

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF012417\
 Data File : BF092454.D
 Acq On : 25 Jan 2017 2:52
 Operator : UM/SJ
 Sample : I1379-06MSD
 Misc :
 ALS Vial : 35 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 WC-COMPOSITMSD

Quant Time: Jan 25 04:49:34 2017
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF012417.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Jan 24 13:48:07 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.97	152	160028	20.00	ng	0.00
21) Naphthalene-d8	8.26	136	652093	20.00	ng	-0.01
38) Acenaphthene-d10	10.03	164	357638	20.00	ng	0.00
63) Phenanthrene-d10	11.52	188	539674	20.00	ng	-0.01
75) Chrysene-d12	14.16	240	343094	20.00	ng	-0.01
86) Perylene-d12	15.63	264	326390	20.00	ng	-0.01

System Monitoring Compounds

5) 2-Fluorophenol	5.58	112	1522923	148.06	ng	0.03
7) Phenol-d6	6.60	99	1806471	137.88	ng	0.01
23) Nitrobenzene-d5	7.54	82	1201056	100.61	ng	0.00
41) 2,4,6-Tribromophenol	10.83	330	362218	148.62	ng	0.01
44) 2-Fluorobiphenyl	9.36	172	2022027	104.55	ng	0.00
78) Terphenyl-d14	13.11	244	1352626	104.98	ng	-0.01

Target Compounds

						Qvalue
2) 1,4-Dioxane	2.81	88	245167	44.82	ng	# 83
3) Pyridine	3.52	79	532181	34.17	ng	# 83
4) n-Nitrosodimethylamine	3.46	42	357228	46.76	ng	80
6) Aniline	6.62	93	169596	8.68	ng	# 49
8) 2-Chlorophenol	6.75	128	530184	49.07	ng	86
9) Benzaldehyde	6.51	77	308504	33.18	ng	86
10) Phenol	6.61	94	709469	44.86	ng	# 65
11) bis(2-Chloroethyl)ether	6.70	93	534956	45.21	ng	89
12) 1,3-Dichlorobenzene	6.91	146	611754	47.88	ng	# 93
13) 1,4-Dichlorobenzene	6.99	146	641830	49.91	ng	97
14) 1,2-Dichlorobenzene	7.14	146	549549	45.05	ng	97
15) Benzyl Alcohol	7.12	79	556118	56.32	ng	95
16) 2,2'-oxybis(1-Chloropropan	7.25	45	1084465	46.34	ng	92
17) 2-Methylphenol	7.22	107	490579	53.14	ng	96
18) Hexachloroethane	7.49	117	215802	48.71	ng	# 87
19) n-Nitroso-di-n-propylamine	7.39	70	410066	45.96	ng	92
20) 3+4-Methylphenols	7.38	107	558535	49.87	ng	94
22) Acetophenone	7.39	105	807176	51.97	ng	# 92
24) Nitrobenzene	7.56	77	689578	55.14	ng	# 88
25) Isophorone	7.80	82	1217123	51.74	ng	98
26) 2-Nitrophenol	7.87	139	288905	55.13	ng	90
27) 2,4-Dimethylphenol	7.92	122	561325	51.50	ng	94
28) bis(2-Chloroethoxy)methane	8.01	93	716701	46.41	ng	99
29) 2,4-Dichlorophenol	8.12	162	494218	52.30	ng	98
30) 1,2,4-Trichlorobenzene	8.20	180	487010	47.68	ng	95
31) Naphthalene	8.28	128	1542104	46.21	ng	99
32) Benzoic acid	8.01	122	169951	23.52	ng	98
33) 4-Chloroaniline	8.33	127	74443	5.27	ng	99
34) Hexachlorobutadiene	8.41	225	275571	49.33	ng	99
35) Caprolactam	8.70	113	91084	28.87	ng	# 33
36) 4-Chloro-3-methylphenol	8.82	107	527410	51.76	ng	95
37) 2-Methylnaphthalene	8.98	142	1025950	48.56	ng	98
39) 1,2,4,5-Tetrachlorobenzene	9.15	216	494130	54.77	ng	99
40) Hexachlorocyclopentadiene	9.14	237	310655	68.76	ng	96

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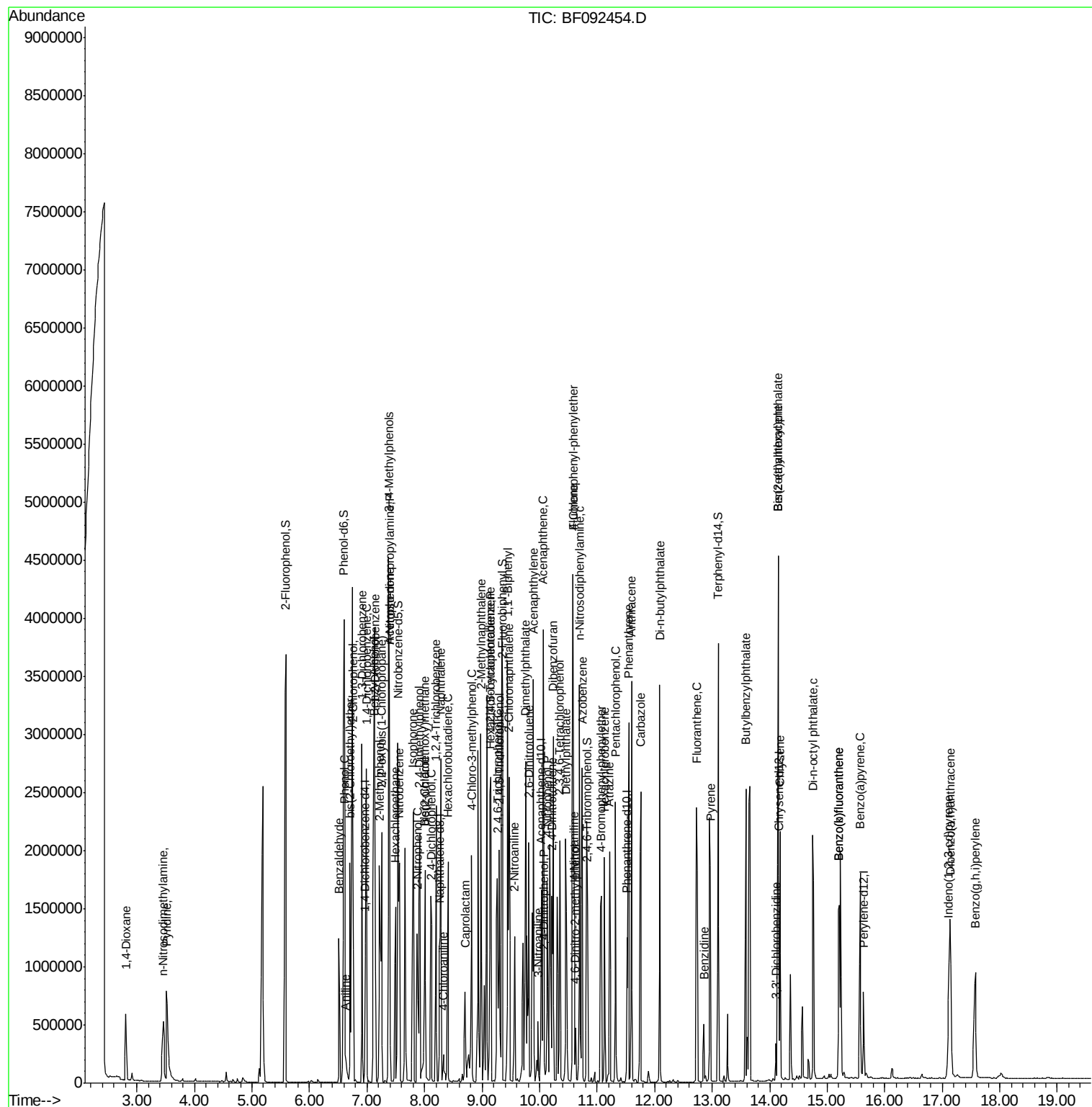
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) 2,4,6-Trichlorophenol	9.26	196	360621	52.17	ng	96
43) 2,4,5-Trichlorophenol	9.30	196	317902	50.27	ng	93
45) 1,1'-Biphenyl	9.45	154	1195945	46.26	ng	96
46) 2-Chloronaphthalene	9.47	162	974689	46.16	ng	94
47) 2-Nitroaniline	9.56	65	345992	48.66	ng	89
48) Acenaphthylene	9.89	152	1535484	49.58	ng	99
49) Dimethylphthalate	9.76	163	1187550	52.22	ng	99
50) 2,6-Dinitrotoluene	9.81	165	266567	57.34	ng	# 90
51) Acenaphthene	10.06	154	882507	45.86	ng	98
52) 3-Nitroaniline	9.97	138	71806	12.33	ng	99
53) 2,4-Dinitrophenol	10.08	184	50305	28.51	ng	# 1
54) Dibenzofuran	10.24	168	1283955	49.13	ng	97
55) 4-Nitrophenol	10.13	139	395212	85.48	ng	94
56) 2,4-Dinitrotoluene	10.21	165	328839	53.29	ng	90
57) Fluorene	10.58	166	891902	46.03	ng	98
58) 2,3,4,6-Tetrachlorophenol	10.35	232	246340	51.99	ng	98
59) Diethylphthalate	10.45	149	1117150	51.23	ng	100
60) 4-Chlorophenyl-phenylether	10.58	204	473060	50.34	ng	# 77
61) 4-Nitroaniline	10.60	138	266934	45.84	ng	91
62) Azobenzene	10.74	77	1357993	54.72	ng	93
64) 4,6-Dinitro-2-methylphenol	10.62	198	61457	23.90	ng	# 76
65) n-Nitrosodiphenylamine	10.69	169	871368	51.70	ng	100
66) 4-Bromophenyl-phenylether	11.07	248	294998	54.14	ng	# 83
67) Hexachlorobenzene	11.13	284	256399	46.55	ng	# 78
68) Atrazine	11.22	200	293472	50.87	ng	98
69) Pentachlorophenol	11.32	266	261378	74.22	ng	98
70) Phenanthrene	11.55	178	1547825	52.08	ng	98
71) Anthracene	11.60	178	1384174	47.66	ng	99
72) Carbazole	11.76	167	1429039	51.53	ng	97
73) Di-n-butylphthalate	12.09	149	1737207	54.78	ng	# 97
74) Fluoranthene	12.73	202	1322260	45.49	ng	97
76) Benzidine	12.85	184	214831	16.87	ng	96
77) Pyrene	12.97	202	1311244	52.75	ng	98
79) Butylbenzylphthalate	13.59	149	671422	66.67	ng	84
80) Benzo(a)anthracene	14.15	228	887401	48.13	ng	100
81) 3,3'-Dichlorobenzidine	14.11	252	75965	10.85	ng	# 95
82) Chrysene	14.18	228	871334	44.25	ng	99
83) Bis(2-ethylhexyl)phthalate	14.15	149	780347	61.52	ng	# 96
84) Di-n-octyl phthalate	14.75	149	1364398	59.26	ng	98
85) Indeno(1,2,3-cd)pyrene	17.12	276	980272	67.28	ng	# 94
87) Benzo(b)fluoranthene	15.21	252	1023490	48.85	ng	# 96
88) Benzo(k)fluoranthene	15.21	252	1023490	58.74	ng	97
89) Benzo(a)pyrene	15.57	252	906672	51.15	ng	97
90) Dibenzo(a,h)anthracene	17.14	278	833297	58.14	ng	96
91) Benzo(g,h,i)perylene	17.57	276	791111	54.58	ng	# 92

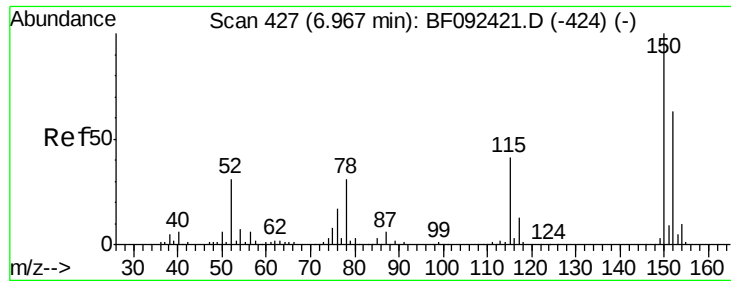
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.97 min Scan# 427

Delta R.T. -0.00 min

Lab File: BF092454.D

Acq: 25 Jan 2017 2:52

Instrument :

BNA_F

ClientSampleId :

WC-COMPOSITMSD

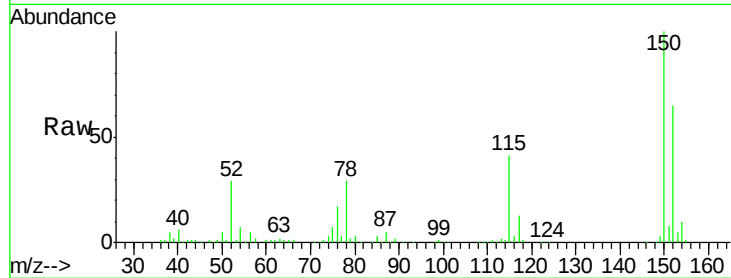
Tgt Ion: 152 Resp: 160028

Ion Ratio Lower Upper

152 100

150 155.0 124.9 187.3

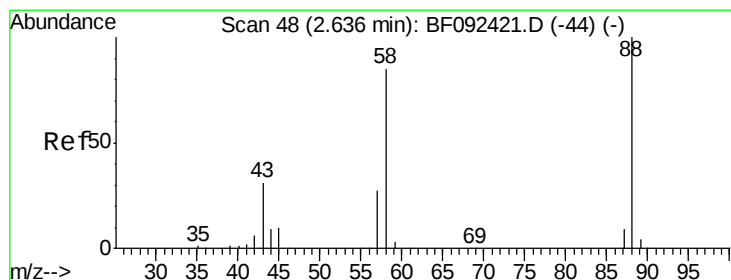
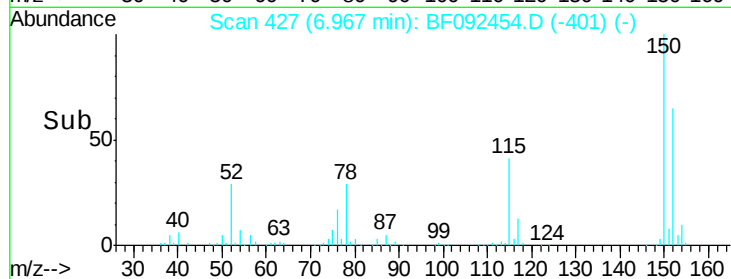
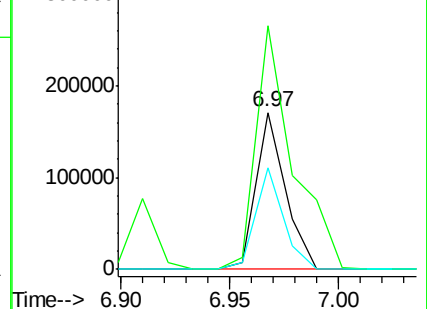
115 64.3 46.0 69.0



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: 44.82 ng

RT: 2.81 min Scan# 63

Delta R.T. 0.17 min

Lab File: BF092454.D

Acq: 25 Jan 2017 2:52

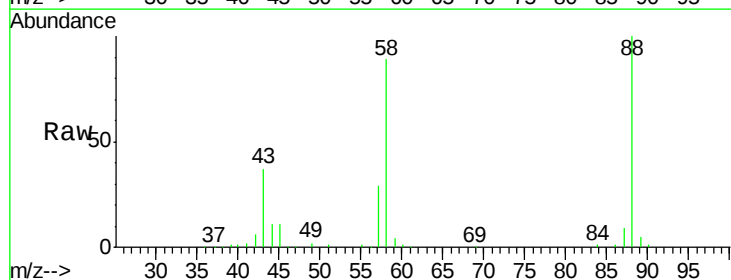
Tgt Ion: 88 Resp: 245167

Ion Ratio Lower Upper

88 100

58 89.0 57.8 86.8#

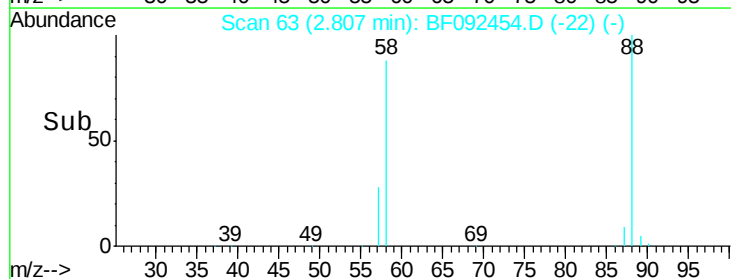
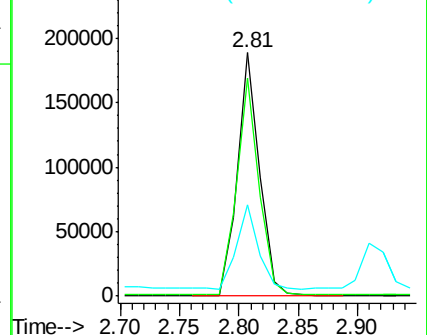
43 33.1 22.3 33.5

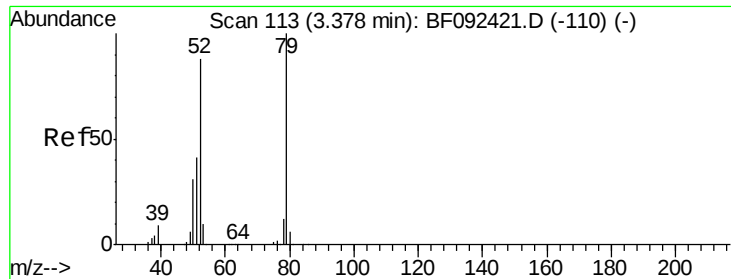


Abundance Ion 88.00 (87.70 to 88.70): BF0

Ion 58.00 (57.70 to 58.70): BF0

Ion 43.00 (42.70 to 43.70): BF0





#3

Pyridine

Concen: 34.17 ng

RT: 3.52 min Scan# 125

Delta R.T. 0.14 min

Lab File: BF092454.D

Acq: 25 Jan 2017 2:52

Instrument :

BNA_F

ClientSampleId :

WC-COMPOSITEMSD

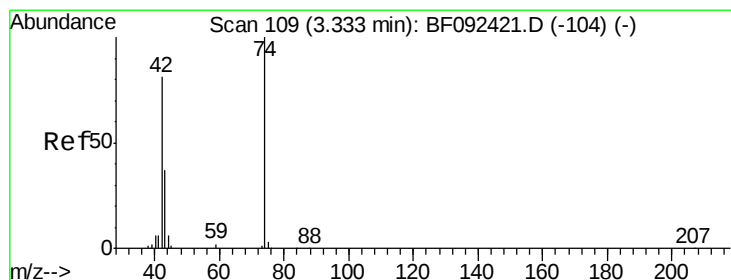
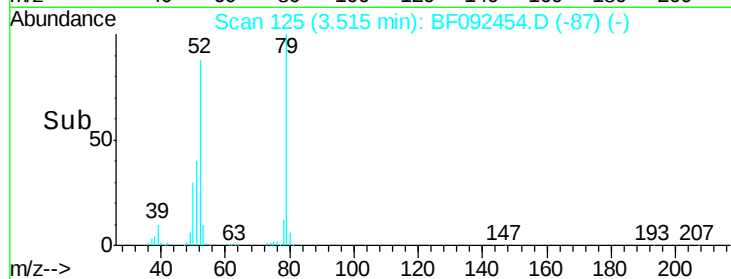
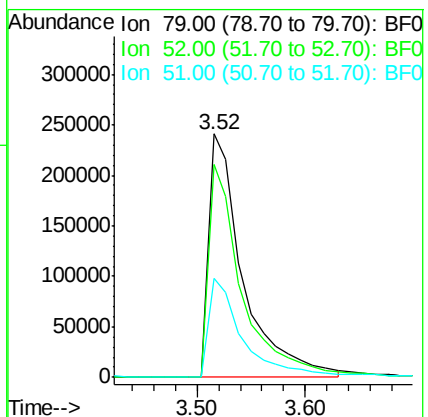
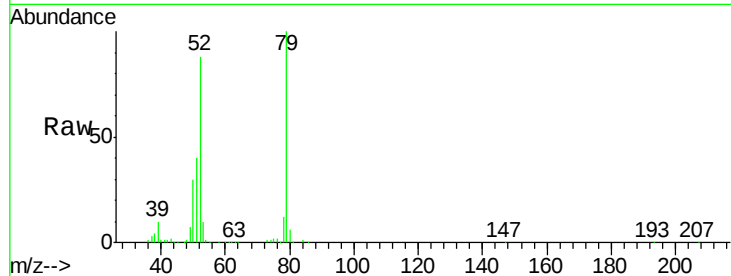
Tgt Ion: 79 Resp: 532181

Ion Ratio Lower Upper

79 100

52 87.5 57.1 85.7#

51 40.4 27.3 40.9



#4

n-Nitrosodimethylamine

Concen: 46.76 ng

RT: 3.46 min Scan# 120

Delta R.T. 0.13 min

Lab File: BF092454.D

Acq: 25 Jan 2017 2:52

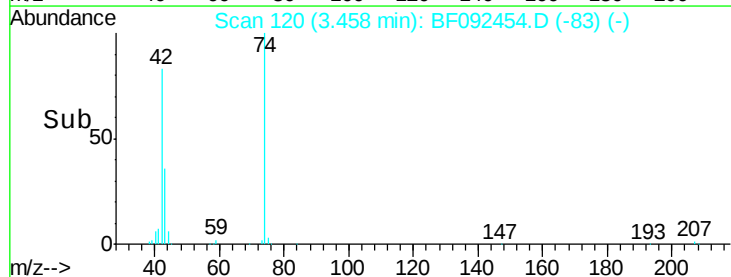
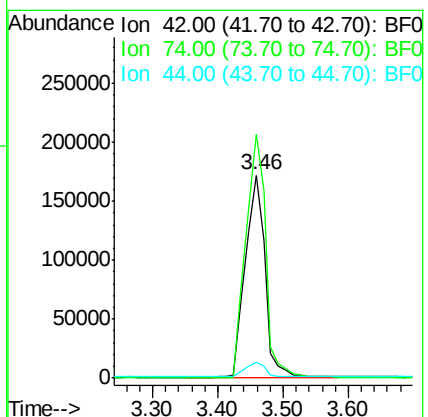
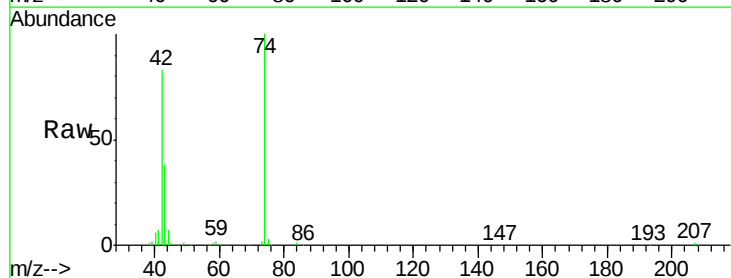
Tgt Ion: 42 Resp: 357228

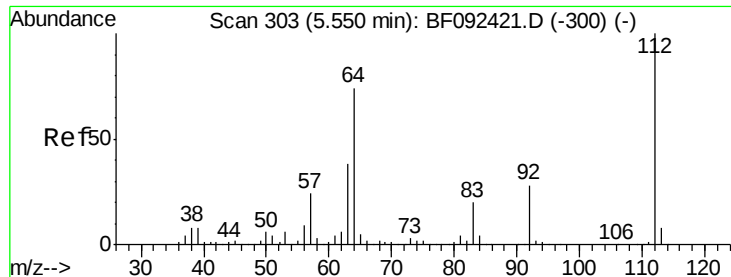
Ion Ratio Lower Upper

42 100

74 120.1 117.0 175.4

44 7.9 5.5 8.3





#5

2-Fluorophenol

Concen: 148.06 ng

RT: 5.58 min Scan# 306

Delta R.T. 0.03 min

Lab File: BF092454.D

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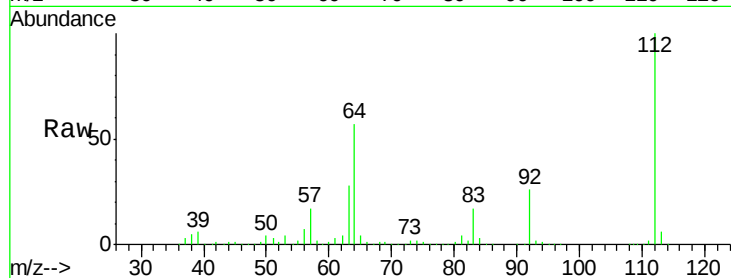
Tgt Ion: 112 Resp: 1522923

Ion Ratio Lower Upper

112 100

64 56.9 46.1 69.1

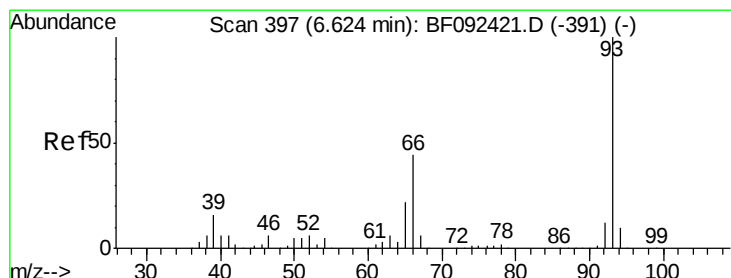
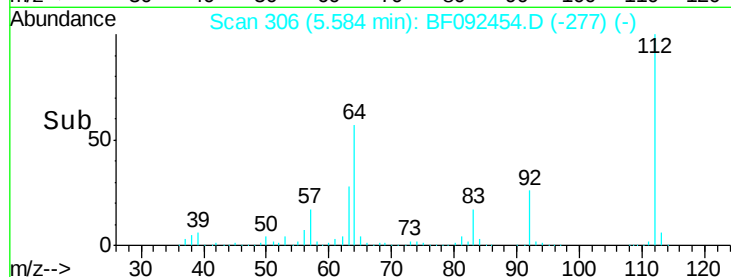
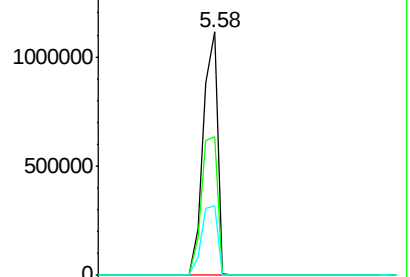
63 28.5 23.8 35.6



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: 8.68 ng

RT: 6.62 min Scan# 397

Delta R.T. -0.00 min

Lab File: BF092454.D

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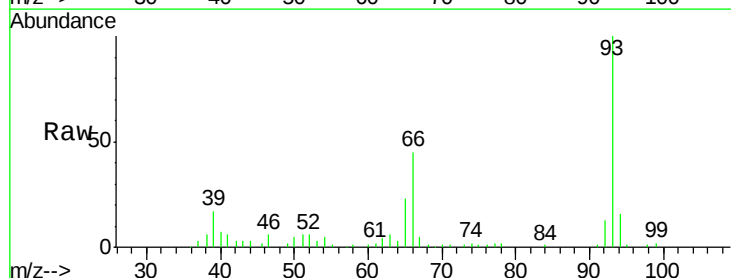
Tgt Ion: 93 Resp: 169596

Ion Ratio Lower Upper

93 100

66 45.0 76.2 114.2#

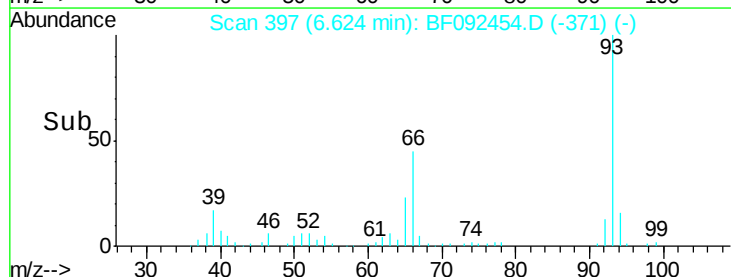
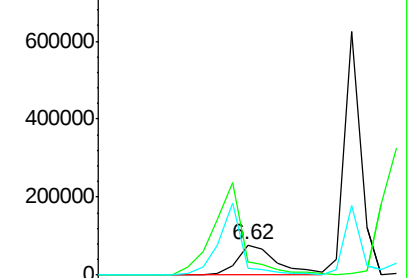
65 23.0 49.3 73.9#

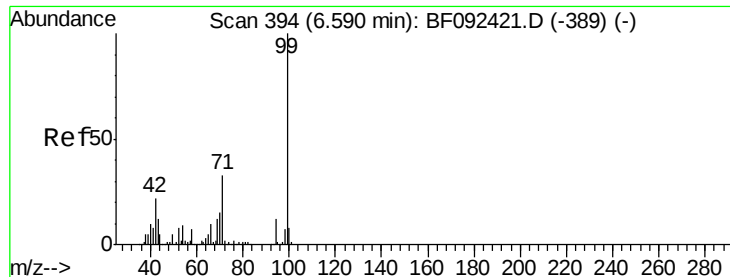


Abundance Ion 93.00 (92.70 to 93.70): BF0

Ion 66.00 (65.70 to 66.70): BF0

Ion 65.00 (64.70 to 65.70): BF0





#7

Phenol-d6

Concen: 137.88 ng

RT: 6.60 min Scan# 395

Delta R.T. 0.01 min

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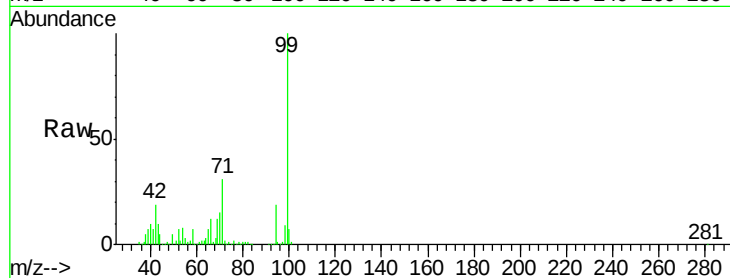
Tgt Ion: 99 Resp: 1806471

Ion Ratio Lower Upper

99 100

42 19.2 15.6 23.4

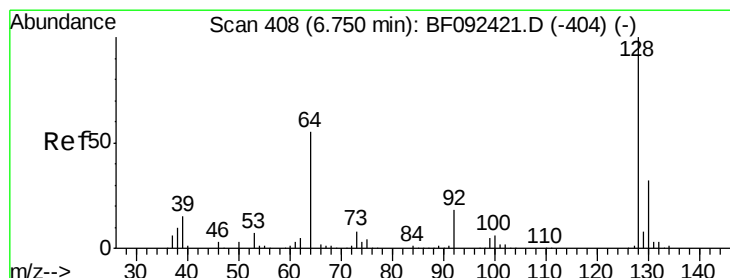
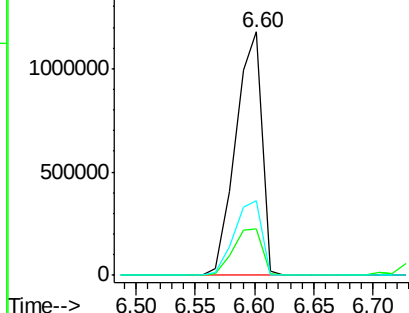
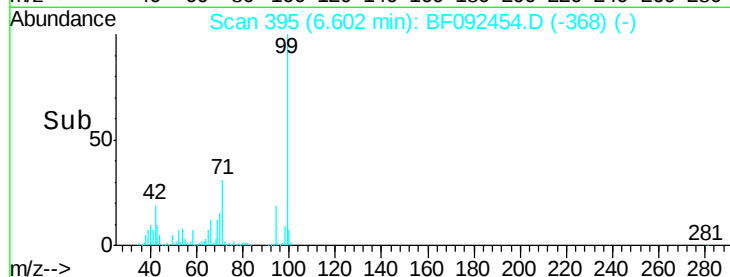
71 30.9 27.5 41.3



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: 49.07 ng

RT: 6.75 min Scan# 408

Delta R.T. -0.00 min

Lab File: BF092454.D

Acq: 25 Jan 2017 2:52

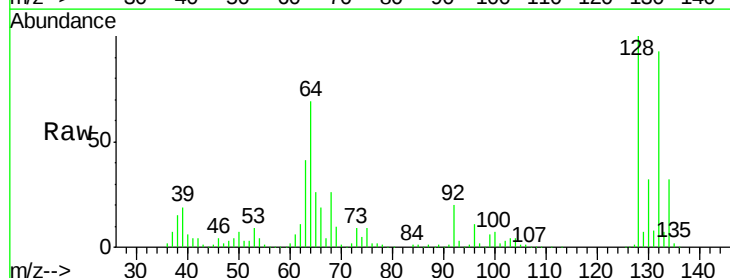
Tgt Ion: 128 Resp: 530184

Ion Ratio Lower Upper

128 100

130 32.2 12.3 52.3

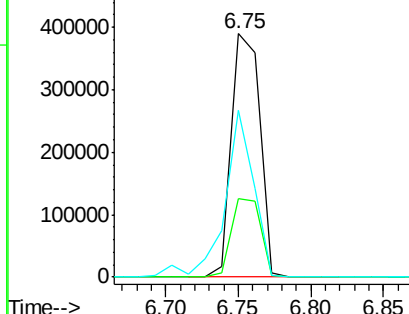
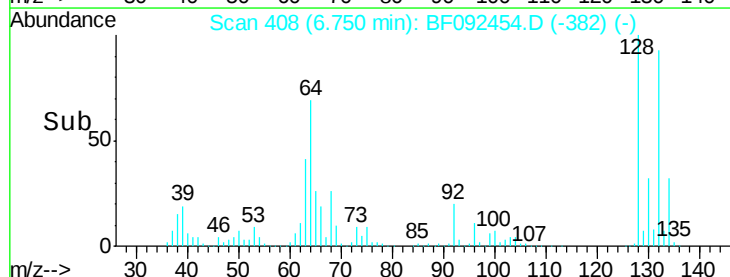
64 68.6 32.2 72.2

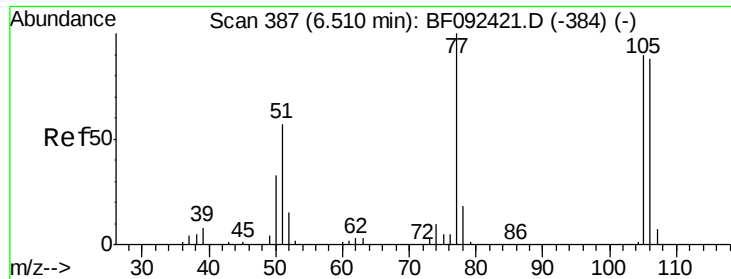


Abundance Ion 128.00 (127.70 to 128.70): E

Ion 130.00 (129.70 to 130.70): E

Ion 64.00 (63.70 to 64.70): BF0





#9

Benzaldehyde

Concen: 33.18 ng

RT: 6.51 min Scan# 387

Delta R.T. -0.00 min

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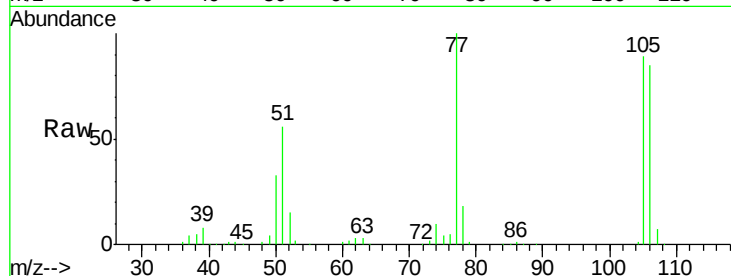
Tgt Ion: 77 Resp: 308504

Ion Ratio Lower Upper

77 100

105 89.0 83.9 123.9

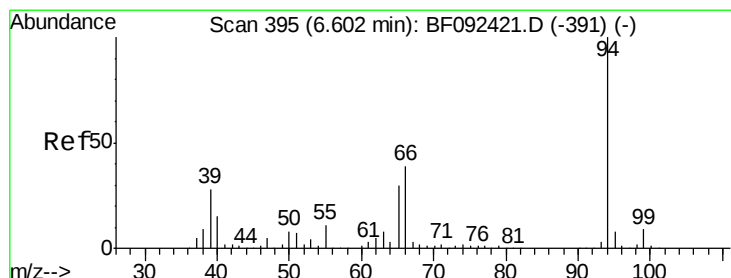
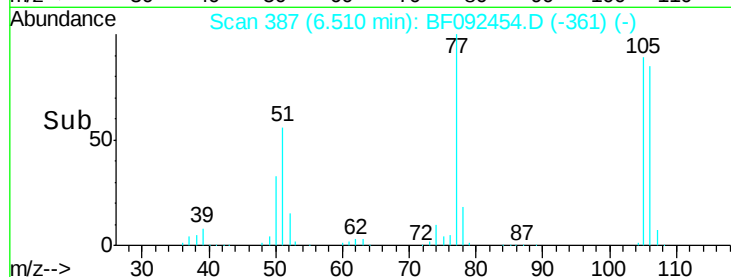
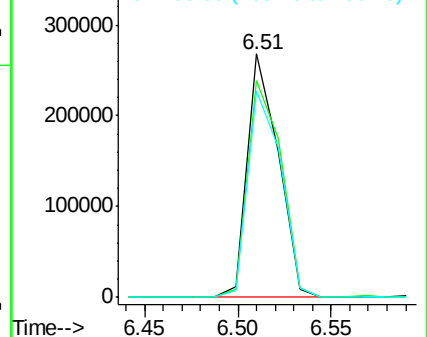
106 84.9 77.6 117.6



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: 44.86 ng

RT: 6.61 min Scan# 396

Delta R.T. 0.01 min

Lab File: BF092454.D

Acq: 25 Jan 2017 2:52

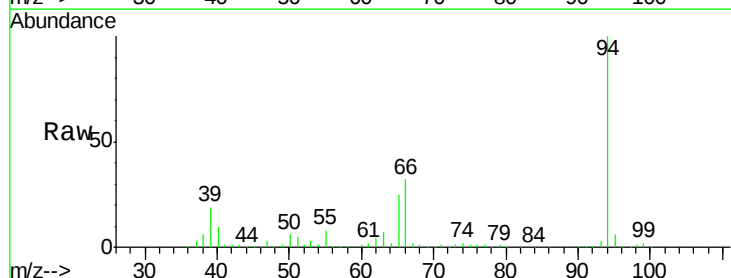
Tgt Ion: 94 Resp: 709469

Ion Ratio Lower Upper

94 100

65 24.8 21.4 61.4

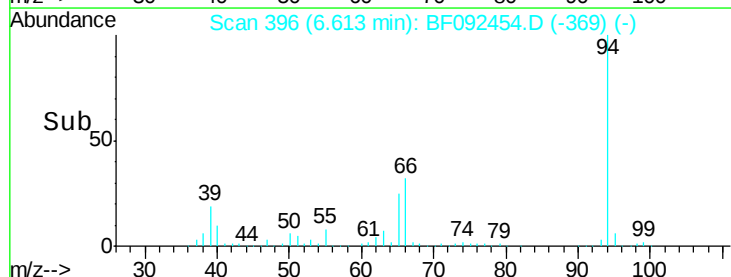
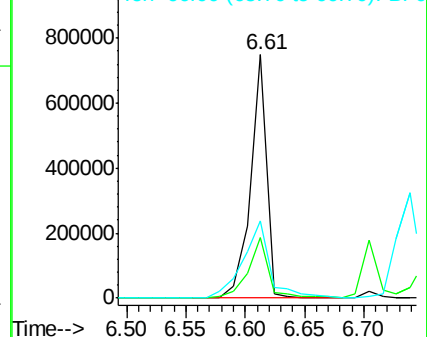
66 31.8 44.0 84.0#

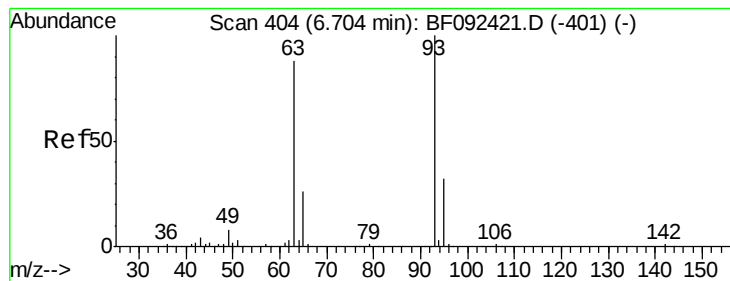


Abundance Ion 94.00 (93.70 to 94.70): BF0

Ion 65.00 (64.70 to 65.70): BF0

Ion 66.00 (65.70 to 66.70): BF0





#11

bis(2-Chloroethyl)ether

Concen: 45.21 ng

RT: 6.70 min Scan# 404

Delta R.T. -0.00 min

Lab File: BF092454.D

Acq: 25 Jan 2017 2:52

Instrument :

BNA_F

ClientSampleId :

WC-COMPOSITMSD

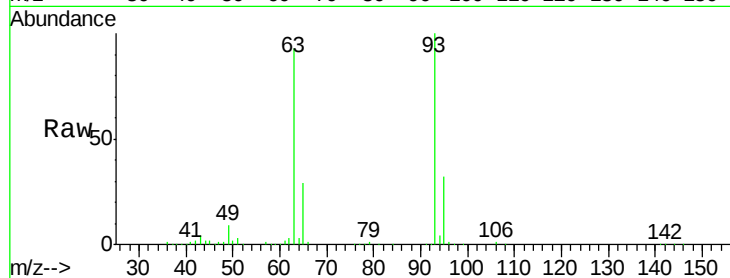
Tgt Ion: 93 Resp: 534956

Ion Ratio Lower Upper

93 100

63 93.4 60.4 100.4

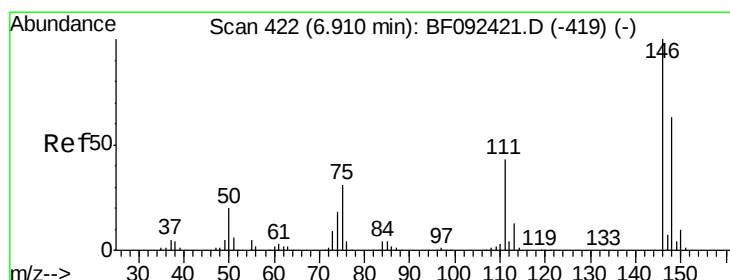
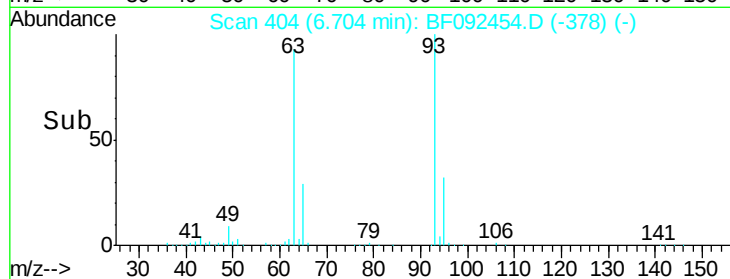
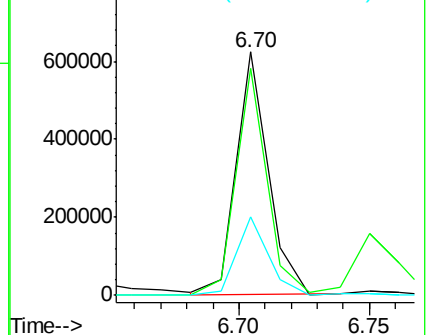
95 32.3 12.8 52.8



Abundance Ion 93.00 (92.70 to 93.70): BF0

Ion 63.00 (62.70 to 63.70): BF0

Ion 95.00 (94.70 to 95.70): BF0



#12

1,3-Dichlorobenzene

Concen: 47.88 ng

RT: 6.91 min Scan# 422

Delta R.T. -0.00 min

Lab File: BF092454.D

Acq: 25 Jan 2017 2:52

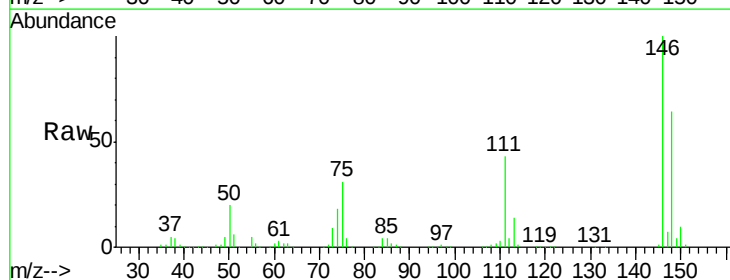
Tgt Ion: 146 Resp: 611754

Ion Ratio Lower Upper

146 100

148 63.8 53.4 80.0

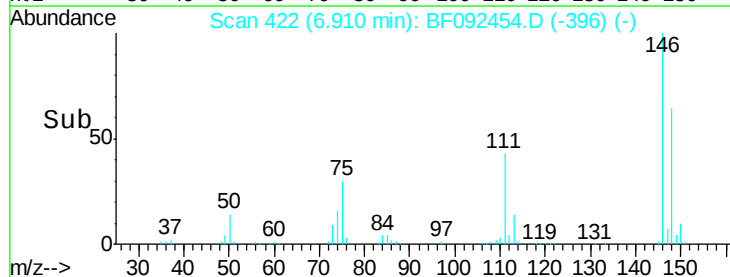
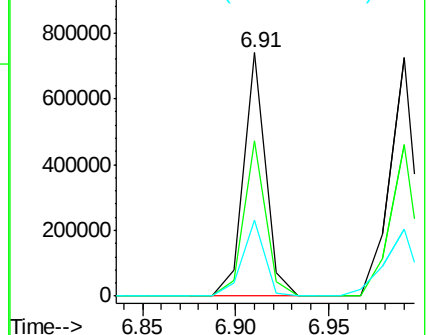
75 31.0 18.5 27.7#

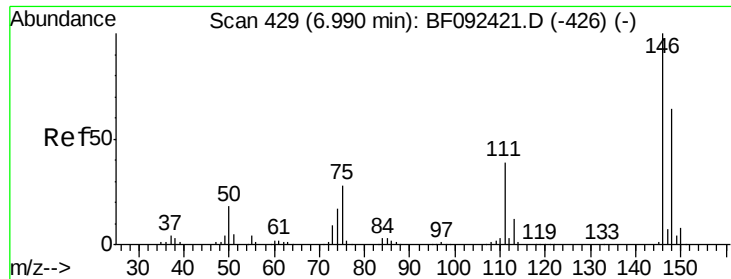


Abundance Ion 146.00 (145.70 to 146.70): E

Ion 148.00 (147.70 to 148.70): E

Ion 75.00 (74.70 to 75.70): BF0

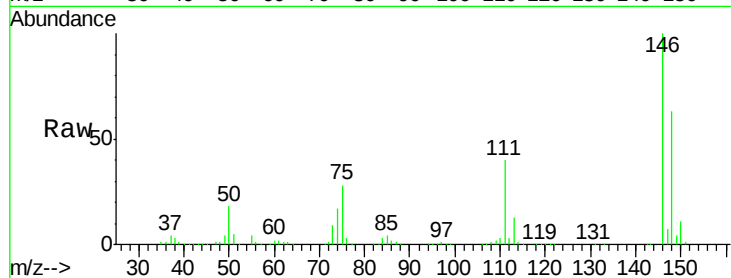




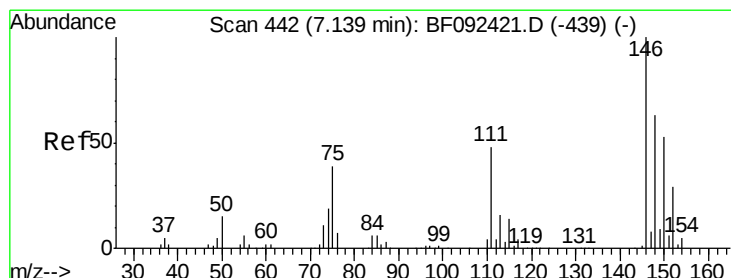
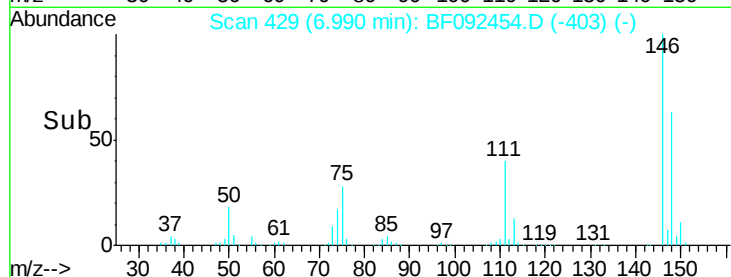
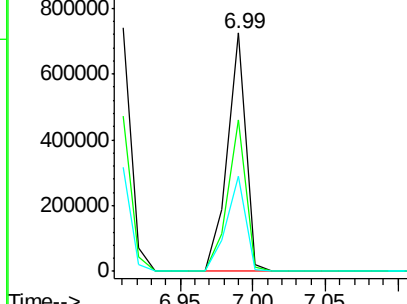
#13
 1,4-Dichlorobenzene
 Concen: 49.91 ng
 RT: 6.99 min Scan# 429
 Delta R.T. -0.00 min
 Lab File: BF092454.D
 Acq: 25 Jan 2017 2:52

Instrument :
 BNA_F
 ClientSampleId :
 WC-COMPOSITMSD

Tgt Ion:146 Resp: 641830
 Ion Ratio Lower Upper
 146 100
 148 63.5 50.6 76.0
 111 40.1 36.2 54.4

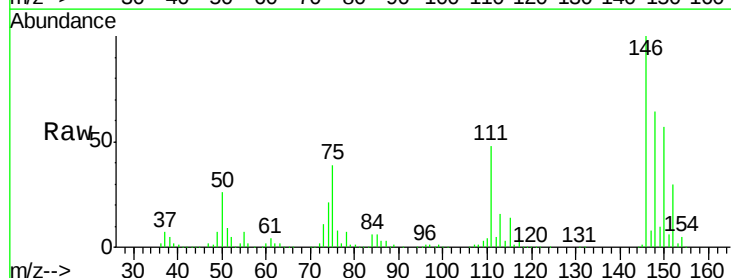


Abundance Ion 146.00 (145.70 to 146.70): E
 Ion 148.00 (147.70 to 148.70): E
 Ion 111.00 (110.70 to 111.70): E



#14
 1,2-Dichlorobenzene
 Concen: 45.05 ng
 RT: 7.14 min Scan# 442
 Delta R.T. -0.00 min
 Lab File: BF092454.D
 Acq: 25 Jan 2017 2:52

Tgt Ion:146 Resp: 549549
 Ion Ratio Lower Upper
 146 100
 148 63.9 52.2 78.2
 111 47.8 36.2 54.2



Abundance Ion 146.00 (145.70 to 146.70): E
 Ion 148.00 (147.70 to 148.70): E
 Ion 111.00 (110.70 to 111.70): E

