

Data Path : U:\HPCHEM1\BNA F\DATA\BF012018\
 Data File : BF102280.D
 Acq On : 20 Jan 2018 23:56
 Operator : SJ/JU
 Sample : J1214-03 5X
 Misc :
 ALS Vial : 28 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Jan 22 01:26:39 2018
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF010918.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Jan 19 13:31:35 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.72	152	135413	20.00	ng	0.00
21) Naphthalene-d8	8.00	136	548123	20.00	ng	0.00
38) Acenaphthene-d10	9.75	164	224204	20.00	ng	0.00
63) Phenanthrene-d10	11.24	188	328327	20.00	ng	0.00
75) Chrysene-d12	13.87	240	255811	20.00	ng	0.00
86) Perylene-d12	15.30	264	200942	20.00	ng	0.00

System Monitoring Compounds						
5) 2-Fluorophenol	5.32	112	242837	25.32	ng	0.00
7) Phenol-d6	6.35	99	265859	23.24	ng	-0.02
23) Nitrobenzene-d5	7.28	82	185406	19.88	ng	-0.02
41) 2,4,6-Tribromophenol	10.54	330	58970	30.14	ng	-0.01
44) 2-Fluorobiphenyl	9.07	172	307695	21.44	ng	-0.01
78) Terphenyl-d14	12.82	244	212810	17.27	ng	0.00

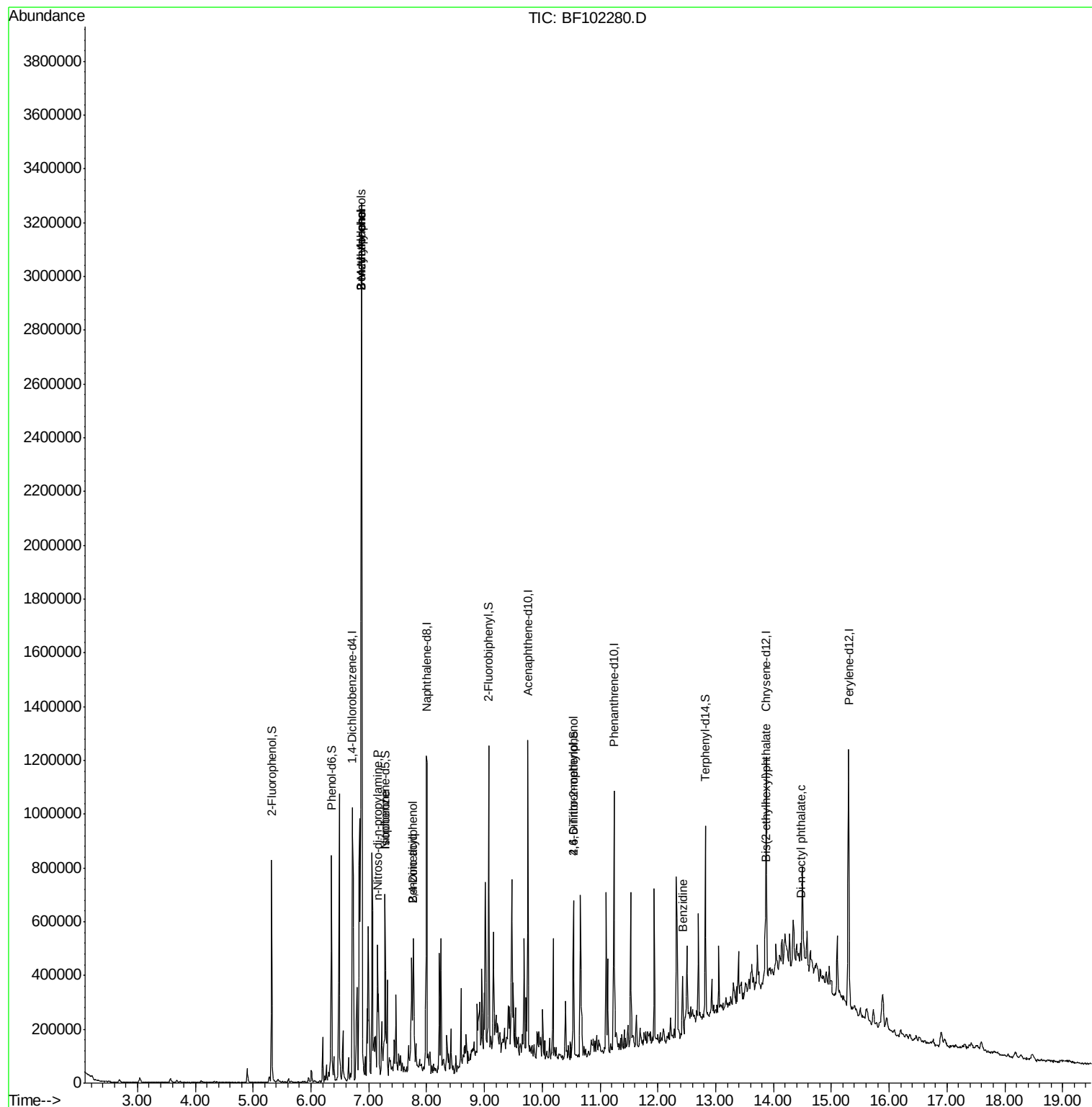
Target Compounds				Qvalue		
15) Benzyl Alcohol	6.87	79	780488	93.258	ng	98
17) 2-Methylphenol	6.88	107	440945	50.823	ng	# 23
19) n-Nitroso-di-n-propylamine	7.15	70	26716	3.563	ng	# 50
20) 3+4-Methylphenols	6.88	107	424482	40.747	ng	# 1
25) Isophorone	7.28	82	183283	9.945	ng	# 64
27) 2,4-Dimethylphenol	7.76	122	60675	7.744	ng	# 5
32) Benzoic acid	7.76	122	60675	10.213	ng	94
64) 4,6-Dinitro-2-methylphenol	10.54	198	107	5.715	ng	# 1
76) Benzidine	12.43	184	63511	5.141	ng	# 88
83) Bis(2-ethylhexyl)phthalate	13.86	149	65790	5.527	ng	# 96
84) Di-n-octyl phthalate	14.47	149	62247	3.151	ng	# 85

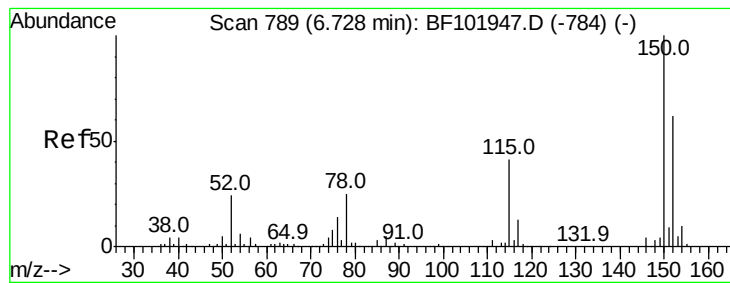
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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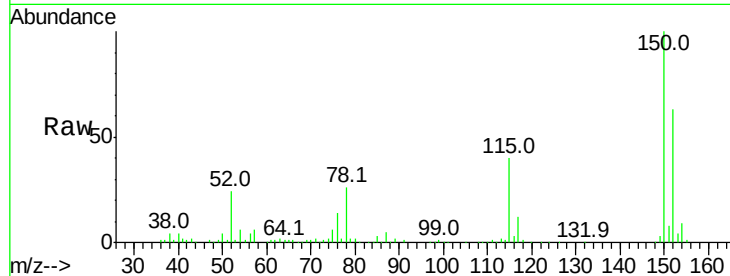


#1

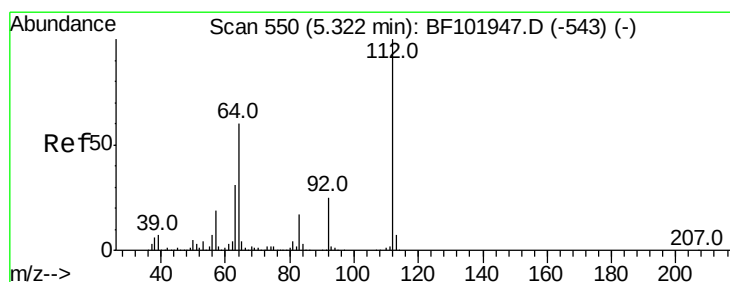
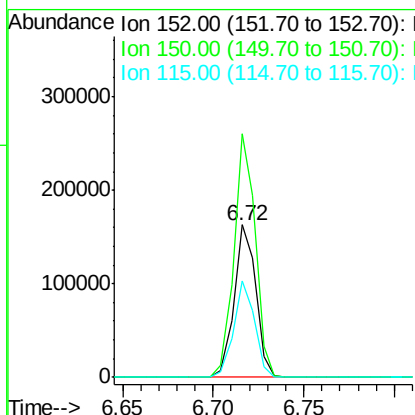
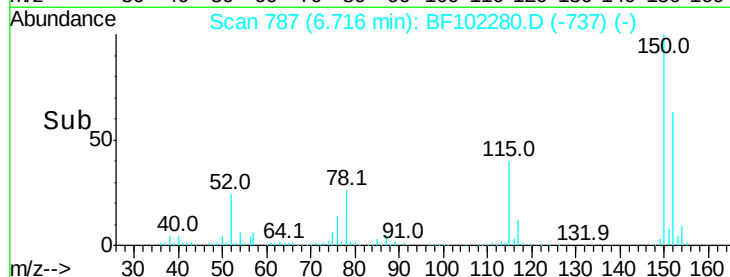
1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.72 min Scan# 787
 Delta R.T. -0.01 min
 Lab File: BF102280.D
 Acq: 20 Jan 2018 23:56

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:152 Resp: 135413
 Ion Ratio Lower Upper
 152 100
 150 159.6 124.6 186.8
 115 63.3 50.1 75.1



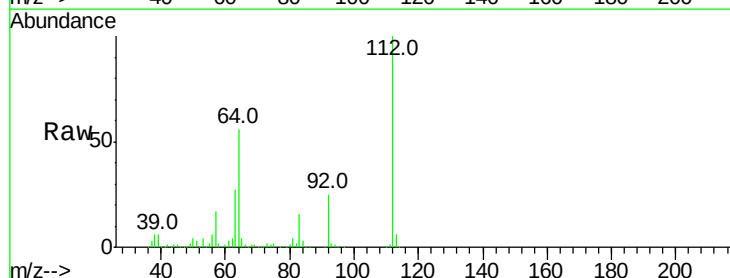
Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E



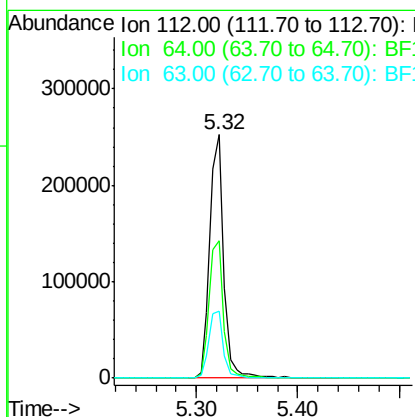
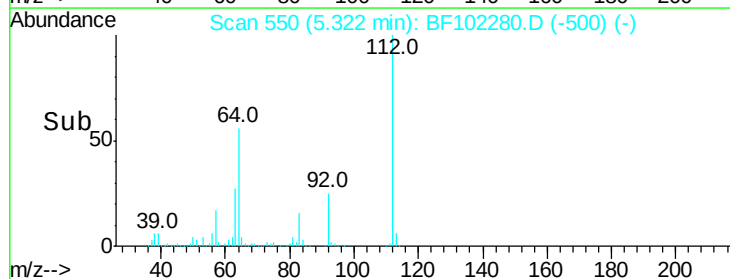
#5

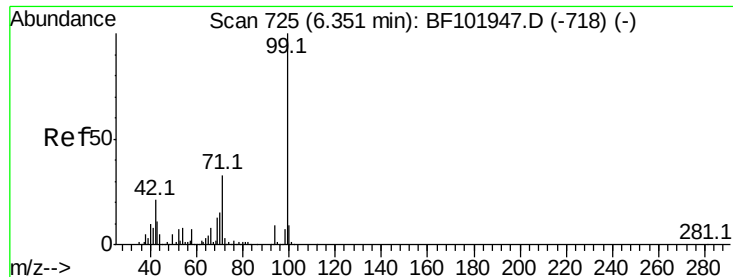
2-Fluorophenol
 Concen: 25.323 ng
 RT: 5.32 min Scan# 550
 Delta R.T. -0.01 min
 Lab File: BF102280.D
 Acq: 20 Jan 2018 23:56

Tgt Ion:112 Resp: 242837
 Ion Ratio Lower Upper
 112 100
 64 56.4 47.9 71.9
 63 27.4 23.7 35.5



Abundance Ion 112.00 (111.70 to 112.70): E
 Ion 64.00 (63.70 to 64.70): BF1
 Ion 63.00 (62.70 to 63.70): BF1





#7

Phenol-d6

Concen: 23.237 ng

RT: 6.35 min Scan# 725

Delta R.T. -0.02 min

Lab File: BF102280.D

Acq: 20 Jan 2018 23:56

Instrument :

BNA_F

ClientSampleId :

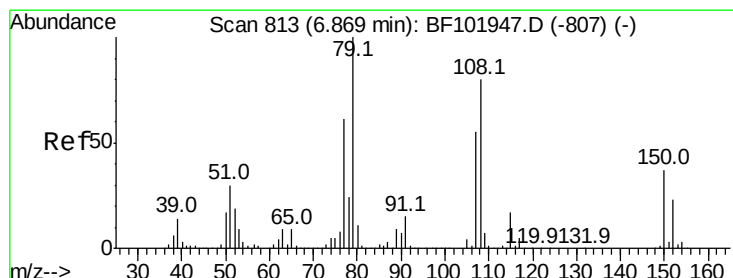
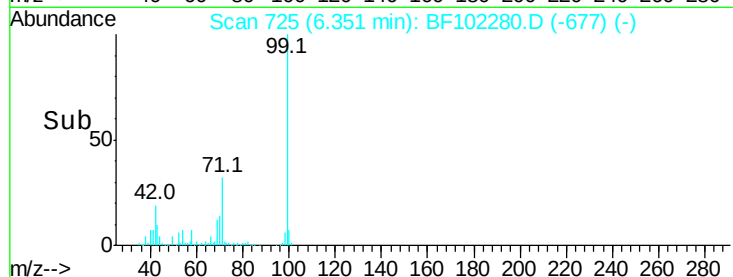
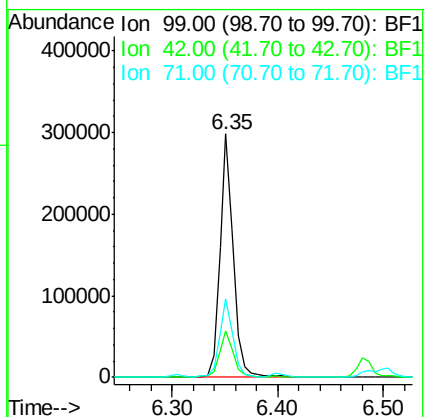
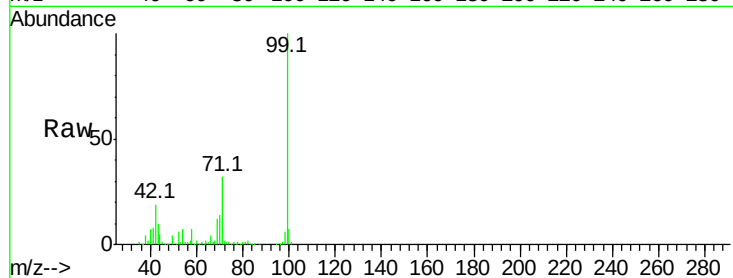
Tot Ion: 99 Resp: 265859

Ion Ratio Lower Upper

99 100

42 18.9 14.5 21.7

71 32.0 25.4 38.0



#15

Benzyl Alcohol

Concen: 93.258 ng

RT: 6.87 min Scan# 814

Delta R.T. 0.00 min

Lab File: BF102280.D

Acq: 20 Jan 2018 23:56

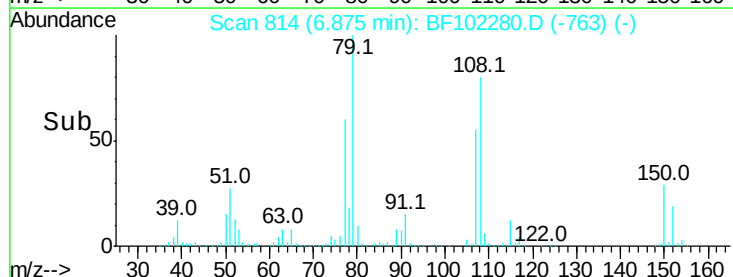
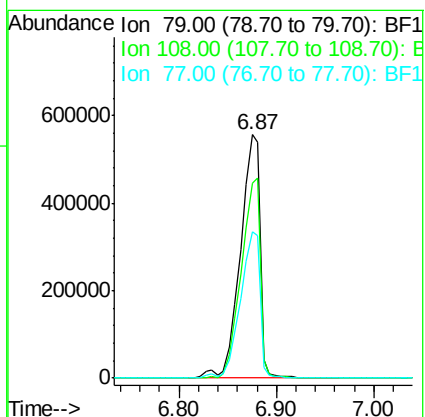
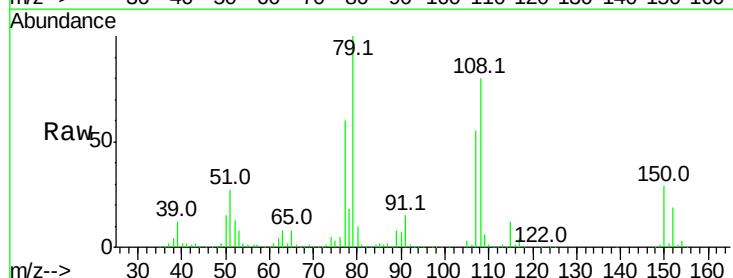
Tgt Ion: 79 Resp: 780488

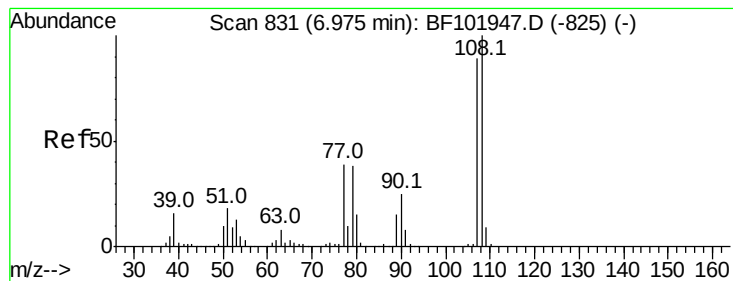
Ion Ratio Lower Upper

79 100

108 80.1 65.1 97.7

77 60.4 50.6 75.8





#17

2-Methylphenol

Concen: 50.823 ng

RT: 6.88 min Scan# 815

Delta R.T. -0.11 min

Lab File: BF102280.D

Acq: 20 Jan 2018 23:56

Instrument :

BNA_F

ClientSampled :

Tot Ion:107 Resp: 440945

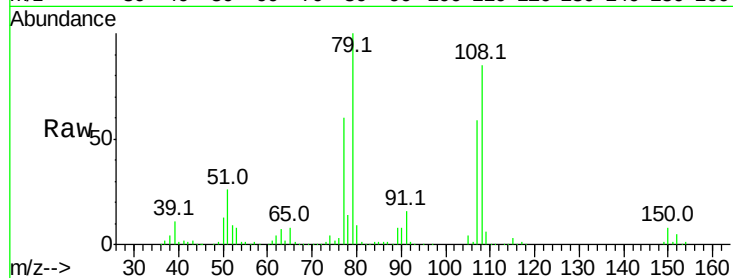
Ion Ratio Lower Upper

107 100

108 143.0 91.7 137.5#

77 101.7 33.8 50.8#

79 168.3 33.8 50.8#

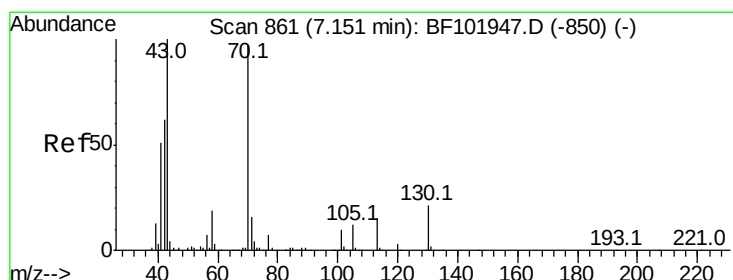
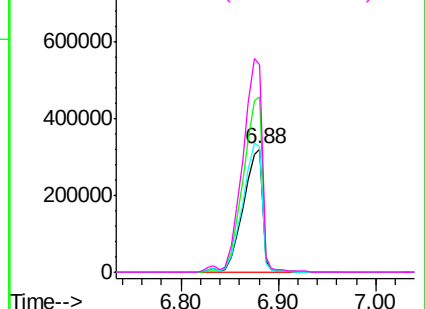
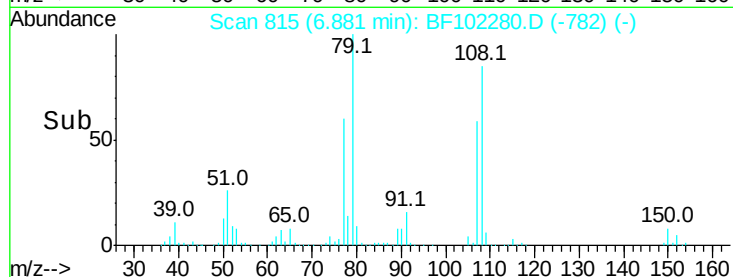


Abundance Ion 107.00 (106.70 to 107.70): E

Ion 108.00 (107.70 to 108.70): E

Ion 77.00 (76.70 to 77.70): BF1

Ion 79.00 (78.70 to 79.70): BF1



#19

n-Nitroso-di-n-propylamine

Concen: 3.563 ng

RT: 7.15 min Scan# 861

Delta R.T. 0.00 min

Lab File: BF102280.D

Acq: 20 Jan 2018 23:56

Tgt Ion: 70 Resp: 26716

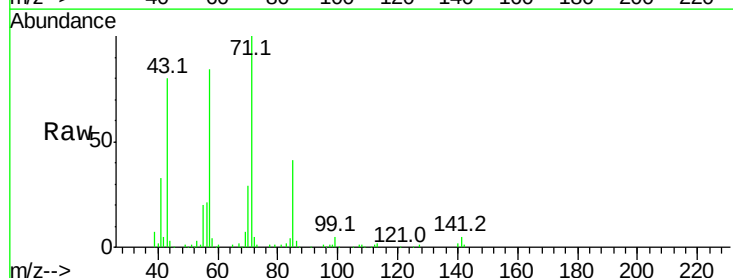
Ion Ratio Lower Upper

70 100

42 16.9 47.5 71.3#

101 0.0 7.4 11.2#

130 0.0 16.6 25.0#

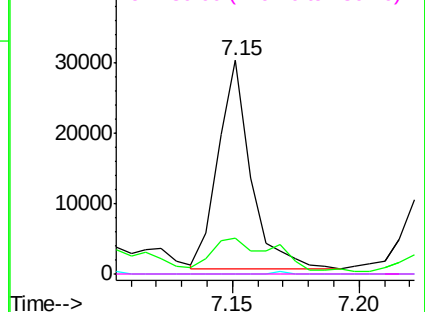
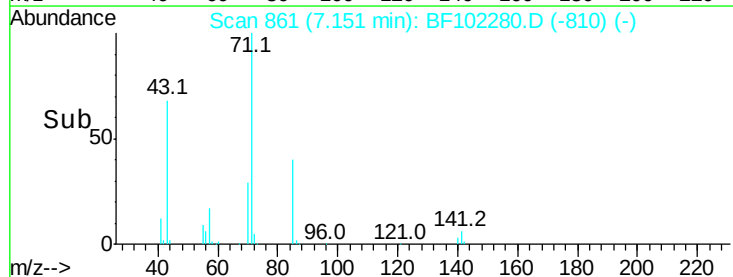


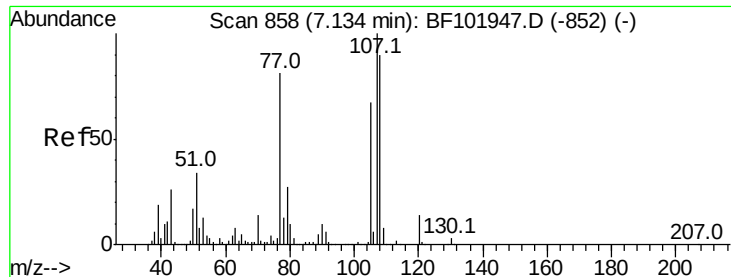
Abundance Ion 70.00 (69.70 to 70.70): BF1

Ion 42.00 (41.70 to 42.70): BF1

Ion 101.00 (100.70 to 101.70): E

Ion 130.00 (129.70 to 130.70): E





#20

3+4-Methylphenols

Concen: 40.747 ng

RT: 6.88 min Scan# 815

Delta R.T. -0.26 min

Lab File: BF102280.D

Acq: 20 Jan 2018 23:56

Instrument :

BNA_F

ClientSampleId :

Tot Ion:107 Resp: 424482

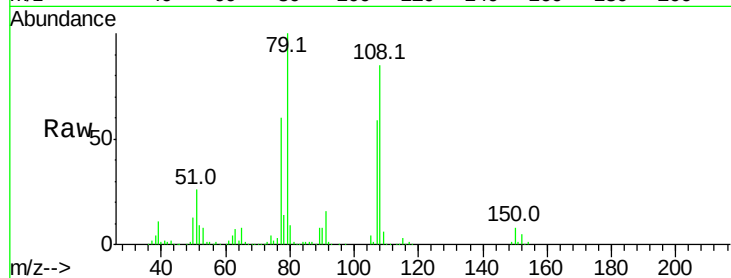
Ion Ratio Lower Upper

107 100

108 143.0 68.2 108.2#

77 101.7 26.7 66.7#

79 168.3 6.3 46.3#

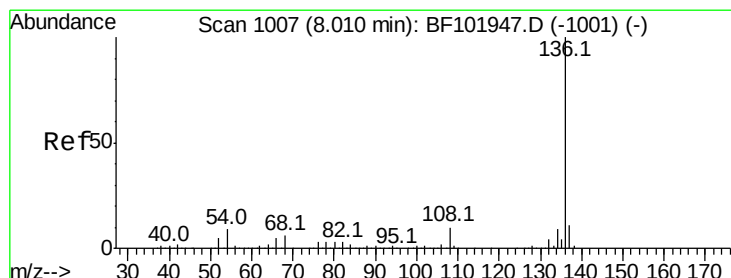
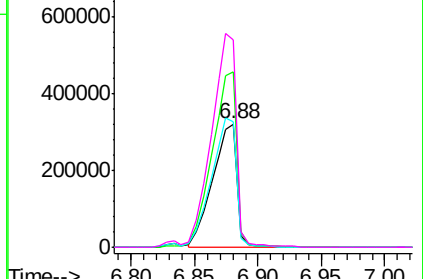
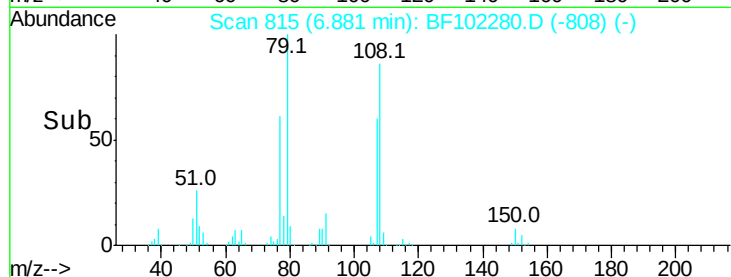


Abundance Ion 107.00 (106.70 to 107.70): E

Ion 108.00 (107.70 to 108.70): E

Ion 77.00 (76.70 to 77.70): BF1

Ion 79.00 (78.70 to 79.70): BF1



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.00 min Scan# 1006

Delta R.T. -0.01 min

Lab File: BF102280.D

Acq: 20 Jan 2018 23:56

Tgt Ion:136 Resp: 548123

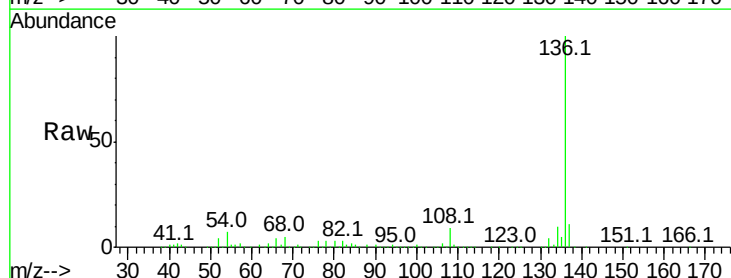
Ion Ratio Lower Upper

136 100

137 11.0 8.9 13.3

54 6.7 6.6 9.8

68 5.0 5.0 7.4

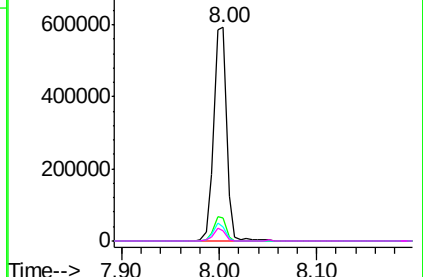
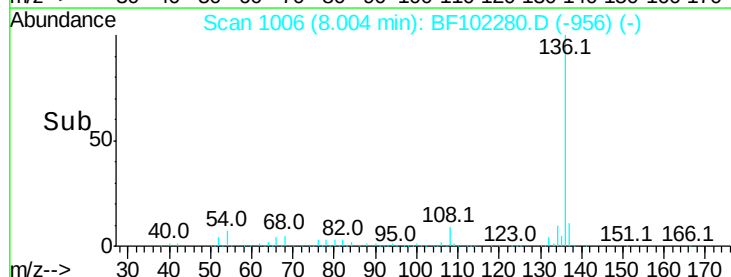


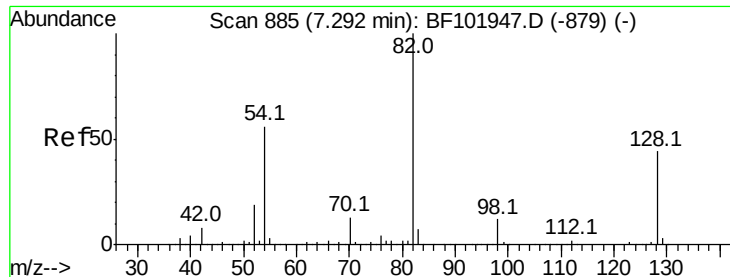
Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BF1

Ion 68.00 (67.70 to 68.70): BF1

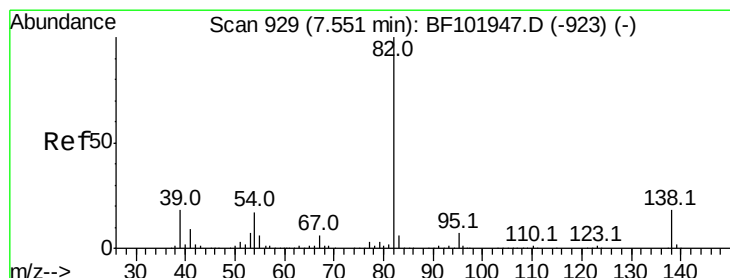
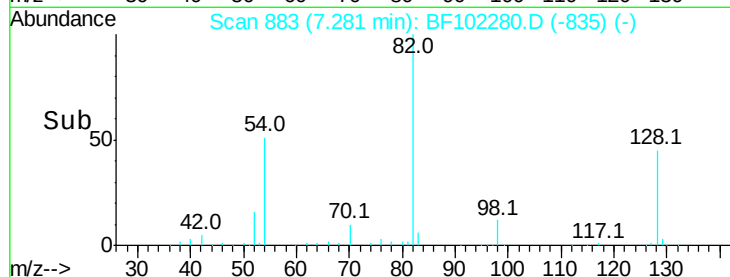
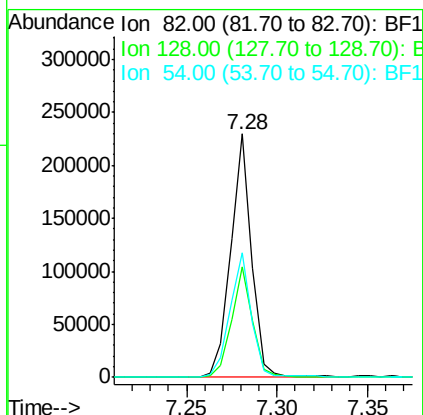
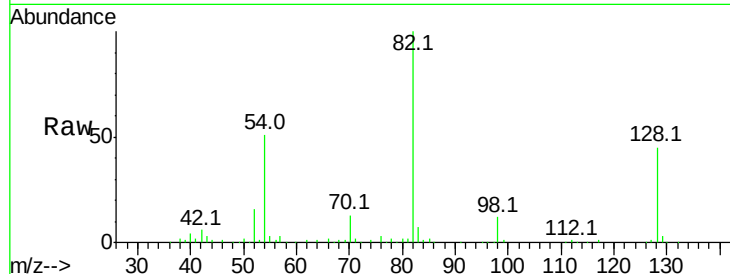




#23
 Nitrobenzene-d5
 Concen: 19.877 ng
 RT: 7.28 min Scan# 883
 Delta R.T. -0.02 min
 Lab File: BF102280.D
 Acq: 20 Jan 2018 23:56

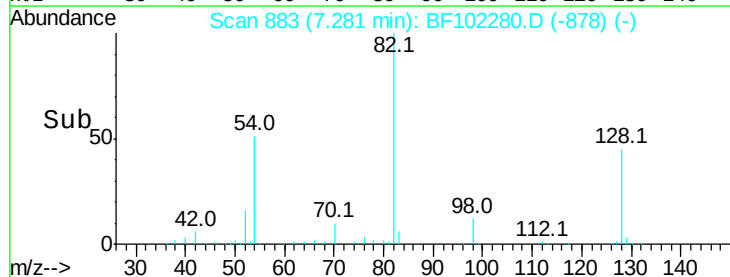
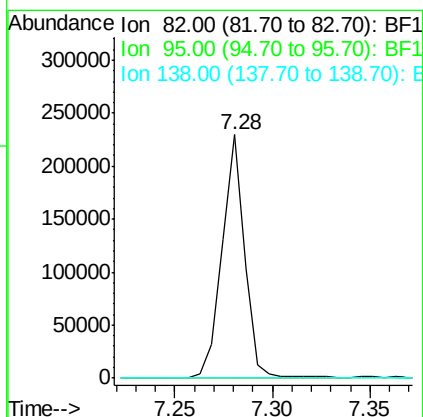
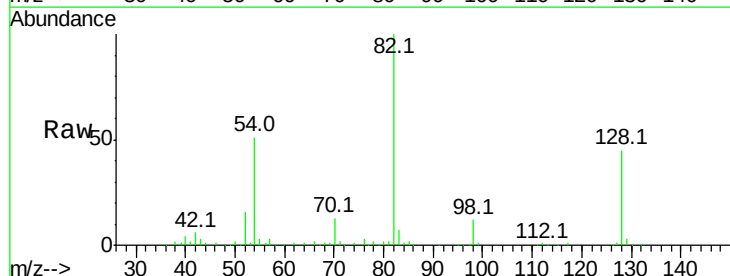
Instrument :
 BNA_F
 ClientSampled :

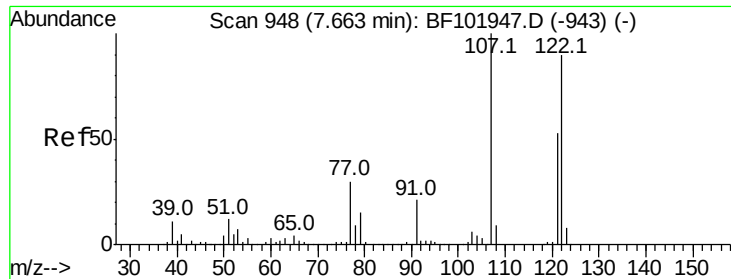
Tot Ion	82	Resp	185406
Ion Ratio	Lower	Upper	
82	100		
128	45.2	36.1	54.1
54	51.3	41.4	62.2



#25
 Isophorone
 Concen: 9.945 ng
 RT: 7.28 min Scan# 883
 Delta R.T. -0.27 min
 Lab File: BF102280.D
 Acq: 20 Jan 2018 23:56

Tgt Ion	82	Resp	183283
Ion Ratio	Lower	Upper	
82	100		
95	0.2	5.2	7.8#
138	0.0	14.9	22.3#

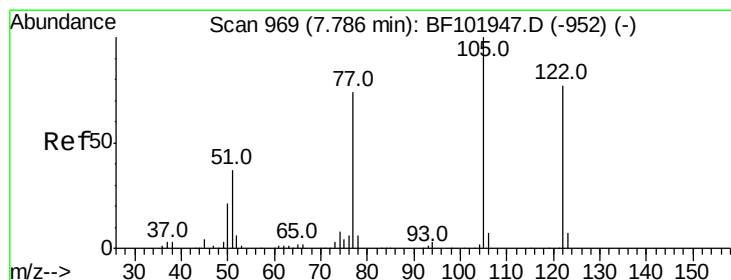
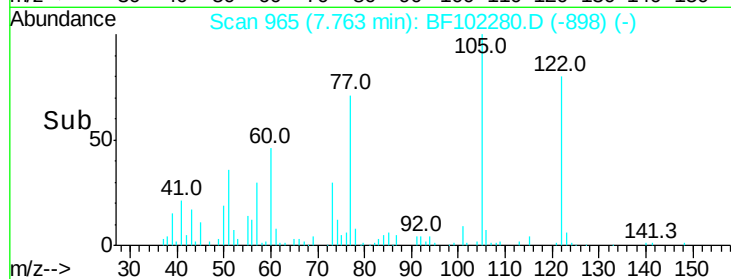
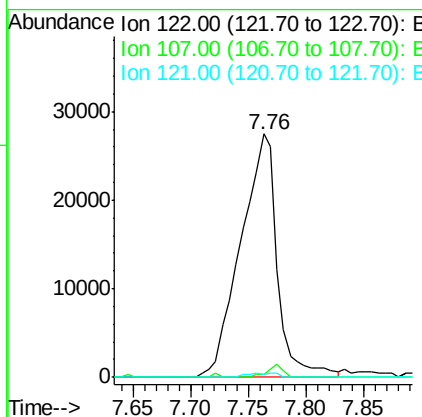
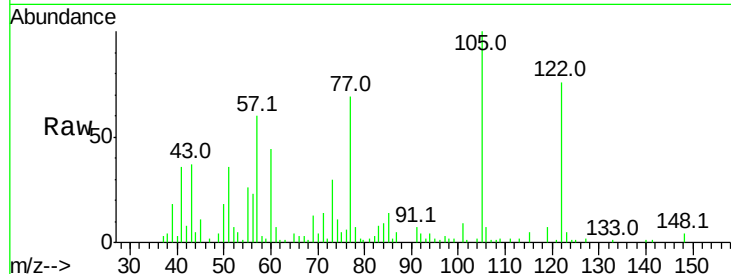




#27
 2,4-Dimethylphenol
 Concen: 7.744 ng
 RT: 7.76 min Scan# 965
 Delta R.T. 0.09 min
 Lab File: BF102280.D
 Acq: 20 Jan 2018 23:56

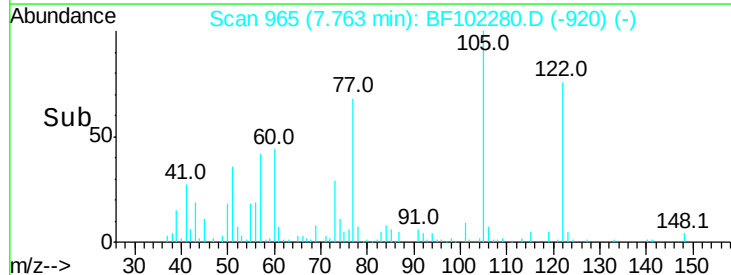
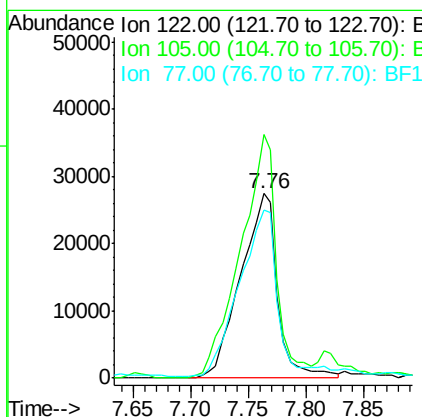
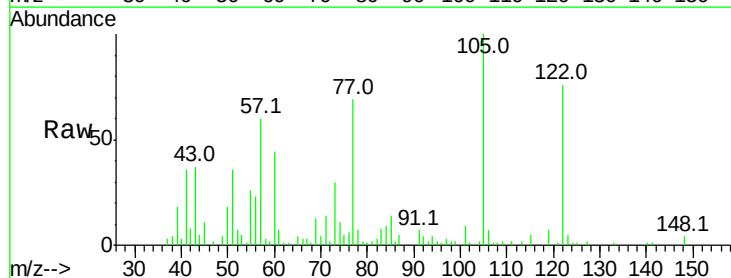
Instrument :
 BNA_F
 ClientSampleId :

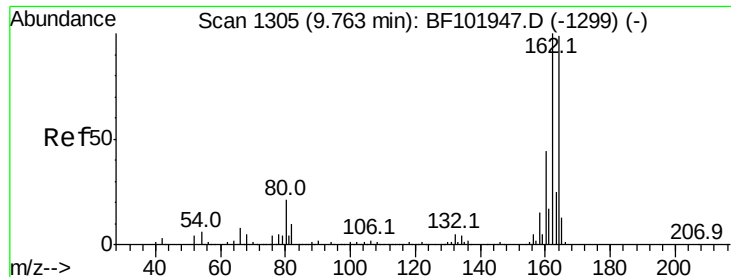
Tot Ion:122 Resp: 60675
 Ion Ratio Lower Upper
 122 100
 107 1.2 91.2 136.8#
 121 1.2 47.2 70.8#



#32
 Benzoic acid
 Concen: 10.213 ng
 RT: 7.76 min Scan# 965
 Delta R.T. -0.04 min
 Lab File: BF102280.D
 Acq: 20 Jan 2018 23:56

Tgt Ion:122 Resp: 60675
 Ion Ratio Lower Upper
 122 100
 105 131.8 101.1 141.1
 77 91.2 70.7 110.7





#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.75 min Scan# 1303

Delta R.T. -0.01 min

Lab File: BF102280.D

Acq: 20 Jan 2018 23:56

Instrument :

BNA_F

ClientSampleId :

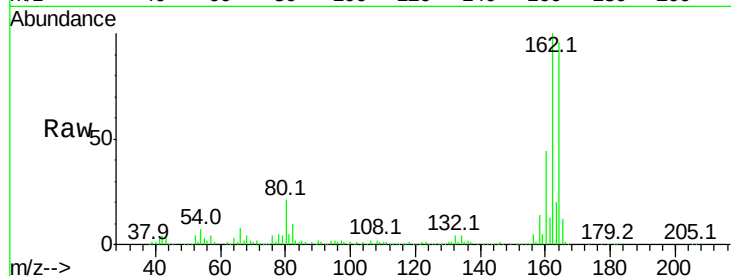
Tot Ion:164 Resp: 224204

Ion Ratio Lower Upper

164 100

162 103.7 86.1 129.1

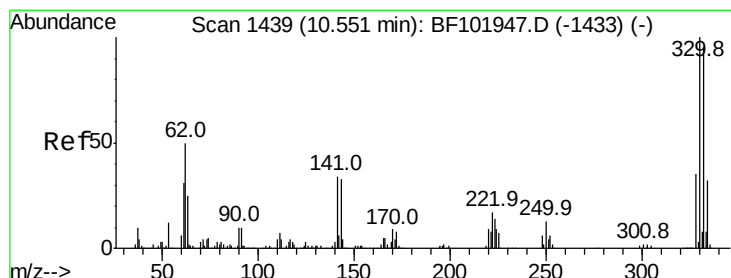
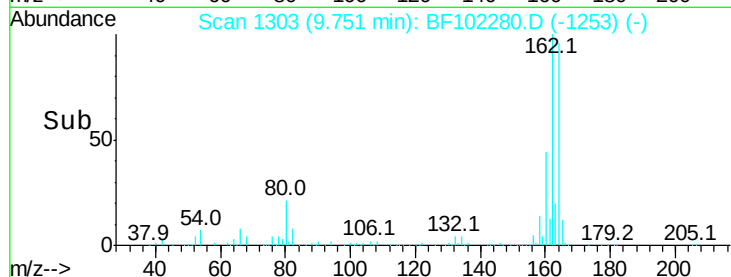
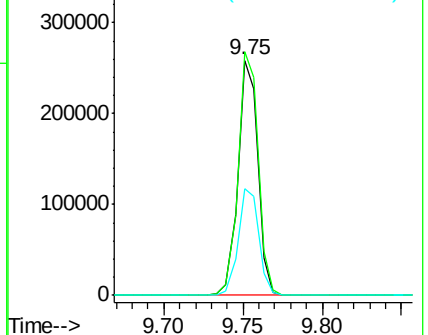
160 45.6 38.3 57.5



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: 30.139 ng

RT: 10.54 min Scan# 1437

Delta R.T. -0.01 min

Lab File: BF102280.D

Acq: 20 Jan 2018 23:56

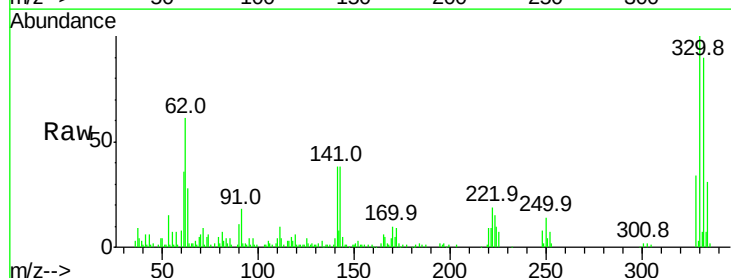
Tgt Ion:330 Resp: 58970

Ion Ratio Lower Upper

330 100

332 91.4 77.0 115.6

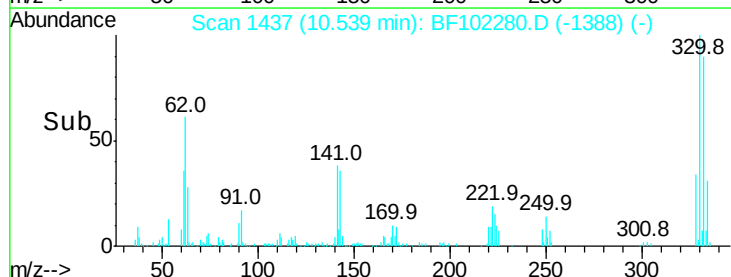
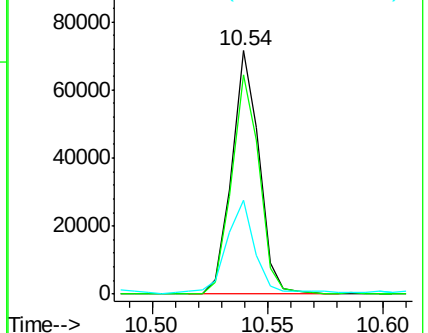
141 40.1 29.9 44.9

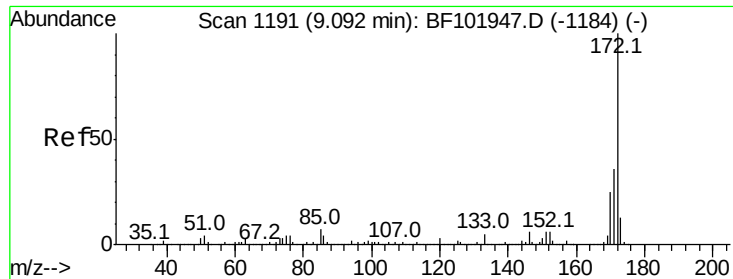


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E





#44

2-Fluorobiphenyl

Concen: 21.440 ng

RT: 9.07 min Scan# 1188

Delta R.T. -0.01 min

Lab File: BF102280.D

Acq: 20 Jan 2018 23:56

Instrument :

BNA_F

ClientSampled :

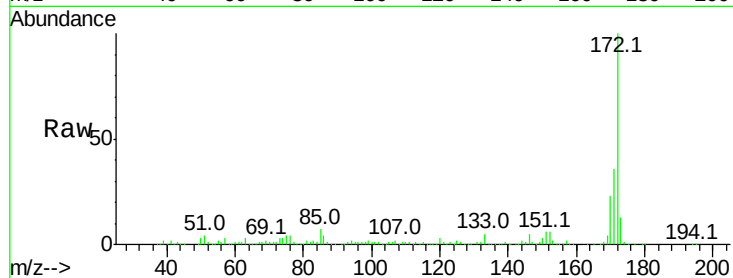
Tot Ion:172 Resp: 307695

Ion Ratio Lower Upper

172 100

171 36.2 29.7 44.5

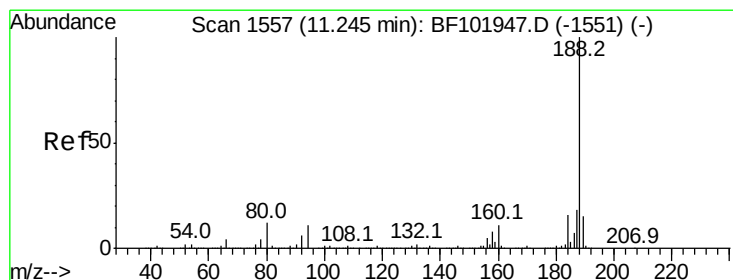
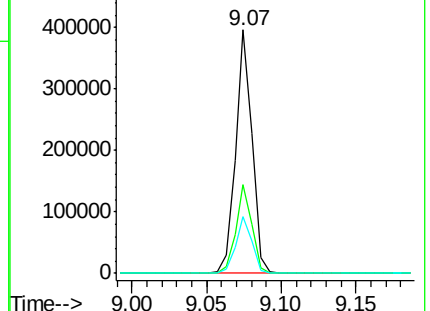
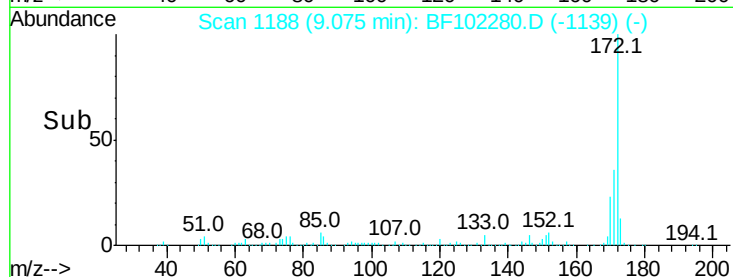
170 23.5 19.6 29.4



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



#63

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.24 min Scan# 1556

Delta R.T. 0.00 min

Lab File: BF102280.D

Acq: 20 Jan 2018 23:56

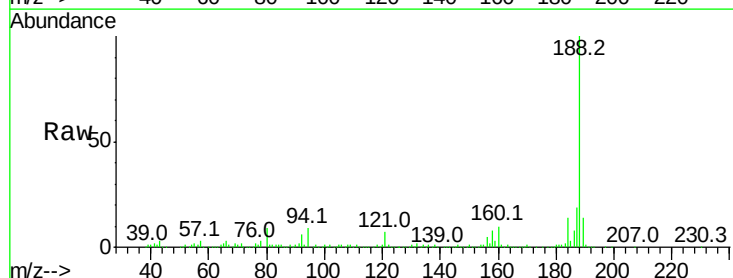
Tgt Ion:188 Resp: 328327

Ion Ratio Lower Upper

188 100

94 8.8 8.5 12.7

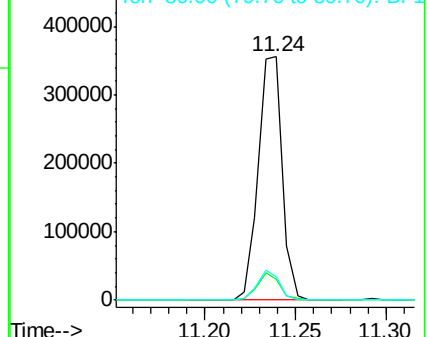
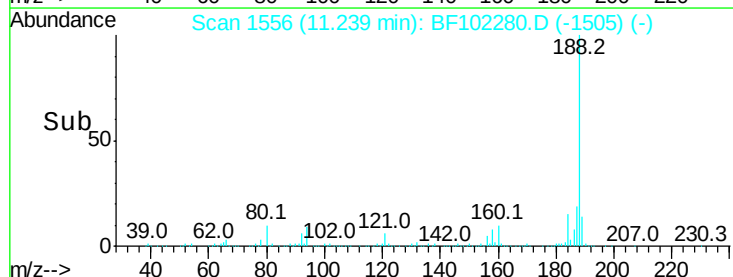
80 9.4 9.2 13.8

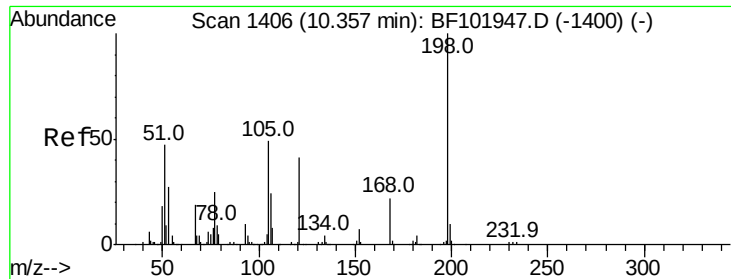


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF1

Ion 80.00 (79.70 to 80.70): BF1

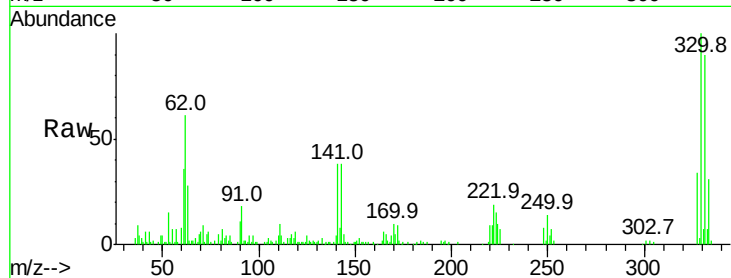




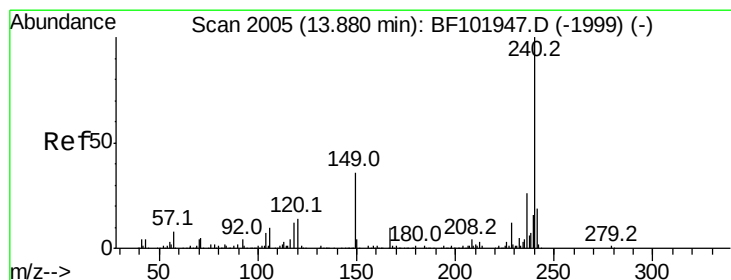
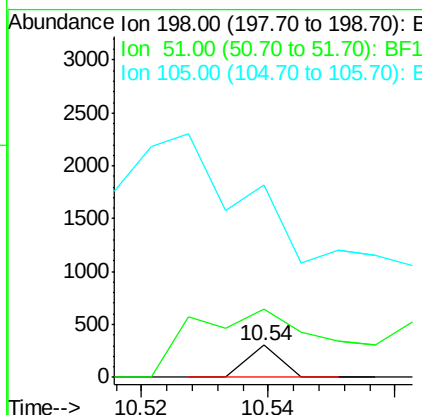
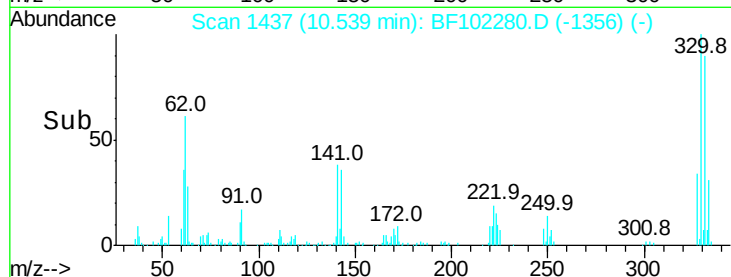
#64
4,6-Dinitro-2-methylphenol
Concen: 5.715 ng
RT: 10.54 min Scan# 1437
Delta R.T. 0.18 min
Lab File: BF102280.D
Acq: 20 Jan 2018 23:56

Instrument :
BNA_F
ClientSampleId :

Tot Ion:198 Resp: 107
Ion Ratio Lower Upper
198 100
51 212.9 37.7 77.7#
105 601.7 36.3 76.3#

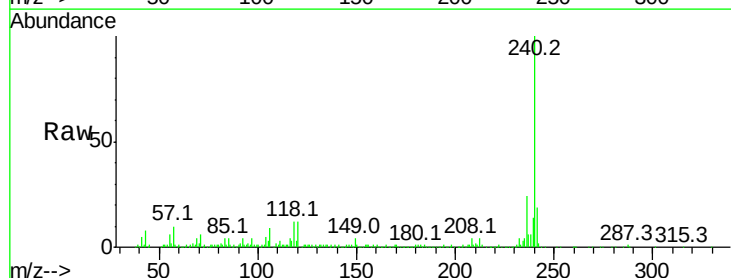


Abundance Ion 198.00 (197.70 to 198.70): E
Ion 51.00 (50.70 to 51.70): BF1
Ion 105.00 (104.70 to 105.70): E

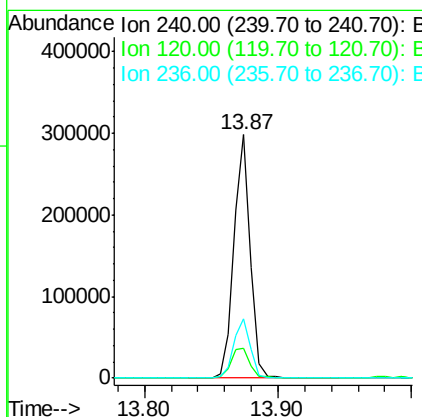
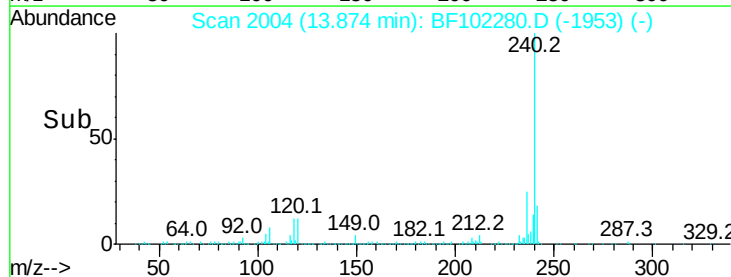


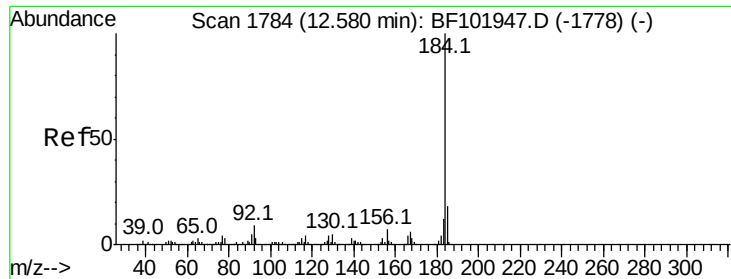
#75
Chrysene-d12
Concen: 20.000 ng
RT: 13.87 min Scan# 2004
Delta R.T. 0.00 min
Lab File: BF102280.D
Acq: 20 Jan 2018 23:56

Tgt Ion:240 Resp: 255811
Ion Ratio Lower Upper
240 100
120 12.3 9.5 14.3
236 24.5 20.7 31.1



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





#76

Benzidine

Concen: 5.141 ng

RT: 12.43 min Scan# 1758

Delta R.T. -0.15 min

Lab File: BF102280.D

Acq: 20 Jan 2018 23:56

Instrument :

BNA_F

ClientSampleId :

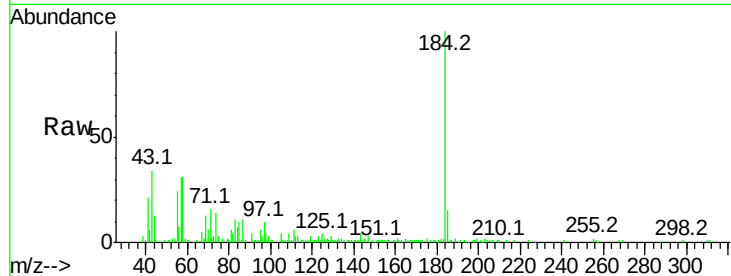
Tot Ion:184 Resp: 63511

Ion Ratio Lower Upper

184 100

185 15.1 12.6 18.8

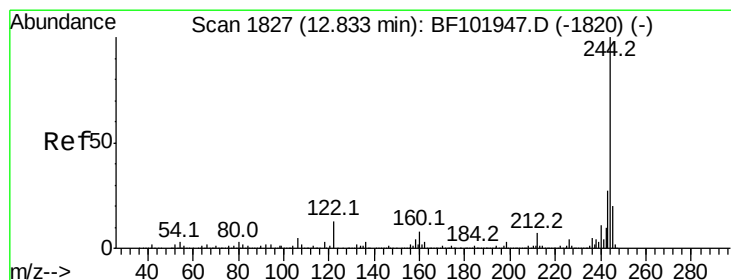
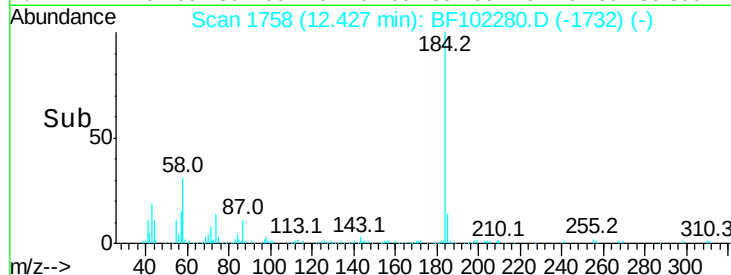
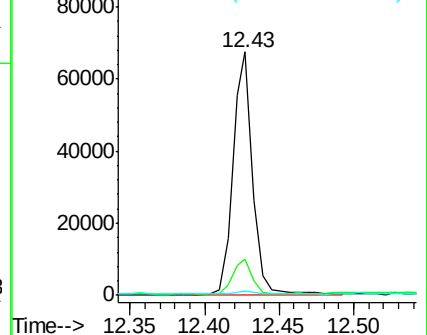
183 1.9 9.3 13.9#



Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E



#78

Terphenyl-d14

Concen: 17.272 ng

RT: 12.82 min Scan# 1825

Delta R.T. -0.01 min

Lab File: BF102280.D

Acq: 20 Jan 2018 23:56

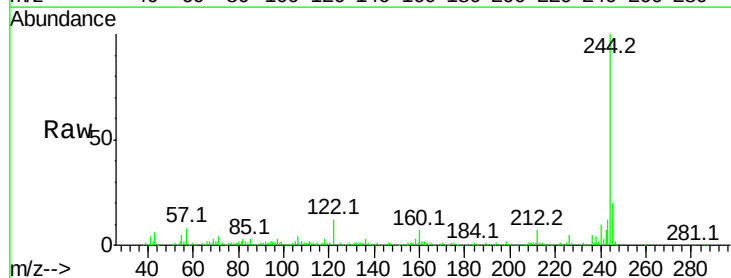
Tgt Ion:244 Resp: 212810

Ion Ratio Lower Upper

244 100

212 6.7 5.4 8.0

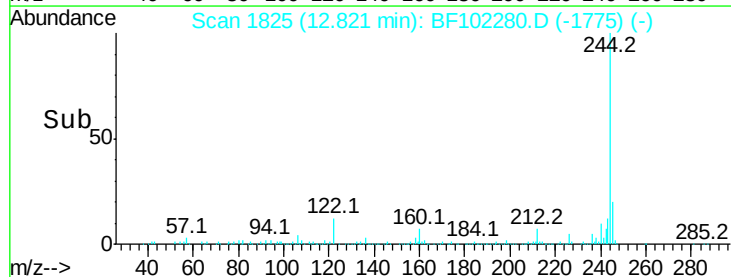
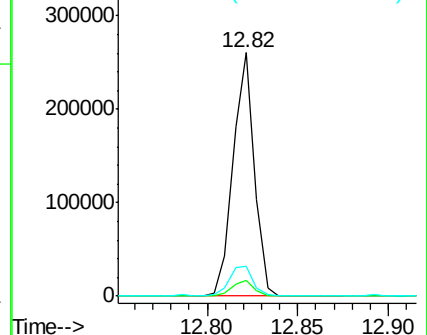
122 12.2 11.0 16.4

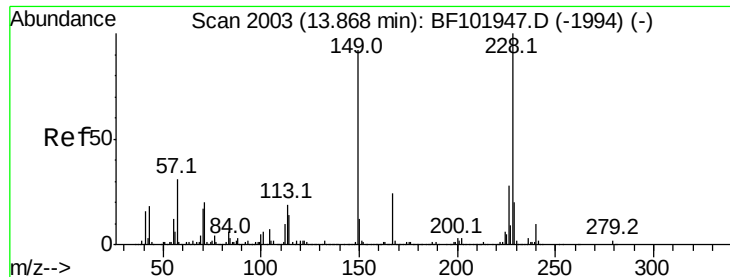


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#83

Bis(2-ethylhexyl)phthalate

Concen: 5.527 ng

RT: 13.86 min Scan# 2001

Delta R.T. 0.00 min

Lab File: BF102280.D

Acq: 20 Jan 2018 23:56

Instrument :

BNA_F

ClientSampleId :

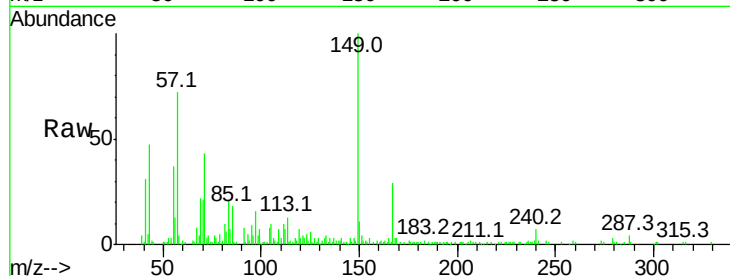
Tot Ion:149 Resp: 65790

Ion Ratio Lower Upper

149 100

167 28.9 21.3 31.9

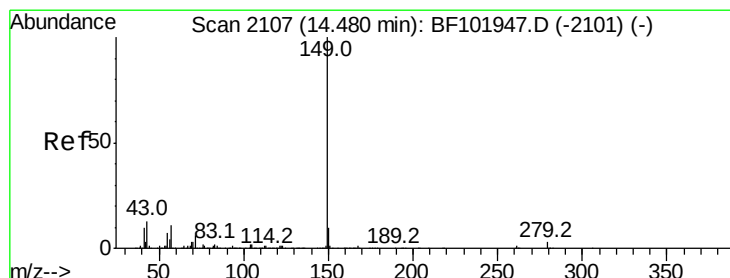
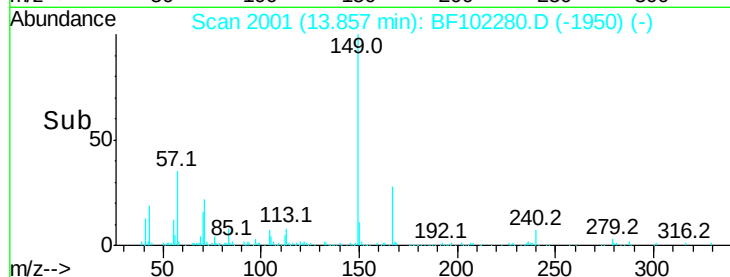
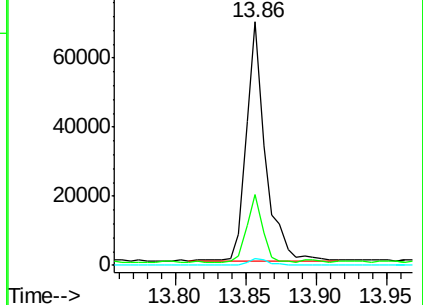
279 2.9 3.0 4.4#



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



#84

Di-n-octyl phthalate

Concen: 3.151 ng

RT: 14.47 min Scan# 2105

Delta R.T. 0.00 min

Lab File: BF102280.D

Acq: 20 Jan 2018 23:56

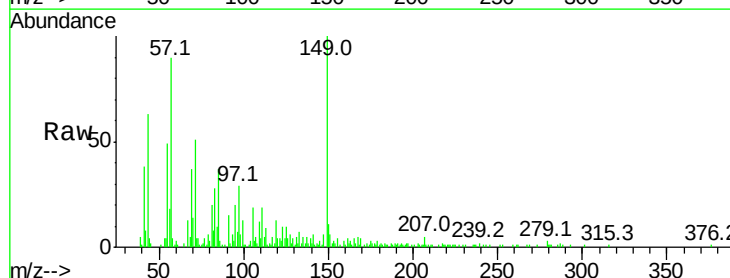
Tgt Ion:149 Resp: 62247

Ion Ratio Lower Upper

149 100

167 1.5 1.2 1.8

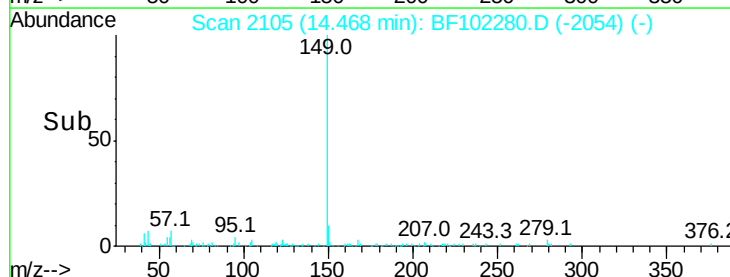
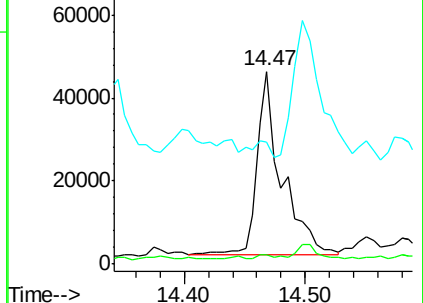
43 4.2 8.4 12.6#

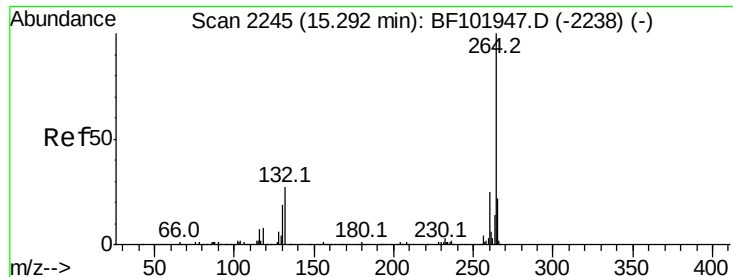


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 43.00 (42.70 to 43.70): BF1

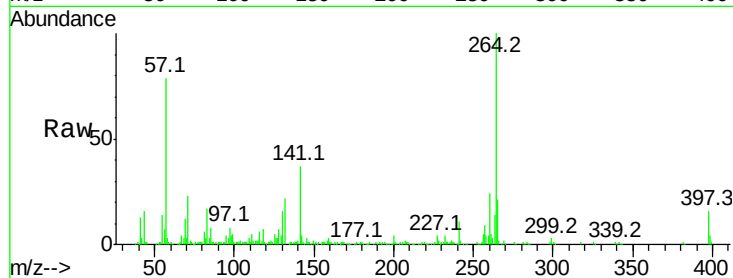




#86
Pervlene-d12
Concen: 20.000 ng
RT: 15.30 min Scan# 2246
Delta R.T. 0.01 min
Lab File: BF102280.D
Acq: 20 Jan 2018 23:56

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
264	100		
260	23.7	19.2	28.8
265	21.2	17.5	26.3



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

