

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF102716\
 Data File : BF090885.D
 Acq On : 27 Oct 2016 23:47
 Operator : UM/SJ
 Sample : H5422-05
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SB-2-COMP

Quant Time: Oct 28 01:15:59 2016
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF102616.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Oct 27 18:46:43 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.77	152	145125	20.00	ng	0.00
21) Naphthalene-d8	8.06	136	536837	20.00	ng	0.00
38) Acenaphthene-d10	9.81	164	251247	20.00	ng	-0.01
63) Phenanthrene-d10	11.31	188	337936	20.00	ng	0.00
75) Chrysene-d12	13.96	240	329485	20.00	ng	0.01
86) Perylene-d12	15.38	264	404780	20.00	ng	0.02

System Monitoring Compounds

5) 2-Fluorophenol	5.37	112	1103986	133.00	ng	0.00
7) Phenol-d6	6.42	99	1333852	119.11	ng	0.00
23) Nitrobenzene-d5	7.34	82	792909	96.69	ng	-0.01
41) 2,4,6-Tribromophenol	10.61	330	266851	103.35	ng	0.00
44) 2-Fluorobiphenyl	9.14	172	1205155	84.23	ng	-0.01
78) Terphenyl-d14	12.89	244	972294	74.35	ng	-0.01

Target Compounds

						Qvalue
10) Phenol	6.43	94	41025	3.32	ng	85
18) Hexachloroethane	7.34	117	14686	3.66	ng	# 5
19) n-Nitroso-di-n-propylamine	7.34	70	103763	16.03	ng	# 48
20) 3+4-Methylphenols	7.20	107	18762	2.08	ng	89
31) Naphthalene	8.09	128	1895907	75.55	ng	96
32) Benzoic acid	7.86	122	19041	3.49	ng	# 28
33) 4-Chloroaniline	8.09	127	258941	25.54	ng	# 34
37) 2-Methylnaphthalene	8.77	142	604275	37.28	ng	# 90
45) 1,1'-Biphenyl	9.24	154	225332	12.45	ng	95
48) Acenaphthylene	9.68	152	44498	2.13	ng	# 69
49) Dimethylphthalate	9.54	163	304547	18.14	ng	# 97
51) Acenaphthene	9.85	154	1086343	75.67	ng	87
52) 3-Nitroaniline	9.77	138	8150	2.07	ng	# 26
54) Dibenzofuran	10.02	168	1316632	71.07	ng	# 86
55) 4-Nitrophenol	10.02	139	486896	202.30	ng	# 29
56) 2,4-Dinitrotoluene	9.97	165	15967	3.47	ng	# 63
57) Fluorene	10.36	166	1153644	76.02	ng	# 92
58) 2,3,4,6-Tetrachlorophenol	10.14	232	10434	2.55	ng	# 45
61) 4-Nitroaniline	10.36	138	14697	3.76	ng	81
65) n-Nitrosodiphenylamine	10.45	169	64068	6.19	ng	# 1
70) Phenanthrene	11.34	178	6511046	378.35	ng	# 91
71) Anthracene	11.39	178	2395344	132.18	ng	94
72) Carbazole	11.54	167	1179699	73.72	ng	94
74) Fluoranthene	12.53	202	5568808	295.49	ng	91
77) Pyrene	12.76	202	4571645	219.25	ng	# 90
80) Benzo(a)anthracene	13.95	228	3109260	177.81	ng	# 91
82) Chrysene	13.95	228	3109260	175.79	ng	93
83) Bis(2-ethylhexyl)phthalate	13.94	149	48673	3.95	ng	# 96
85) Indeno(1,2,3-cd)pyrene	16.75	276	1279595	81.64	ng	# 82
87) Benzo(b)fluoranthene	14.99	252	4753734	174.65	ng	# 87
88) Benzo(k)fluoranthene	14.99	252	4753734	221.00	ng	# 88
89) Benzo(a)pyrene	15.33	252	2561150	109.51	ng	# 83
90) Dibenzo(a,h)anthracene	16.75	278	425326	21.48	ng	# 79
91) Benzo(g,h,i)perylene	17.16	276	1057619	56.72	ng	# 77

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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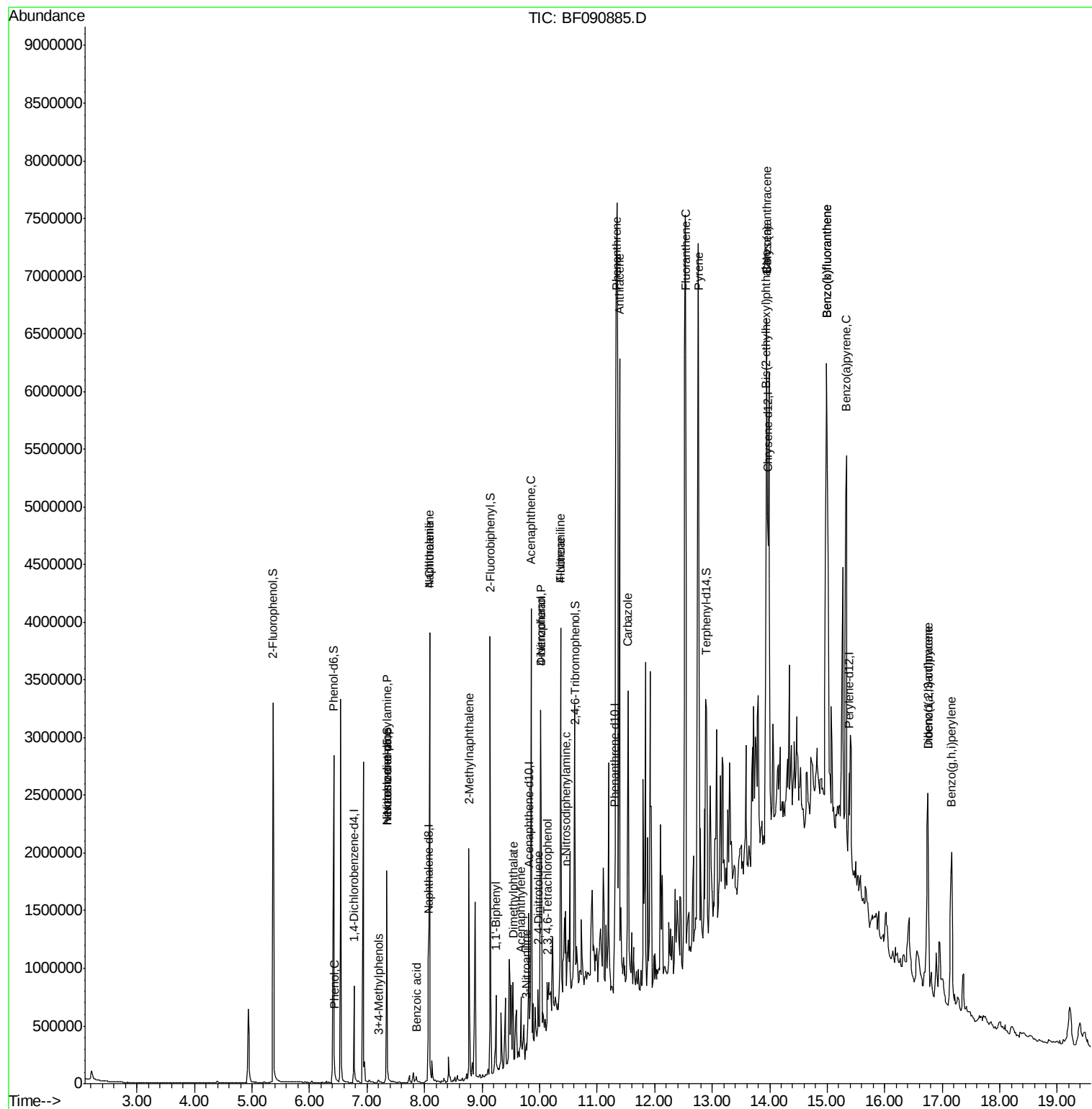
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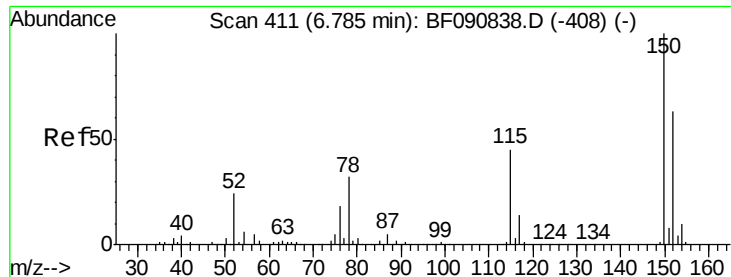
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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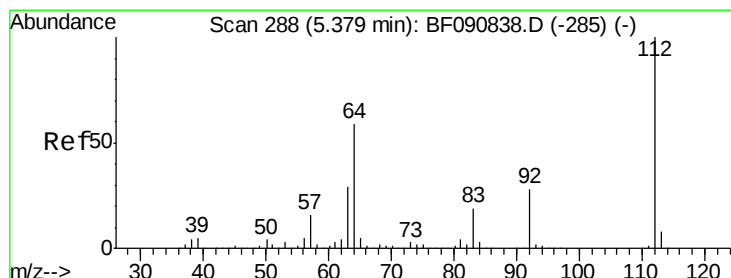
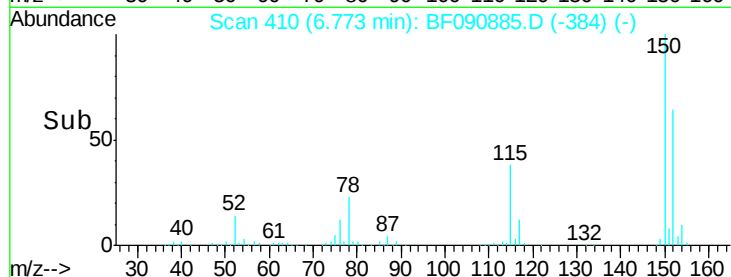
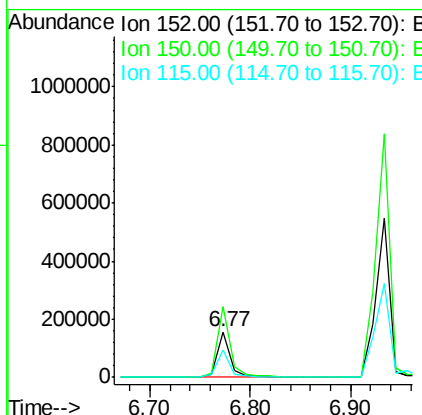
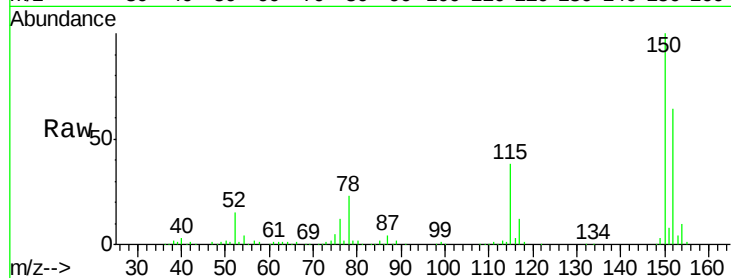




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.00 ng
 RT: 6.77 min Scan# 410
 Delta R.T. 0.00 min
 Lab File: BF090885.D
 Acq: 27 Oct 2016 23:47

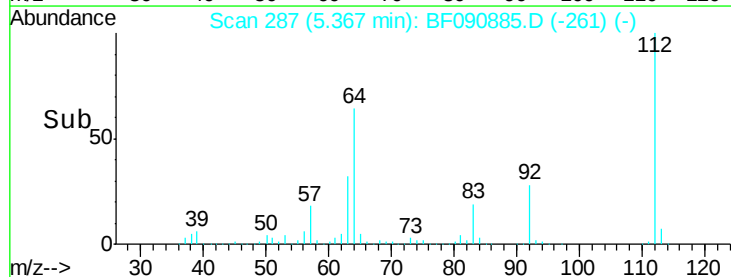
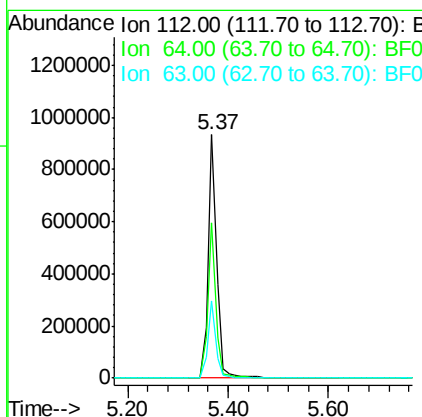
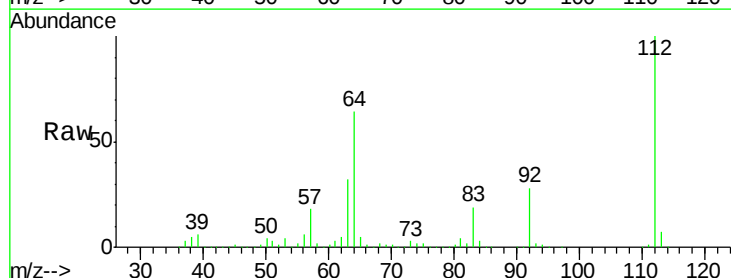
Instrument :
 BNA_F
 ClientSampleId :
 SB-2-COMP

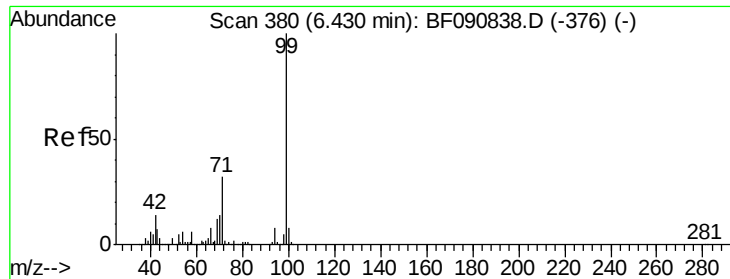
Tgt Ion:152 Resp: 145125
 Ion Ratio Lower Upper
 152 100
 150 155.3 124.7 187.1
 115 59.2 39.0 58.4#



#5
 2-Fluorophenol
 Concen: 133.00 ng
 RT: 5.37 min Scan# 287
 Delta R.T. 0.00 min
 Lab File: BF090885.D
 Acq: 27 Oct 2016 23:47

Tgt Ion:112 Resp: 1103986
 Ion Ratio Lower Upper
 112 100
 64 63.9 39.7 59.5#
 63 31.7 17.4 26.0#





#7

Phenol-d6

Concen: 119.11 ng

RT: 6.42 min Scan# 379

Delta R.T. 0.00 min

Lab File: BF090885.D

Acq: 27 Oct 2016 23:47

Instrument :

BNA_F

ClientSampleId :

SB-2-COMP

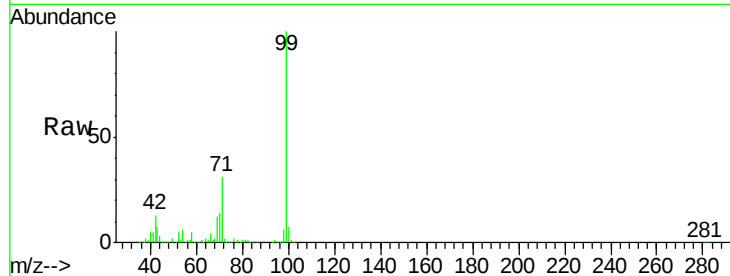
Tgt Ion: 99 Resp: 1333852

Ion Ratio Lower Upper

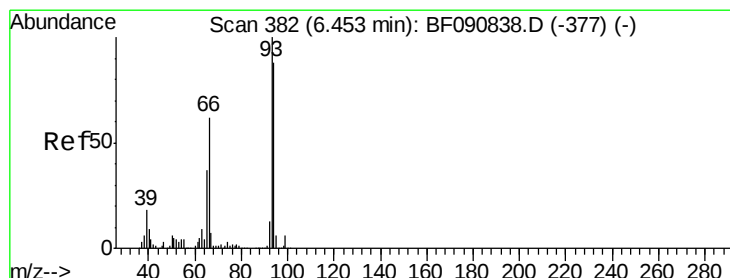
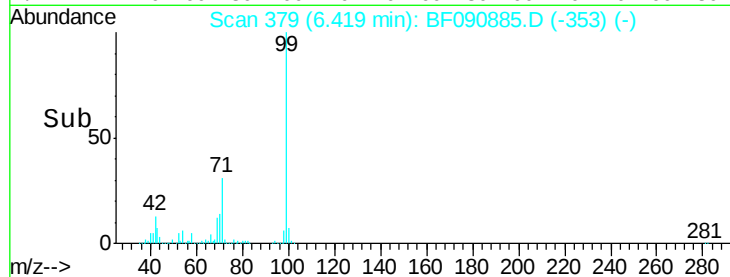
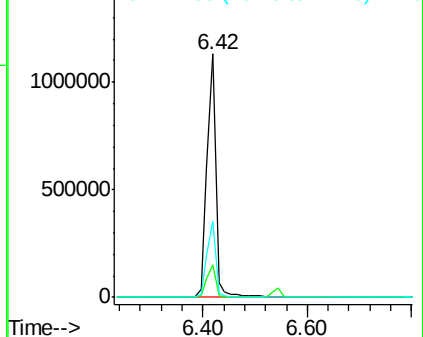
99 100

42 13.2 13.7 20.5#

71 31.2 14.2 21.2#



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



#10

Phenol

Concen: 3.32 ng

RT: 6.43 min Scan# 380

Delta R.T. -0.01 min

Lab File: BF090885.D

Acq: 27 Oct 2016 23:47

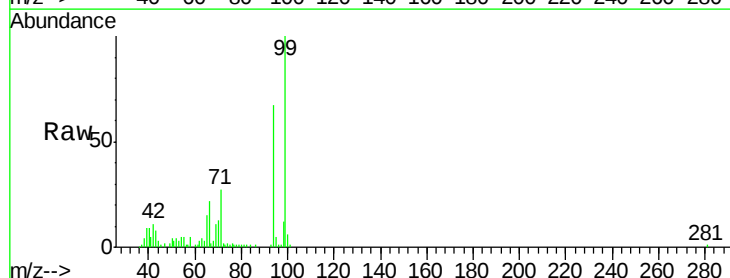
Tgt Ion: 94 Resp: 41025

Ion Ratio Lower Upper

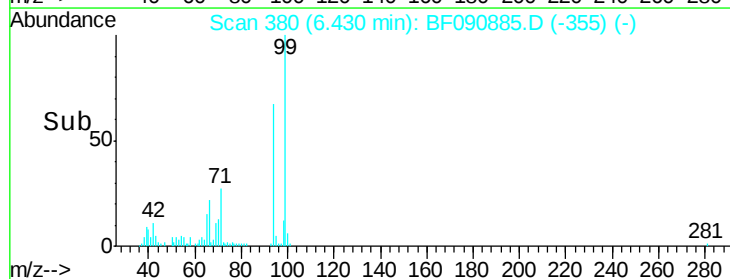
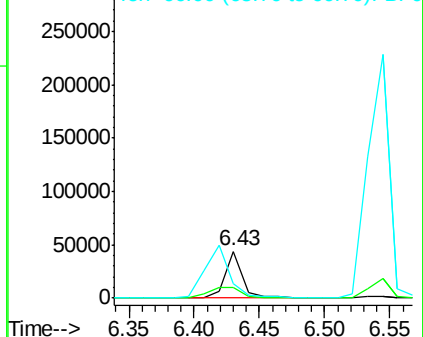
94 100

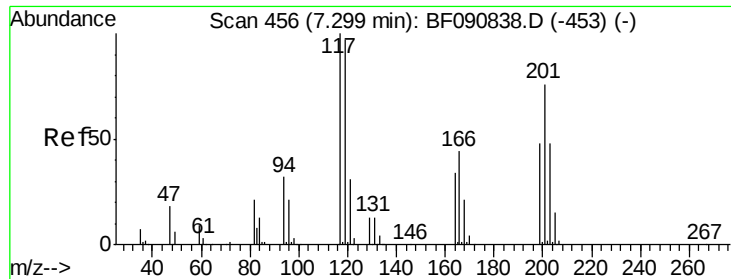
65 22.8 0.7 40.7

66 32.5 0.8 40.8



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





#18

Hexachloroethane

Concen: 3.66 ng

RT: 7.34 min Scan# 460

Delta R.T. 0.06 min

Lab File: BF090885.D

Acq: 27 Oct 2016 23:47

Instrument :

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ClientSampleId :

SB-2-COMP

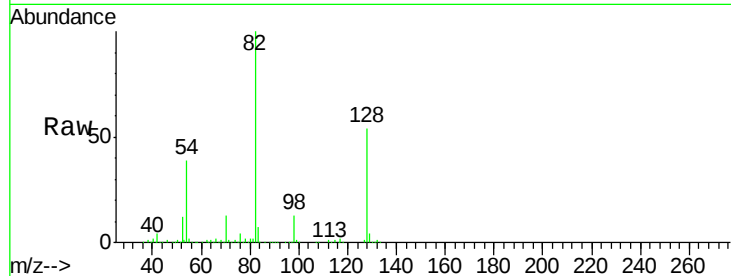
Tgt Ion:117 Resp: 14686

Ion Ratio Lower Upper

117 100

119 0.0 83.8 125.6#

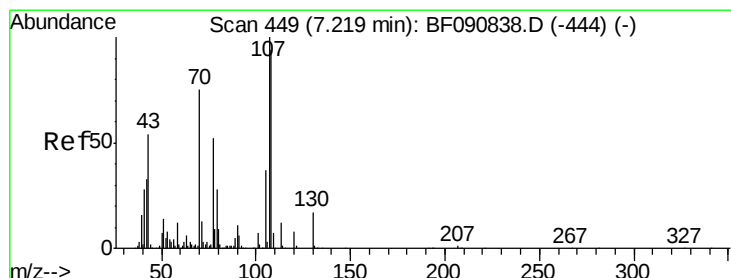
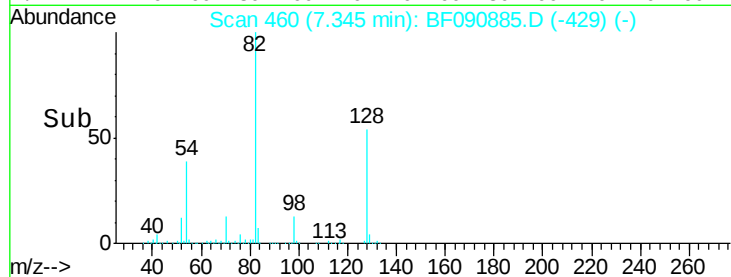
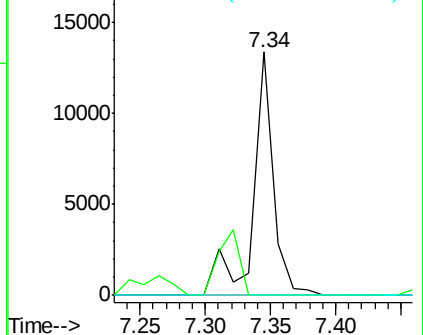
201 0.0 55.1 82.7#



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: 16.03 ng

RT: 7.34 min Scan# 460

Delta R.T. 0.14 min

Lab File: BF090885.D

Acq: 27 Oct 2016 23:47

Tgt Ion: 70 Resp: 103763

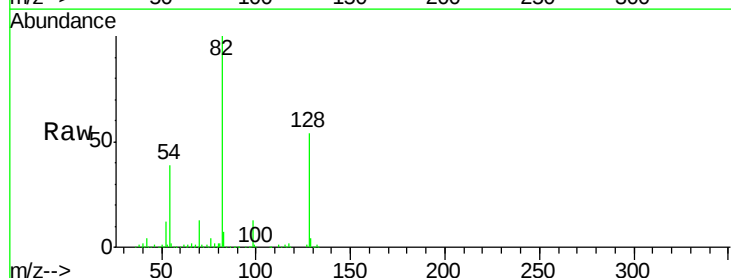
Ion Ratio Lower Upper

70 100

42 32.0 63.8 95.6#

101 0.0 9.2 13.8#

130 2.7 27.3 40.9#

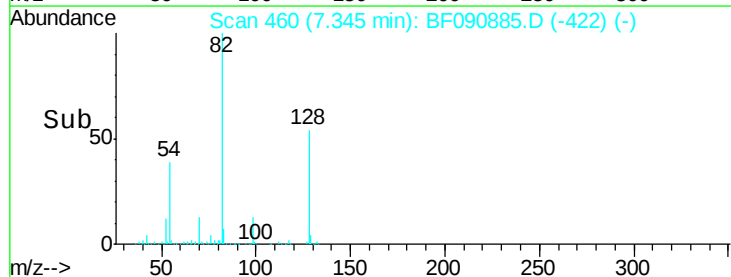
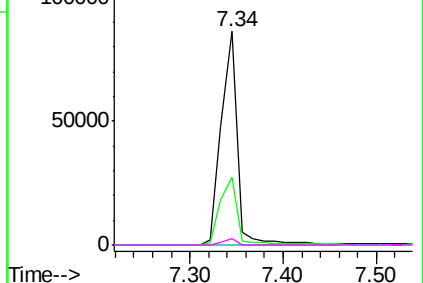


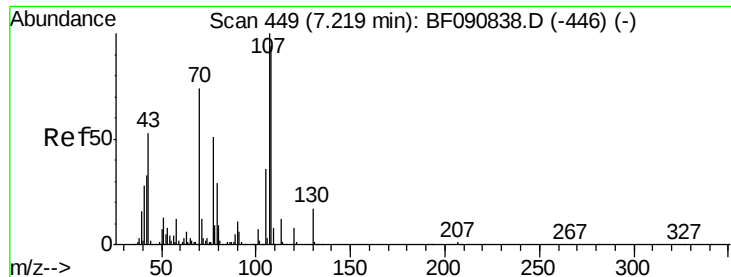
Abundance Ion 70.00 (69.70 to 70.70): BF0

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: 2.08 ng

RT: 7.20 min Scan# 447

Delta R.T. -0.01 min

Lab File: BF090885.D

Acq: 27 Oct 2016 23:47

Instrument :

BNA_F

ClientSampleId :

SB-2-COMP

Tgt Ion:107 Resp: 18762

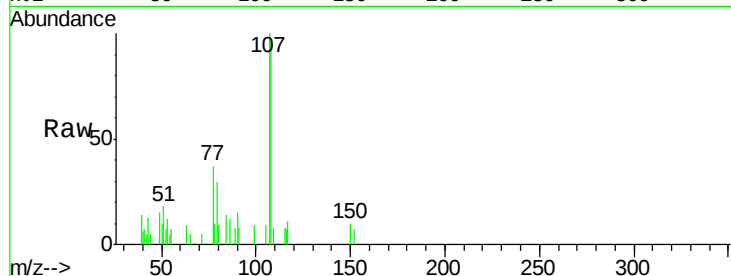
Ion Ratio Lower Upper

107 100

108 97.0 74.6 114.6

77 37.1 0.7 40.7

79 30.0 0.0 38.9

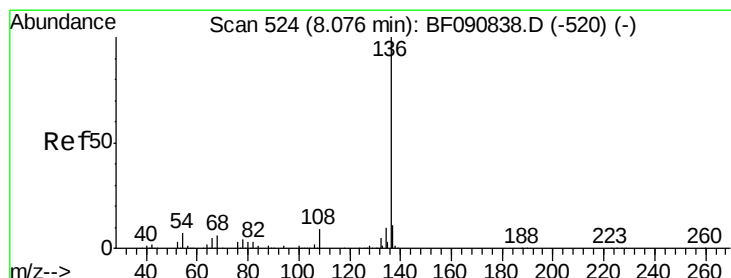
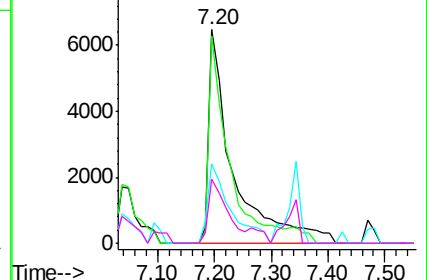
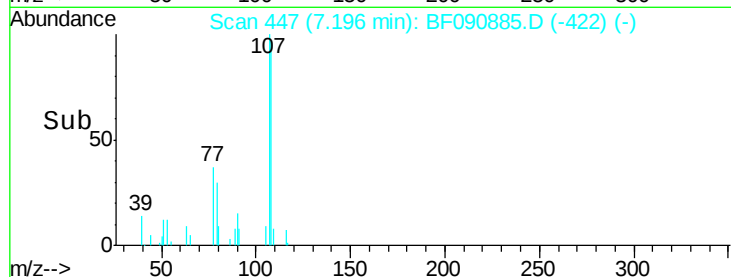


Abundance Ion 107.00 (106.70 to 107.70): E

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



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.06 min Scan# 523

Delta R.T. 0.00 min

Lab File: BF090885.D

Acq: 27 Oct 2016 23:47

Tgt Ion:136 Resp: 536837

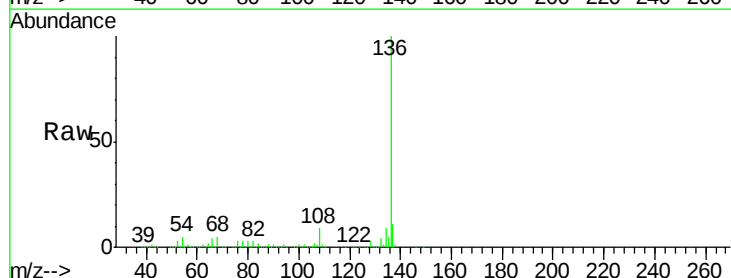
Ion Ratio Lower Upper

136 100

137 10.8 9.0 13.6

54 5.5 8.2 12.2#

68 5.5 5.8 8.6#

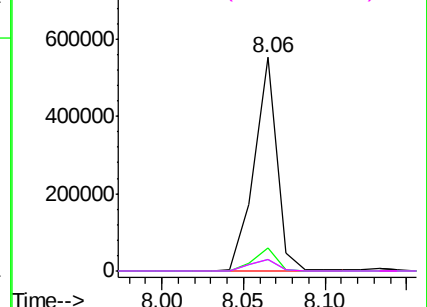
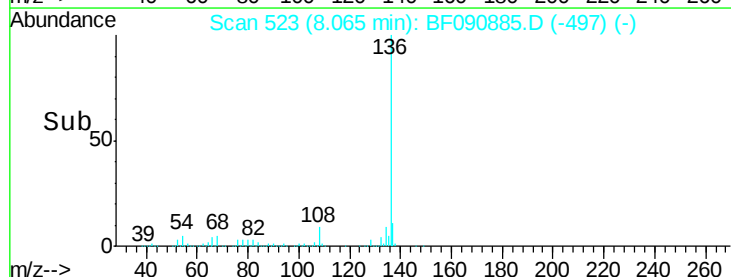


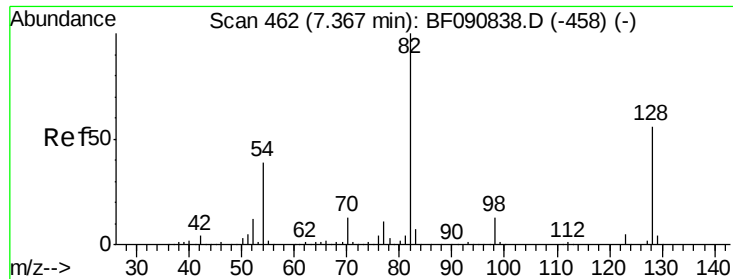
Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BF0

Ion 68.00 (67.70 to 68.70): BF0

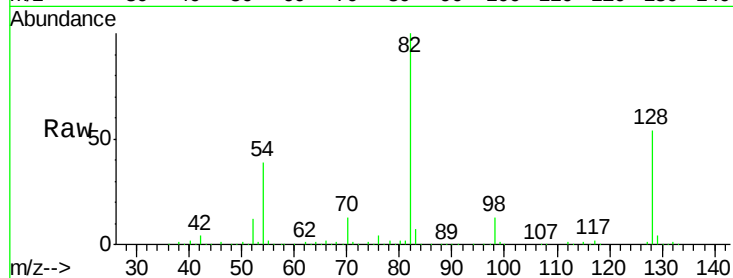




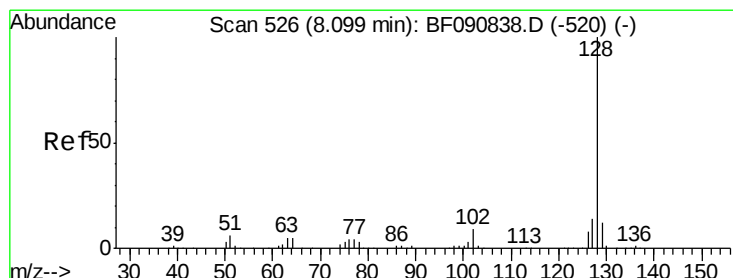
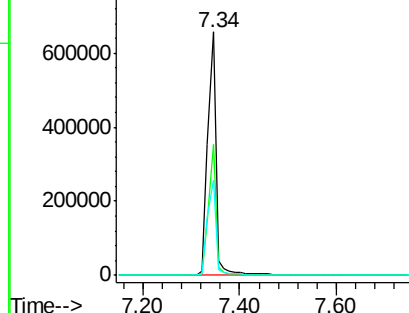
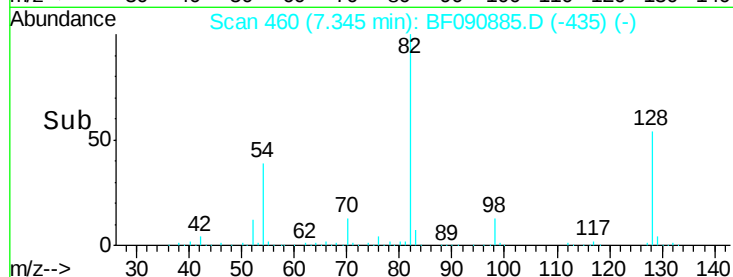
#23
 Nitrobenzene-d5
 Concen: 96.69 ng
 RT: 7.34 min Scan# 460
 Delta R.T. -0.01 min
 Lab File: BF090885.D
 Acq: 27 Oct 2016 23:47

Instrument :
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 SB-2-COMP

Tgt Ion: 82 Resp: 792909
 Ion Ratio Lower Upper
 82 100
 128 53.6 51.0 76.6
 54 39.3 47.5 71.3#

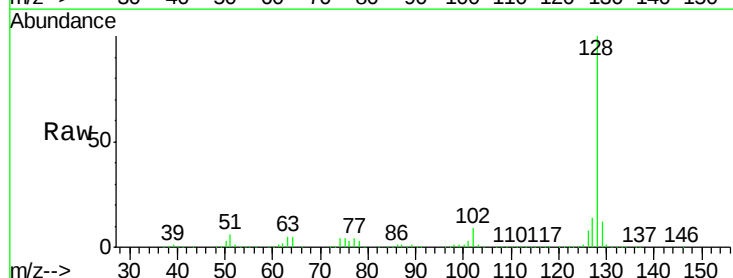


Abundance Ion 82.00 (81.70 to 82.70): BF0
 Ion 128.00 (127.70 to 128.70): E
 Ion 54.00 (53.70 to 54.70): BF0

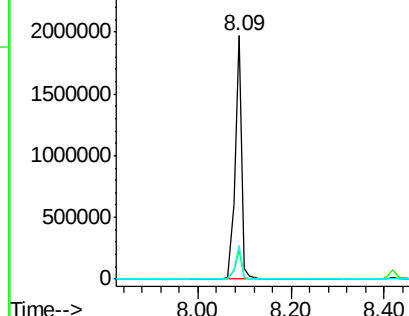
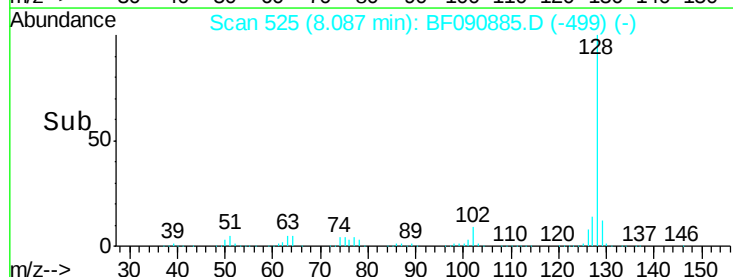


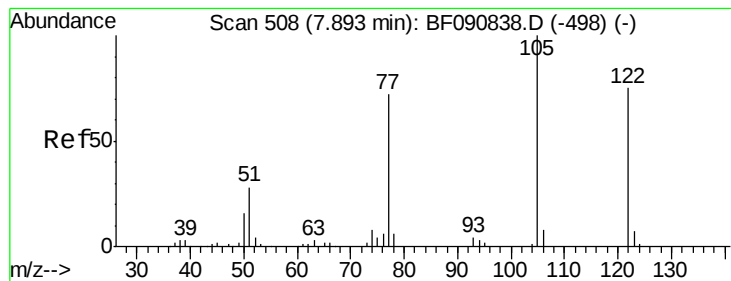
#31
 Naphthalene
 Concen: 75.55 ng
 RT: 8.09 min Scan# 525
 Delta R.T. 0.00 min
 Lab File: BF090885.D
 Acq: 27 Oct 2016 23:47

Tgt Ion: 128 Resp: 1895907
 Ion Ratio Lower Upper
 128 100
 129 11.8 8.4 12.6
 127 14.1 9.9 14.9



Abundance Ion 128.00 (127.70 to 128.70): E
 Ion 129.00 (128.70 to 129.70): E
 Ion 127.00 (126.70 to 127.70): E





#32

Benzoic acid

Concen: 3.49 ng

RT: 7.86 min Scan# 505

Delta R.T. -0.02 min

Lab File: BF090885.D

Acq: 27 Oct 2016 23:47

Instrument :

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ClientSampleId :

SB-2-COMP

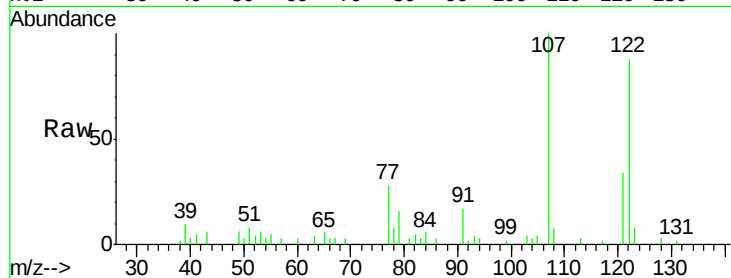
Tgt Ion:122 Resp: 19041

Ion Ratio Lower Upper

122 100

105 4.3 76.1 116.1#

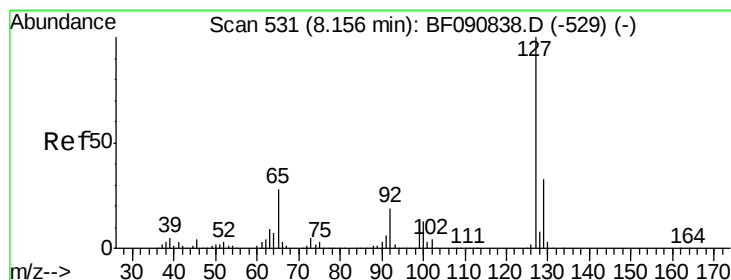
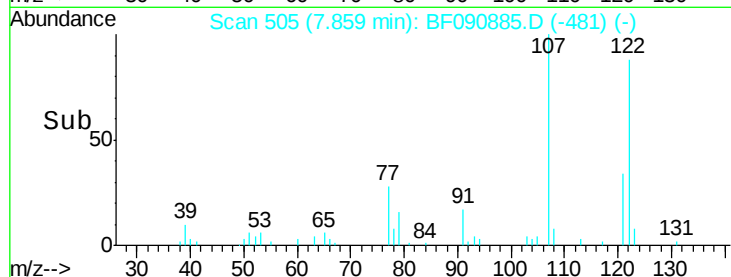
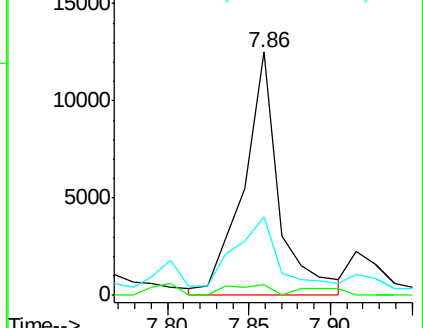
77 32.1 40.5 80.5#



Abundance Ion 122.00 (121.70 to 122.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 77.00 (76.70 to 77.70): BF0



#33

4-Chloroaniline

Concen: 25.54 ng

RT: 8.09 min Scan# 525

Delta R.T. -0.06 min

Lab File: BF090885.D

Acq: 27 Oct 2016 23:47

Tgt Ion:127 Resp: 258941

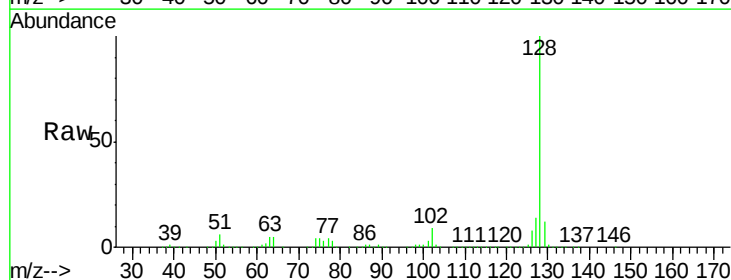
Ion Ratio Lower Upper

127 100

129 84.2 25.8 38.6#

65 0.0 17.9 26.9#

92 0.0 10.5 15.7#

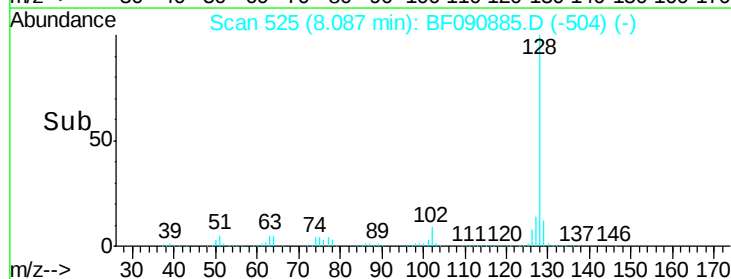
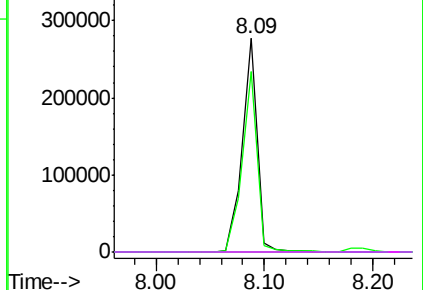


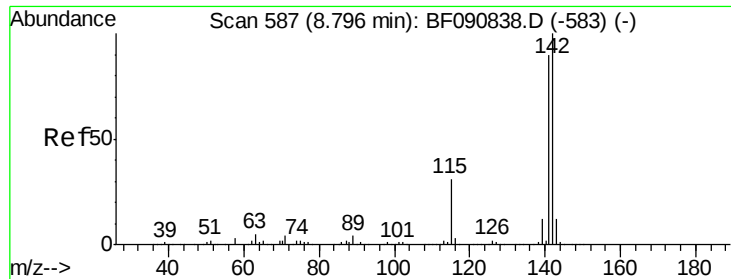
Abundance Ion 127.00 (126.70 to 127.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 65.00 (64.70 to 65.70): BF0

Ion 92.00 (91.70 to 92.70): BF0

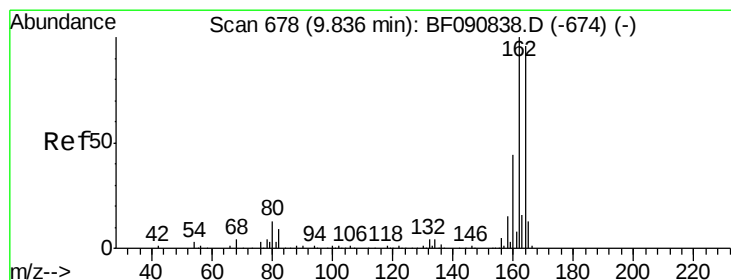
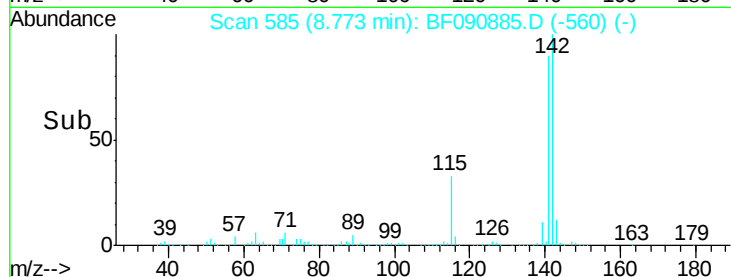
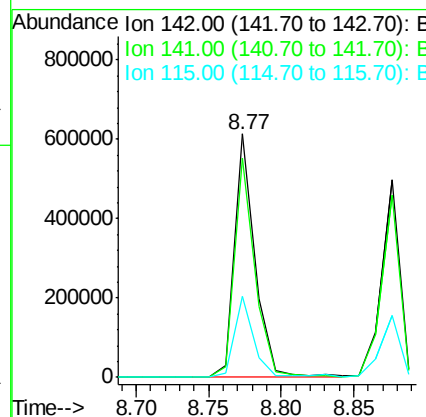
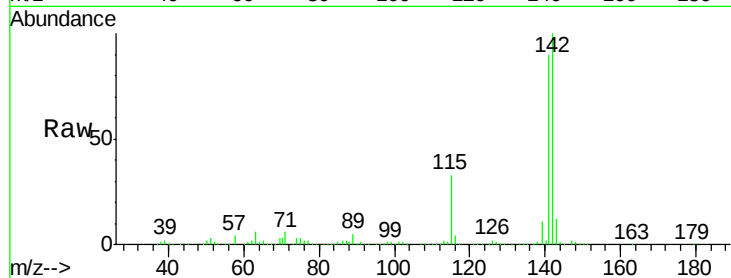




#37
 2-Methylnaphthalene
 Concen: 37.28 ng
 RT: 8.77 min Scan# 585
 Delta R.T. -0.01 min
 Lab File: BF090885.D
 Acq: 27 Oct 2016 23:47

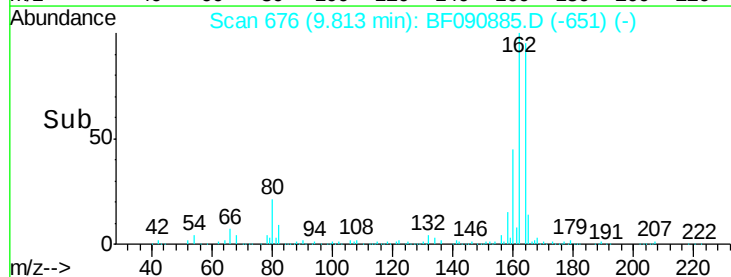
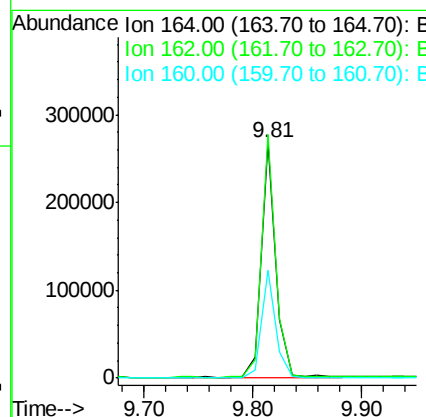
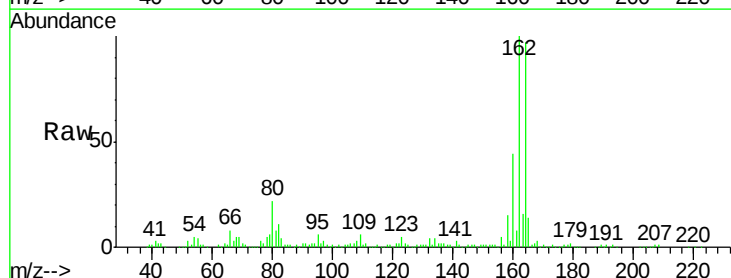
Instrument :
 BNA_F
 ClientSampleId :
 SB-2-COMP

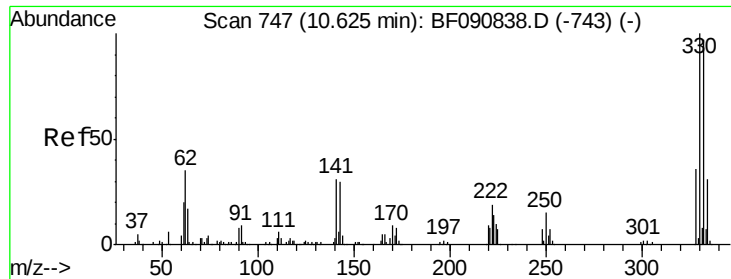
Tgt Ion:142 Resp: 604275
 Ion Ratio Lower Upper
 142 100
 141 90.2 67.5 101.3
 115 33.0 18.2 27.2#



#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.81 min Scan# 676
 Delta R.T. -0.01 min
 Lab File: BF090885.D
 Acq: 27 Oct 2016 23:47

Tgt Ion:164 Resp: 251247
 Ion Ratio Lower Upper
 164 100
 162 103.2 75.2 112.8
 160 45.9 31.5 47.3

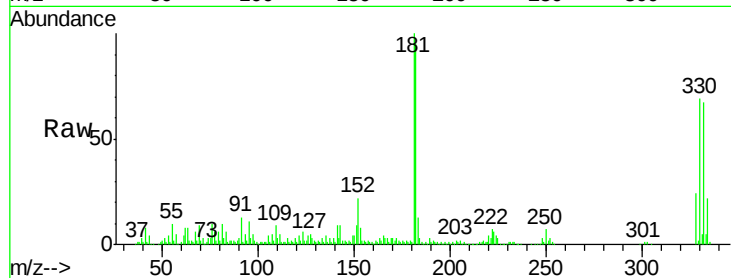




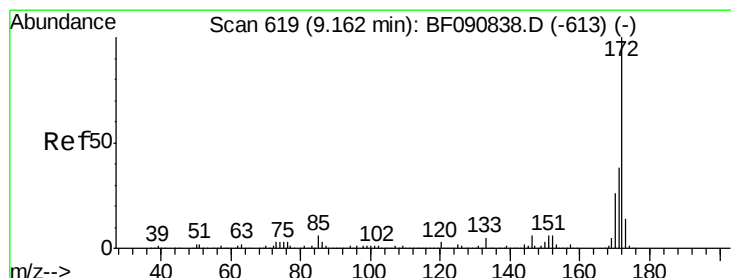
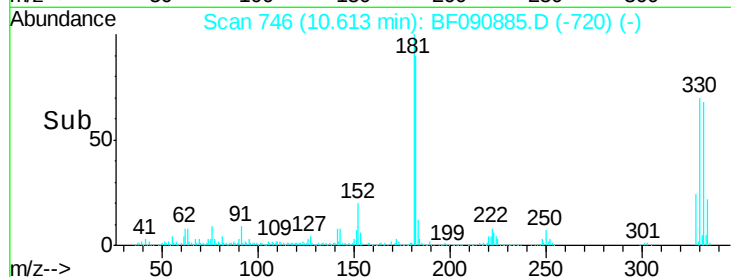
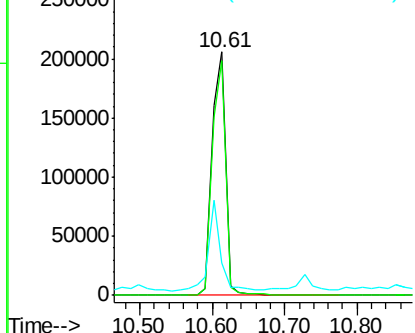
#41
 2,4,6-Tribromophenol
 Concen: 103.35 ng
 RT: 10.61 min Scan# 746
 Delta R.T. 0.00 min
 Lab File: BF090885.D
 Acq: 27 Oct 2016 23:47

Instrument :
 BNA_F
 ClientSampleId :
 SB-2-COMP

Tgt Ion:330 Resp: 266851
 Ion Ratio Lower Upper
 330 100
 332 95.7 76.6 114.8
 141 34.1 29.7 44.5

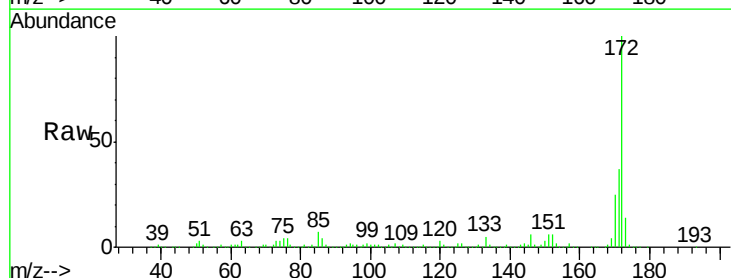


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

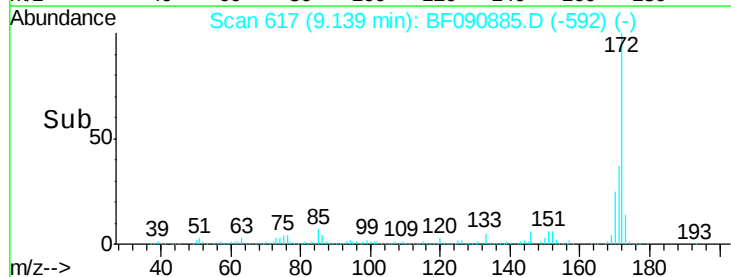
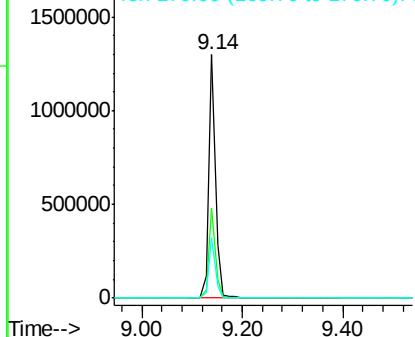


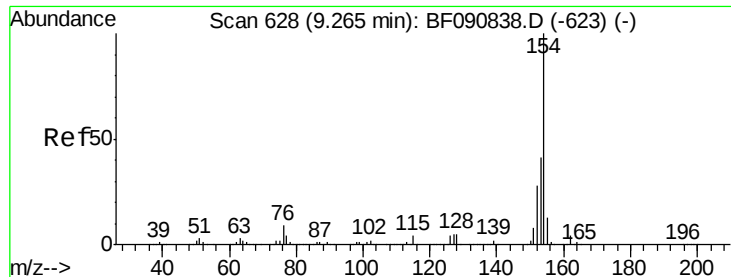
#44
 2-Fluorobiphenyl
 Concen: 84.23 ng
 RT: 9.14 min Scan# 617
 Delta R.T. -0.01 min
 Lab File: BF090885.D
 Acq: 27 Oct 2016 23:47

Tgt Ion:172 Resp: 1205155
 Ion Ratio Lower Upper
 172 100
 171 37.1 26.1 39.1
 170 24.8 17.4 26.2



Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E

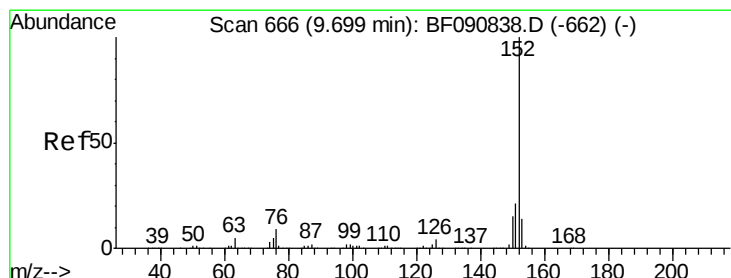
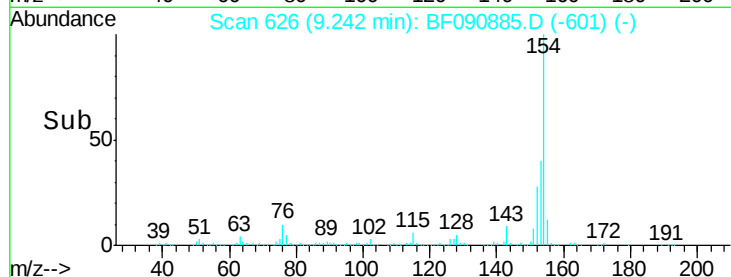
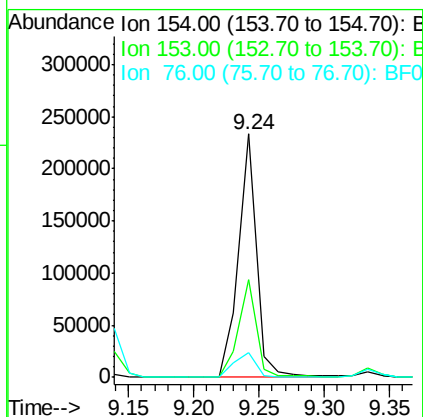
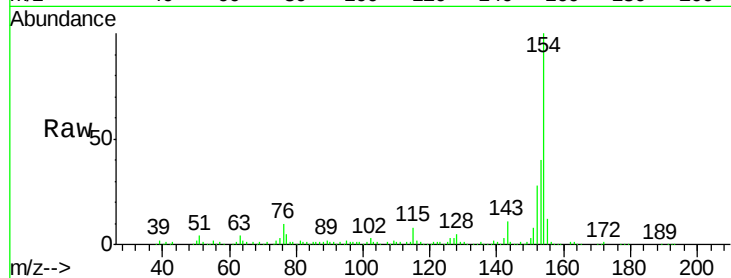




#45
 1,1'-Biphenyl
 Concen: 12.45 ng
 RT: 9.24 min Scan# 626
 Delta R.T. -0.01 min
 Lab File: BF090885.D
 Acq: 27 Oct 2016 23:47

Instrument :
 BNA_F
 ClientSampleId :
 SB-2-COMP

Tgt Ion:154 Resp: 225332
 Ion Ratio Lower Upper
 154 100
 153 40.1 17.1 57.1
 76 10.3 0.0 31.6



#48
 Acenaphthylene
 Concen: 2.13 ng
 RT: 9.68 min Scan# 664
 Delta R.T. -0.01 min
 Lab File: BF090885.D
 Acq: 27 Oct 2016 23:47

Tgt Ion:152 Resp: 44498
 Ion Ratio Lower Upper
 152 100
 151 27.4 14.6 22.0#
 153 30.9 10.3 15.5#

