

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF010317\
 Data File : BF092063.D
 Acq On : 3 Jan 2017 16:24
 Operator : UM/SJ
 Sample : PB95723BS
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 PB95719BS

Quant Time: Jan 04 00:07:22 2017
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF122116.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Dec 28 17:32:10 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.68	152	213318	20.00	ng	-0.03
21) Naphthalene-d8	7.96	136	985230	20.00	ng	-0.04
38) Acenaphthene-d10	9.72	164	538251	20.00	ng	-0.04
63) Phenanthrene-d10	11.19	188	837110	20.00	ng	-0.04
75) Chrysene-d12	13.83	240	343590	20.00	ng	-0.04
86) Perylene-d12	15.20	264	266410	20.00	ng	-0.05

System Monitoring Compounds						
5) 2-Fluorophenol	5.28	112	1611431	126.13	ng	-0.04
7) Phenol-d6	6.34	99	2272215	145.68	ng	-0.04
23) Nitrobenzene-d5	7.25	82	1456644	82.21	ng	-0.04
41) 2,4,6-Tribromophenol	10.50	330	537297	120.62	ng	-0.04
44) 2-Fluorobiphenyl	9.04	172	2294050	87.74	ng	-0.04
78) Terphenyl-d14	12.78	244	1293074	91.27	ng	-0.04

Target Compounds					Qvalue
2) 1,4-Dioxane	2.20	88	232714	37.00 ng	98
3) Pyridine	2.85	79	608864	27.74 ng	96
4) n-Nitrosodimethylamine	2.81	42	328460	39.67 ng	99
6) Aniline	6.33	93	546812	26.99 ng	# 65
8) 2-Chlorophenol	6.46	128	576129	39.64 ng	94
9) Benzaldehyde	6.22	77	54481	4.48 ng	95
10) Phenol	6.36	94	898407	50.55 ng	# 66
11) bis(2-Chloroethyl)ether	6.41	93	707123	50.00 ng	96
12) 1,3-Dichlorobenzene	6.85	146	598275	38.56 ng	97
13) 1,4-Dichlorobenzene	6.69	146	663410	42.01 ng	98
14) 1,2-Dichlorobenzene	6.85	146	598202	43.66 ng	94
15) Benzyl Alcohol	6.82	79	522173	43.09 ng	98
16) 2,2'-oxybis(1-Chloropropan	6.96	45	908135	43.12 ng	64
17) 2-Methylphenol	6.95	107	552610	47.28 ng	95
18) Hexachloroethane	7.18	117	262447	44.83 ng	# 88
19) n-Nitroso-di-n-propylamine	7.10	70	475814	45.85 ng	99
20) 3+4-Methylphenols	7.11	107	740521	53.12 ng	# 73
22) Acetophenone	7.09	105	984787	40.52 ng	94
24) Nitrobenzene	7.26	77	674069	35.72 ng	99
25) Isophorone	7.51	82	1489395	45.56 ng	100
26) 2-Nitrophenol	7.58	139	391057	42.02 ng	99
27) 2,4-Dimethylphenol	7.64	122	696805	45.14 ng	97
28) bis(2-Chloroethoxy)methane	7.72	93	922641	46.54 ng	99
29) 2,4-Dichlorophenol	7.83	162	611379	46.78 ng	92
30) 1,2,4-Trichlorobenzene	7.90	180	599483	41.86 ng	94
31) Naphthalene	7.98	128	1897361	42.08 ng	100
32) Benzoic acid	7.78	122	517516	45.20 ng	97
33) 4-Chloroaniline	8.04	127	305670	15.03 ng	97
34) Hexachlorobutadiene	8.10	225	337723	44.67 ng	98
35) Caprolactam	8.42	113	134107	31.22 ng	# 60
36) 4-Chloro-3-methylphenol	8.55	107	717195	47.69 ng	91
37) 2-Methylnaphthalene	8.68	142	1397201	56.09 ng	98
39) 1,2,4,5-Tetrachlorobenzene	8.85	216	548671	40.35 ng	98
40) Hexachlorocyclopentadiene	8.82	237	552610	90.68 ng	95

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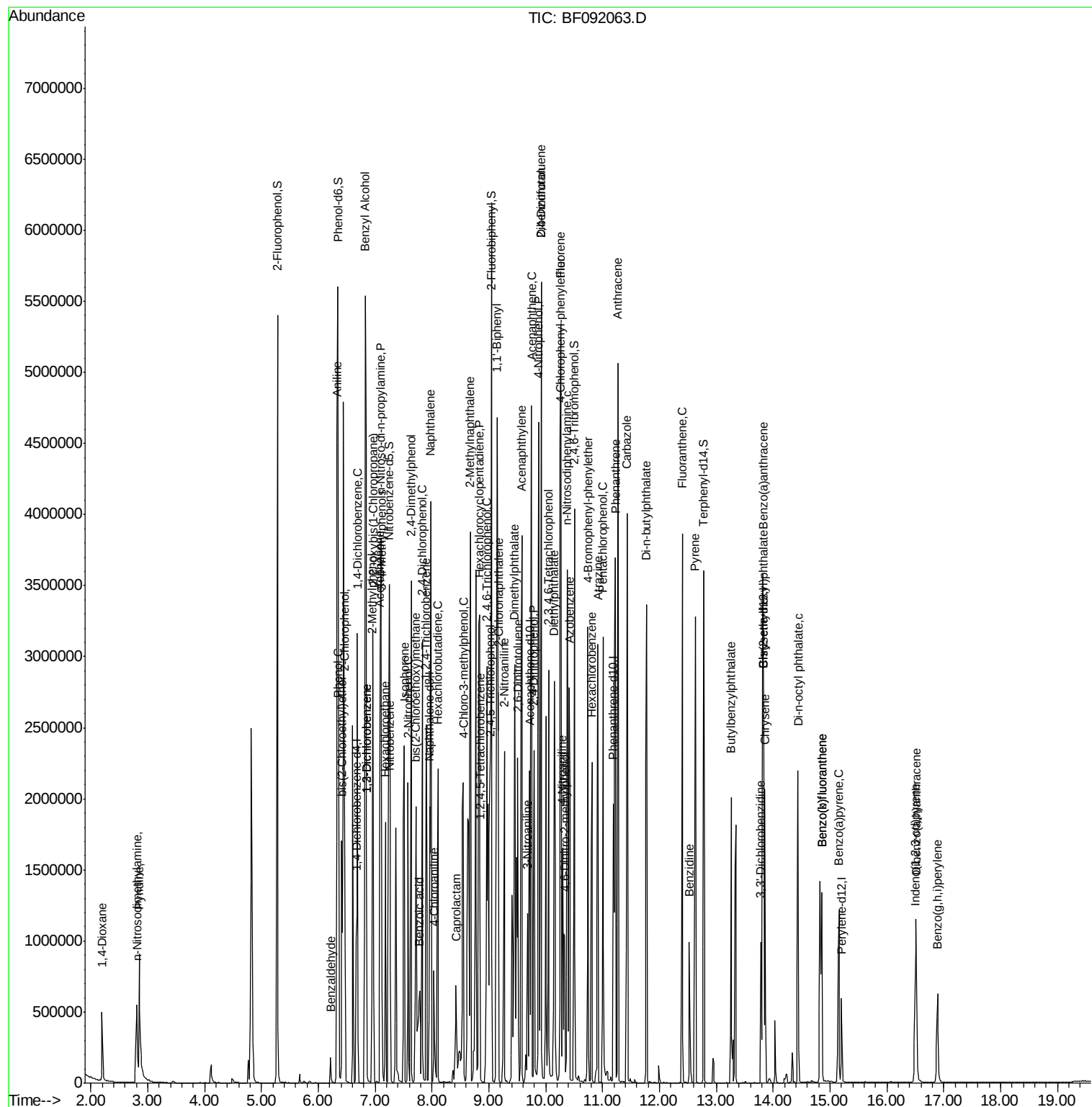
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) 2,4,6-Trichlorophenol	8.96	196	394756	41.51	ng	99
43) 2,4,5-Trichlorophenol	9.02	196	406370	41.52	ng #	82
45) 1,1'-Biphenyl	9.14	154	1706173	46.29	ng	100
46) 2-Chloronaphthalene	9.17	162	1276447	43.73	ng	98
47) 2-Nitroaniline	9.27	65	460127	44.28	ng #	84
48) Acenaphthylene	9.58	152	1958063	43.62	ng	99
49) Dimethylphthalate	9.45	163	1406276	40.85	ng	98
50) 2,6-Dinitrotoluene	9.51	165	298265	39.58	ng #	67
51) Acenaphthene	9.75	154	1252642	41.16	ng	99
52) 3-Nitroaniline	9.68	138	203618	21.84	ng	89
53) 2,4-Dinitrophenol	9.80	184	355231	84.73	ng #	77
54) Dibenzofuran	9.92	168	1561094	37.99	ng	100
55) 4-Nitrophenol	9.88	139	496087	78.35	ng	98
56) 2,4-Dinitrotoluene	9.92	165	430693	45.54	ng	92
57) Fluorene	10.26	166	1344881	44.98	ng	100
58) 2,3,4,6-Tetrachlorophenol	10.05	232	353036	45.61	ng	100
59) Diethylphthalate	10.15	149	1369061	40.95	ng	99
60) 4-Chlorophenyl-phenylether	10.25	204	545158	41.64	ng	98
61) 4-Nitroaniline	10.30	138	335035	34.67	ng	97
62) Azobenzene	10.41	77	1624135	44.12	ng	99
64) 4,6-Dinitro-2-methylphenol	10.33	198	251301	49.65	ng	97
65) n-Nitrosodiphenylamine	10.38	169	1127555	45.39	ng	100
66) 4-Bromophenyl-phenylether	10.74	248	378891	43.51	ng	97
67) Hexachlorobenzene	10.81	284	425009	45.66	ng #	92
68) Atrazine	10.92	200	343158	42.83	ng	98
69) Pentachlorophenol	11.01	266	395950	86.70	ng	99
70) Phenanthrene	11.22	178	2030090	44.72	ng	99
71) Anthracene	11.27	178	1866049	47.13	ng	100
72) Carbazole	11.43	167	1653021	43.63	ng	99
73) Di-n-butylphthalate	11.77	149	2275144	53.69	ng #	97
74) Fluoranthene	12.40	202	1549954	38.36	ng	98
76) Benzidine	12.53	184	445579	53.06	ng	97
77) Pyrene	12.63	202	1391584	55.20	ng	99
79) Butylbenzylphthalate	13.26	149	458591	40.00	ng	99
80) Benzo(a)anthracene	13.82	228	922821	47.58	ng	99
81) 3,3'-Dichlorobenzidine	13.79	252	191693	26.06	ng	98
82) Chrysene	13.85	228	685498	35.24	ng	99
83) Bis(2-ethylhexyl)phthalate	13.83	149	647298	47.94	ng #	95
84) Di-n-octyl phthalate	14.44	149	1114845	44.57	ng	98
85) Indeno(1,2,3-cd)pyrene	16.51	276	659838	39.15	ng #	94
87) Benzo(b)fluoranthene	14.86	252	1527048	92.07	ng #	92
88) Benzo(k)fluoranthene	14.86	252	1527048	107.97	ng #	93
89) Benzo(a)pyrene	15.16	252	710933	48.29	ng #	94
90) Dibenzo(a,h)anthracene	16.52	278	538110	44.47	ng	97
91) Benzo(g,h,i)perylene	16.89	276	538013	42.76	ng	97

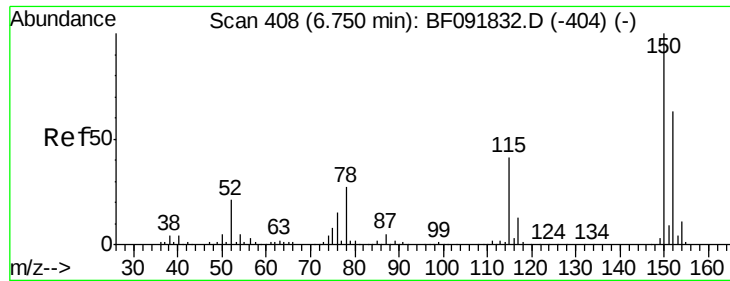
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.68 min Scan# 419

Delta R.T. -0.03 min

Lab File: BF092063.D

Acq: 3 Jan 2017 16:24

Instrument :

BNA_F

ClientSampleId :

PB95719BS

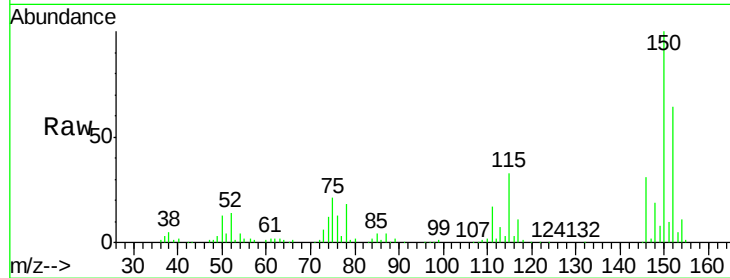
Tgt Ion:152 Resp: 213318

Ion Ratio Lower Upper

152 100

150 157.0 124.9 187.3

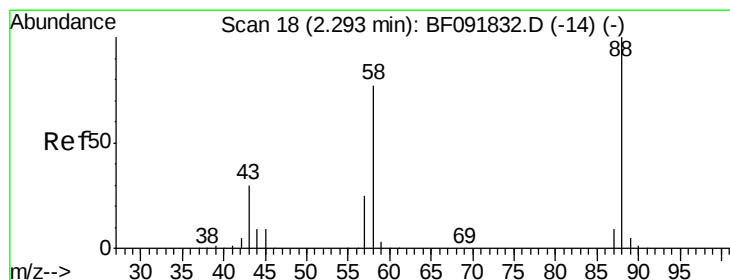
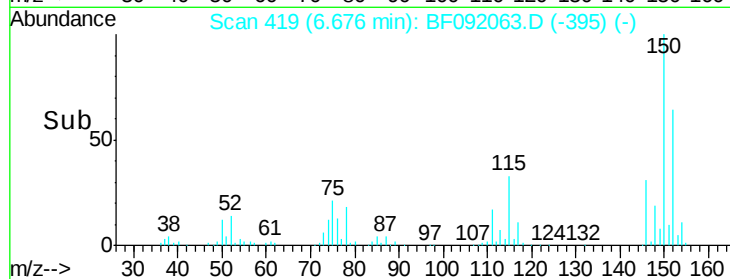
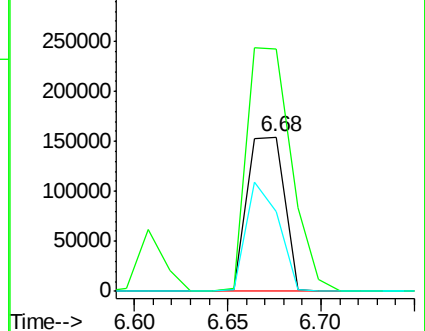
115 51.4 46.0 69.0



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: 37.00 ng

RT: 2.20 min Scan# 27

Delta R.T. 0.01 min

Lab File: BF092063.D

Acq: 3 Jan 2017 16:24

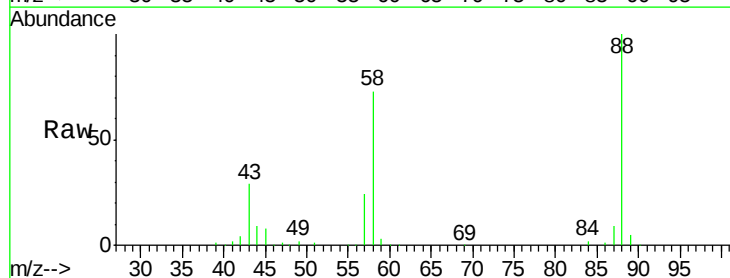
Tgt Ion: 88 Resp: 232714

Ion Ratio Lower Upper

88 100

58 72.8 57.8 86.8

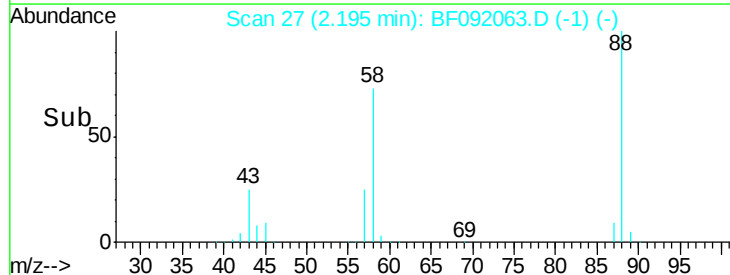
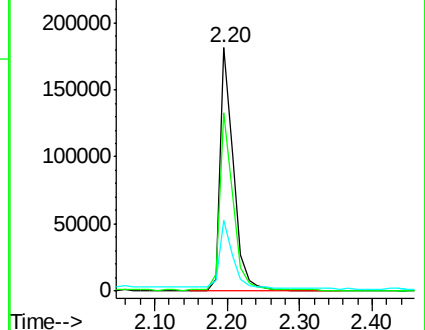
43 30.8 22.3 33.5

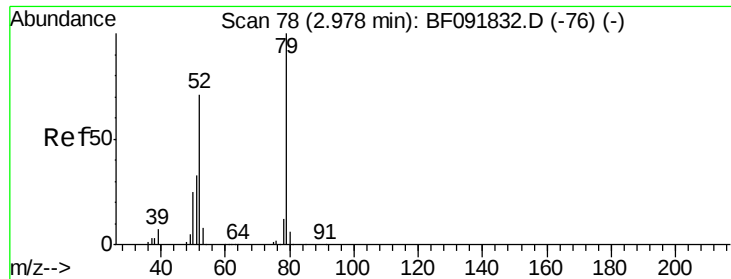


Abundance Ion 88.00 (87.70 to 88.70): BF0

Ion 58.00 (57.70 to 58.70): BF0

Ion 43.00 (42.70 to 43.70): BF0





#3

Pyridine

Concen: 27.74 ng

RT: 2.85 min Scan# 84

Delta R.T. -0.02 min

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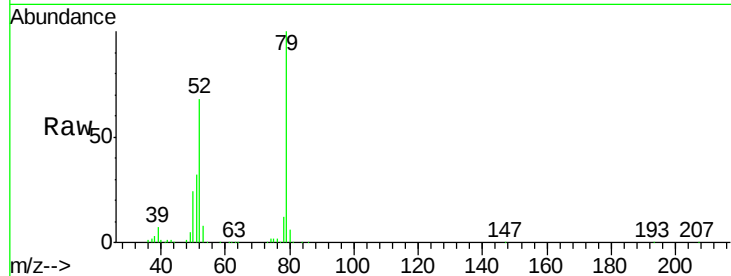
Tgt Ion: 79 Resp: 608864

Ion Ratio Lower Upper

79 100

52 68.1 57.1 85.7

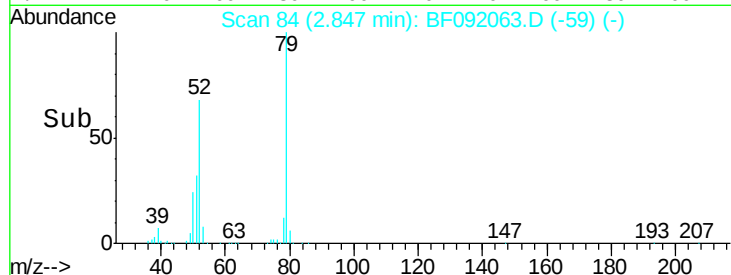
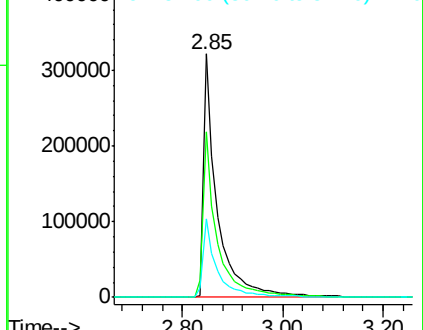
51 32.4 27.3 40.9



Abundance Ion 79.00 (78.70 to 79.70): BF0

Ion 52.00 (51.70 to 52.70): BF0

Ion 51.00 (50.70 to 51.70): BF0



#4

n-Nitrosodimethylamine

Concen: 39.67 ng

RT: 2.81 min Scan# 81

Delta R.T. -0.02 min

Lab File: BF092063.D

Acq: 3 Jan 2017 16:24

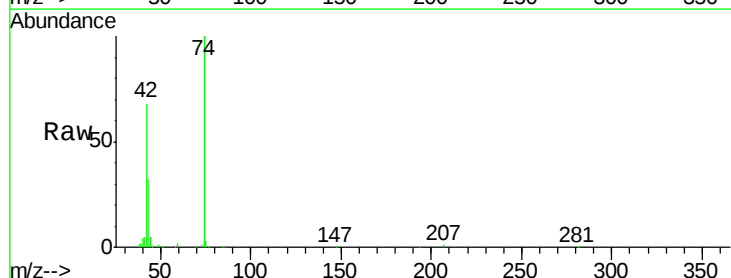
Tgt Ion: 42 Resp: 328460

Ion Ratio Lower Upper

42 100

74 147.0 117.0 175.4

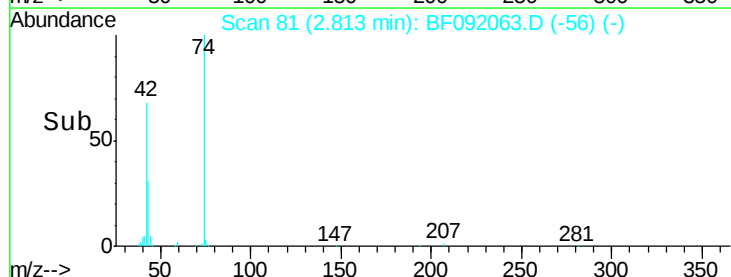
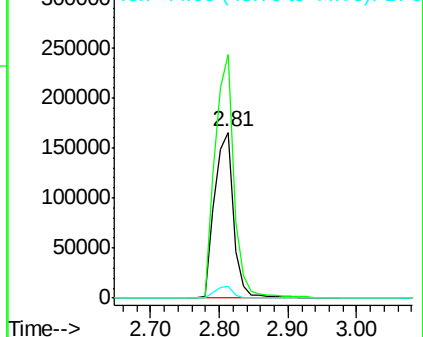
44 6.9 5.5 8.3

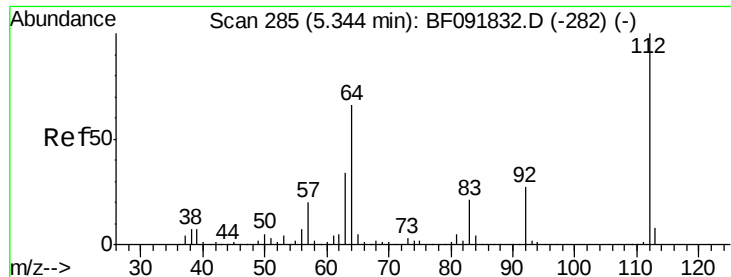


Abundance Ion 42.00 (41.70 to 42.70): BF0

Ion 74.00 (73.70 to 74.70): BF0

Ion 44.00 (43.70 to 44.70): BF0





#5

2-Fluorophenol

Concen: 126.13 ng

RT: 5.28 min Scan# 297

Delta R.T. -0.04 min

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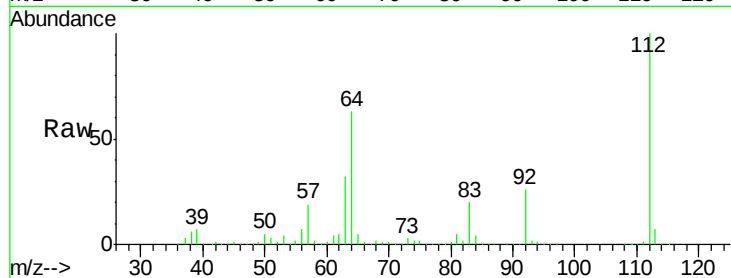
Tgt Ion: 112 Resp: 1611431

Ion Ratio Lower Upper

112 100

64 63.1 46.1 69.1

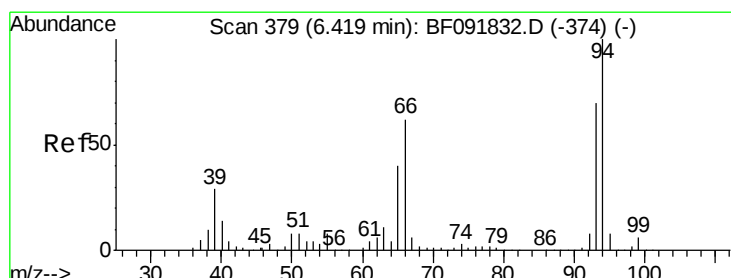
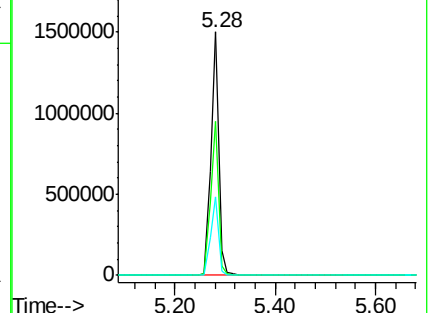
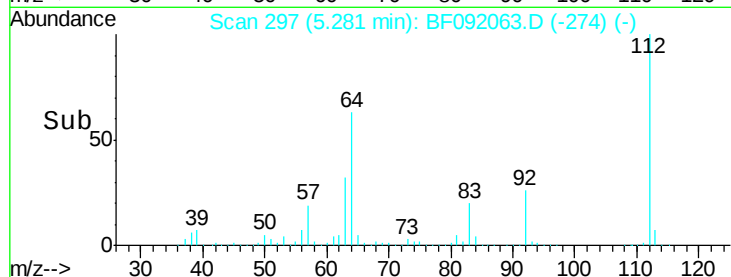
63 32.5 23.8 35.6



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: 26.99 ng

RT: 6.33 min Scan# 389

Delta R.T. -0.04 min

Lab File: BF092063.D

Acq: 3 Jan 2017 16:24

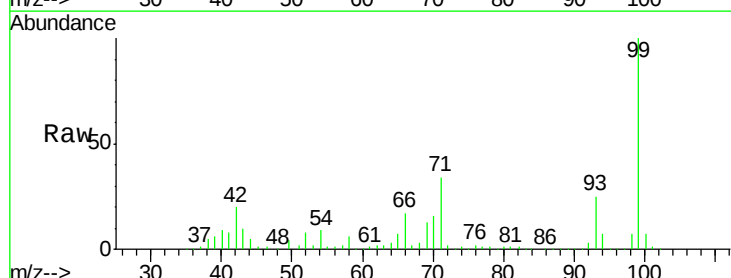
Tgt Ion: 93 Resp: 546812

Ion Ratio Lower Upper

93 100

66 66.3 76.2 114.2#

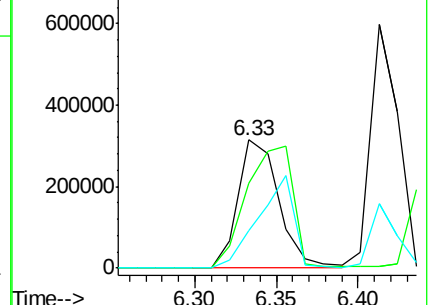
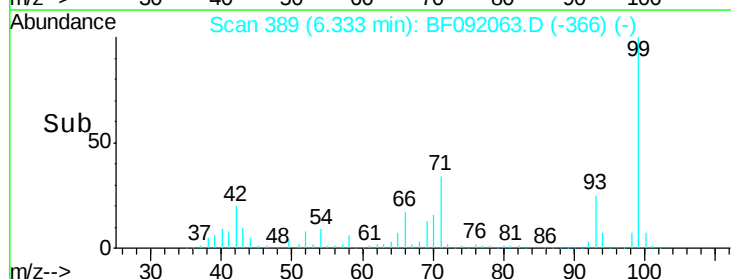
65 29.5 49.3 73.9#

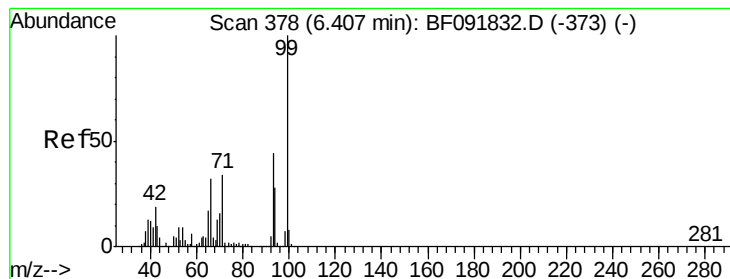


Abundance Ion 93.00 (92.70 to 93.70): BF0

Ion 66.00 (65.70 to 66.70): BF0

Ion 65.00 (64.70 to 65.70): BF0





#7

Phenol-d6

Concen: 145.68 ng

RT: 6.34 min Scan# 390

Delta R.T. -0.04 min

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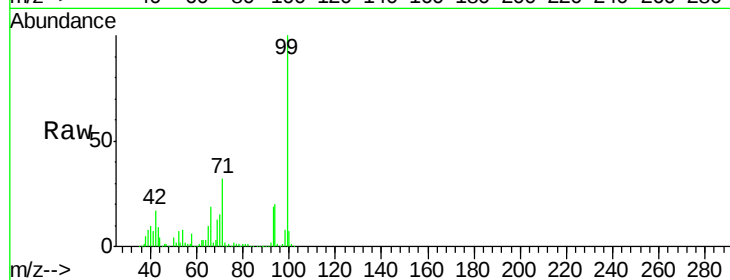
Tgt Ion: 99 Resp: 2272215

Ion Ratio Lower Upper

99 100

42 17.5 15.6 23.4

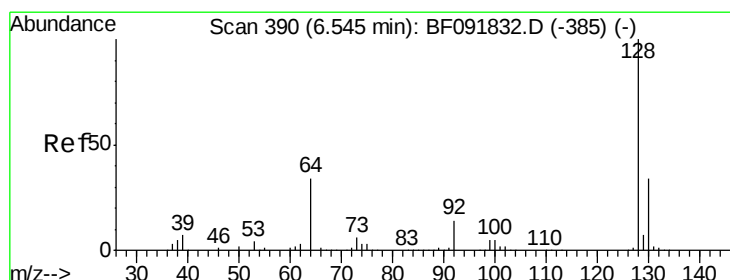
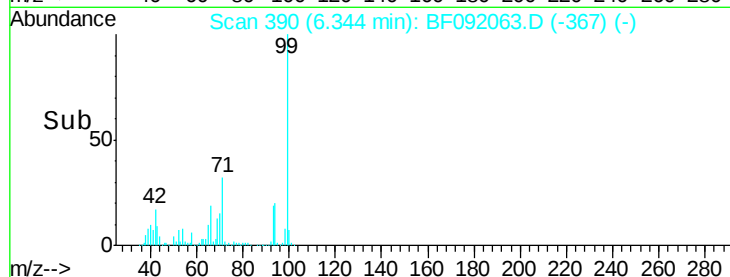
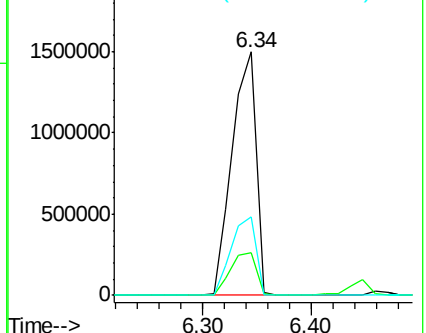
71 32.2 27.5 41.3



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: 39.64 ng

RT: 6.46 min Scan# 400

Delta R.T. -0.04 min

Lab File: BF092063.D

Acq: 3 Jan 2017 16:24

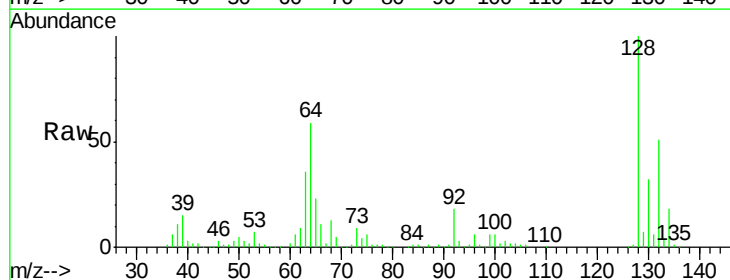
Tgt Ion: 128 Resp: 576129

Ion Ratio Lower Upper

128 100

130 32.1 12.3 52.3

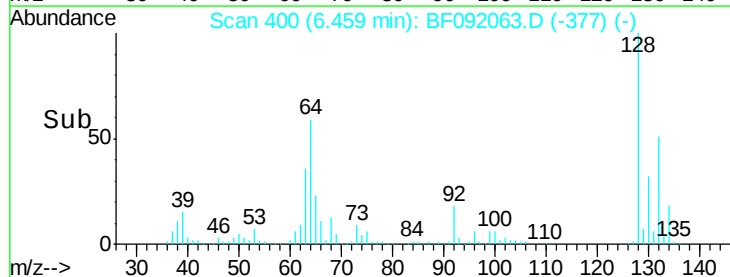
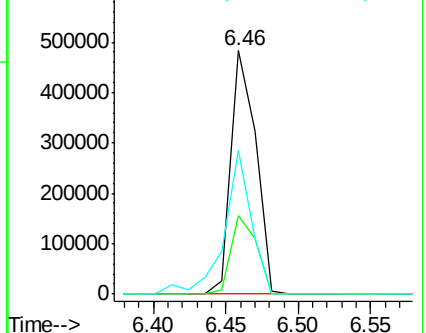
64 59.1 32.2 72.2

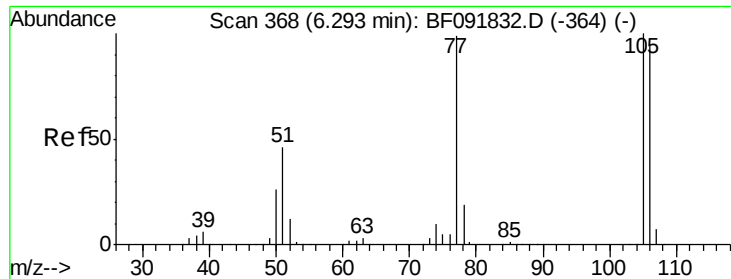


Abundance Ion 128.00 (127.70 to 128.70): E

Ion 130.00 (129.70 to 130.70): E

Ion 64.00 (63.70 to 64.70): BF0





#9

Benzaldehyde

Concen: 4.48 ng

RT: 6.22 min Scan# 379

Delta R.T. -0.03 min

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PB95719BS

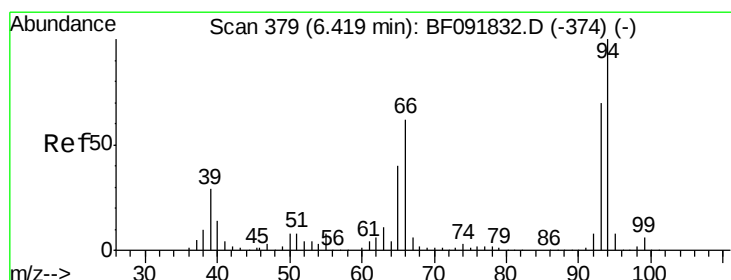
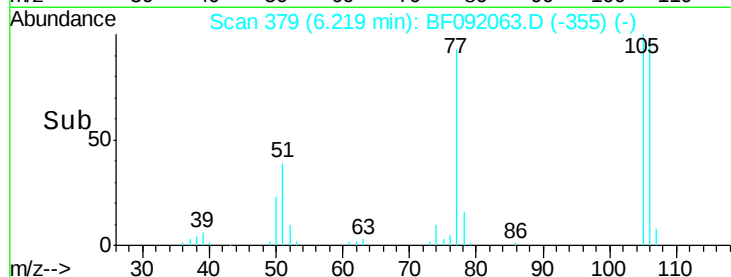
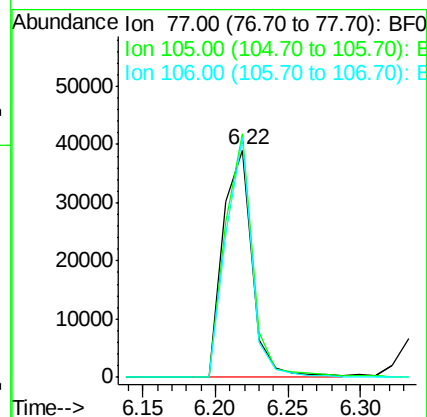
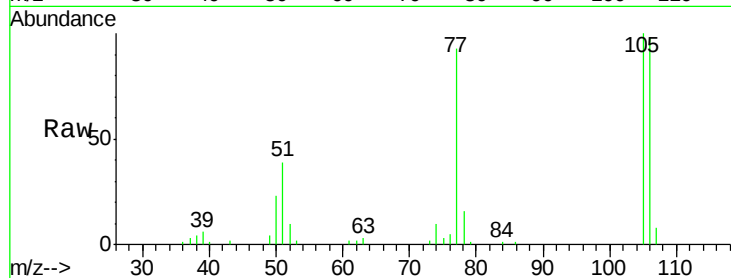
Tgt Ion: 77 Resp: 54481

Ion Ratio Lower Upper

77 100

105 107.0 83.9 123.9

106 105.3 77.6 117.6



#10

Phenol

Concen: 50.55 ng

RT: 6.36 min Scan# 391

Delta R.T. -0.04 min

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Acq: 3 Jan 2017 16:24

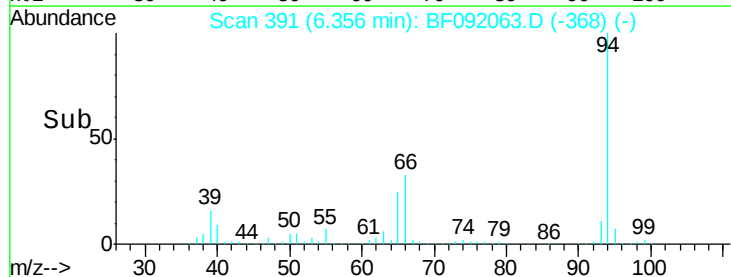
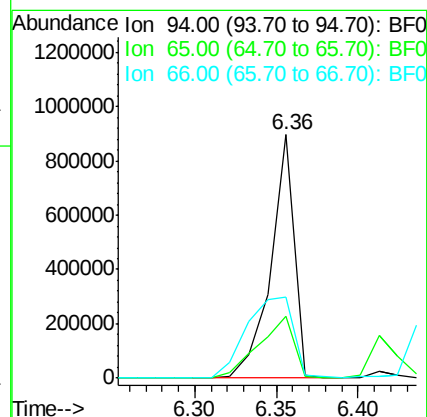
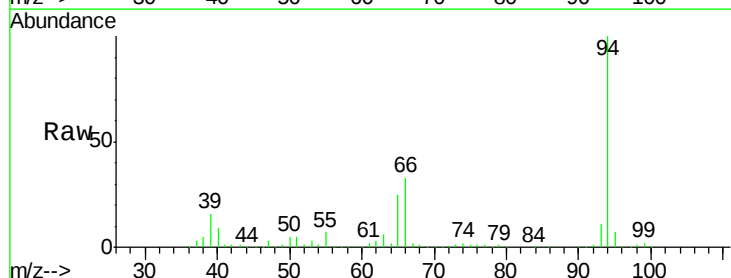
Tgt Ion: 94 Resp: 898407

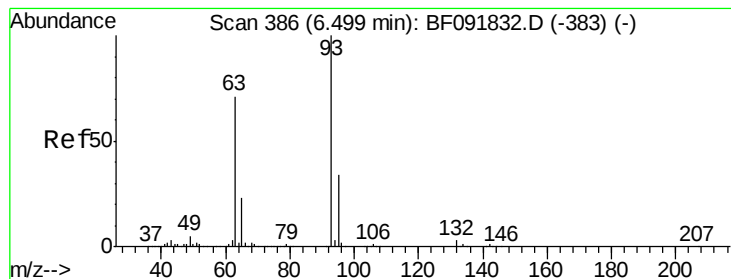
Ion Ratio Lower Upper

94 100

65 25.2 21.4 61.4

66 33.2 44.0 84.0#





#11

bis(2-Chloroethyl)ether

Concen: 50.00 ng

RT: 6.41 min Scan# 396

Delta R.T. -0.04 min

Lab File: BF092063.D

Acq: 3 Jan 2017 16:24

Instrument :

BNA_F

ClientSampleId :

PB95719BS

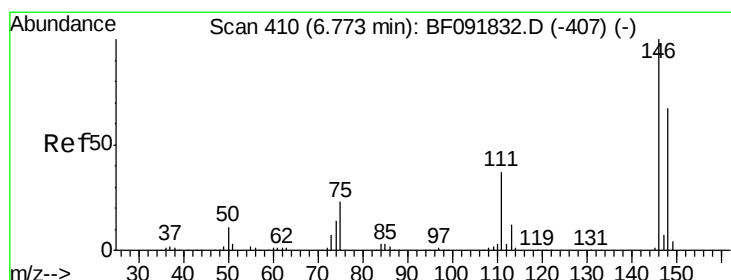
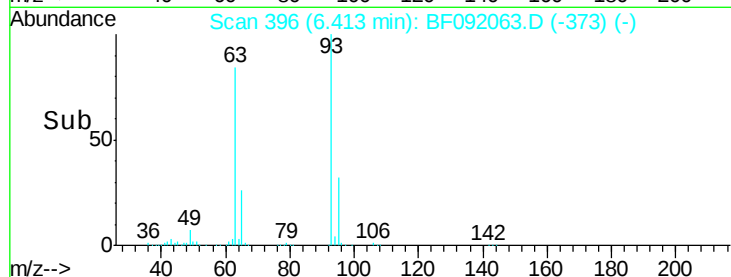
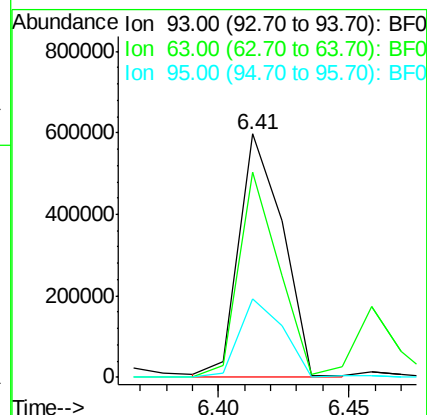
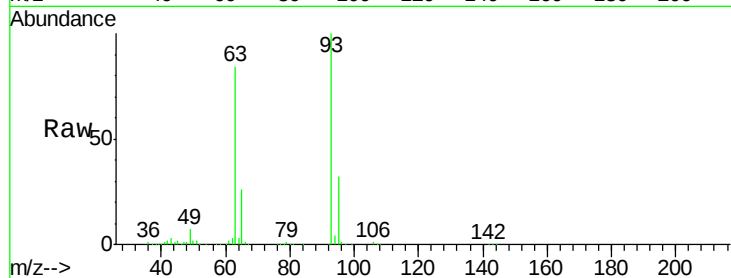
Tgt Ion: 93 Resp: 707123

Ion Ratio Lower Upper

93 100

63 84.3 60.4 100.4

95 32.1 12.8 52.8



#12

1,3-Dichlorobenzene

Concen: 38.56 ng

RT: 6.85 min Scan# 434

Delta R.T. 0.20 min

Lab File: BF092063.D

Acq: 3 Jan 2017 16:24

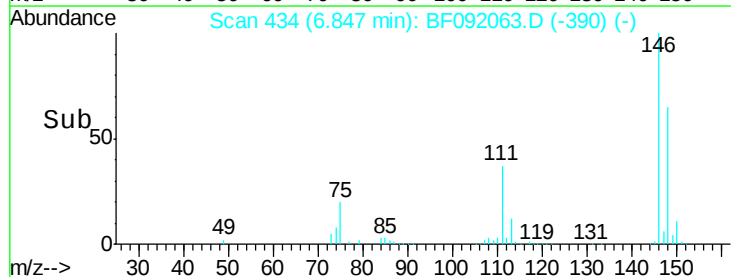
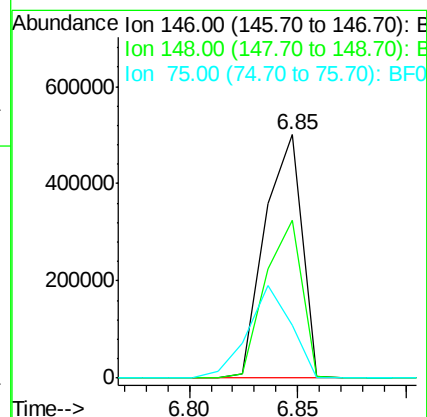
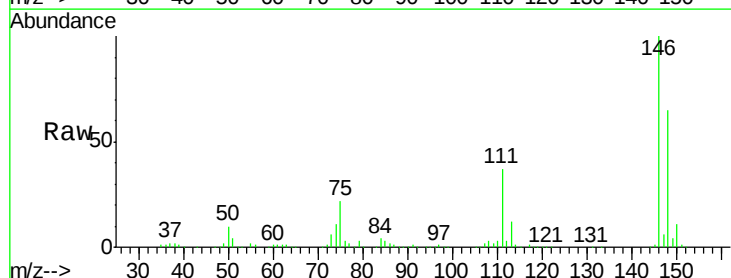
Tgt Ion: 146 Resp: 598275

Ion Ratio Lower Upper

146 100

148 64.9 53.4 80.0

75 21.5 18.5 27.7

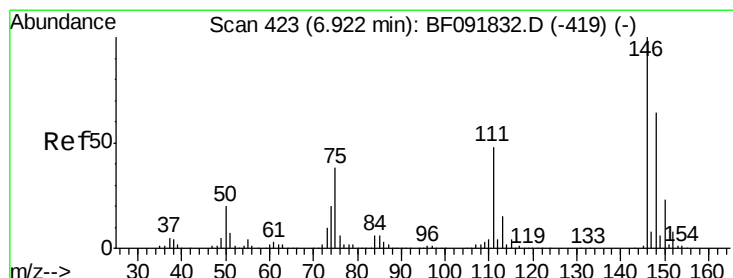
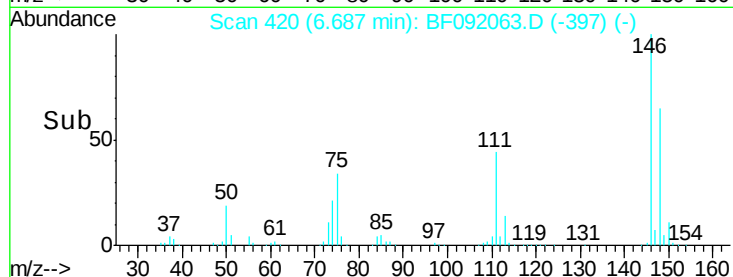
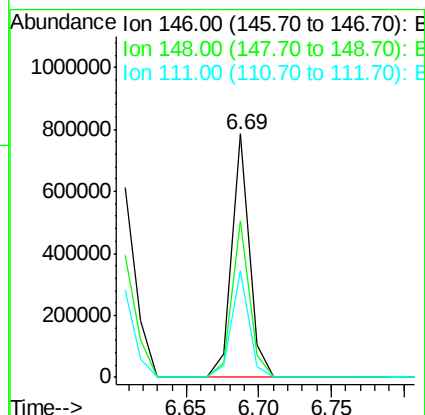
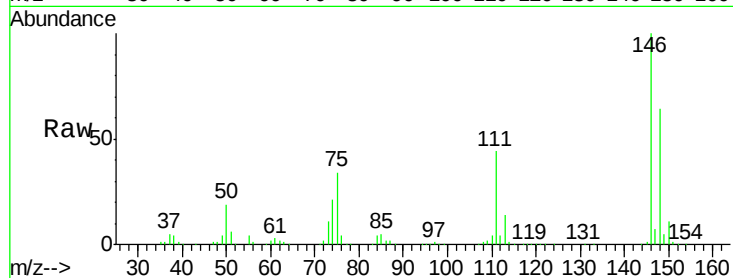




#13
 1,4-Dichlorobenzene
 Concen: 42.01 ng
 RT: 6.69 min Scan# 420
 Delta R.T. -0.04 min
 Lab File: BF092063.D
 Acq: 3 Jan 2017 16:24

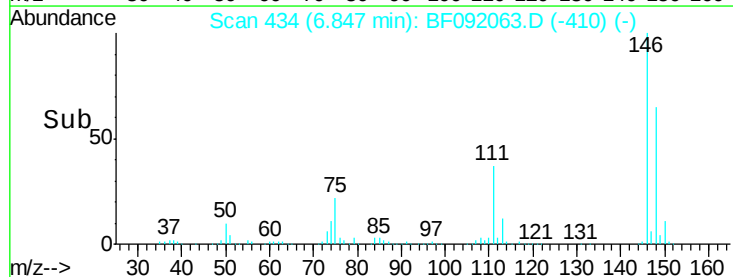
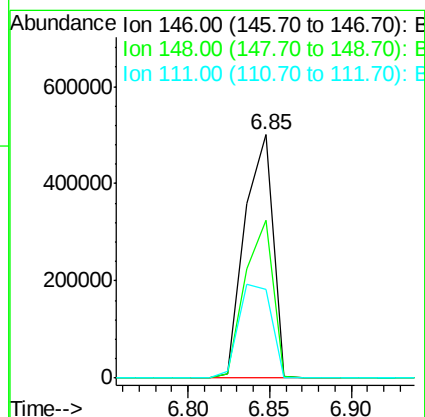
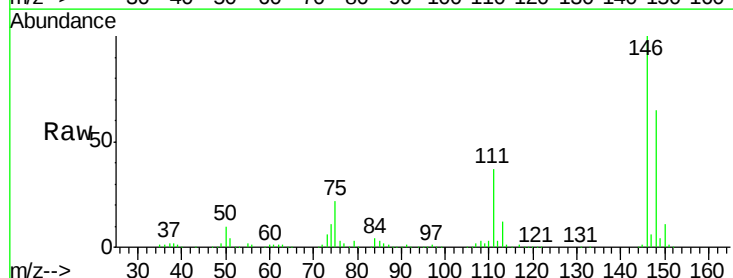
Instrument :
 BNA_F
 ClientSampleId :
 PB95719BS

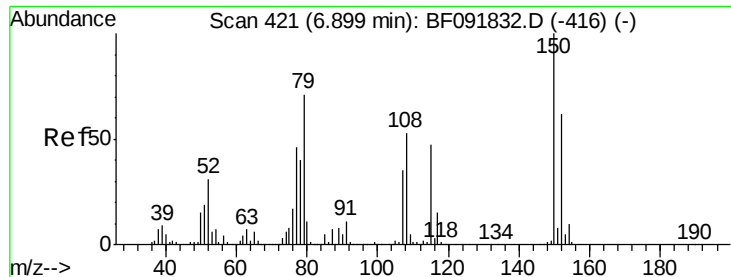
Tgt Ion:146 Resp: 663410
 Ion Ratio Lower Upper
 146 100
 148 64.5 50.6 76.0
 111 44.0 36.2 54.4



#14
 1,2-Dichlorobenzene
 Concen: 43.66 ng
 RT: 6.85 min Scan# 434
 Delta R.T. -0.03 min
 Lab File: BF092063.D
 Acq: 3 Jan 2017 16:24

Tgt Ion:146 Resp: 598202
 Ion Ratio Lower Upper
 146 100
 148 64.9 52.2 78.2
 111 36.6 36.2 54.2





#15

Benzyl Alcohol

Concen: 43.09 ng

RT: 6.82 min Scan# 432

Delta R.T. -0.04 min

Lab File: BF092063.D

Acq: 3 Jan 2017 16:24

Instrument :

BNA_F

ClientSampleId :

PB95719BS

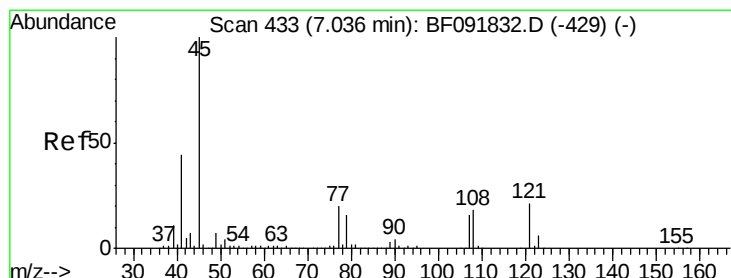
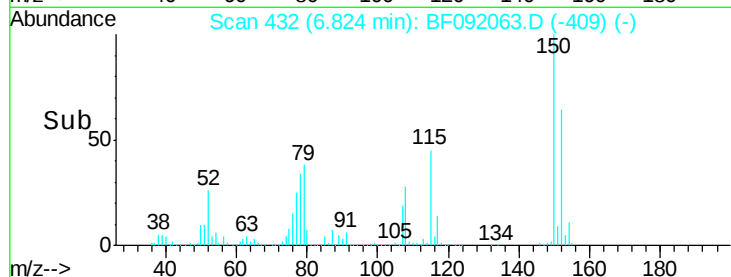
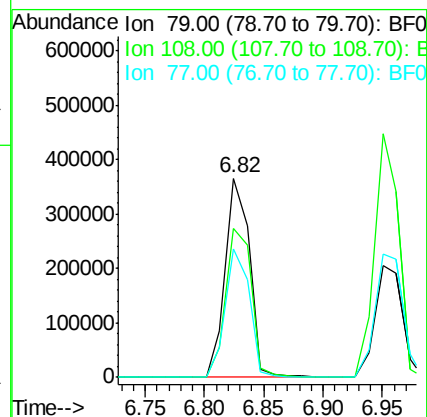
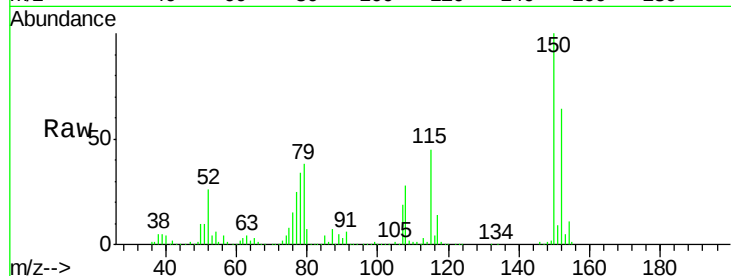
Tgt Ion: 79 Resp: 522173

Ion Ratio Lower Upper

79 100

108 74.7 61.4 92.0

77 64.5 50.9 76.3



#16

2,2'-oxybis(1-Chloropropane)

Concen: 43.12 ng

RT: 6.96 min Scan# 444

Delta R.T. -0.04 min

Lab File: BF092063.D

Acq: 3 Jan 2017 16:24

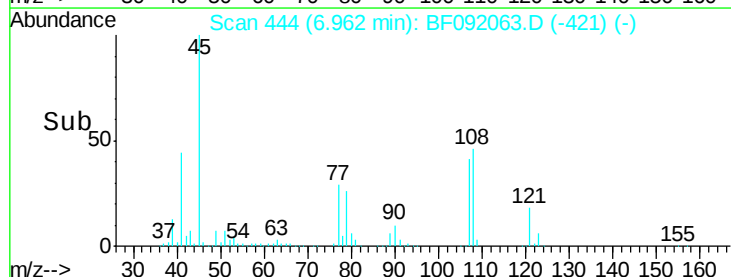
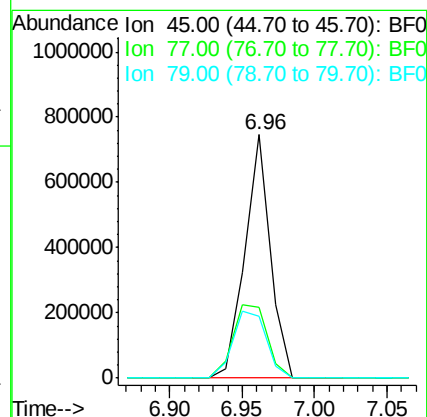
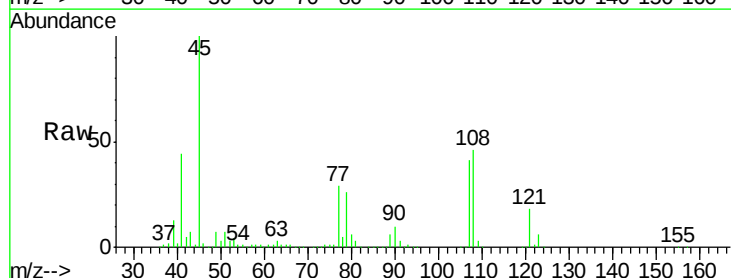
Tgt Ion: 45 Resp: 908135

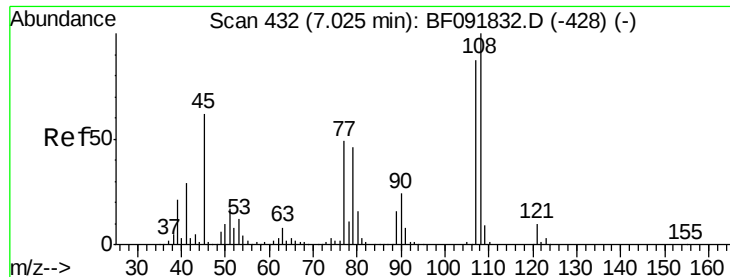
Ion Ratio Lower Upper

45 100

77 29.1 0.0 34.6

79 25.5 0.0 31.2

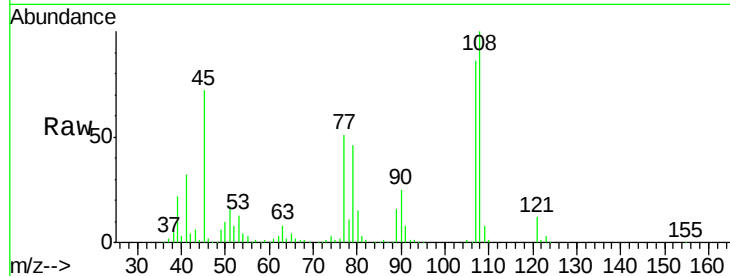




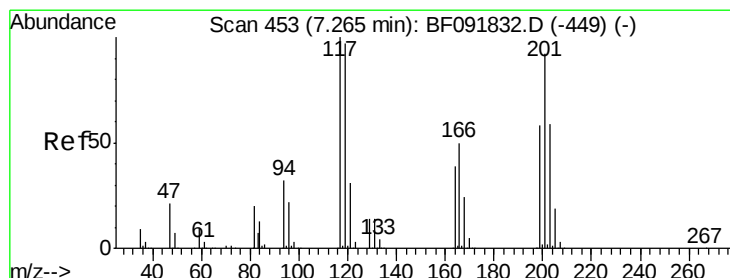
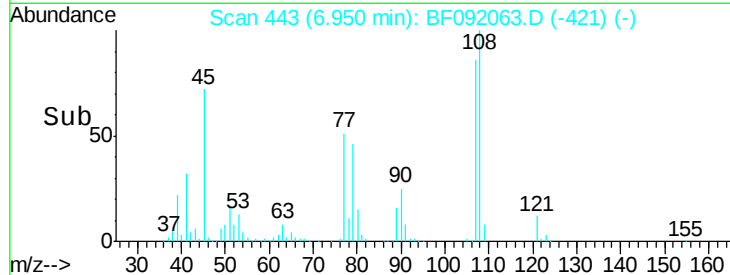
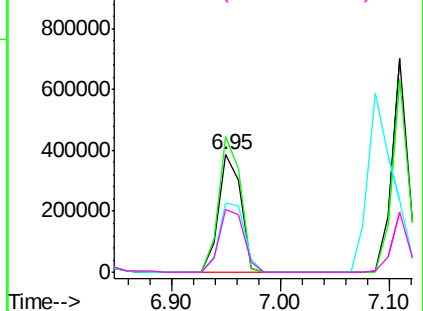
#17
2-Methylphenol
Concen: 47.28 ng
RT: 6.95 min Scan# 443
Delta R.T. -0.05 min
Lab File: BF092063.D
Acq: 3 Jan 2017 16:24

Instrument :
BNA_F
ClientSampleId :
PB95719BS

Tgt Ion:	107	Resp:	552610
Ion	Ratio	Lower	Upper
107	100		
108	116.0	93.0	139.6
77	58.8	39.8	59.8
79	53.5	38.0	57.0

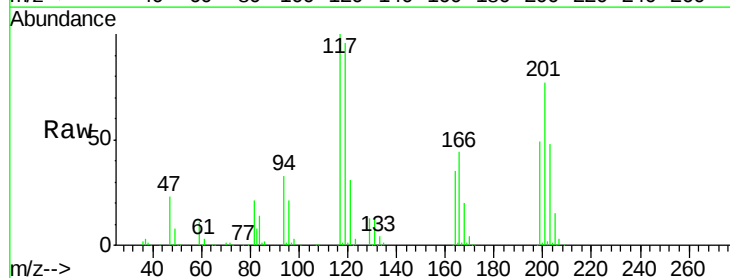


Abundance Ion 107.00 (106.70 to 107.70): E
Ion 108.00 (107.70 to 108.70): E
Ion 77.00 (76.70 to 77.70): BF0
Ion 79.00 (78.70 to 79.70): BF0



#18
Hexachloroethane
Concen: 44.83 ng
RT: 7.18 min Scan# 463
Delta R.T. -0.04 min
Lab File: BF092063.D
Acq: 3 Jan 2017 16:24

Tgt Ion:	117	Resp:	262447
Ion	Ratio	Lower	Upper
117	100		
119	96.2	78.1	117.1
201	76.5	78.6	117.8#



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

