

Data File : BF100545.D
Acq On : 14 Nov 2017 16:27
Operator : SJ/JU
Sample : I6389-19
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
3N-20

Quant Time: Nov 15 00:52:31 2017
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF110817.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Nov 14 14:17:16 2017
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.89	152	152472	20.00	ng	0.00
21) Naphthalene-d8	8.17	136	580982	20.00	ng	0.00
38) Acenaphthene-d10	9.92	164	231276	20.00	ng	0.00
63) Phenanthrene-d10	11.41	188	371212	20.00	ng	0.00
75) Chrysene-d12	14.04	240	310253	20.00	ng	0.00
86) Perylene-d12	15.52	264	223271	20.00	ng	0.00

System Monitoring Compounds						
5) 2-Fluorophenol	5.50	112	758113	79.70	ng	0.00
7) Phenol-d6	6.51	99	946965	80.74	ng	0.00
23) Nitrobenzene-d5	7.45	82	551880	62.80	ng	0.00
41) 2,4,6-Tribromophenol	10.71	330	159459	67.66	ng	0.00
44) 2-Fluorobiphenyl	9.24	172	901109	59.33	ng	0.00
78) Terphenyl-d14	12.99	244	645526	47.81	ng	0.00

Target Compounds						Qvalue
9) Benzaldehyde	6.43	77	67271	8.03	ng	99
10) Phenol	6.52	94	48126	3.91	ng	98
19) n-Nitroso-di-n-propylamine	7.45	70	73373	9.02	ng	# 82
25) Isophorone	7.45	82	551873	29.88	ng	# 64
27) 2,4-Dimethylphenol	7.87	122	18895	2.28	ng	# 4
32) Benzoic acid	7.87	122	18895	11.77	ng	98
47) 2-Nitroaniline	9.39	65	608	2.92	ng	# 22
49) Dimethylphthalate	9.63	163	89818	5.09	ng	100
50) 2,6-Dinitrotoluene	9.92	165	29263	8.37	ng	# 26
56) 2,4-Dinitrotoluene	9.92	165	29263	6.64	ng	# 23
62) Azobenzene	10.63	77	56917	3.42	ng	# 1
64) 4,6-Dinitro-2-methylphenol	10.71	198	284	8.69	ng	# 1
66) 4-Bromophenyl-phenylether	10.71	248	9993	2.51	ng	# 1
79) Butylbenzylphthalate	13.45	149	18794	2.08	ng	# 34

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

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ClientSampleId :

3N-20

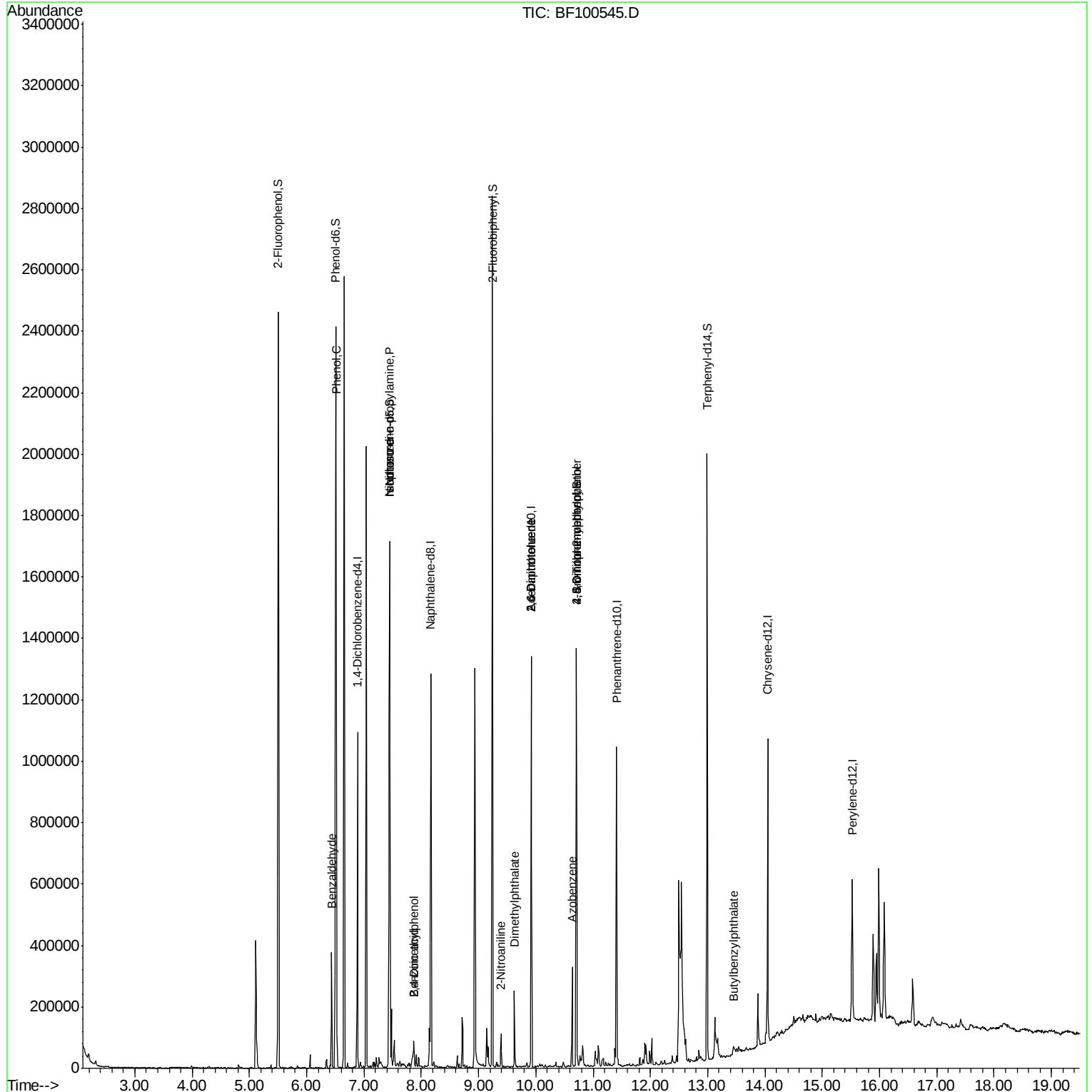
Quant Time: Nov 15 00:52:31 2017

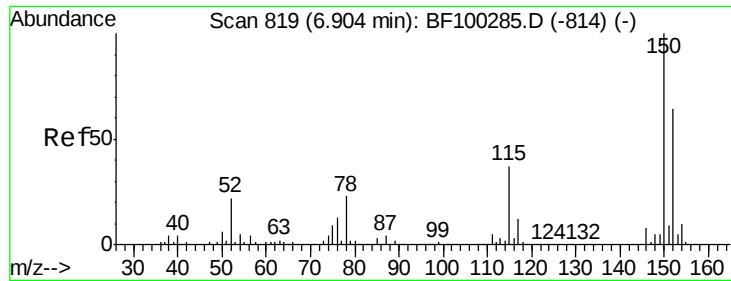
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF110817.M

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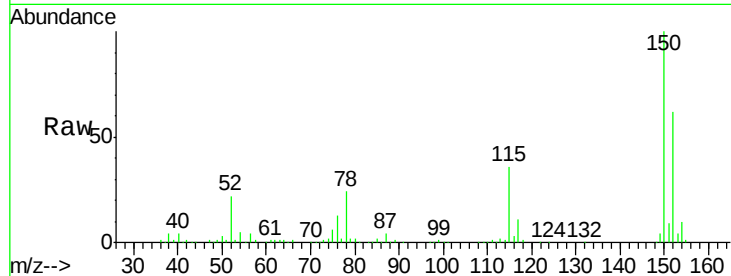


#1

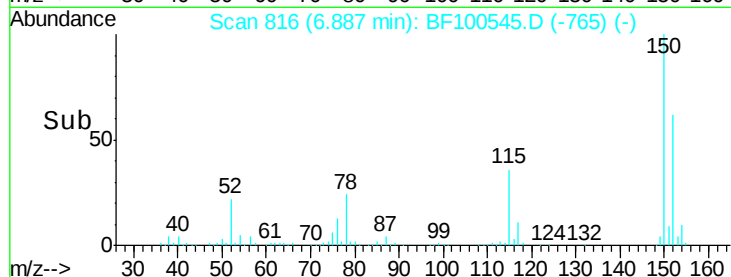
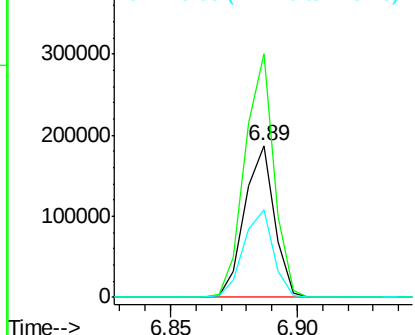
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.89 min Scan# 816
Delta R.T. 0.00 min
Lab File: BF100545.D
Acq: 14 Nov 2017 16:27

Instrument :
BNA_F
ClientSampleId :
3N-20

Tgt Ion:152 Resp: 152472
Ion Ratio Lower Upper
152 100
150 160.3 124.6 186.8
115 58.0 50.1 75.1



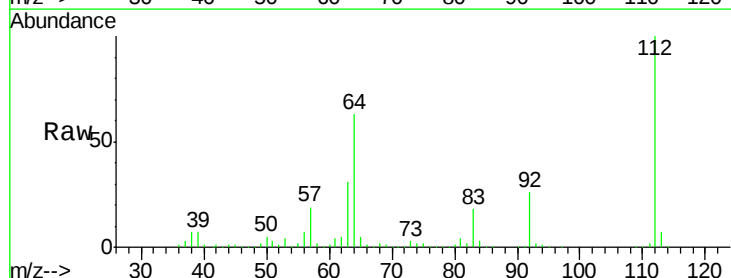
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



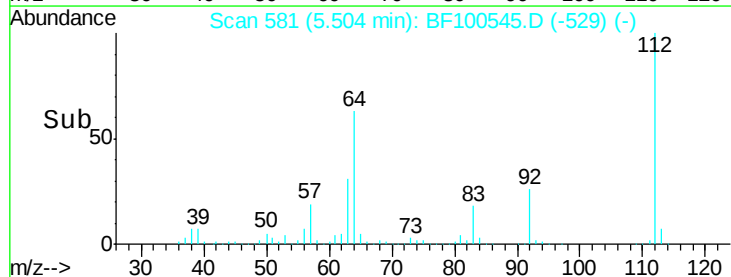
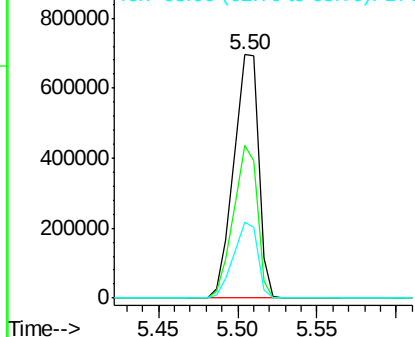
#5

2-Fluorophenol
Concen: 79.70 ng
RT: 5.50 min Scan# 581
Delta R.T. 0.01 min
Lab File: BF100545.D
Acq: 14 Nov 2017 16:27

Tgt Ion:112 Resp: 758113
Ion Ratio Lower Upper
112 100
64 62.9 47.9 71.9
63 31.3 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: 80.74 ng

RT: 6.51 min Scan# 752

Delta R.T. 0.00 min

Lab File: BF100545.D

Acq: 14 Nov 2017 16:27

Instrument :

BNA_F

ClientSampleId :

3N-20

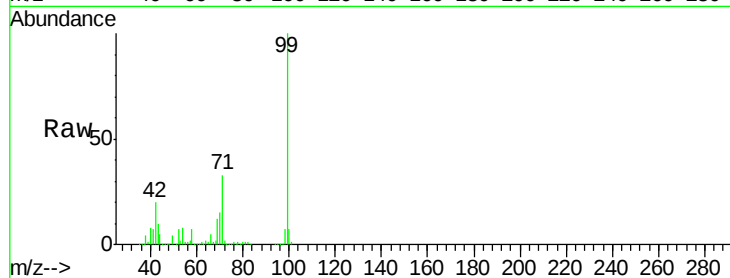
Tgt Ion: 99 Resp: 946965

Ion Ratio Lower Upper

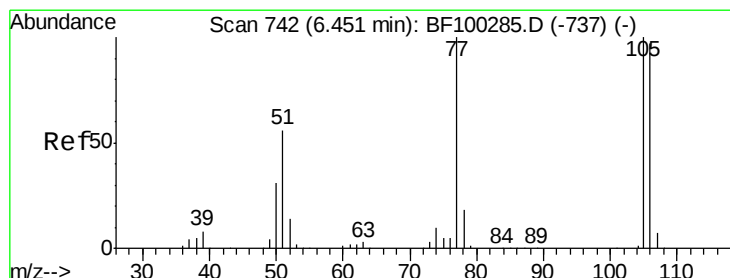
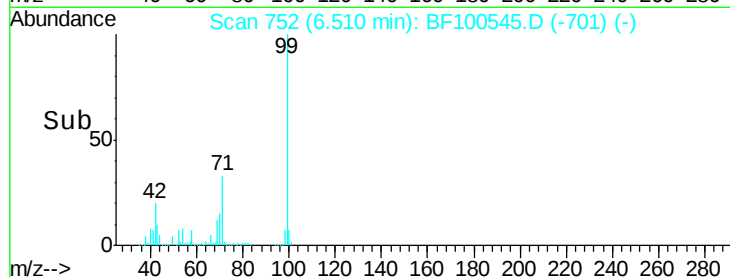
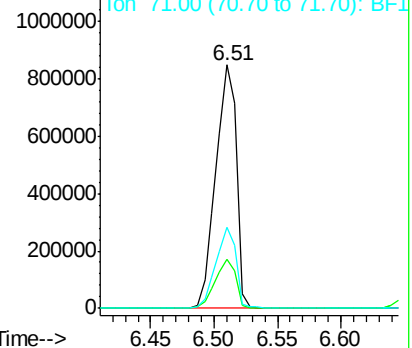
99 100

42 20.3 14.5 21.7

71 33.1 25.4 38.0



Abundance Ion 99.00 (98.70 to 99.70): BF1
Ion 42.00 (41.70 to 42.70): BF1
Ion 71.00 (70.70 to 71.70): BF1



#9

Benzaldehyde

Concen: 8.03 ng

RT: 6.43 min Scan# 739

Delta R.T. -0.01 min

Lab File: BF100545.D

Acq: 14 Nov 2017 16:27

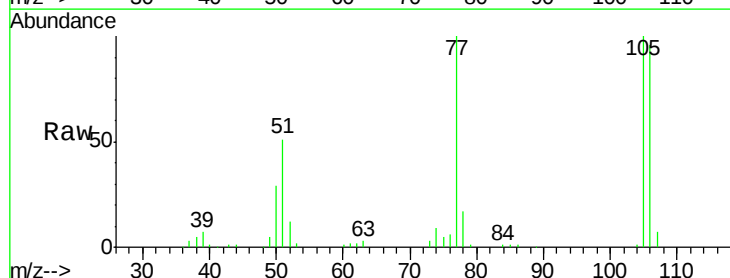
Tgt Ion: 77 Resp: 67271

Ion Ratio Lower Upper

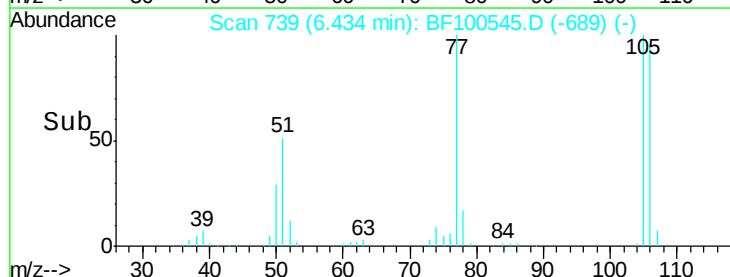
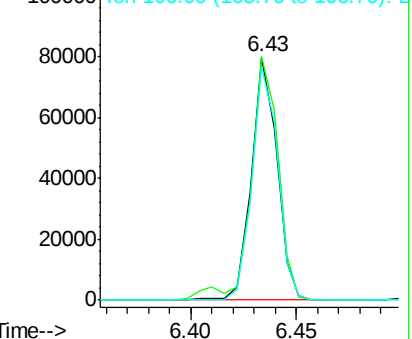
77 100

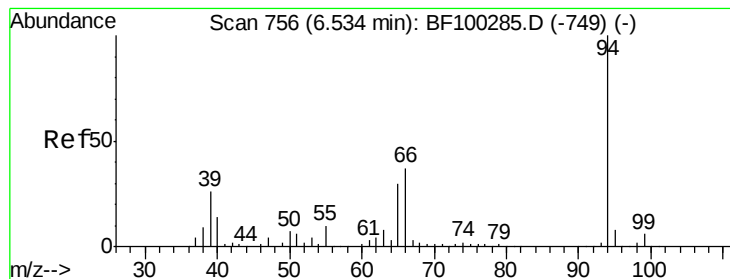
105 100.2 81.1 121.1

106 96.3 74.5 114.5



Abundance Ion 77.00 (76.70 to 77.70): BF1
Ion 105.00 (104.70 to 105.70): BF1
Ion 106.00 (105.70 to 106.70): BF1





#10

Phenol

Concen: 3.91 ng

RT: 6.52 min Scan# 754

Delta R.T. 0.00 min

Lab File: BF100545.D

Acq: 14 Nov 2017 16:27

Instrument :

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ClientSampleId :

3N-20

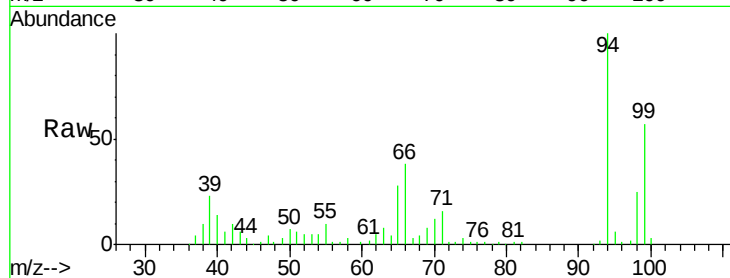
Tgt Ion: 94 Resp: 48126

Ion Ratio Lower Upper

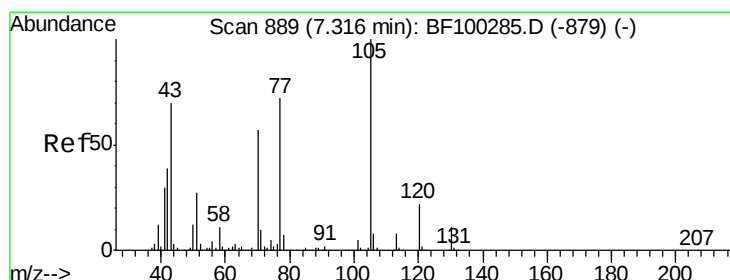
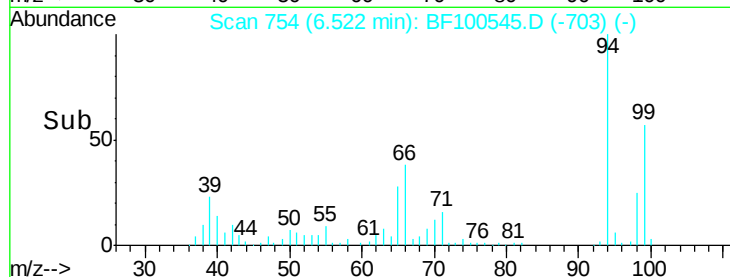
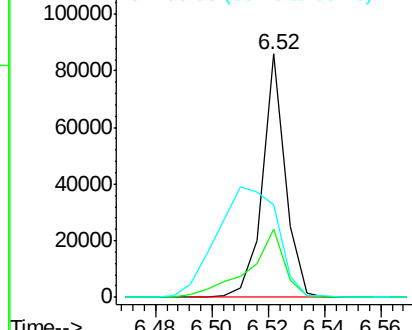
94 100

65 27.9 7.9 47.9

66 37.8 16.2 56.2



Abundance Ion 94.00 (93.70 to 94.70): BF1
Ion 65.00 (64.70 to 65.70): BF1
Ion 66.00 (65.70 to 66.70): BF1



#19

n-Nitroso-di-n-propylamine

Concen: 9.02 ng

RT: 7.45 min Scan# 911

Delta R.T. 0.15 min

Lab File: BF100545.D

Acq: 14 Nov 2017 16:27

Tgt Ion: 70 Resp: 73373

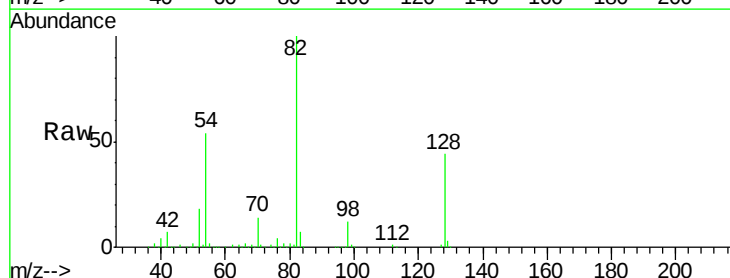
Ion Ratio Lower Upper

70 100

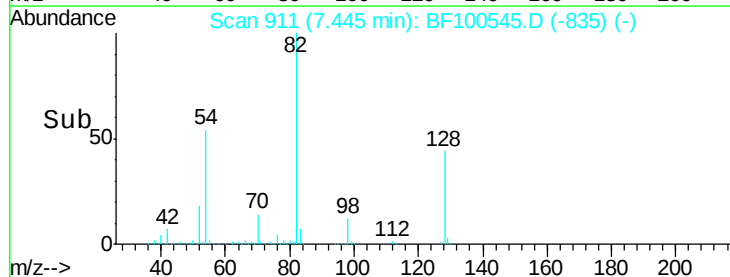
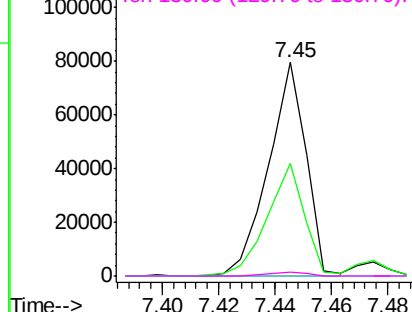
42 52.8 47.5 71.3

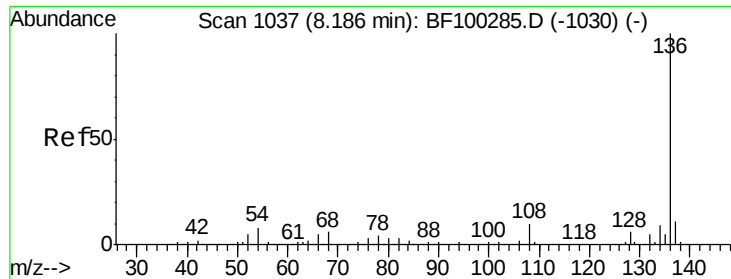
101 0.0 7.4 11.2#

130 1.8 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): BF1
Ion 130.00 (129.70 to 130.70): BF1

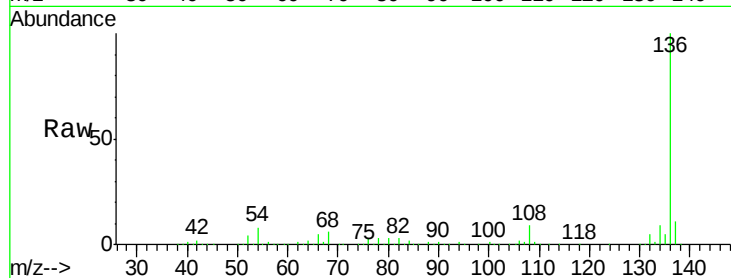




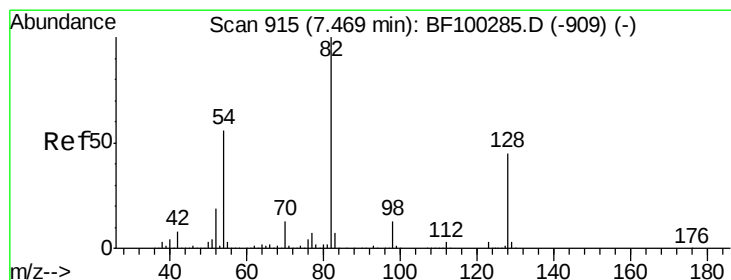
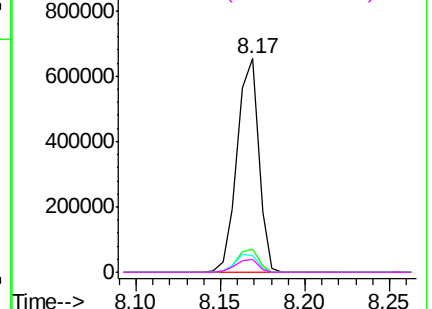
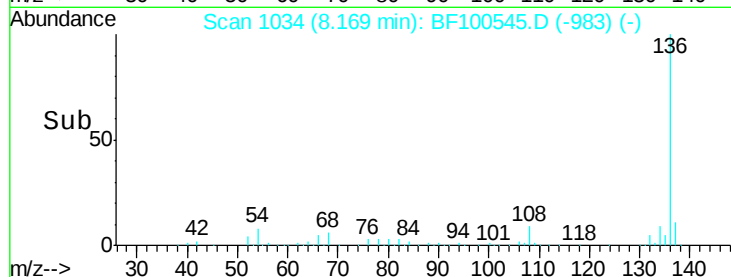
#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.17 min Scan# 1034
Delta R.T. 0.00 min
Lab File: BF100545.D
Acq: 14 Nov 2017 16:27

Instrument :
BNA_F
ClientSampled :
3N-20

Tgt Ion:	136	Resp:	580982
Ion	Ratio	Lower	Upper
136	100		
137	10.5	8.9	13.3
54	7.8	6.6	9.8
68	6.1	5.0	7.4

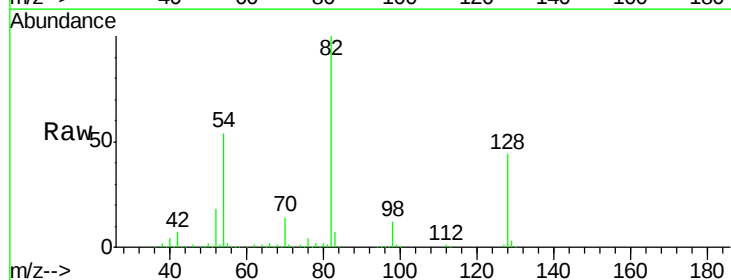


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF1
Ion 68.00 (67.70 to 68.70): BF1

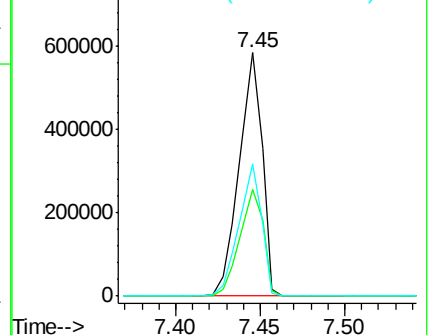
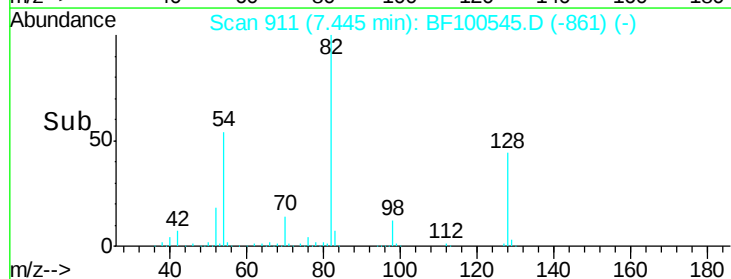


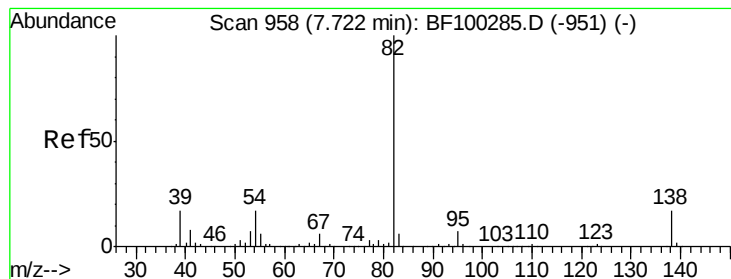
#23
Nitrobenzene-d5
Concen: 62.80 ng
RT: 7.45 min Scan# 911
Delta R.T. -0.01 min
Lab File: BF100545.D
Acq: 14 Nov 2017 16:27

Tgt Ion:	82	Resp:	551880
Ion	Ratio	Lower	Upper
82	100		
128	43.6	36.1	54.1
54	54.2	41.4	62.2



Abundance Ion 82.00 (81.70 to 82.70): BF1
Ion 128.00 (127.70 to 128.70): E
Ion 54.00 (53.70 to 54.70): BF1





#25

Isophorone

Concen: 29.88 ng

RT: 7.45 min Scan# 911

Delta R.T. -0.26 min

Lab File: BF100545.D

Acq: 14 Nov 2017 16:27

Instrument :

BNA_F

ClientSampleId :

3N-20

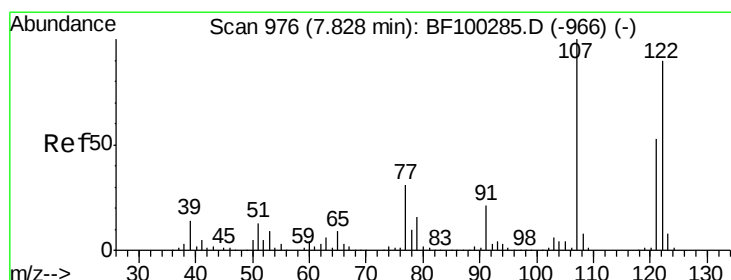
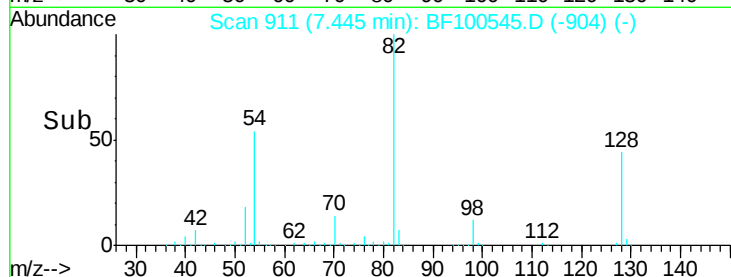
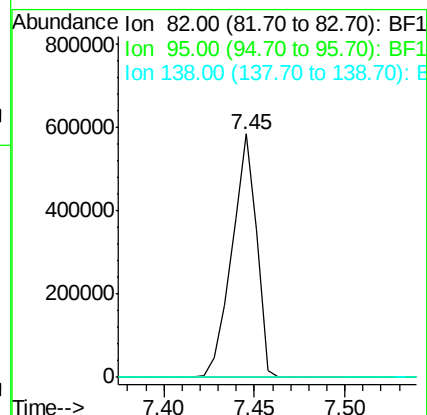
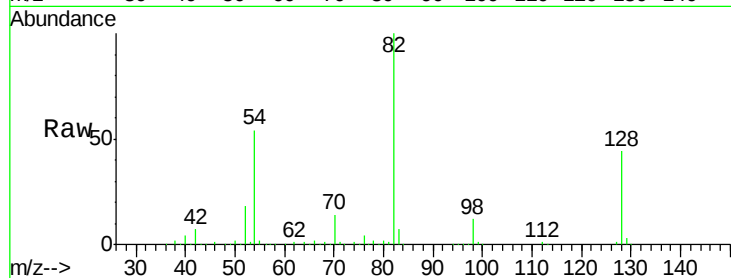
Tgt Ion: 82 Resp: 551873

Ion Ratio Lower Upper

82 100

95 0.1 5.2 7.8#

138 0.0 14.9 22.3#



#27

2,4-Dimethylphenol

Concen: 2.28 ng

RT: 7.87 min Scan# 983

Delta R.T. 0.05 min

Lab File: BF100545.D

Acq: 14 Nov 2017 16:27

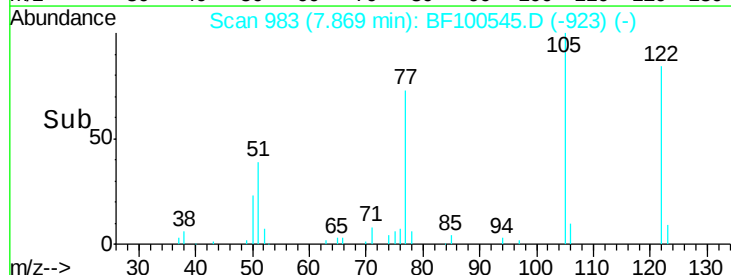
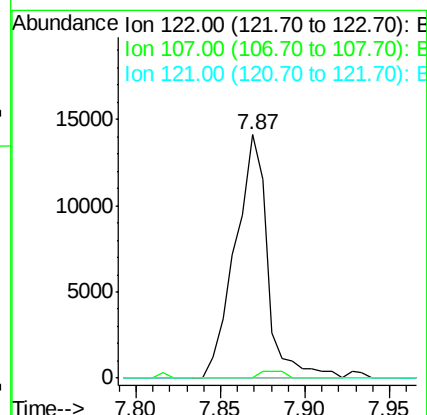
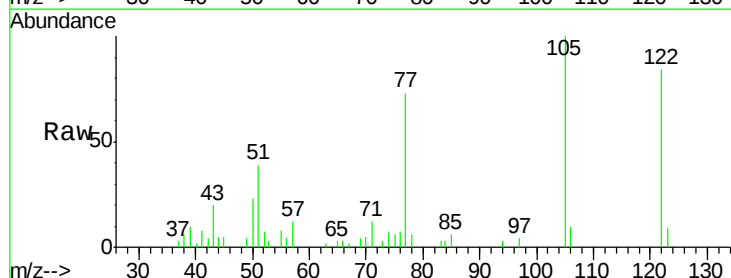
Tgt Ion: 122 Resp: 18895

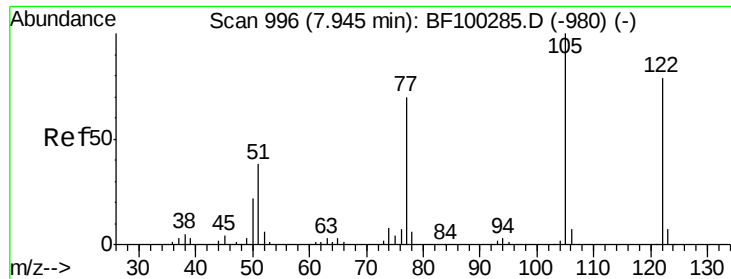
Ion Ratio Lower Upper

122 100

107 0.0 91.2 136.8#

121 0.0 47.2 70.8#

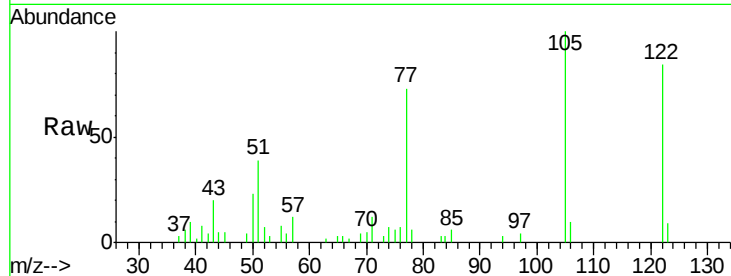




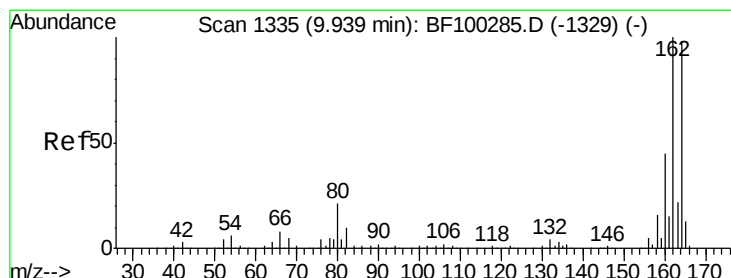
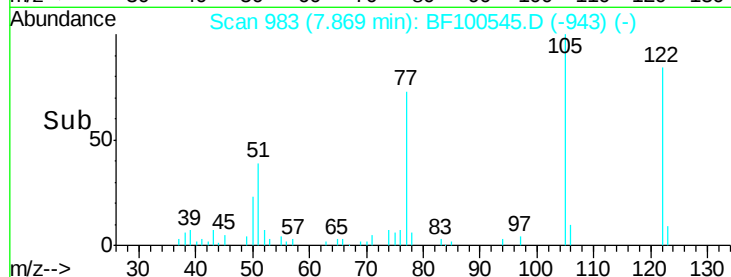
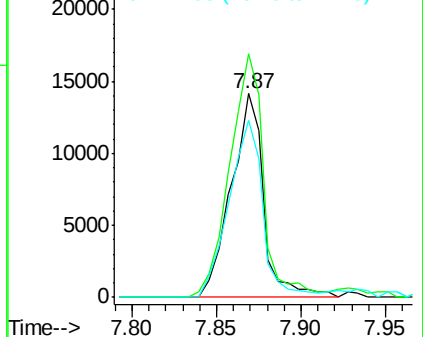
#32
Benzoic acid
Concen: 11.77 ng
RT: 7.87 min Scan# 983
Delta R.T. -0.06 min
Lab File: BF100545.D
Acq: 14 Nov 2017 16:27

Instrument :
BNA_F
ClientSampleId :
3N-20

Tgt Ion:122 Resp: 18895
Ion Ratio Lower Upper
122 100
105 119.7 101.1 141.1
77 87.2 70.7 110.7

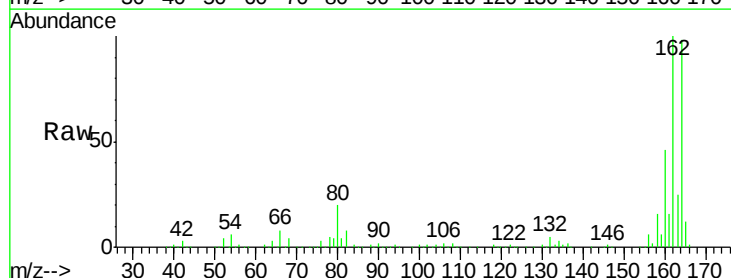


Abundance Ion 122.00 (121.70 to 122.70): E
Ion 105.00 (104.70 to 105.70): E
Ion 77.00 (76.70 to 77.70): BF1

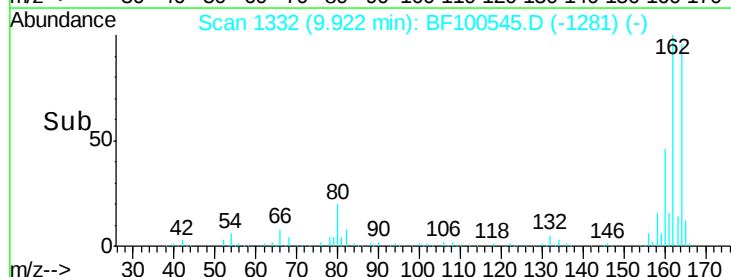
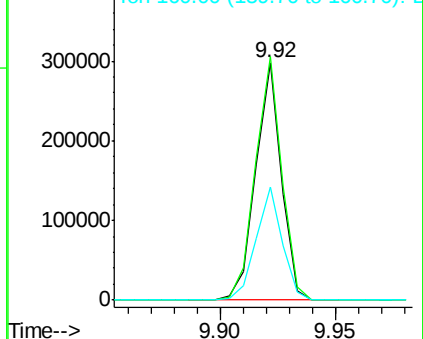


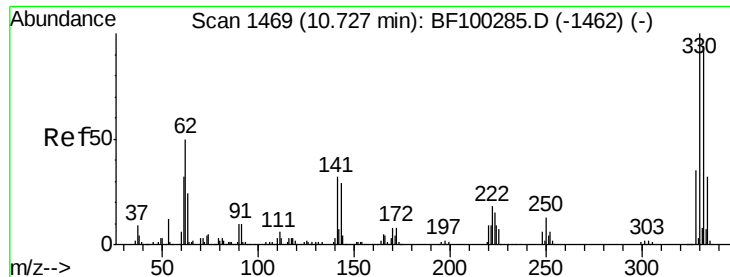
#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.92 min Scan# 1332
Delta R.T. 0.00 min
Lab File: BF100545.D
Acq: 14 Nov 2017 16:27

Tgt Ion:164 Resp: 231276
Ion Ratio Lower Upper
164 100
162 102.4 86.1 129.1
160 47.4 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

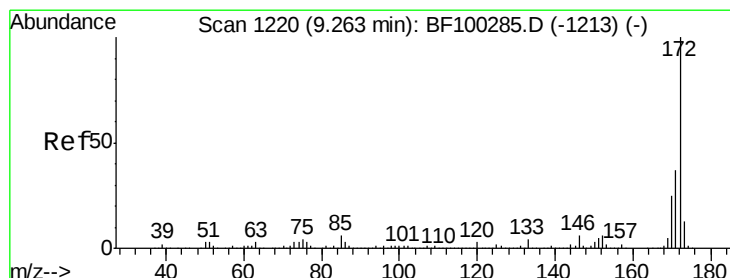
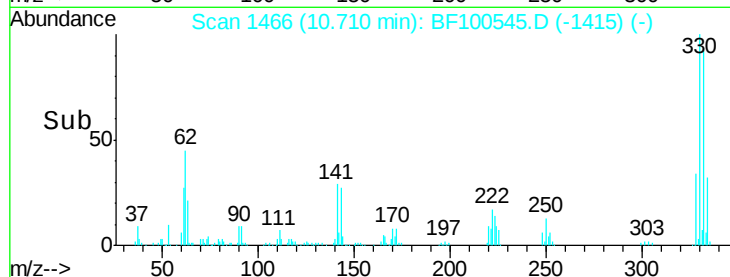
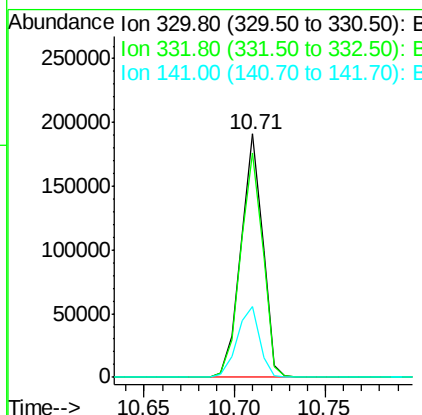
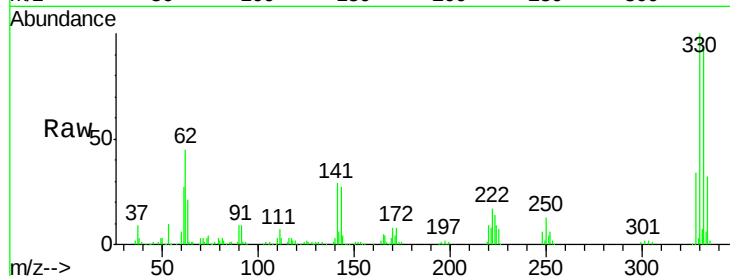




#41
 2,4,6-Tribromophenol
 Concen: 67.66 ng
 RT: 10.71 min Scan# 1466
 Delta R.T. 0.00 min
 Lab File: BF100545.D
 Acq: 14 Nov 2017 16:27

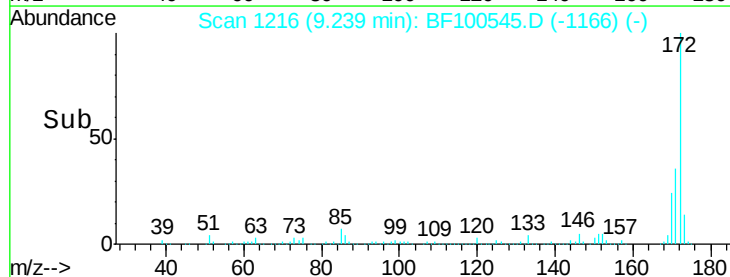
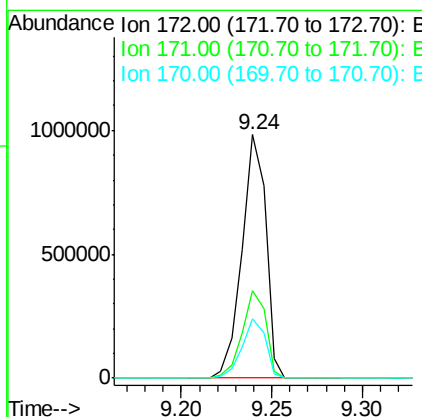
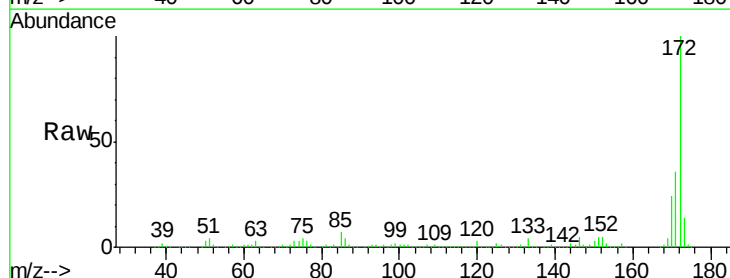
Instrument :
 BNA_F
 ClientSampleId :
 3N-20

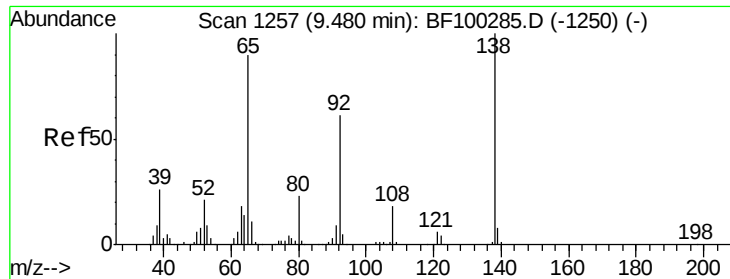
Tgt Ion:330 Resp: 159459
 Ion Ratio Lower Upper
 330 100
 332 94.3 77.0 115.6
 141 30.3 29.9 44.9



#44
 2-Fluorobiphenyl
 Concen: 59.33 ng
 RT: 9.24 min Scan# 1216
 Delta R.T. -0.01 min
 Lab File: BF100545.D
 Acq: 14 Nov 2017 16:27

Tgt Ion:172 Resp: 901109
 Ion Ratio Lower Upper
 172 100
 171 36.1 29.7 44.5
 170 24.3 19.6 29.4

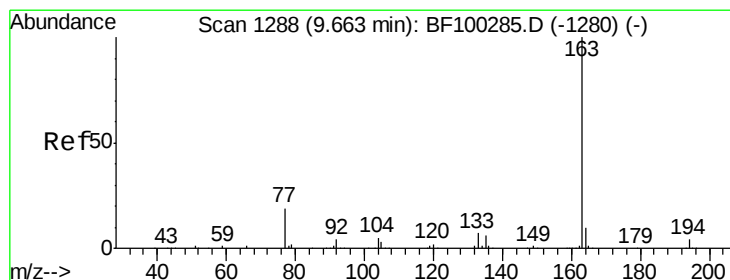
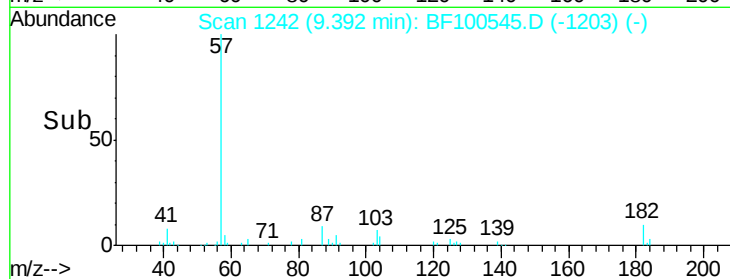
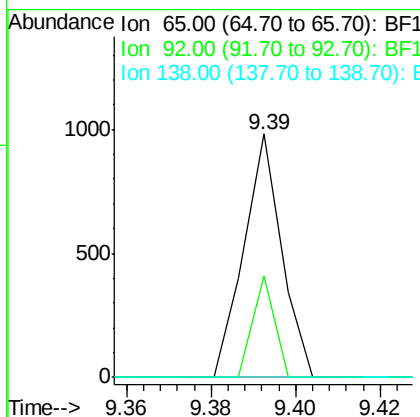
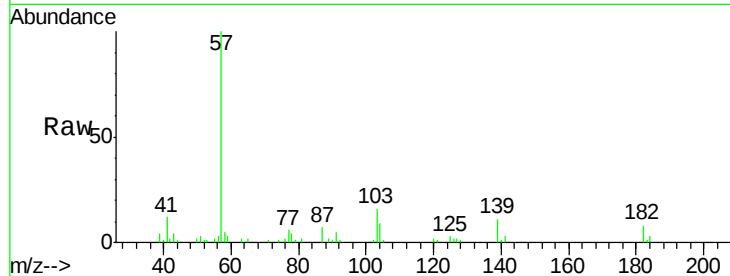




#47
 2-Nitroaniline
 Concen: 2.92 ng
 RT: 9.39 min Scan# 1242
 Delta R.T. -0.07 min
 Lab File: BF100545.D
 Acq: 14 Nov 2017 16:27

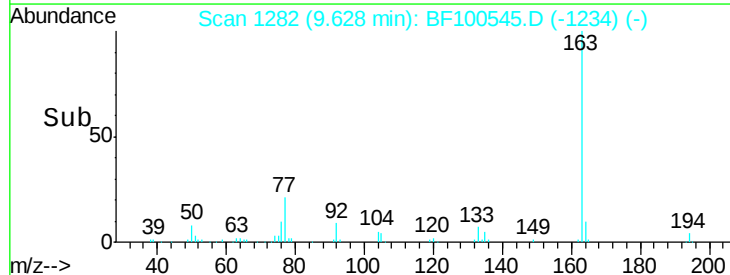
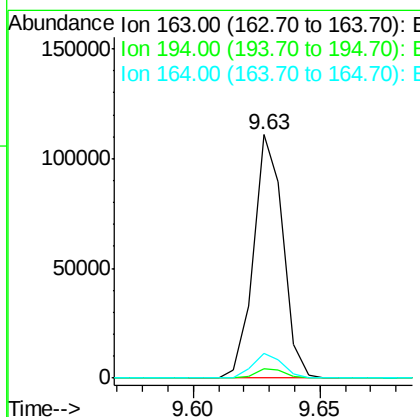
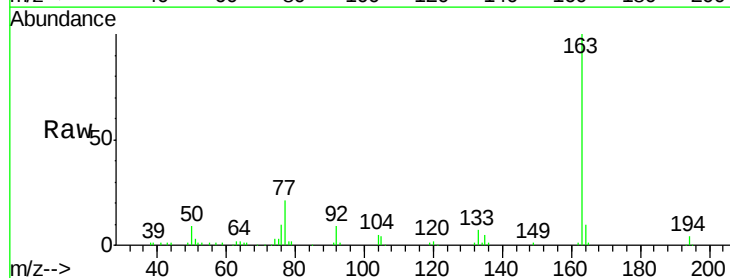
Instrument :
 BNA_F
 ClientSampled :
 3N-20

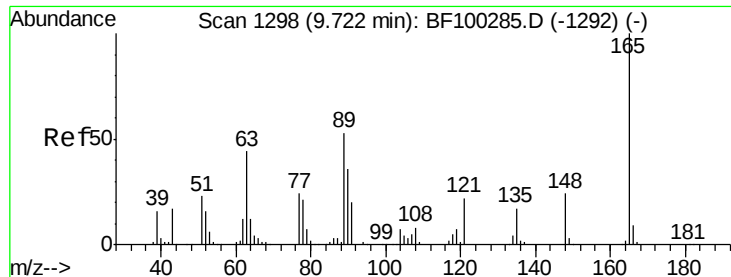
Tgt Ion: 65 Resp: 608
 Ion Ratio Lower Upper
 65 100
 92 42.0 55.8 83.6#
 138 0.0 91.2 136.8#



#49
 Dimethylphthalate
 Concen: 5.09 ng
 RT: 9.63 min Scan# 1282
 Delta R.T. -0.02 min
 Lab File: BF100545.D
 Acq: 14 Nov 2017 16:27

Tgt Ion: 163 Resp: 89818
 Ion Ratio Lower Upper
 163 100
 194 3.8 2.7 4.1
 164 10.3 8.2 12.2

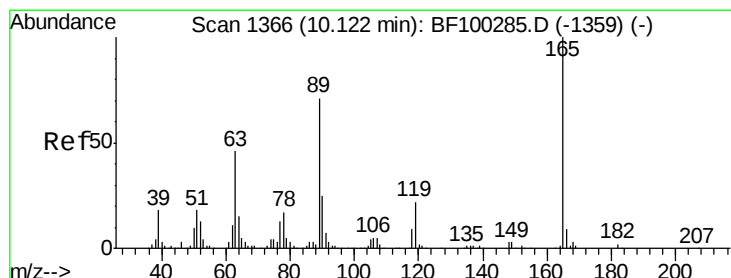
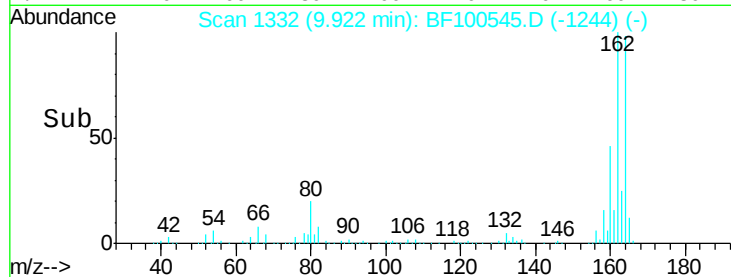
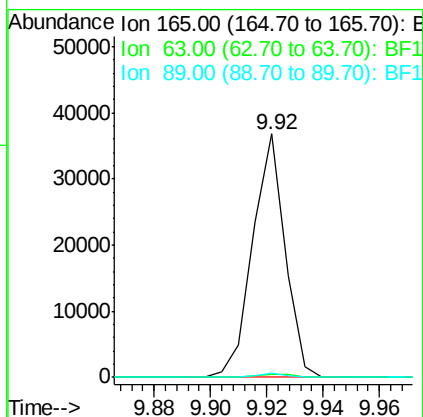
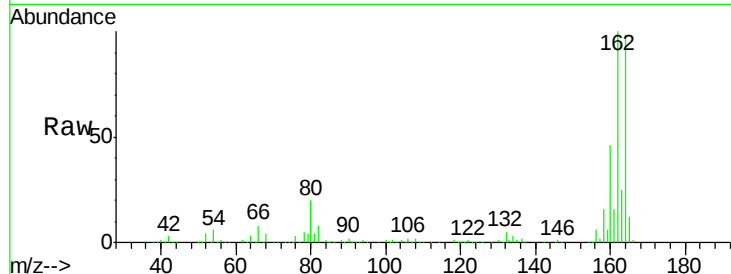




#50
2,6-Dinitrotoluene
Concen: 8.37 ng
RT: 9.92 min Scan# 1332
Delta R.T. 0.22 min
Lab File: BF100545.D
Acq: 14 Nov 2017 16:27

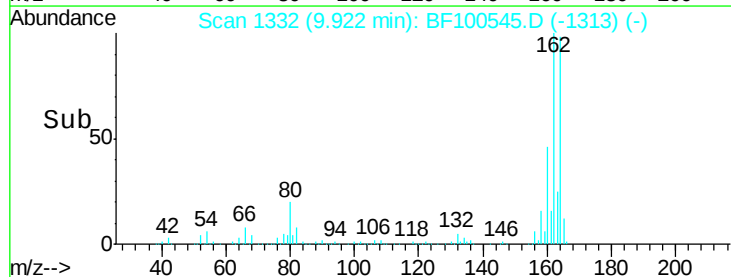
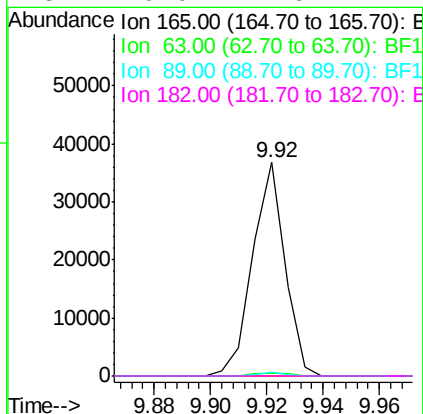
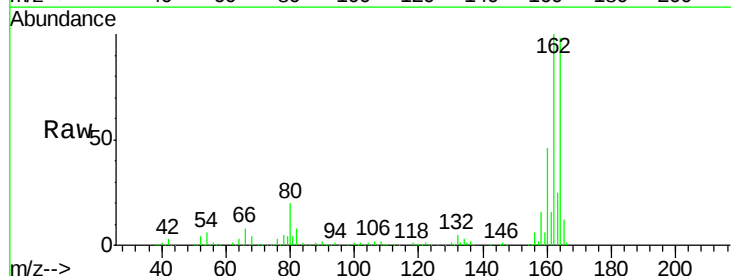
Instrument :
BNA_F
ClientSampleId :
3N-20

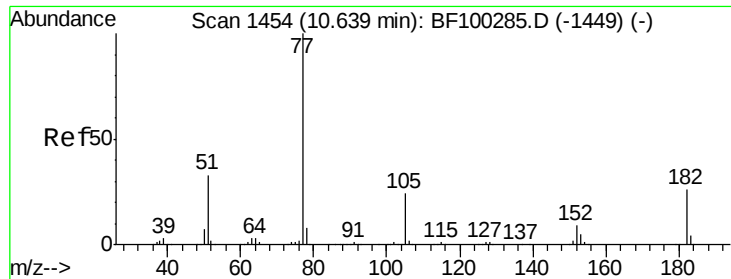
Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.3	44.7	67.1#
89	1.5	44.0	66.0#



#56
2,4-Dinitrotoluene
Concen: 6.64 ng
RT: 9.92 min Scan# 1332
Delta R.T. -0.19 min
Lab File: BF100545.D
Acq: 14 Nov 2017 16:27

Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.3	36.4	54.6#
89	1.5	57.8	86.6#
182	0.0	1.6	2.4#





#62

Azobenzene

Concen: 3.42 ng

RT: 10.63 min Scan# 1452

Delta R.T. 0.01 min

Lab File: BF100545.D

Acq: 14 Nov 2017 16:27

Instrument :

BNA_F

ClientSampleId :

3N-20

Tgt Ion: 77 Resp: 56917

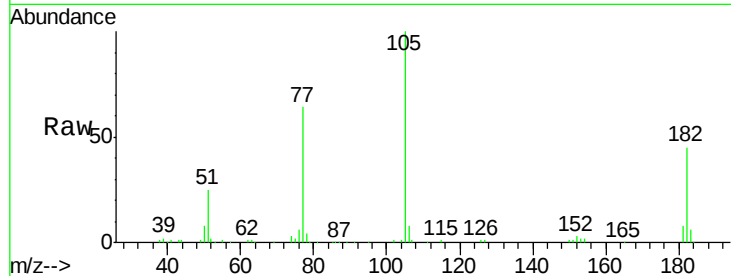
Ion Ratio Lower Upper

77 100

182 70.4 1.7 41.7#

105 156.4 3.0 43.0#

51 39.4 9.9 49.9

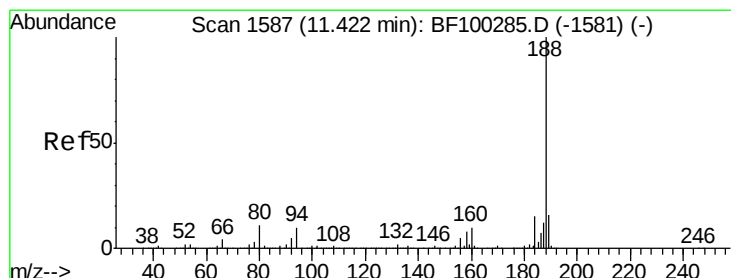
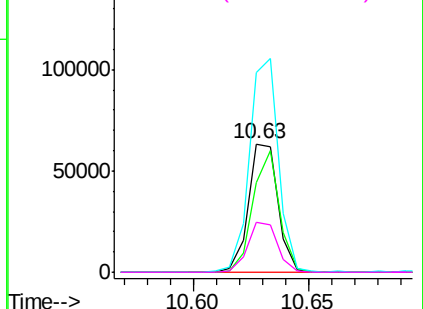
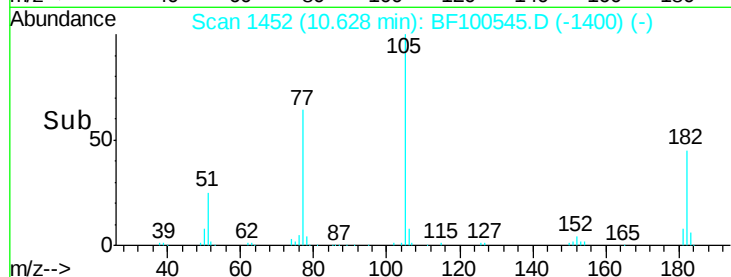


Abundance Ion 77.00 (76.70 to 77.70): BF1

Ion 182.00 (181.70 to 182.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 51.00 (50.70 to 51.70): BF1



#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 11.41 min Scan# 1585

Delta R.T. 0.00 min

Lab File: BF100545.D

Acq: 14 Nov 2017 16:27

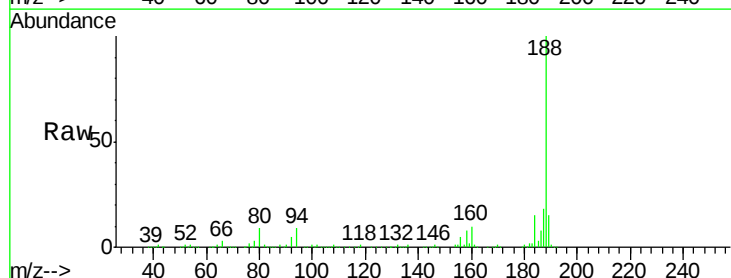
Tgt Ion: 188 Resp: 371212

Ion Ratio Lower Upper

188 100

94 9.0 8.5 12.7

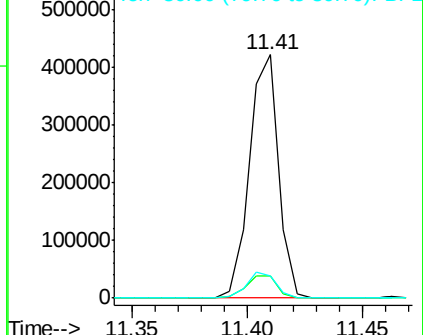
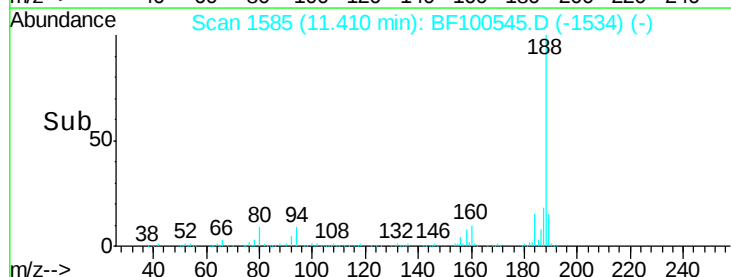
80 9.3 9.2 13.8

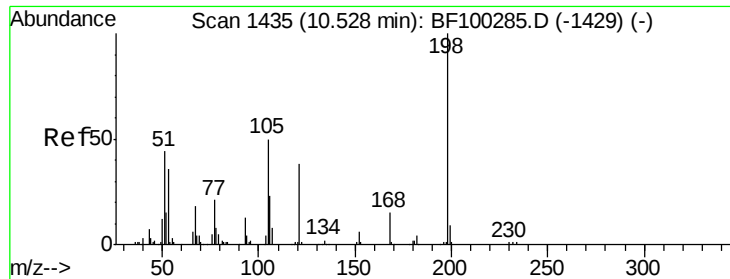


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF1

Ion 80.00 (79.70 to 80.70): BF1

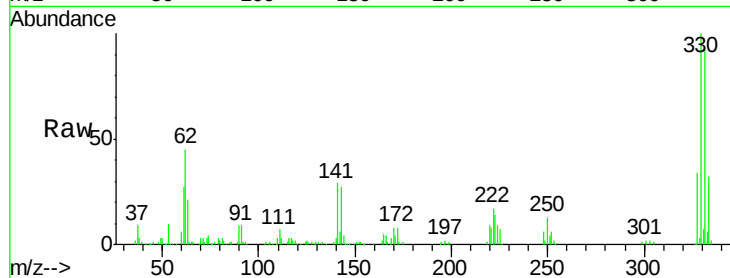




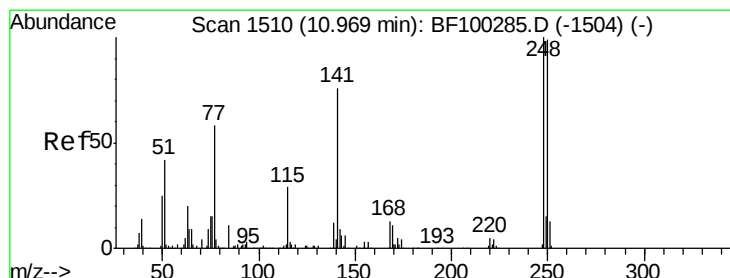
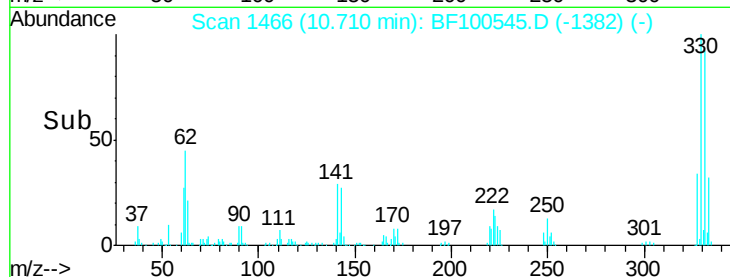
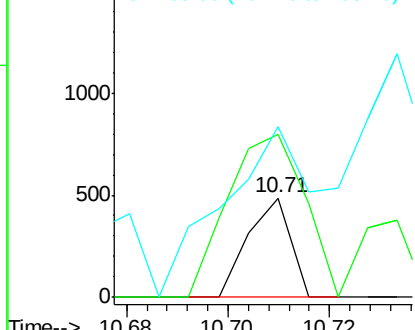
#64
4,6-Dinitro-2-methylphenol
Concen: 8.69 ng
RT: 10.71 min Scan# 1466
Delta R.T. 0.19 min
Lab File: BF100545.D
Acq: 14 Nov 2017 16:27

Instrument :
BNA_F
ClientSampleId :
3N-20

Tgt Ion:198 Resp: 284
Ion Ratio Lower Upper
198 100
51 164.3 37.7 77.7#
105 171.3 36.3 76.3#

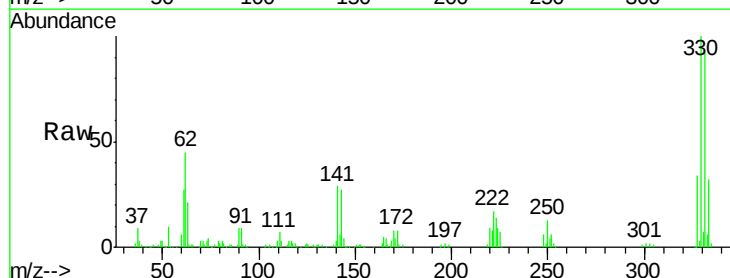


Abundance Ion 198.00 (197.70 to 198.70): E
Ion 51.00 (50.70 to 51.70): BF1
Ion 105.00 (104.70 to 105.70): E

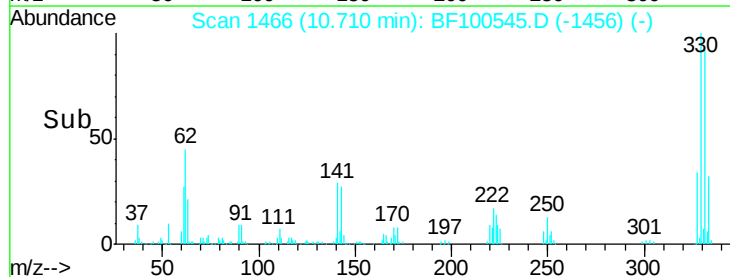
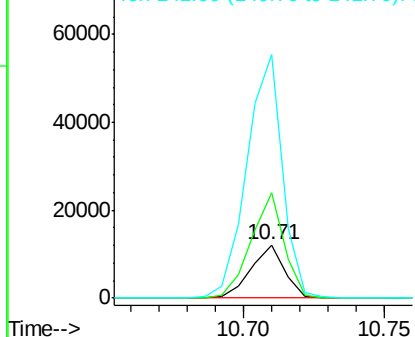


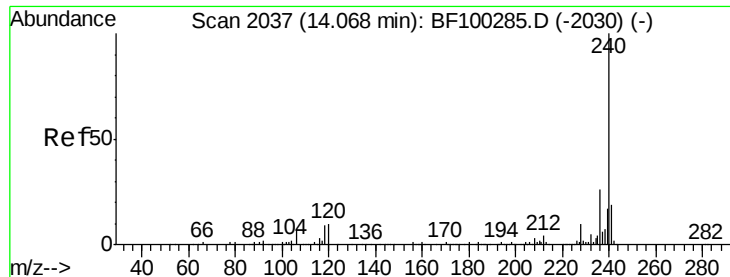
#66
4-Bromophenyl-phenylether
Concen: 2.51 ng
RT: 10.71 min Scan# 1466
Delta R.T. -0.24 min
Lab File: BF100545.D
Acq: 14 Nov 2017 16:27

Tgt Ion:248 Resp: 9993
Ion Ratio Lower Upper
248 100
250 198.2 76.9 115.3#
141 458.1 74.4 111.6#



Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E





#75

Chrysene-d12

Concen: 20.00 ng

RT: 14.04 min Scan# 2033

Delta R.T. -0.01 min

Lab File: BF100545.D

Acq: 14 Nov 2017 16:27

Instrument :

BNA_F

ClientSampleId :

3N-20

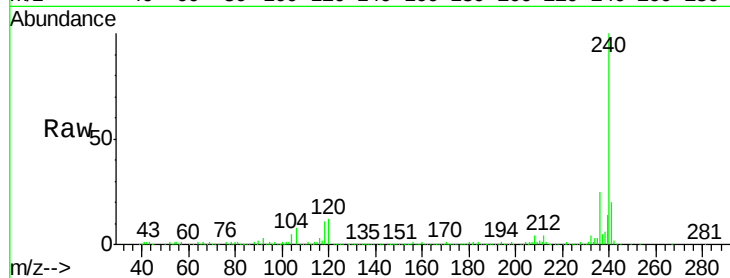
Tgt Ion:240 Resp: 310253

Ion Ratio Lower Upper

240 100

120 12.0 9.5 14.3

236 25.3 20.7 31.1

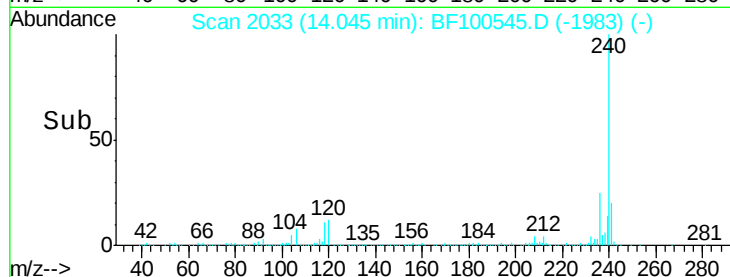


Abundance Ion 240.00 (239.70 to 240.70): E

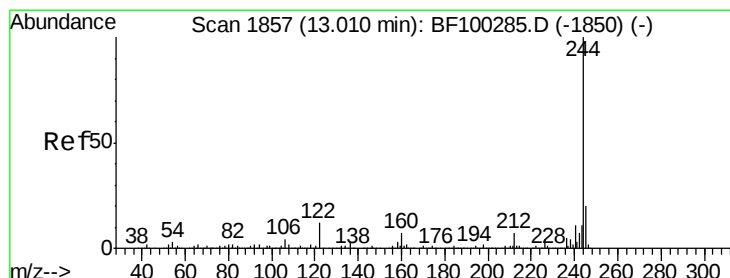
Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

14.04



Time-->



#78

Terphenyl-d14

Concen: 47.81 ng

RT: 12.99 min Scan# 1854

Delta R.T. 0.00 min

Lab File: BF100545.D

Acq: 14 Nov 2017 16:27

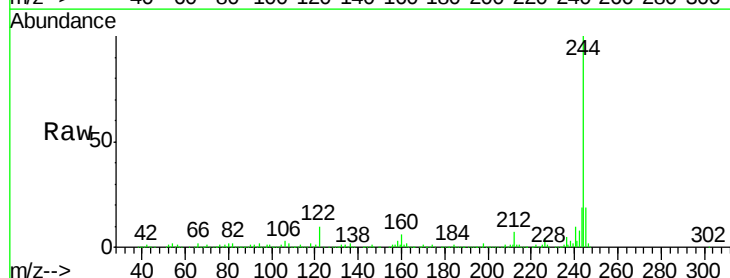
Tgt Ion:244 Resp: 645526

Ion Ratio Lower Upper

244 100

212 6.6 5.4 8.0

122 10.1 11.0 16.4#

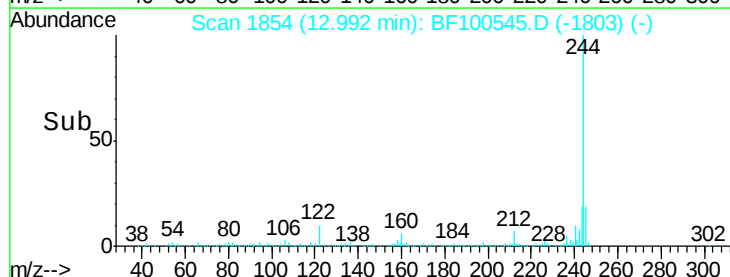


Abundance Ion 244.00 (243.70 to 244.70): E

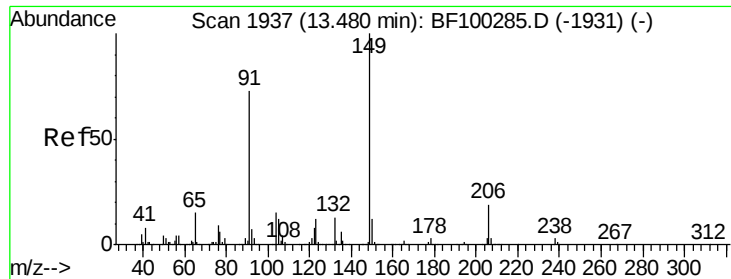
Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

12.99



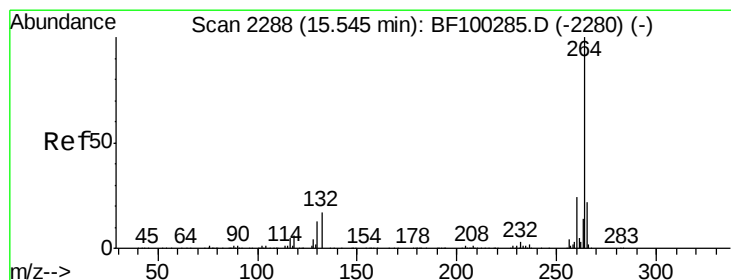
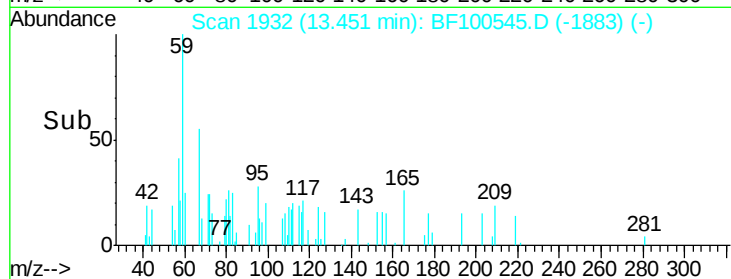
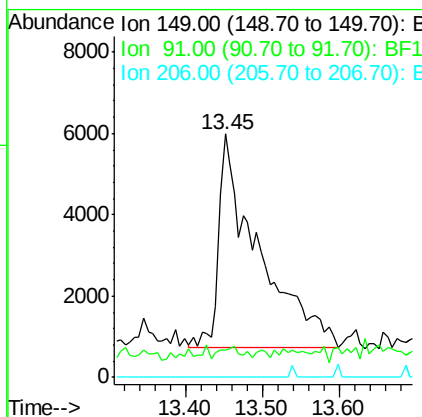
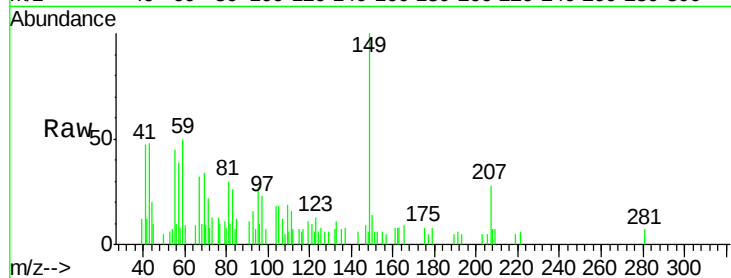
Time-->



#79
Butylbenzylphthalate
Concen: 2.08 ng
RT: 13.45 min Scan# 1932
Delta R.T. -0.01 min
Lab File: BF100545.D
Acq: 14 Nov 2017 16:27

Instrument :
BNA_F
ClientSampleId :
3N-20

Tgt Ion:149 Resp: 18794
Ion Ratio Lower Upper
149 100
91 11.5 56.8 85.2#
206 0.0 14.1 21.1#



#86
Perylene-d12
Concen: 20.00 ng
RT: 15.52 min Scan# 2284
Delta R.T. 0.00 min
Lab File: BF100545.D
Acq: 14 Nov 2017 16:27

Tgt Ion:264 Resp: 223271
Ion Ratio Lower Upper
264 100
260 24.1 19.2 28.8
265 21.0 17.5 26.3

