

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF122216\
 Data File : BF091887.D
 Acq On : 22 Dec 2016 15:47
 Operator : UM/SJ
 Sample : H6182-05
 Misc :
 ALS Vial : 54 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SB-51(11.5-13.5)-121916

Quant Time: Dec 23 00:37:06 2016
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF122116.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Dec 21 16:17:51 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.75	152	305527	20.00	ng	0.00
21) Naphthalene-d8	8.04	136	1055015	20.00	ng	0.00
38) Acenaphthene-d10	9.80	164	468589	20.00	ng	0.01
63) Phenanthrene-d10	11.28	188	645911	20.00	ng	0.01
75) Chrysene-d12	13.91	240	544989	20.00	ng	0.00
86) Perylene-d12	15.31	264	518532	20.00	ng	0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.41	112	2419861	132.25	ng	0.07
7) Phenol-d6	6.46	99	3098883	138.71	ng	0.06
23) Nitrobenzene-d5	7.32	82	1899581	100.12	ng	0.00
41) 2,4,6-Tribromophenol	10.59	330	389737	100.50	ng	0.01
44) 2-Fluorobiphenyl	9.13	172	2763880	127.27	ng	0.01
78) Terphenyl-d14	12.87	244	1636940	72.85	ng	0.01

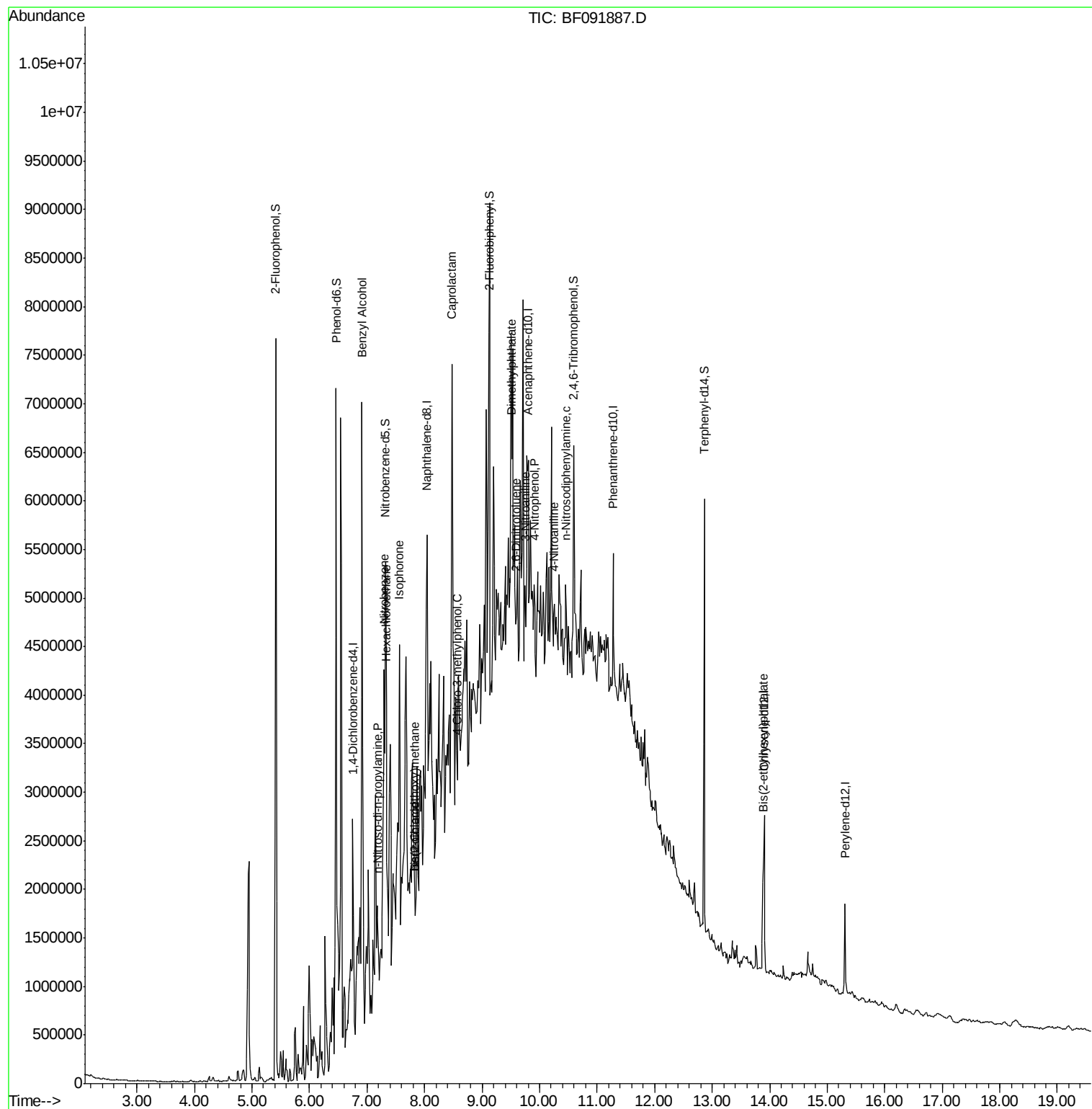
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
15) Benzyl Alcohol	6.91	79	49349	2.84	ng	# 44
18) Hexachloroethane	7.33	117	252346	30.10	ng	# 45
19) n-Nitroso-di-n-propylamine	7.18	70	69033	4.64	ng	# 61
24) Nitrobenzene	7.30	77	94314	4.67	ng	# 40
25) Isophorone	7.56	82	219522	6.27	ng	# 1
28) bis(2-Chloroethoxy)methane	7.84	93	43862	2.07	ng	# 1
32) Benzoic acid	7.84	122	24945	2.03	ng	# 16
35) Caprolactam	8.48	113	144701	31.46	ng	# 1
36) 4-Chloro-3-methylphenol	8.57	107	52699	3.27	ng	# 25
49) Dimethylphthalate	9.52	163	335716	11.20	ng	# 88
50) 2,6-Dinitrotoluene	9.60	165	35136	5.36	ng	# 57
52) 3-Nitroaniline	9.74	138	45839	5.65	ng	# 18
55) 4-Nitrophenol	9.90	139	12129	2.20	ng	# 1
61) 4-Nitroaniline	10.25	138	41543	4.94	ng	# 90
65) n-Nitrosodiphenylamine	10.45	169	139329	7.27	ng	# 44
73) Di-n-butylphthalate	11.85	149	24531	Below Cal		# 51
74) Fluoranthene	12.49	202	25647	Below Cal		# 74
76) Benzidine	12.57	184	4936	Below Cal		# 1
83) Bis(2-ethylhexyl)phthalate	13.89	149	665152	31.06	ng	# 94

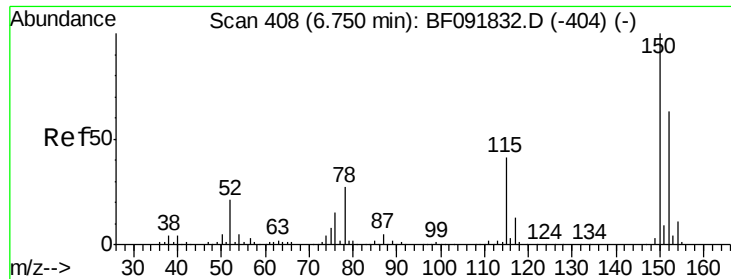
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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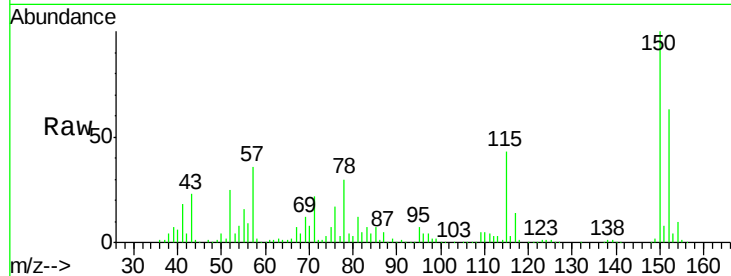


#1

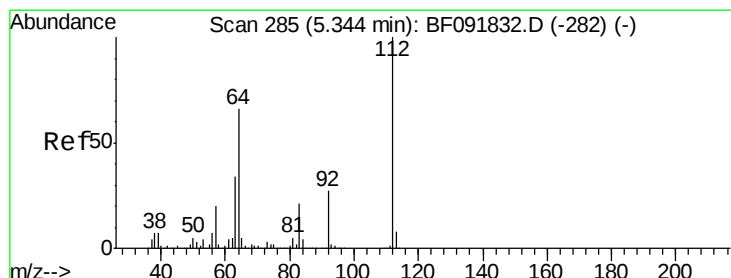
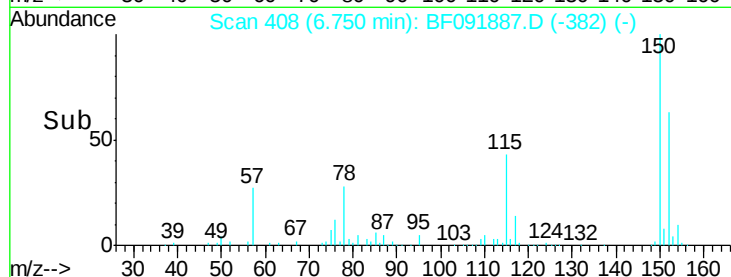
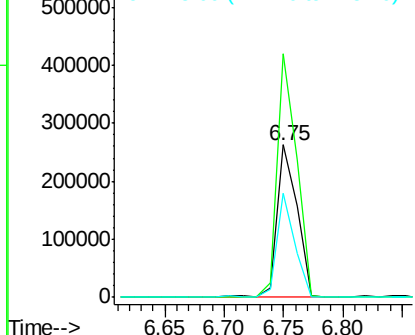
1,4-Dichlorobenzene-d4
 Concen: 20.00 ng
 RT: 6.75 min Scan# 408
 Delta R.T. -0.00 min
 Lab File: BF091887.D
 Acq: 22 Dec 2016 15:47

Instrument :
 BNA_F
 ClientSampleId :
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Tgt Ion:152 Resp: 305527
 Ion Ratio Lower Upper
 152 100
 150 159.5 124.9 187.3
 115 68.0 46.0 69.0



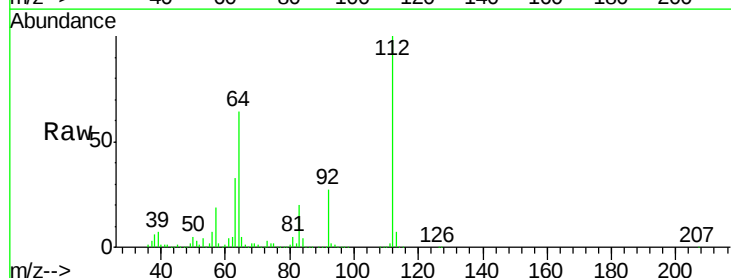
Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E



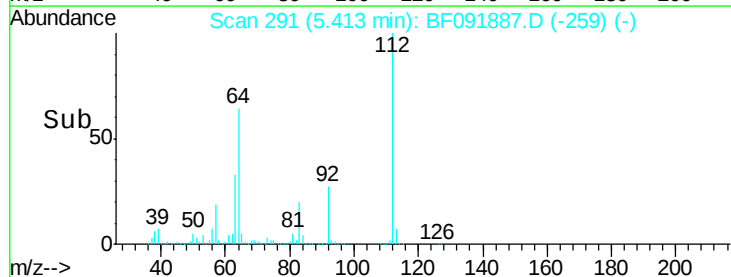
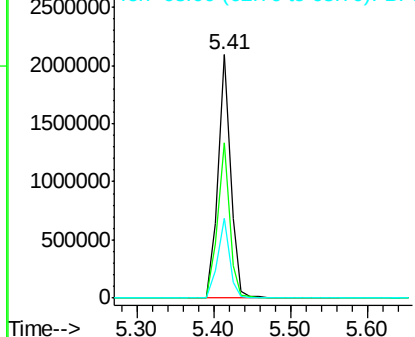
#5

2-Fluorophenol
 Concen: 132.25 ng
 RT: 5.41 min Scan# 291
 Delta R.T. 0.07 min
 Lab File: BF091887.D
 Acq: 22 Dec 2016 15:47

Tgt Ion:112 Resp: 2419861
 Ion Ratio Lower Upper
 112 100
 64 63.6 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





#7

Phenol-d6

Concen: 138.71 ng

RT: 6.46 min Scan# 383

Delta R.T. 0.06 min

Lab File: BF091887.D

Acq: 22 Dec 2016 15:47

Instrument :

BNA_F

ClientSampleId :

SB-51(11.5-13.5)-121916

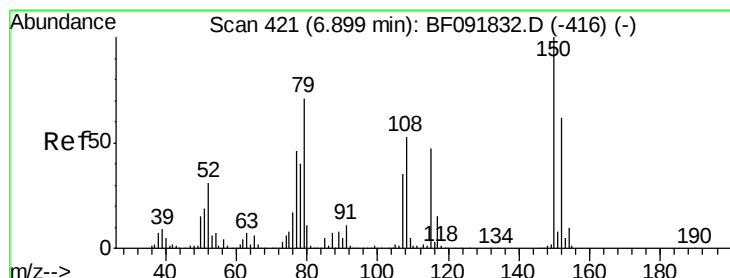
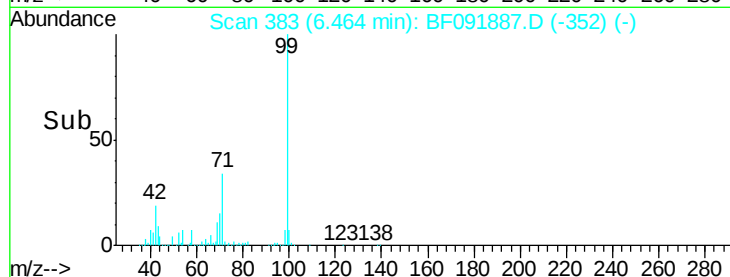
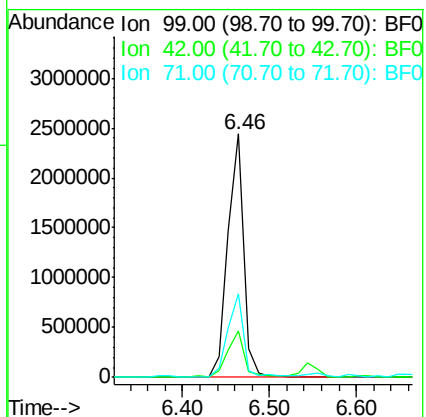
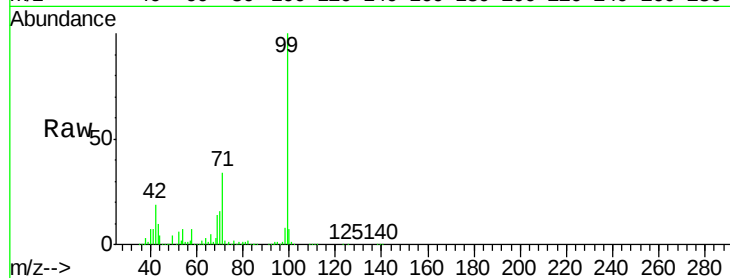
Tgt Ion: 99 Resp: 3098883

Ion Ratio Lower Upper

99 100

42 18.9 15.6 23.4

71 34.4 27.5 41.3



#15

Benzyl Alcohol

Concen: 2.84 ng

RT: 6.91 min Scan# 422

Delta R.T. 0.01 min

Lab File: BF091887.D

Acq: 22 Dec 2016 15:47

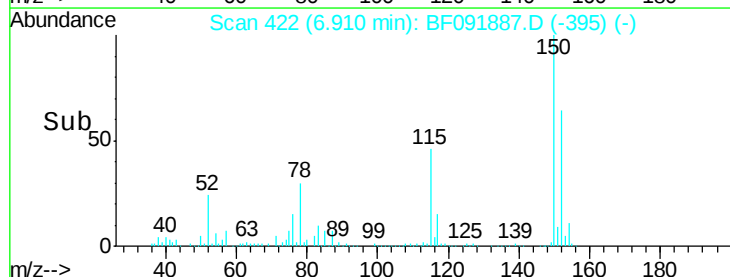
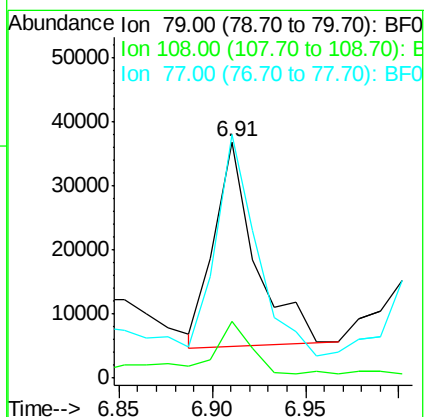
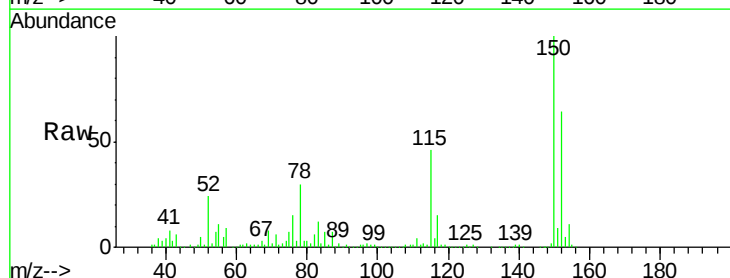
Tgt Ion: 79 Resp: 49349

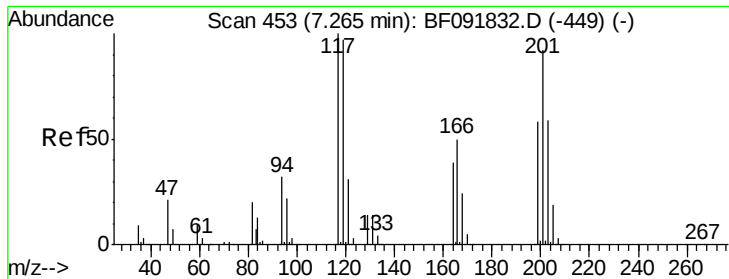
Ion Ratio Lower Upper

79 100

108 23.8 61.4 92.0#

77 103.0 50.9 76.3#





#18

Hexachloroethane

Concen: 30.10 ng

RT: 7.33 min Scan# 459

Delta R.T. 0.07 min

Lab File: BF091887.D

Acq: 22 Dec 2016 15:47

Instrument :

BNA_F

ClientSampleId :

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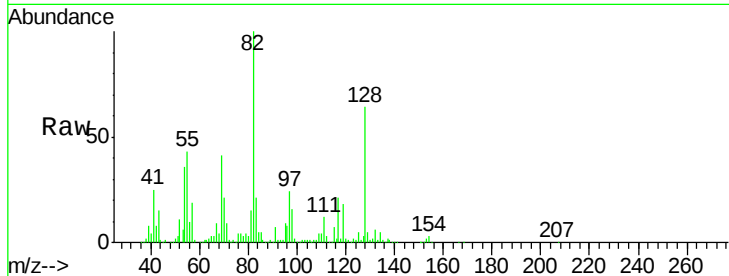
Tgt Ion:117 Resp: 252346

Ion Ratio Lower Upper

117 100

119 86.4 78.1 117.1

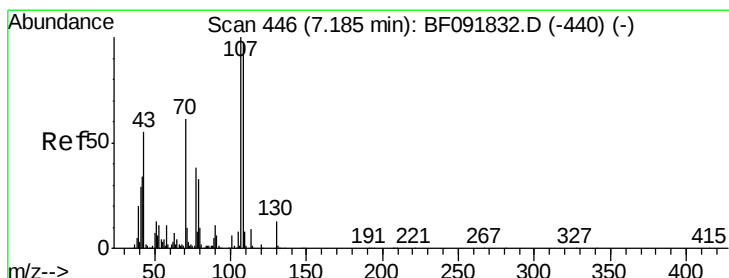
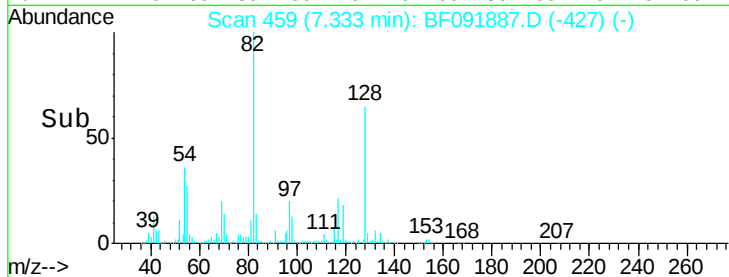
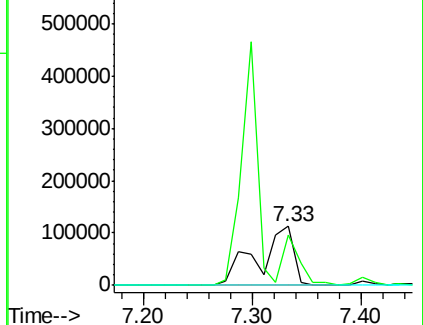
201 0.0 78.6 117.8#



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



#19

n-Nitroso-di-n-propylamine

Concen: 4.64 ng

RT: 7.18 min Scan# 446

Delta R.T. -0.00 min

Lab File: BF091887.D

Acq: 22 Dec 2016 15:47

Tgt Ion: 70 Resp: 69033

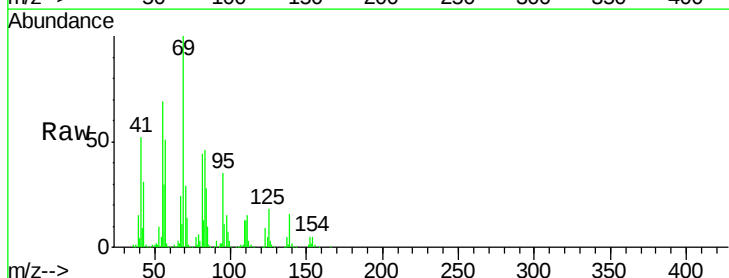
Ion Ratio Lower Upper

70 100

42 30.8 49.4 74.0#

101 0.0 7.4 11.2#

130 0.0 14.2 21.4#

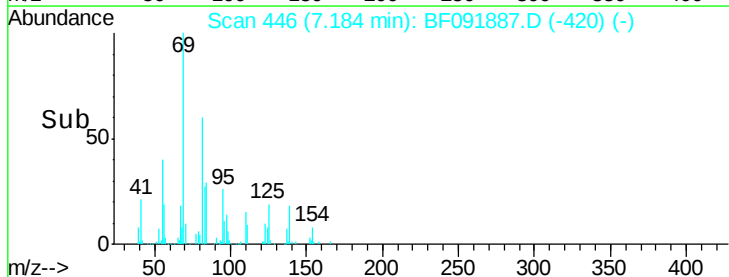
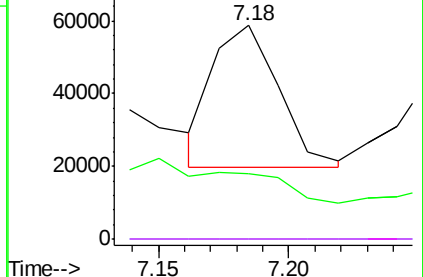


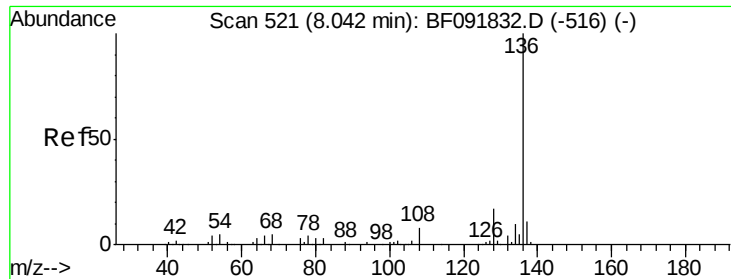
Abundance Ion 70.00 (69.70 to 70.70): BF0

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





#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.04 min Scan# 521

Delta R.T. -0.00 min

Lab File: BF091887.D

Acq: 22 Dec 2016 15:47

Instrument :

BNA_F

ClientSampleId :

SB-51(11.5-13.5)-121916

Tgt Ion:136 Resp: 1055015

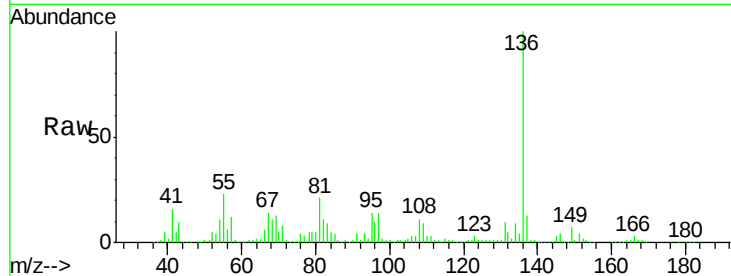
Ion Ratio Lower Upper

136 100

137 12.7 8.4 12.6#

54 10.7 4.5 6.7#

68 10.7 3.6 5.4#

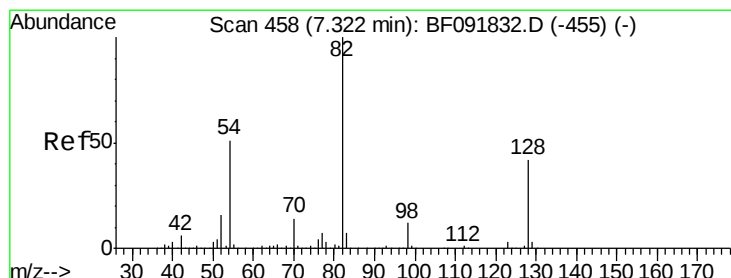
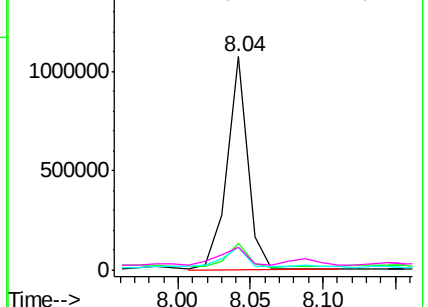
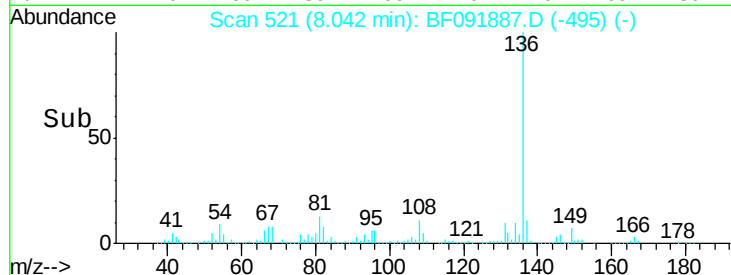


Abundance Ion 136.00 (135.70 to 136.70): E

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: 100.12 ng

RT: 7.32 min Scan# 458

Delta R.T. -0.00 min

Lab File: BF091887.D

Acq: 22 Dec 2016 15:47

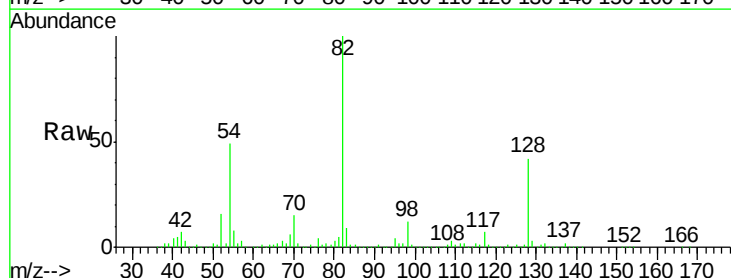
Tgt Ion: 82 Resp: 1899581

Ion Ratio Lower Upper

82 100

128 41.6 34.6 52.0

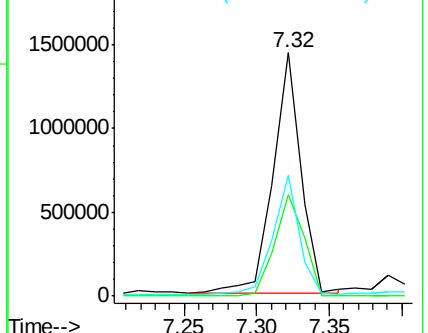
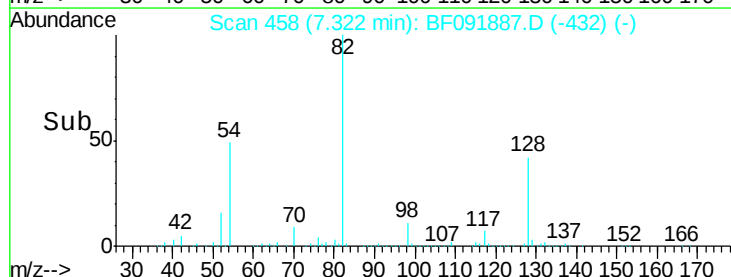
54 49.4 39.5 59.3

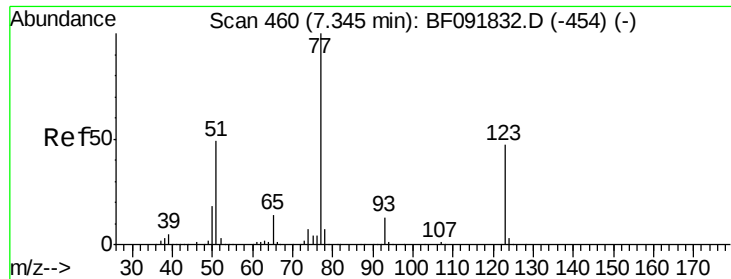


Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF0

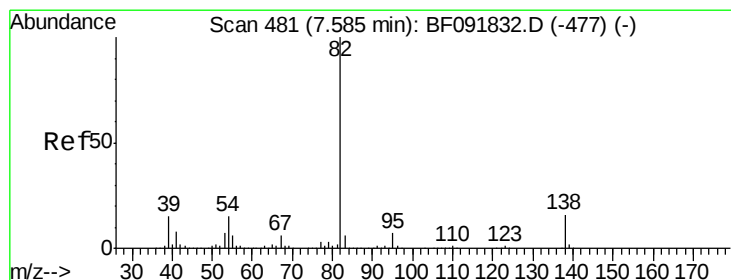
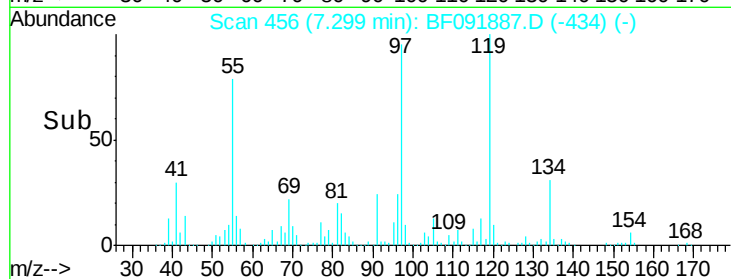
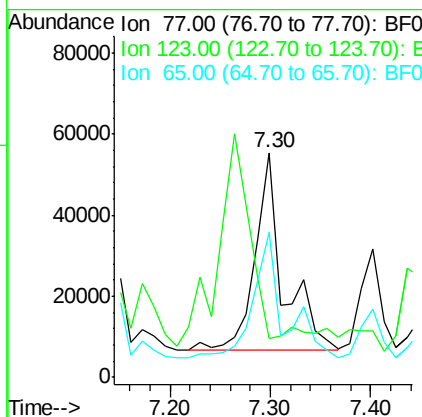
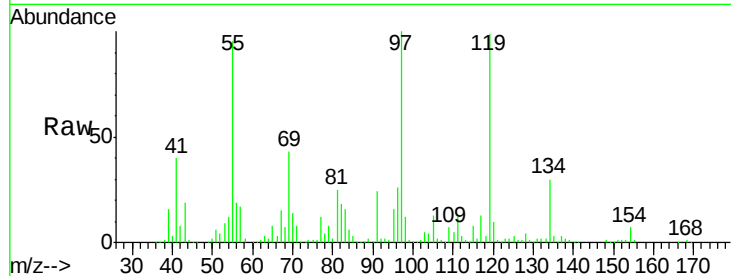




#24
 Nitrobenzene
 Concen: 4.67 ng
 RT: 7.30 min Scan# 456
 Delta R.T. -0.05 min
 Lab File: BF091887.D
 Acq: 22 Dec 2016 15:47

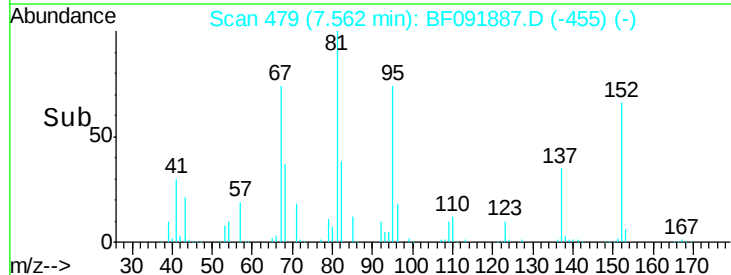
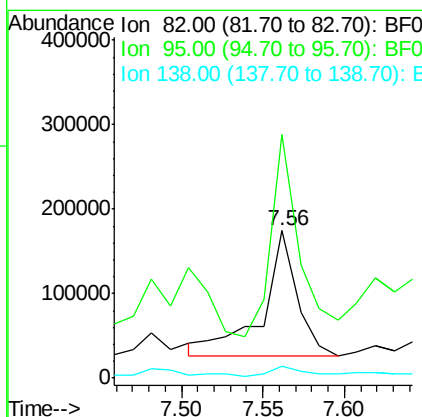
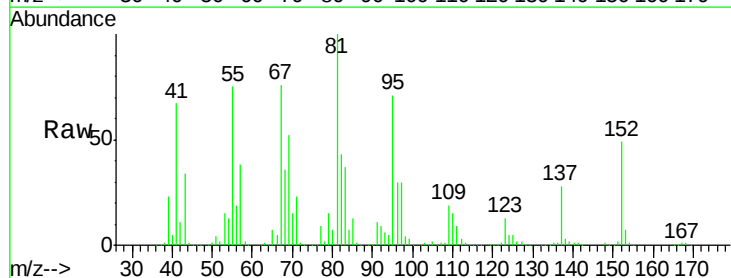
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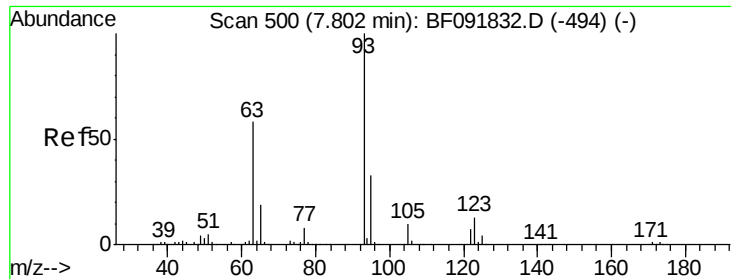
Tgt Ion: 77 Resp: 94314
 Ion Ratio Lower Upper
 77 100
 123 17.1 33.0 49.4#
 65 64.6 11.2 16.8#



#25
 Isophorone
 Concen: 6.27 ng
 RT: 7.56 min Scan# 479
 Delta R.T. -0.02 min
 Lab File: BF091887.D
 Acq: 22 Dec 2016 15:47

Tgt Ion: 82 Resp: 219522
 Ion Ratio Lower Upper
 82 100
 95 165.0 5.6 8.4#
 138 8.0 14.6 22.0#

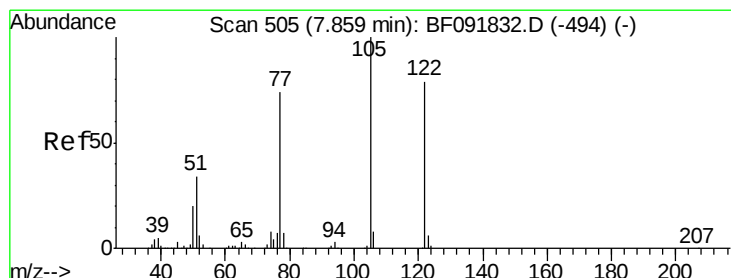
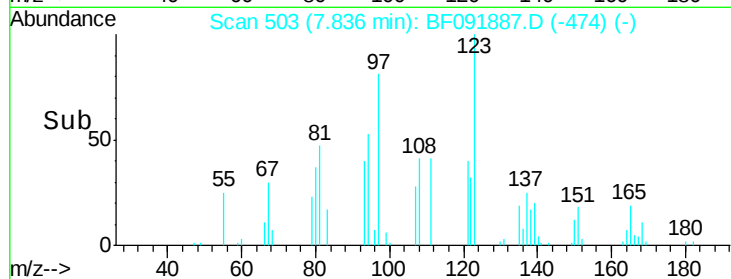
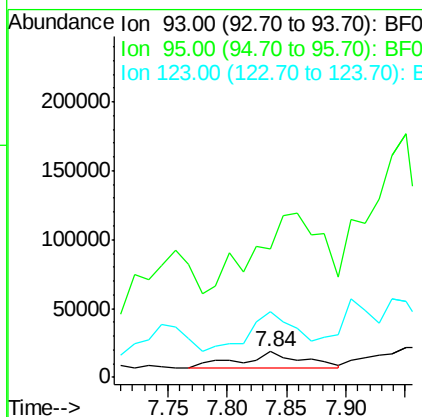
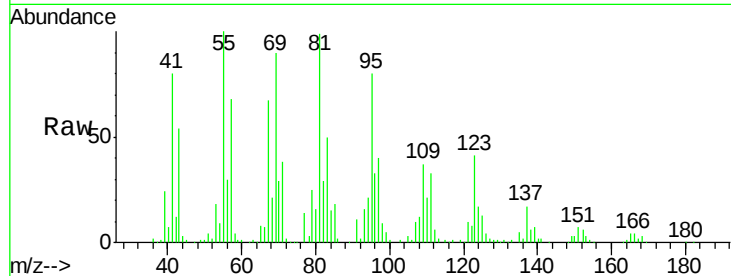




#28
bis(2-Chloroethoxy)methane
Concen: 2.07 ng
RT: 7.84 min Scan# 503
Delta R.T. 0.03 min
Lab File: BF091887.D
Acq: 22 Dec 2016 15:47

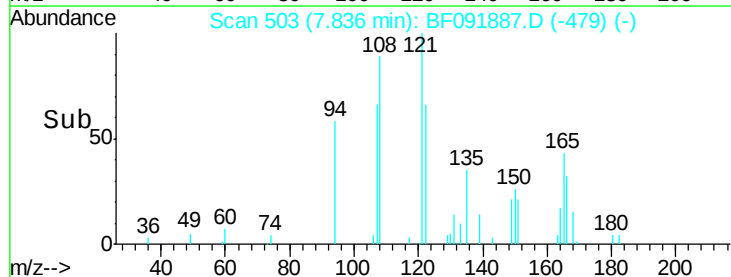
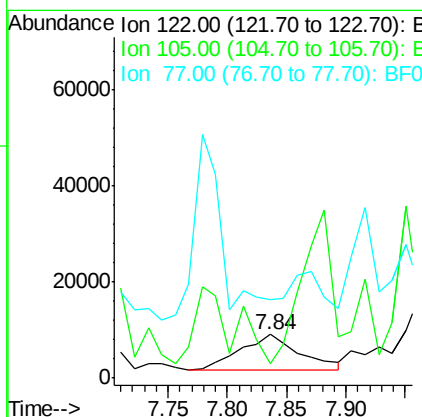
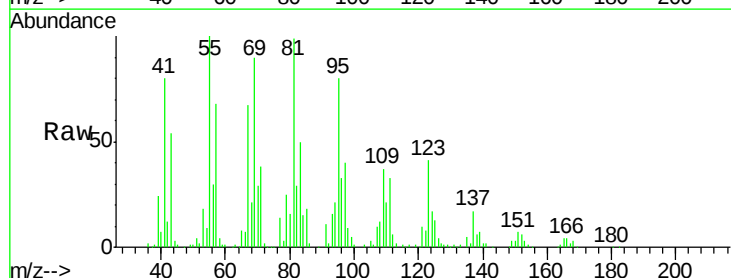
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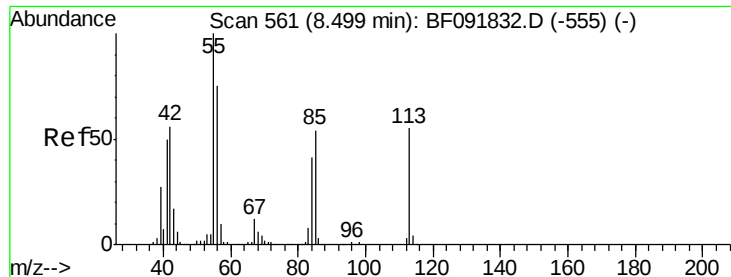
Tgt Ion: 93 Resp: 43862
Ion Ratio Lower Upper
93 100
95 494.4 26.5 39.7#
123 254.1 8.6 13.0#



#32
Benzoic acid
Concen: 2.03 ng
RT: 7.84 min Scan# 503
Delta R.T. -0.02 min
Lab File: BF091887.D
Acq: 22 Dec 2016 15:47

Tgt Ion: 122 Resp: 24945
Ion Ratio Lower Upper
122 100
105 32.5 107.2 147.2#
77 178.8 74.5 114.5#





#35

Caprolactam

Concen: 31.46 ng

RT: 8.48 min Scan# 559

Delta R.T. -0.02 min

Lab File: BF091887.D

Acq: 22 Dec 2016 15:47

Instrument :

BNA_F

ClientSampleId :

SB-51(11.5-13.5)-121916

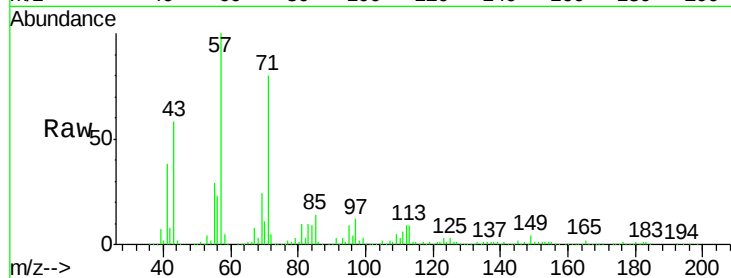
Tgt Ion:113 Resp: 144701

Ion Ratio Lower Upper

113 100

55 305.3 119.2 159.2#

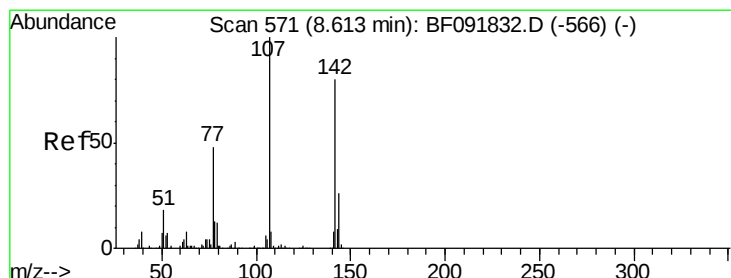
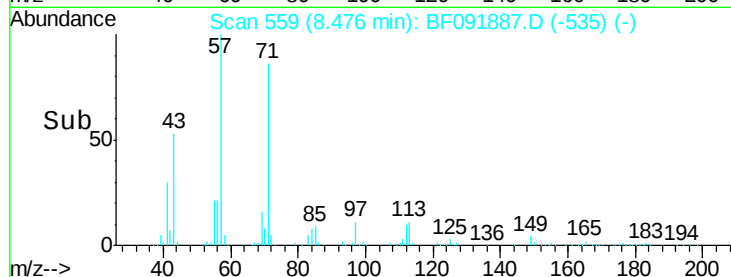
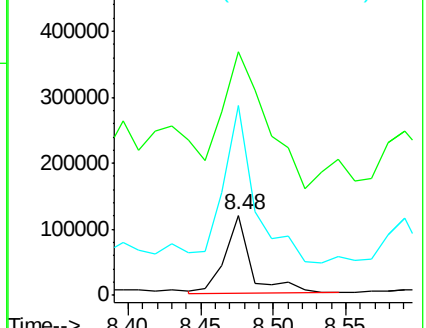
56 237.7 83.8 123.8#



Abundance Ion 113.00 (112.70 to 113.70): E

Ion 55.00 (54.70 to 55.70): BF0

Ion 56.00 (55.70 to 56.70): BF0



#36

4-Chloro-3-methylphenol

Concen: 3.27 ng

RT: 8.57 min Scan# 567

Delta R.T. -0.05 min

Lab File: BF091887.D

Acq: 22 Dec 2016 15:47

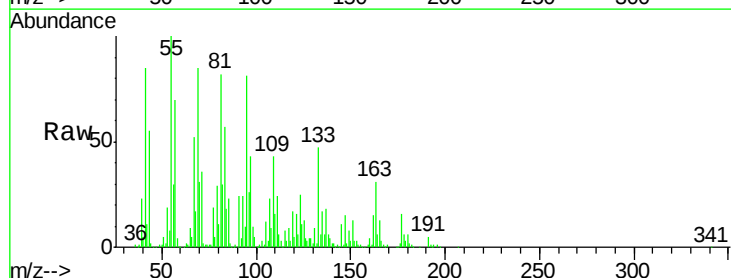
Tgt Ion:107 Resp: 52699

Ion Ratio Lower Upper

107 100

144 1.7 19.3 28.9#

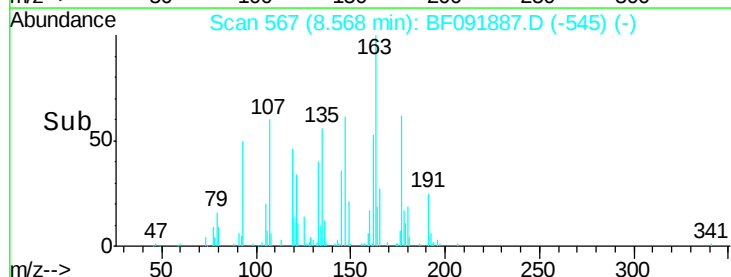
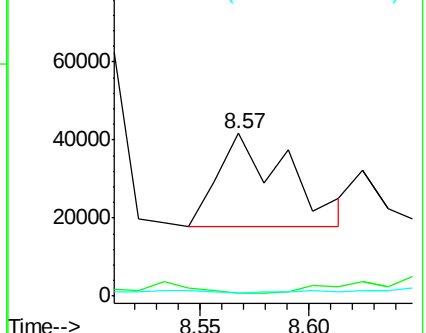
142 1.8 59.0 88.6#

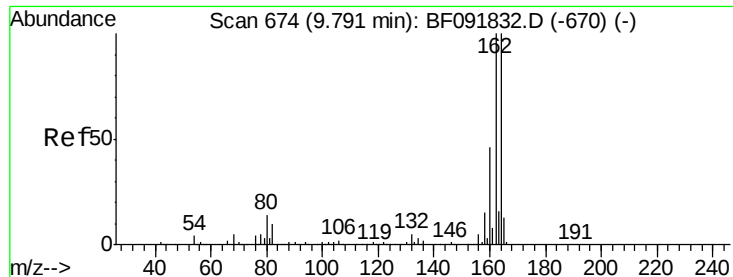


Abundance Ion 107.00 (106.70 to 107.70): E

Ion 144.00 (143.70 to 144.70): E

Ion 142.00 (141.70 to 142.70): E





#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.80 min Scan# 675

Delta R.T. 0.01 min

Lab File: BF091887.D

Acq: 22 Dec 2016 15:47

Instrument :

BNA_F

ClientSampleId :

SB-51(11.5-13.5)-121916

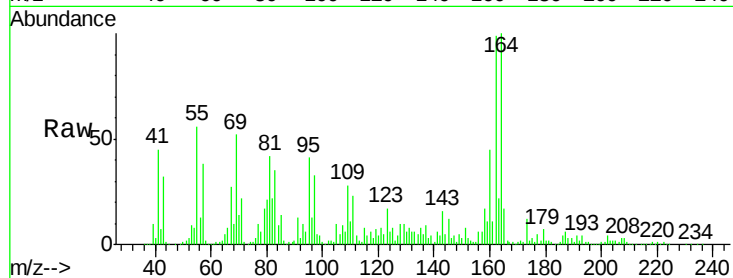
Tgt Ion:164 Resp: 468589

Ion Ratio Lower Upper

164 100

162 99.5 80.2 120.2

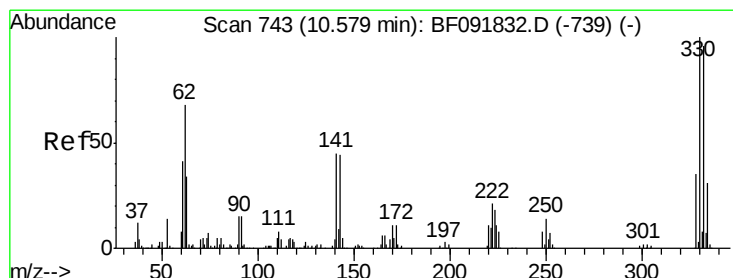
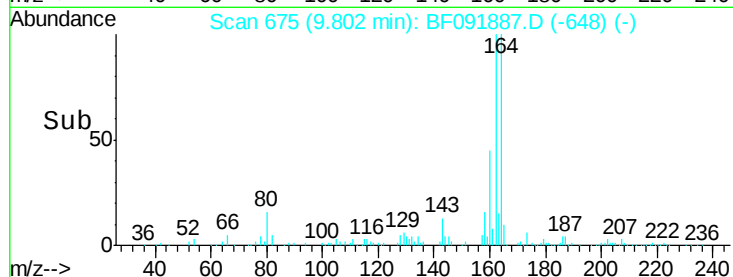
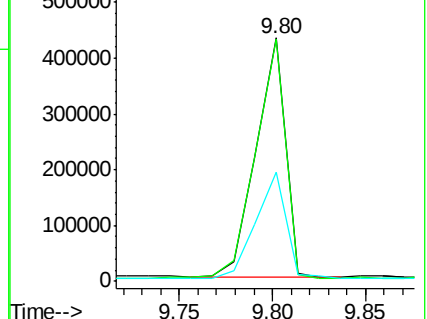
160 45.1 36.9 55.3



Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E



#41

2,4,6-Tribromophenol

Concen: 100.50 ng

RT: 10.59 min Scan# 744

Delta R.T. 0.01 min

Lab File: BF091887.D

Acq: 22 Dec 2016 15:47

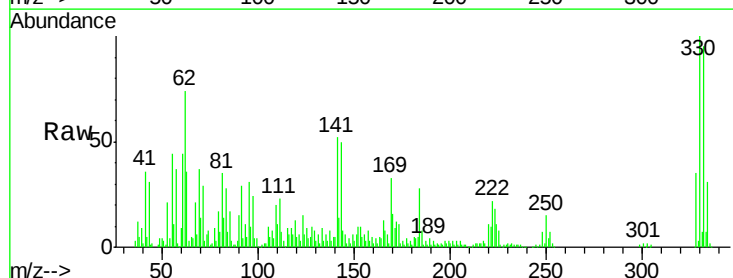
Tgt Ion:330 Resp: 389737

Ion Ratio Lower Upper

330 100

332 96.5 77.4 116.2

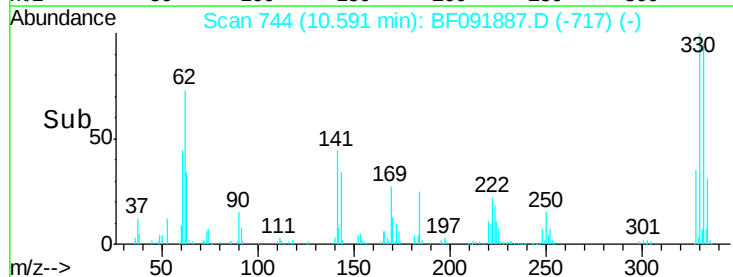
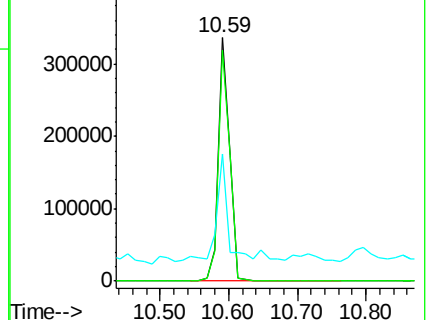
141 44.0 34.1 51.1

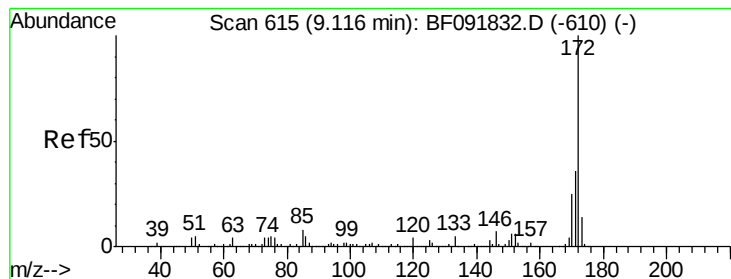


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

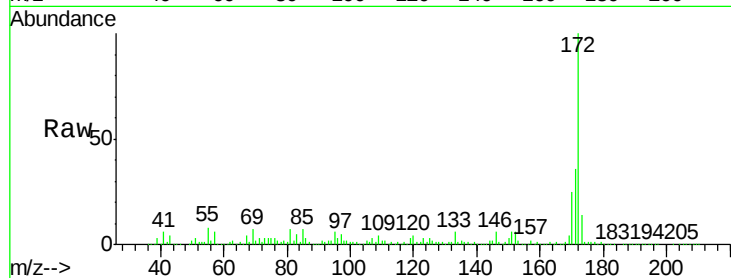




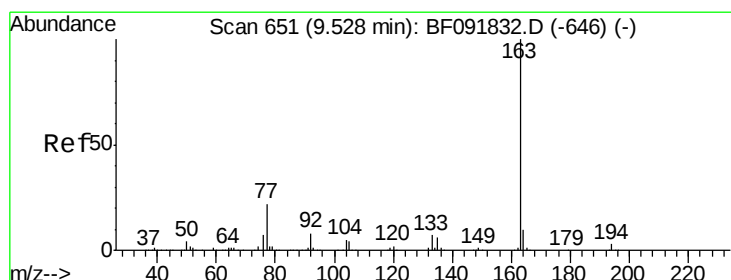
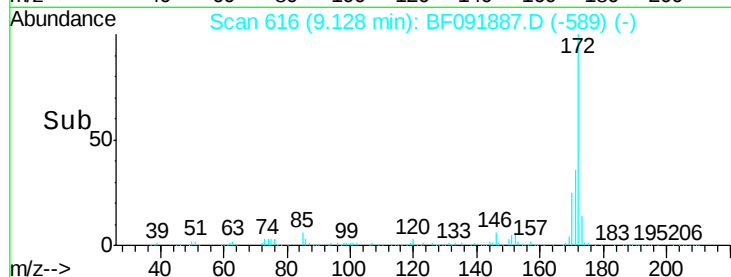
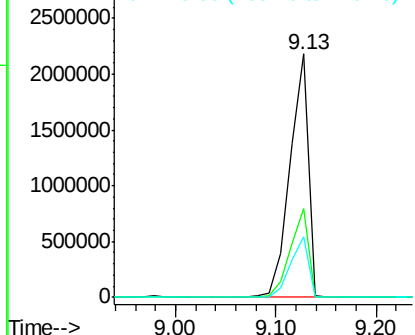
#44
 2-Fluorobiphenyl
 Concen: 127.27 ng
 RT: 9.13 min Scan# 616
 Delta R.T. 0.01 min
 Lab File: BF091887.D
 Acq: 22 Dec 2016 15:47

Instrument :
 BNA_F
 ClientSampleId :
 SB-51(11.5-13.5)-121916

Tgt Ion:172 Resp: 2763880
 Ion Ratio Lower Upper
 172 100
 171 36.3 29.4 44.0
 170 25.1 20.2 30.4

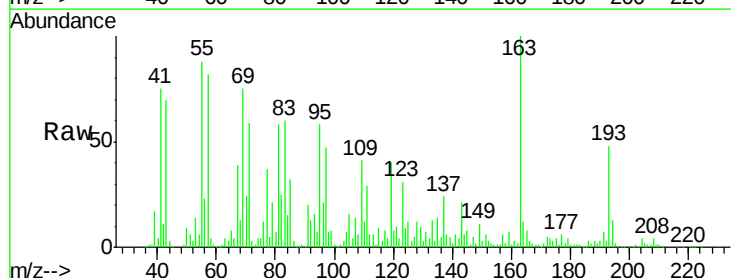


Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E

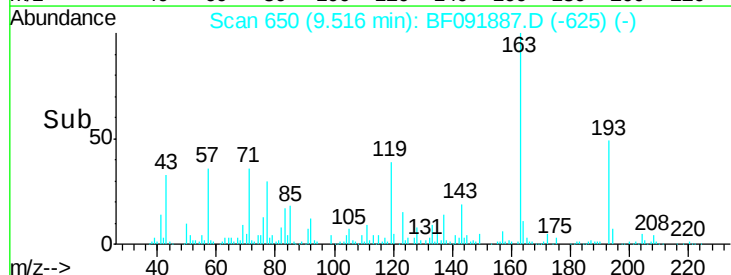
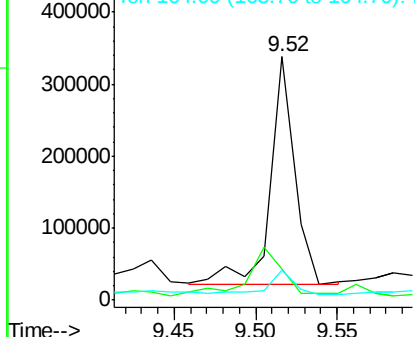


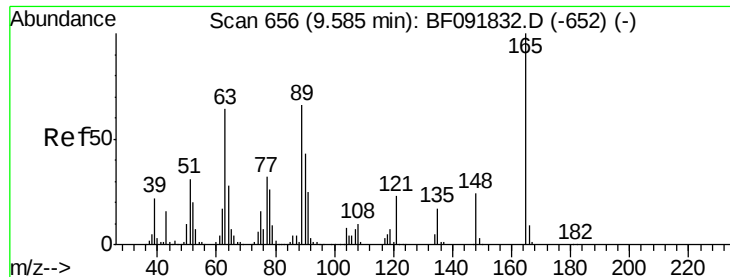
#49
 Dimethylphthalate
 Concen: 11.20 ng
 RT: 9.52 min Scan# 650
 Delta R.T. -0.01 min
 Lab File: BF091887.D
 Acq: 22 Dec 2016 15:47

Tgt Ion:163 Resp: 335716
 Ion Ratio Lower Upper
 163 100
 194 12.6 3.0 4.4#
 164 12.4 8.0 12.0#



Abundance Ion 163.00 (162.70 to 163.70): E
 Ion 194.00 (193.70 to 194.70): E
 Ion 164.00 (163.70 to 164.70): E

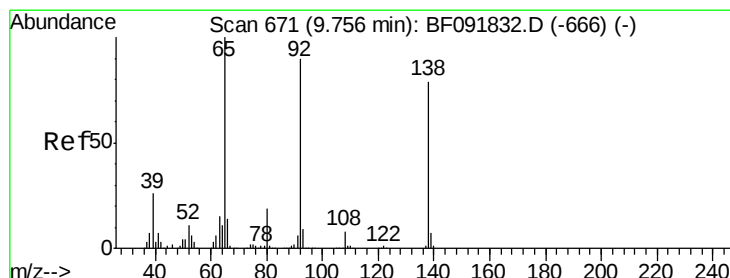
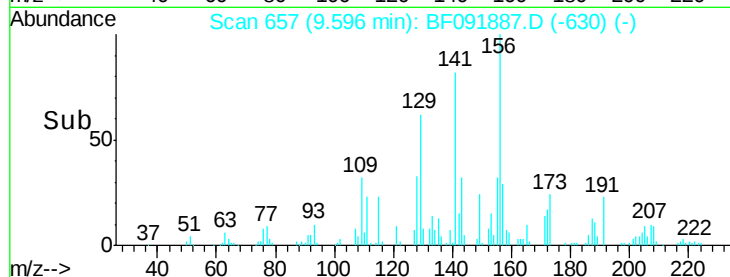
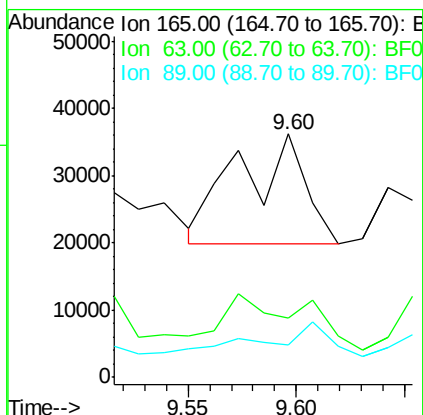
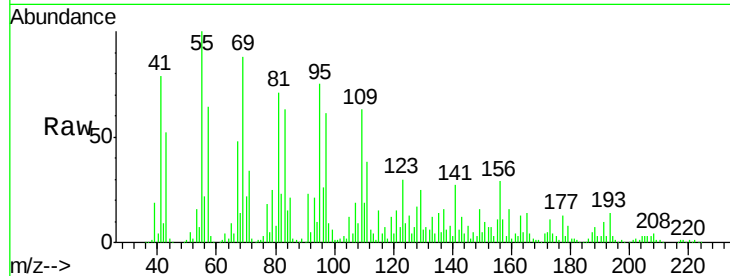




#50
2,6-Dinitrotoluene
Concen: 5.36 ng
RT: 9.60 min Scan# 657
Delta R.T. 0.01 min
Lab File: BF091887.D
Acq: 22 Dec 2016 15:47

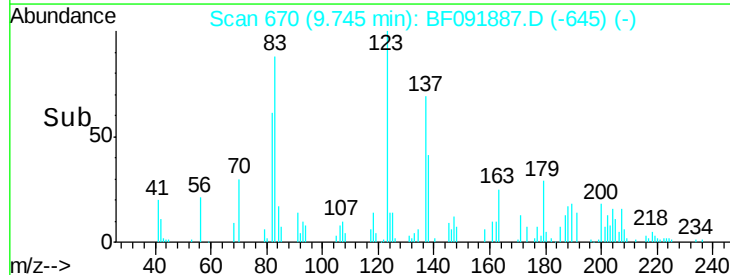
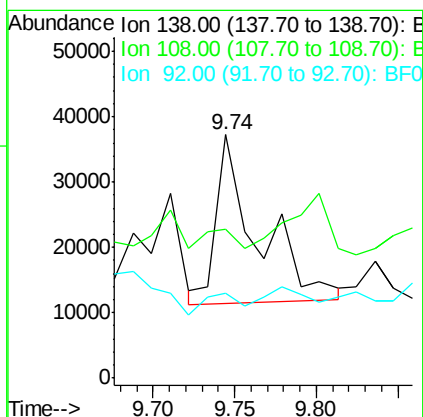
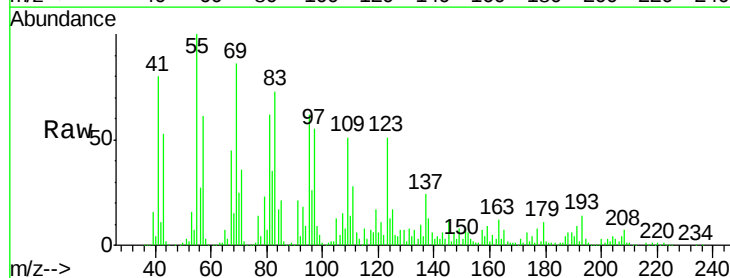
Instrument :
BNA_F
ClientSampleId :
SB-51(11.5-13.5)-121916

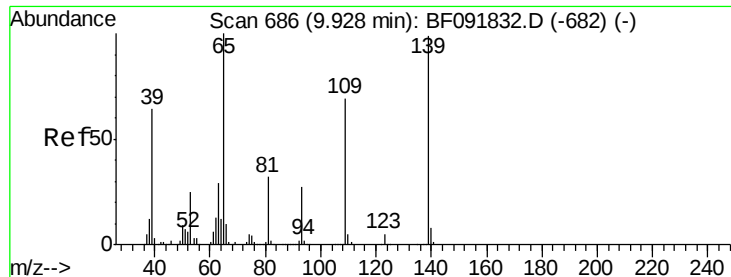
Tgt Ion:165 Resp: 35136
Ion Ratio Lower Upper
165 100
63 24.2 36.2 54.4#
89 13.3 40.2 60.4#



#52
3-Nitroaniline
Concen: 5.65 ng
RT: 9.74 min Scan# 670
Delta R.T. -0.01 min
Lab File: BF091887.D
Acq: 22 Dec 2016 15:47

Tgt Ion:138 Resp: 45839
Ion Ratio Lower Upper
138 100
108 61.3 8.5 12.7#
92 35.1 97.8 146.8#





#55

4-Nitrophenol

Concen: 2.20 ng

RT: 9.90 min Scan# 684

Delta R.T. -0.02 min

Lab File: BF091887.D

Acq: 22 Dec 2016 15:47

Instrument :

BNA_F

ClientSampleId :

SB-51(11.5-13.5)-121916

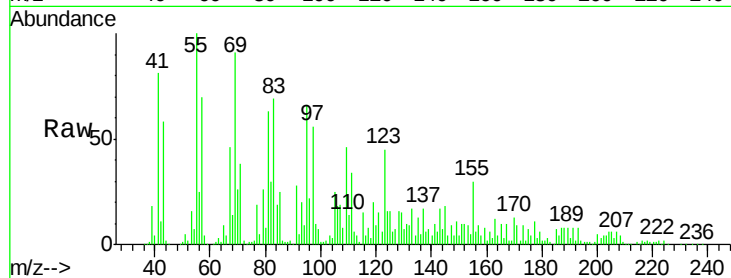
Tgt Ion:139 Resp: 12129

Ion Ratio Lower Upper

139 100

109 653.7 52.2 92.2#

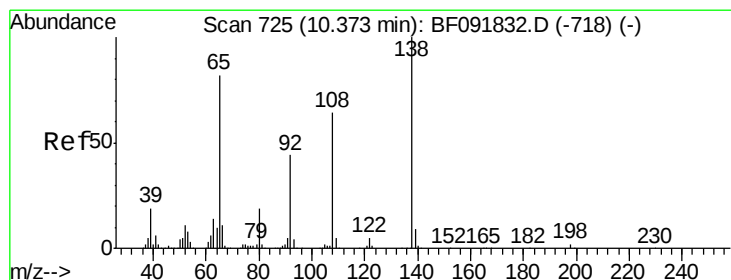
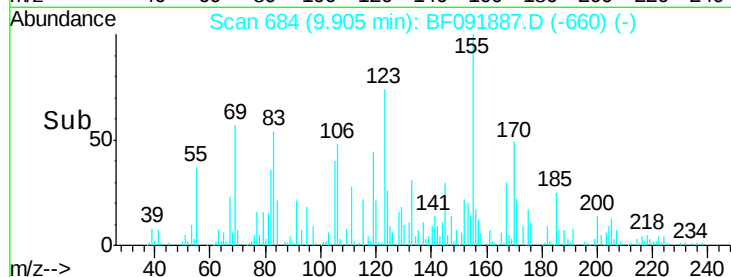
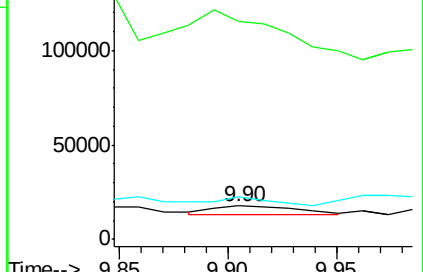
65 127.1 85.8 125.8#



Abundance Ion 139.00 (138.70 to 139.70): E

Ion 109.00 (108.70 to 109.70): E

Ion 65.00 (64.70 to 65.70): BF0



#61

4-Nitroaniline

Concen: 4.94 ng

RT: 10.25 min Scan# 714

Delta R.T. -0.13 min

Lab File: BF091887.D

Acq: 22 Dec 2016 15:47

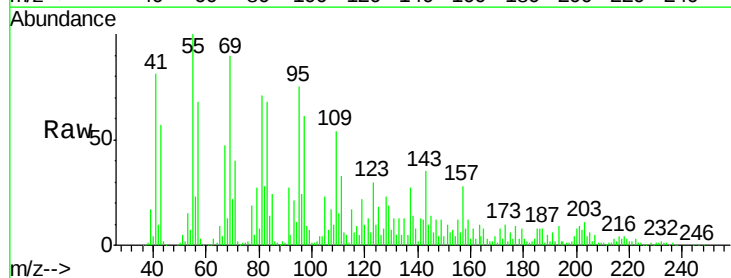
Tgt Ion:138 Resp: 41543

Ion Ratio Lower Upper

138 100

92 37.3 31.7 71.7

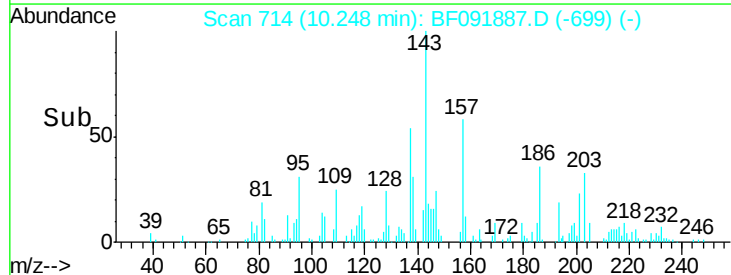
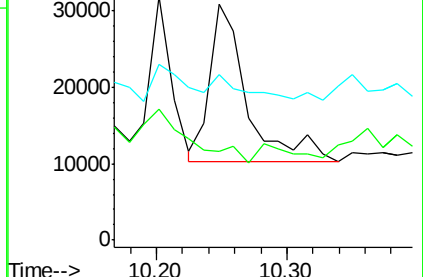
108 69.9 52.6 92.6

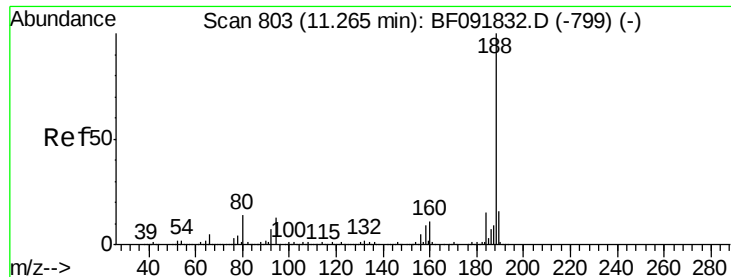


Abundance Ion 138.00 (137.70 to 138.70): E

Ion 92.00 (91.70 to 92.70): BF0

Ion 108.00 (107.70 to 108.70): E

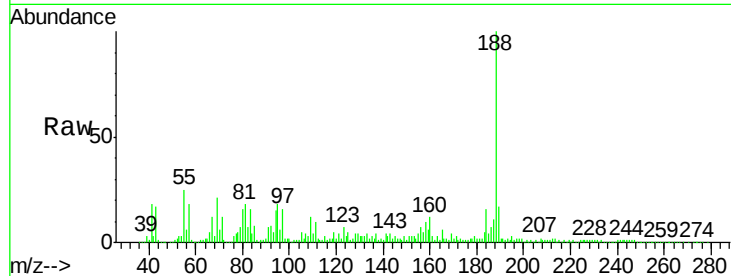




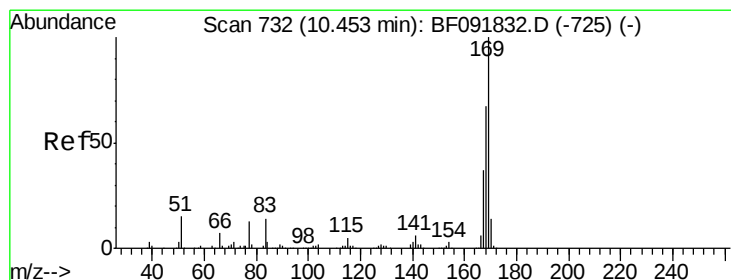
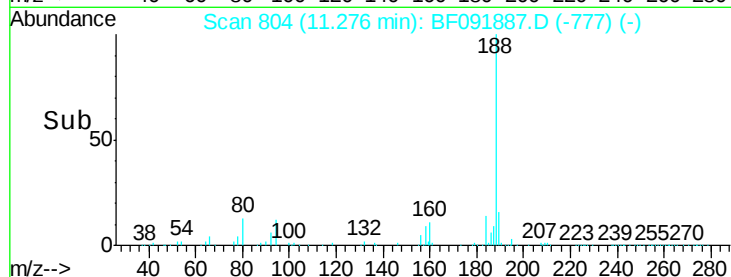
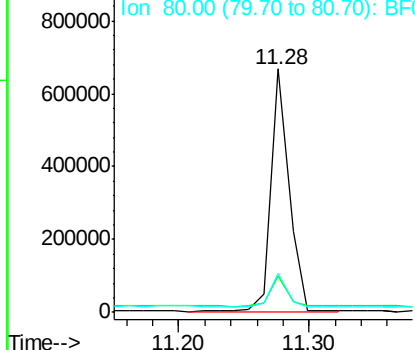
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.28 min Scan# 804
Delta R.T. 0.01 min
Lab File: BF091887.D
Acq: 22 Dec 2016 15:47

Instrument :
BNA_F
ClientSampleId :
SB-51(11.5-13.5)-121916

Tgt Ion:188 Resp: 645911
Ion Ratio Lower Upper
188 100
94 14.7 10.0 15.0
80 15.8 11.2 16.8

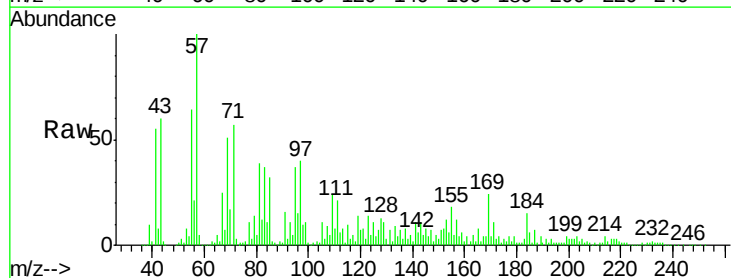


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF0
Ion 80.00 (79.70 to 80.70): BF0

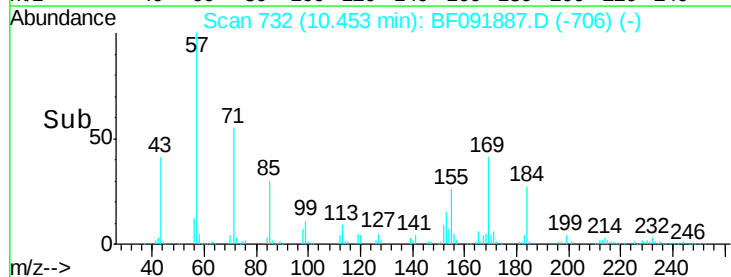
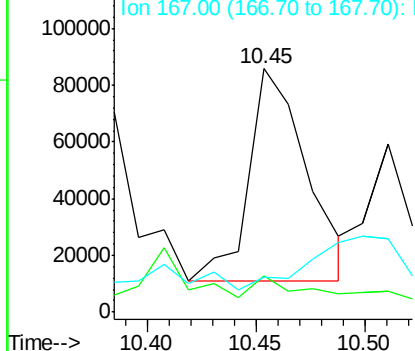


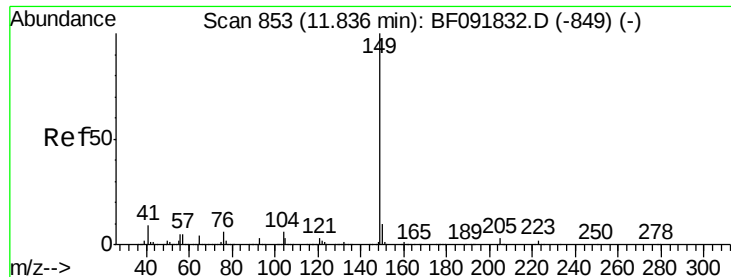
#65
n-Nitrosodiphenylamine
Concen: 7.27 ng
RT: 10.45 min Scan# 732
Delta R.T. -0.00 min
Lab File: BF091887.D
Acq: 22 Dec 2016 15:47

Tgt Ion:169 Resp: 139329
Ion Ratio Lower Upper
169 100
168 15.0 54.2 81.2#
167 14.4 30.2 45.4#



Abundance Ion 169.00 (168.70 to 169.70): E
Ion 168.00 (167.70 to 168.70): E
Ion 167.00 (166.70 to 167.70): E

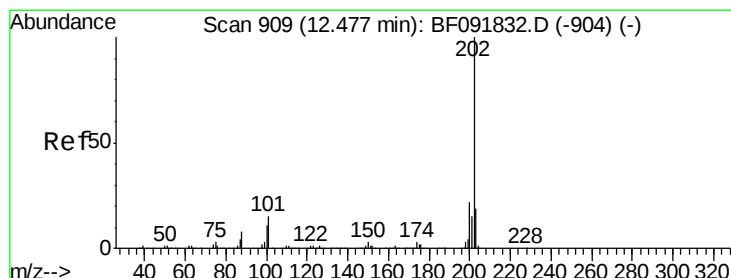
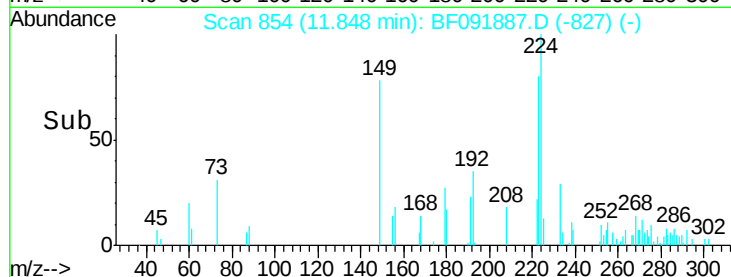
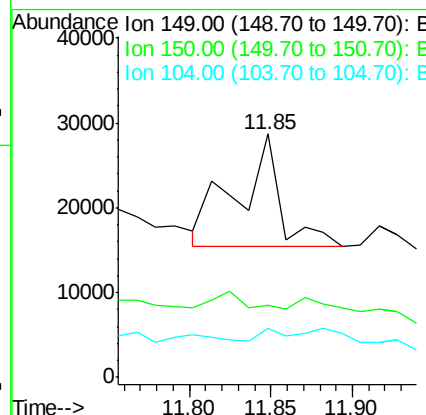
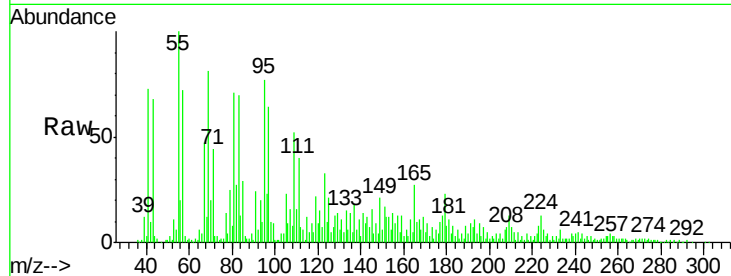




#73
Di-n-butylphthalate
Concen: Below Cal
RT: 11.85 min Scan# 854
Delta R.T. 0.01 min
Lab File: BF091887.D
Acq: 22 Dec 2016 15:47

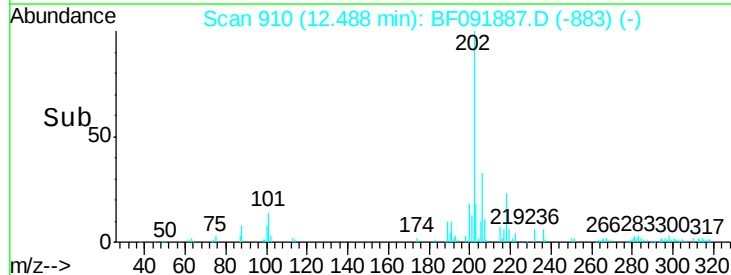
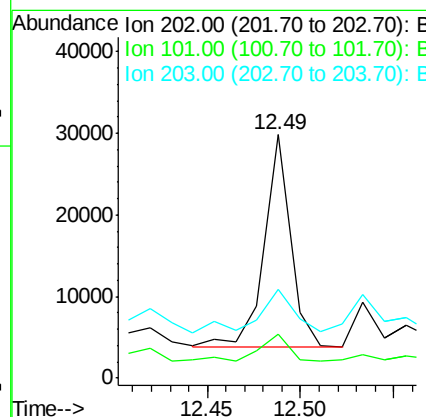
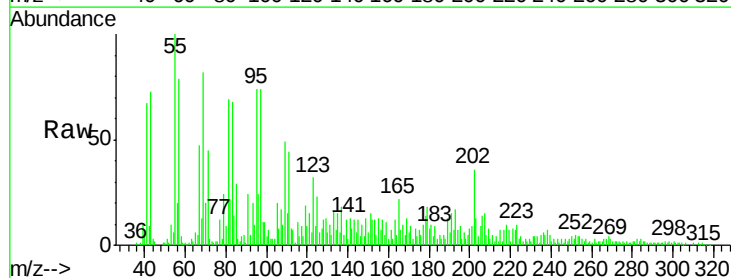
Instrument :
BNA_F
ClientSampleId :
SB-51(11.5-13.5)-121916

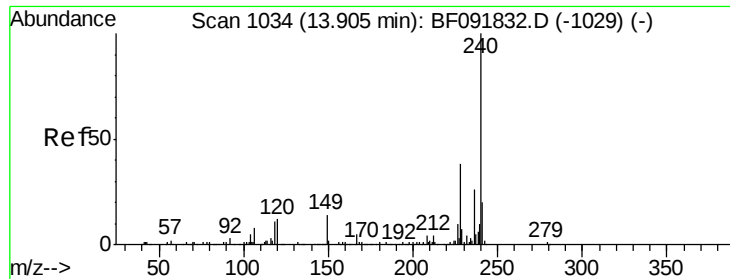
Tgt Ion:149 Resp: 24531
Ion Ratio Lower Upper
149 100
150 29.8 8.1 12.1#
104 20.0 4.6 7.0#



#74
Fluoranthene
Concen: Below Cal
RT: 12.49 min Scan# 910
Delta R.T. 0.01 min
Lab File: BF091887.D
Acq: 22 Dec 2016 15:47

Tgt Ion:202 Resp: 25647
Ion Ratio Lower Upper
202 100
101 18.1 0.0 34.6
203 36.6 0.0 38.7





#75

Chrysene-d12

Concen: 20.00 ng

RT: 13.91 min Scan# 1034

Delta R.T. -0.00 min

Lab File: BF091887.D

Acq: 22 Dec 2016 15:47

Instrument :

BNA_F

ClientSampleId :

SB-51(11.5-13.5)-121916

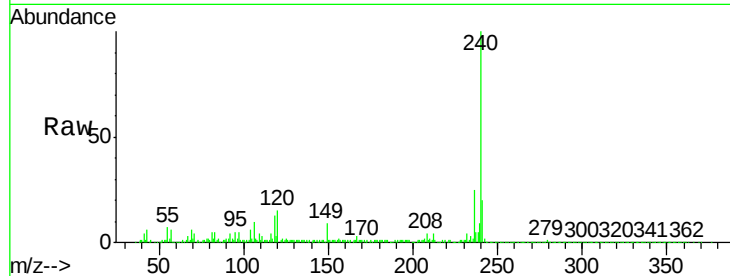
Tgt Ion:240 Resp: 544989

Ion Ratio Lower Upper

240 100

120 14.6 12.9 19.3

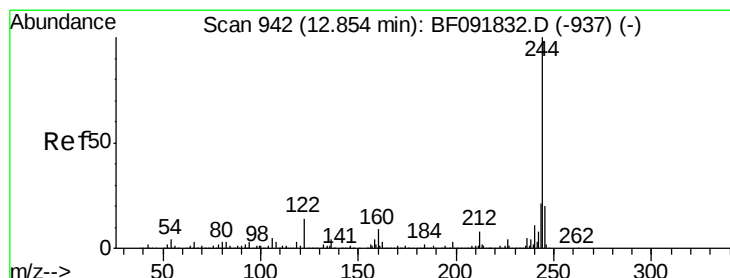
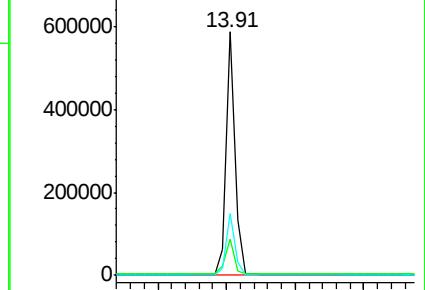
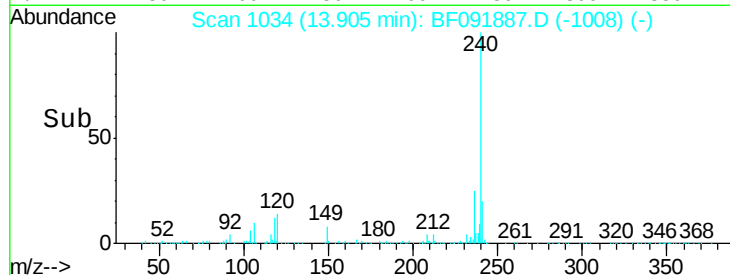
236 25.4 20.9 31.3



Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E



#78

Terphenyl-d14

Concen: 72.85 ng

RT: 12.87 min Scan# 943

Delta R.T. 0.01 min

Lab File: BF091887.D

Acq: 22 Dec 2016 15:47

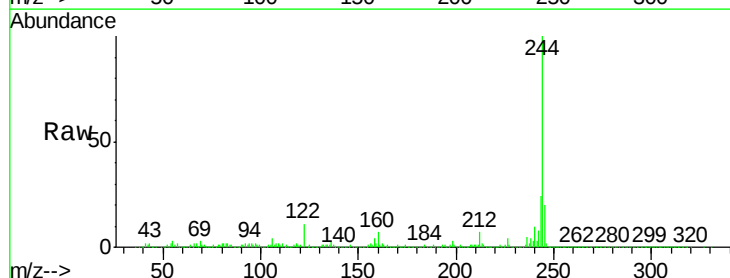
Tgt Ion:244 Resp: 1636940

Ion Ratio Lower Upper

244 100

212 7.1 6.2 9.2

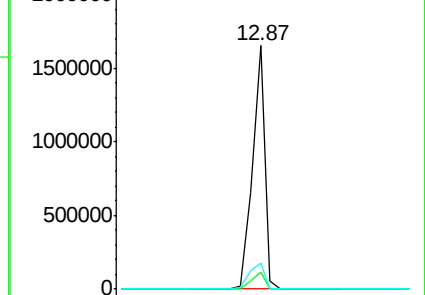
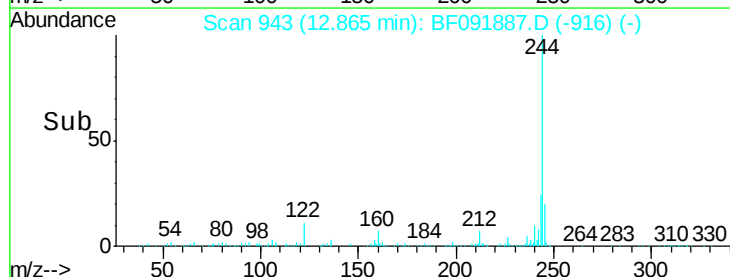
122 10.9 11.4 17.2#

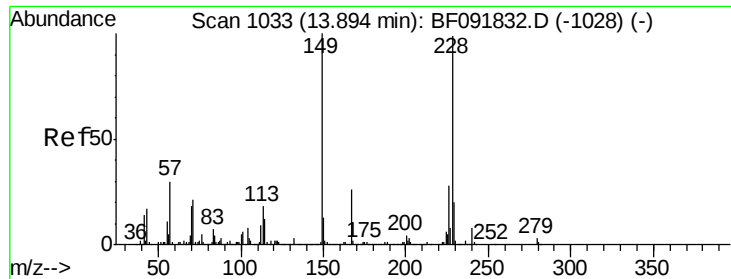


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

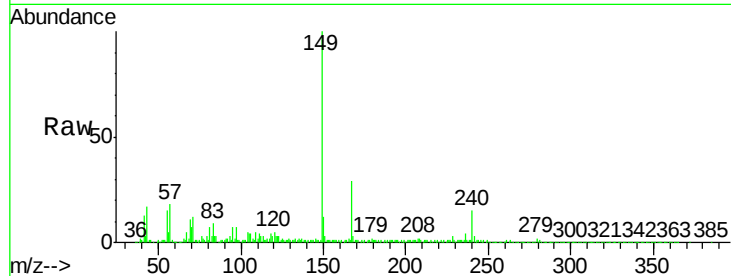




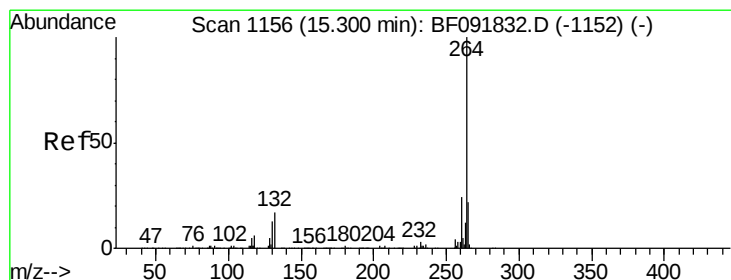
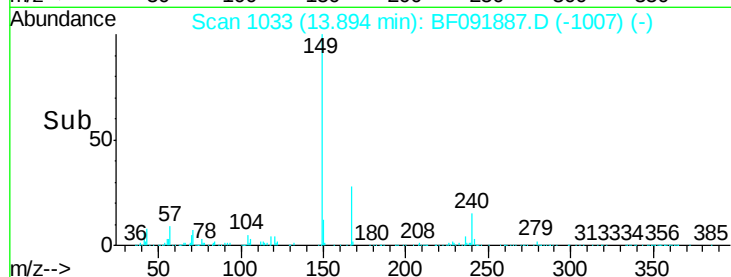
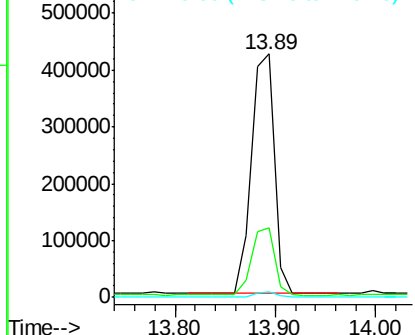
#83
 Bis(2-ethylhexyl)phthalate
 Concen: 31.06 ng
 RT: 13.89 min Scan# 1033
 Delta R.T. -0.00 min
 Lab File: BF091887.D
 Acq: 22 Dec 2016 15:47

Instrument :
 BNA_F
 ClientSampleId :
 SB-51(11.5-13.5)-121916

Tgt Ion:149 Resp: 665152
 Ion Ratio Lower Upper
 149 100
 167 28.6 20.2 30.4
 279 2.2 1.8 2.8

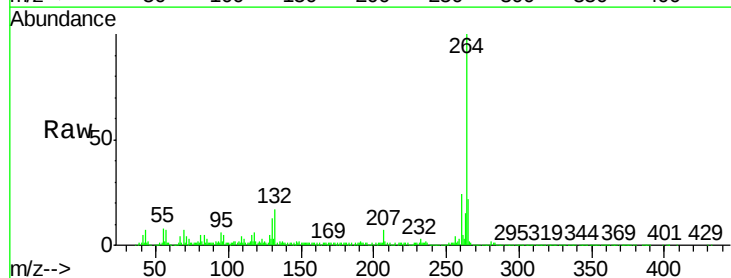


Abundance Ion 149.00 (148.70 to 149.70): E
 Ion 167.00 (166.70 to 167.70): E
 Ion 279.00 (278.70 to 279.70): E



#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 15.31 min Scan# 1157
 Delta R.T. 0.01 min
 Lab File: BF091887.D
 Acq: 22 Dec 2016 15:47

Tgt Ion:264 Resp: 518532
 Ion Ratio Lower Upper
 264 100
 260 23.9 19.2 28.8
 265 21.9 17.4 26.0



Abundance Ion 264.00 (263.70 to 264.70): E
 Ion 260.00 (259.70 to 260.70): E
 Ion 265.00 (264.70 to 265.70): E

