

Data Path : Z:\HPCHEM1\BNA F\DATA\BF122217\
 Data File : BF101683.D
 Acq On : 23 Dec 2017 5:54
 Operator : SJ/JU
 Sample : I6683-10
 Misc :
 ALS Vial : 33 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 EO-02-122017-B

Quant Time: Dec 24 22:30:43 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF121417.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Dec 22 16:07:58 2017
 Response via : Initial Calibration

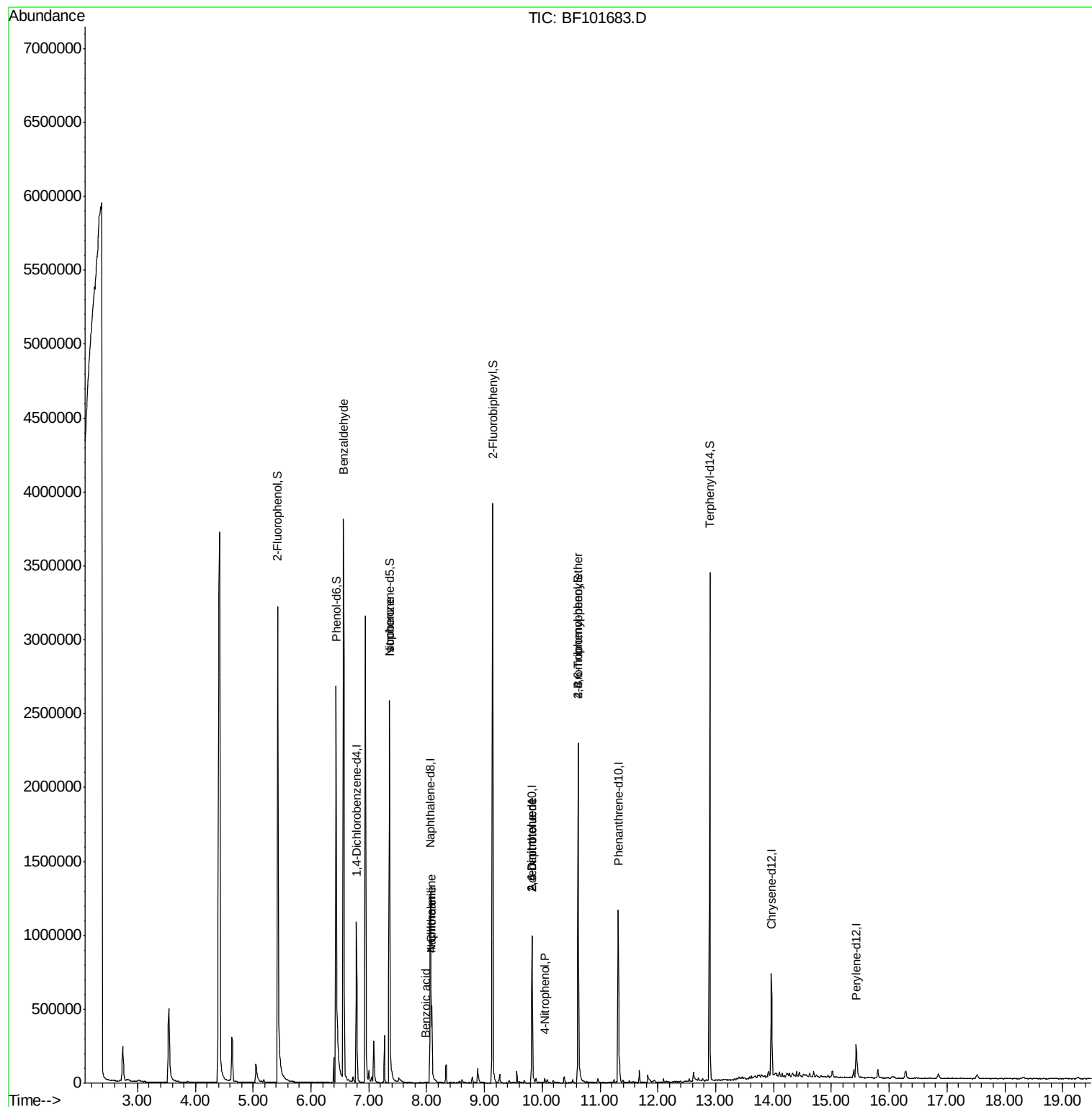
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.79	152	159210	20.00	ng	0.00
21) Naphthalene-d8	8.07	136	612868	20.00	ng	0.00
38) Acenaphthene-d10	9.82	164	180878	20.00	ng	0.00
63) Phenanthrene-d10	11.32	188	410853	20.00	ng	0.00
75) Chrysene-d12	13.96	240	223655	20.00	ng	0.00
86) Perylene-d12	15.43	264	98353	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.42	112	1216868	113.85	ng	0.02
7) Phenol-d6	6.43	99	1148979	86.38	ng	0.00
23) Nitrobenzene-d5	7.36	82	963018	87.47	ng	0.00
41) 2,4,6-Tribromophenol	10.62	330	332205	190.60	ng	0.00
44) 2-Fluorobiphenyl	9.15	172	1536653	131.79	ng	0.00
78) Terphenyl-d14	12.90	244	1159338	124.96	ng	0.00
Target Compounds						
9) Benzaldehyde	6.56	77	25074	2.552	ng	81
25) Isophorone	7.36	82	963011	43.602	ng	# 64
31) Naphthalene	8.09	128	289211	9.374	ng	98
32) Benzoic acid	7.99	122	129	7.979	ng	# 47
33) 4-Chloroaniline	8.09	127	37002	2.759	ng	# 35
50) 2,6-Dinitrotoluene	9.82	165	22570	7.633	ng	# 27
55) 4-Nitrophenol	10.04	139	5354	3.331	ng	# 9
56) 2,4-Dinitrotoluene	9.82	165	22570	6.775	ng	# 25
66) 4-Bromophenyl-phenylether	10.62	248	20445	4.429	ng	# 1

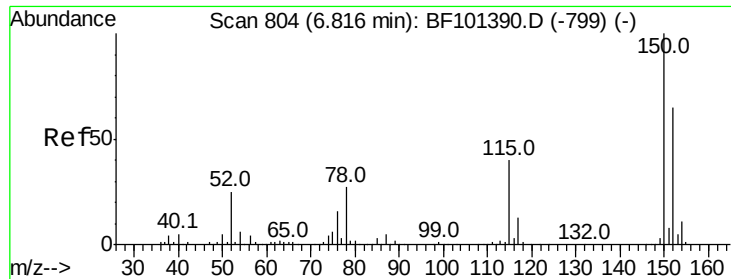
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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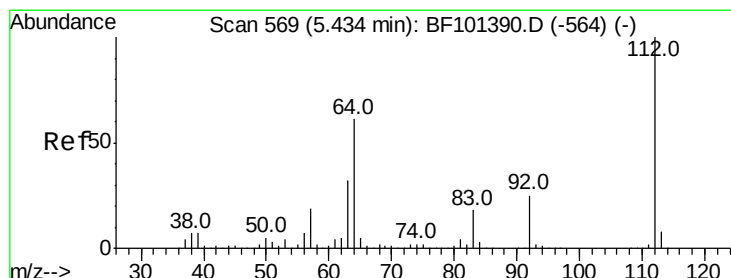
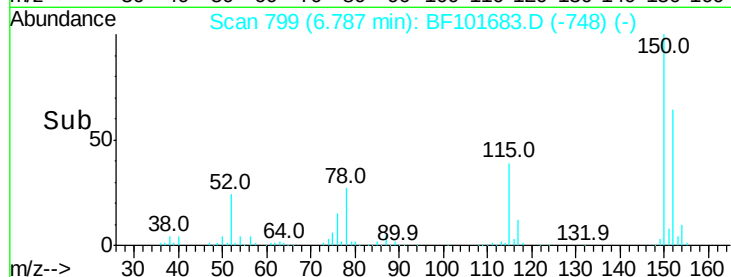
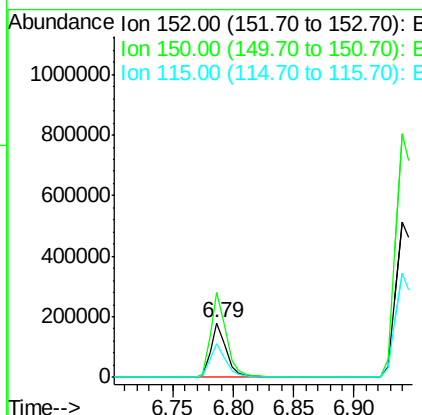
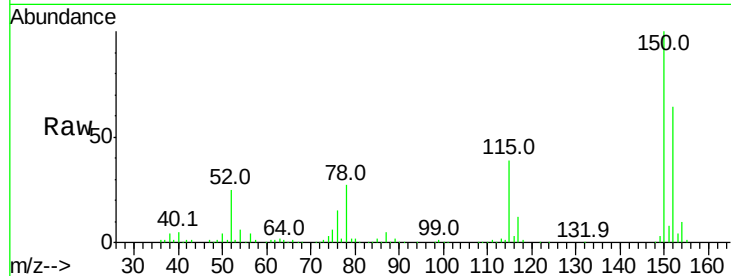


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.79 min Scan# 799
Delta R.T. 0.00 min
Lab File: BF101683.D
Acq: 23 Dec 2017 5:54

Instrument :
BNA_F
ClientSampleId :
EO-02-122017-B

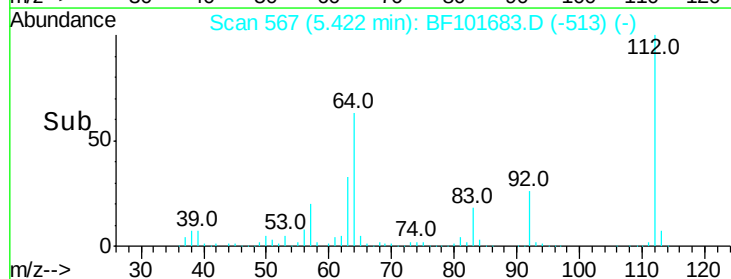
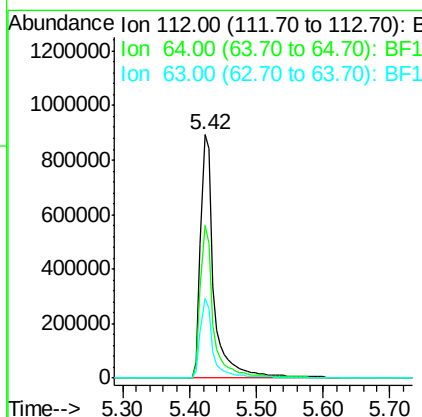
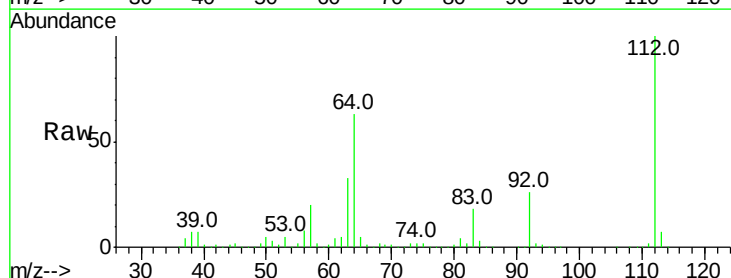
Tot Ion:152 Resp: 159210
Ion Ratio Lower Upper
152 100
150 156.3 124.6 186.8
115 60.8 50.1 75.1

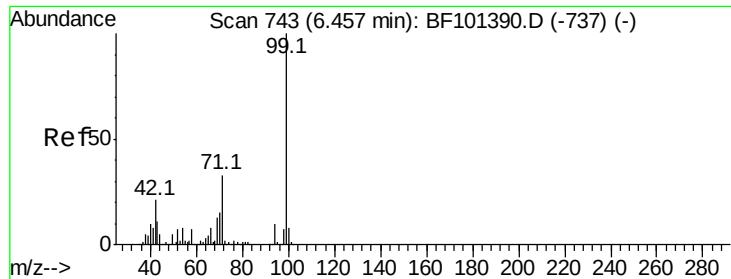


#5

2-Fluorophenol
Concen: 113.851 ng
RT: 5.42 min Scan# 567
Delta R.T. 0.02 min
Lab File: BF101683.D
Acq: 23 Dec 2017 5:54

Tgt Ion:112 Resp: 1216868
Ion Ratio Lower Upper
112 100
64 62.9 47.9 71.9
63 32.6 23.7 35.5





#7

Phenol-d6

Concen: 86.377 ng

RT: 6.43 min Scan# 739

Delta R.T. 0.00 min

Lab File: BF101683.D

Acq: 23 Dec 2017 5:54

Instrument :

BNA_F

ClientSampleId :

EO-02-122017-B

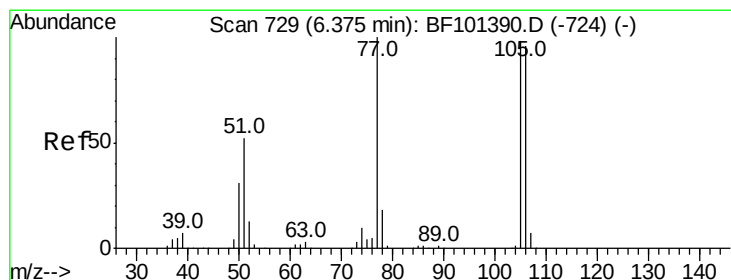
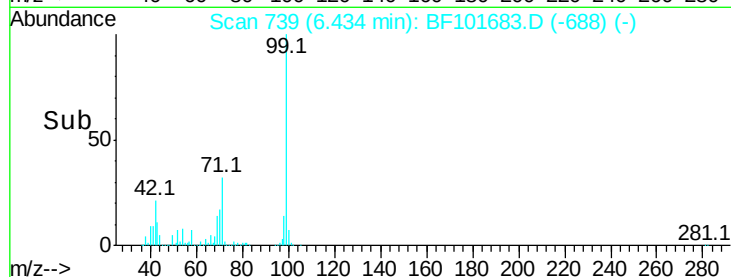
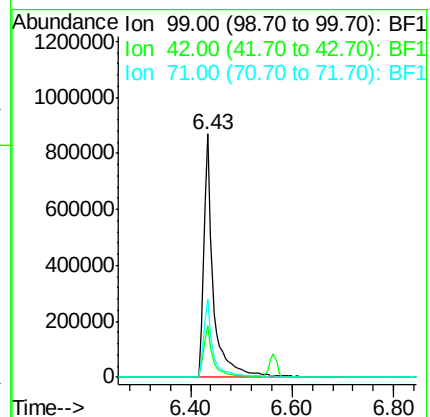
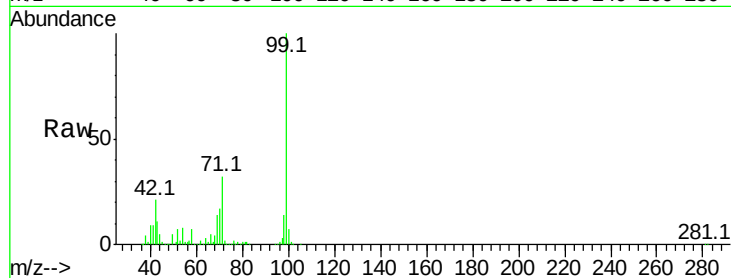
Tot Ion: 99 Resp: 1148979

Ion Ratio Lower Upper

99 100

42 21.1 14.5 21.7

71 32.4 25.4 38.0



#9

Benzaldehyde

Concen: 2.552 ng

RT: 6.56 min Scan# 761

Delta R.T. 0.22 min

Lab File: BF101683.D

Acq: 23 Dec 2017 5:54

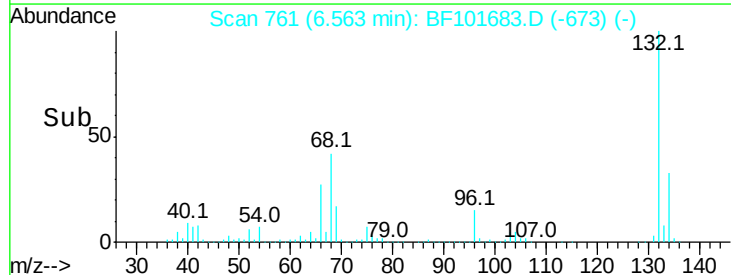
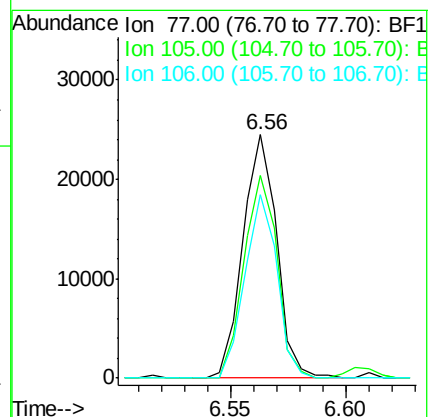
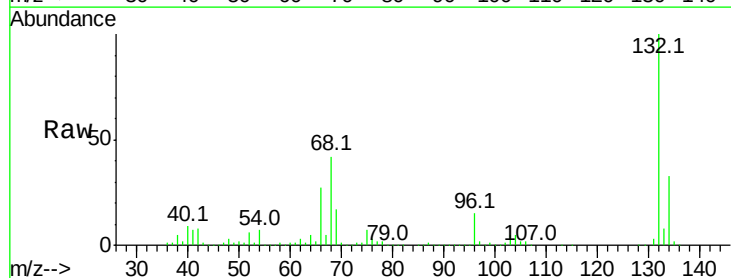
Tgt Ion: 77 Resp: 25074

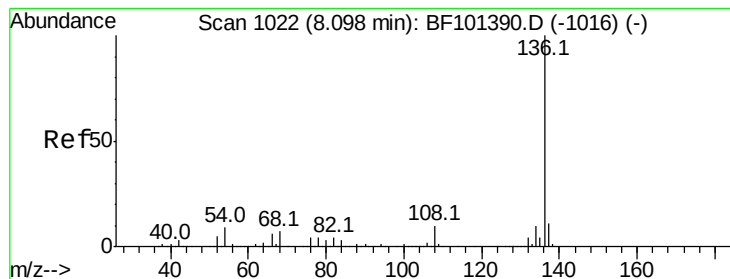
Ion Ratio Lower Upper

77 100

105 83.3 81.1 121.1

106 75.6 74.5 114.5





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.07 min Scan# 1017

Delta R.T. 0.00 min

Lab File: BF101683.D

Acq: 23 Dec 2017 5:54

Instrument :

BNA_F

ClientSampleId :

EO-02-122017-B

Tot Ion:136 Resp: 612868

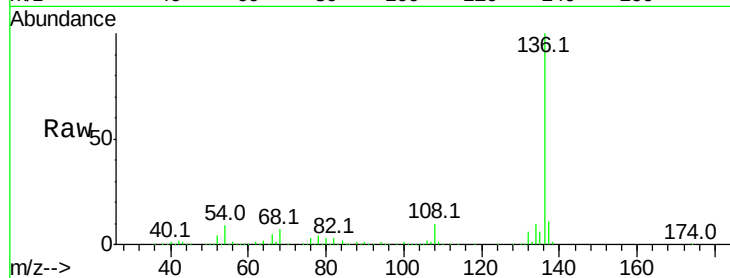
Ion Ratio Lower Upper

136 100

137 11.1 8.9 13.3

54 8.7 6.6 9.8

68 6.8 5.0 7.4

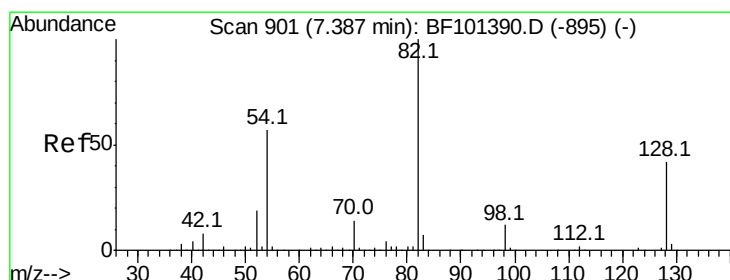
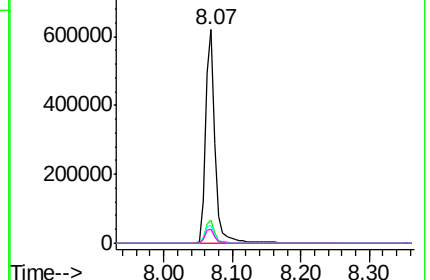
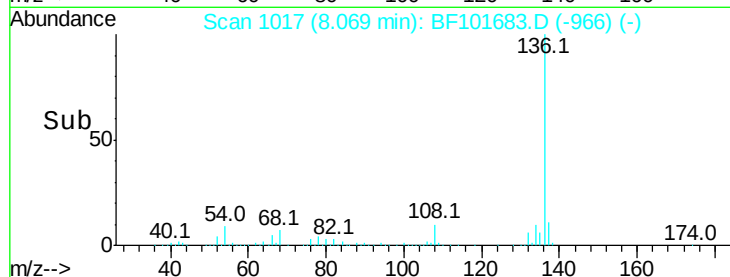


Abundance Ion 136.00 (135.70 to 136.70): E

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: 87.469 ng

RT: 7.36 min Scan# 896

Delta R.T. -0.01 min

Lab File: BF101683.D

Acq: 23 Dec 2017 5:54

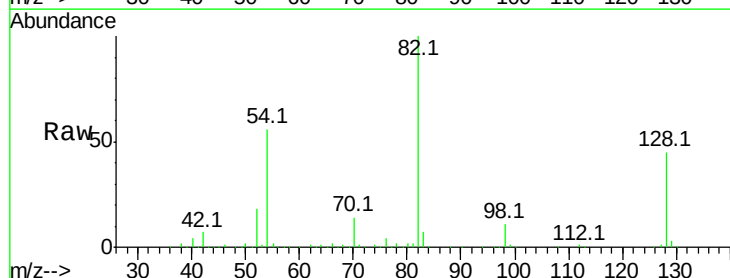
Tgt Ion: 82 Resp: 963018

Ion Ratio Lower Upper

82 100

128 44.5 36.1 54.1

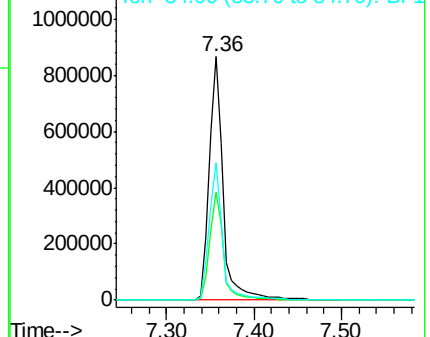
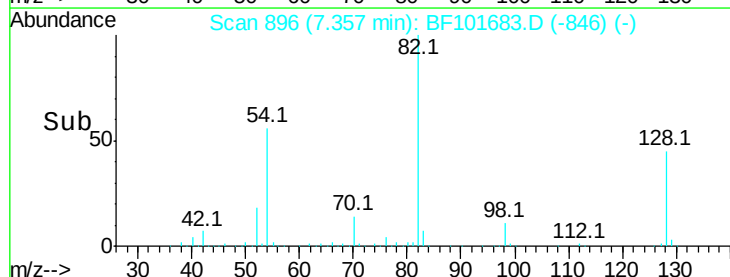
54 56.2 41.4 62.2

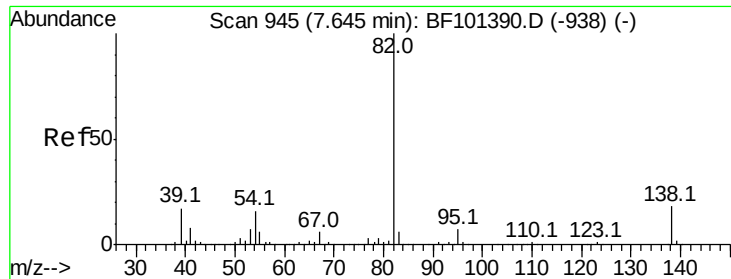


Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF1





#25

Isophorone

Concen: 43.602 ng

RT: 7.36 min Scan# 896

Delta R.T. -0.26 min

Lab File: BF101683.D

Acq: 23 Dec 2017 5:54

Instrument :

BNA_F

ClientSampleId :

EO-02-122017-B

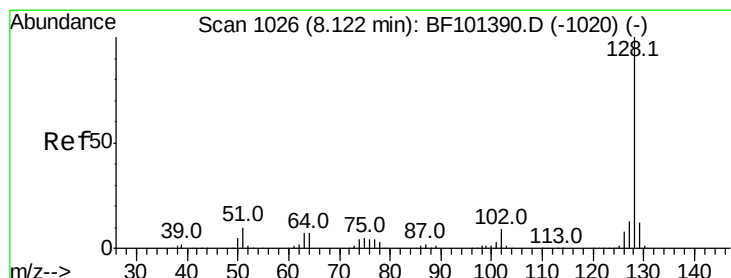
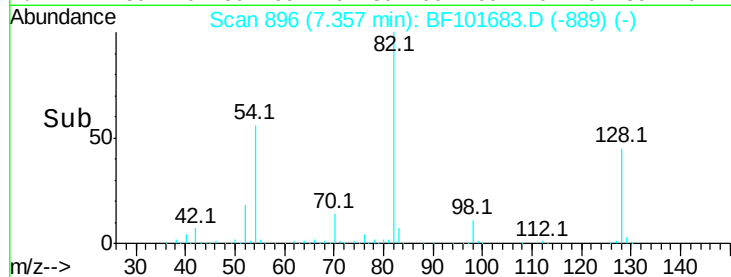
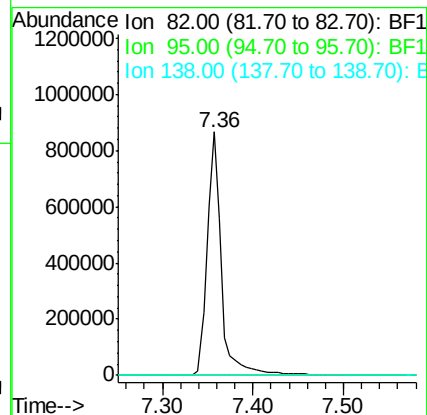
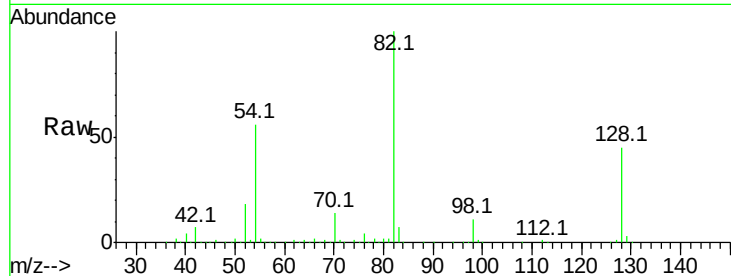
Tot Ion: 82 Resp: 963011

Ion Ratio Lower Upper

82 100

95 0.0 5.2 7.8#

138 0.0 14.9 22.3#



#31

Naphthalene

Concen: 9.374 ng

RT: 8.09 min Scan# 1020

Delta R.T. -0.01 min

Lab File: BF101683.D

Acq: 23 Dec 2017 5:54

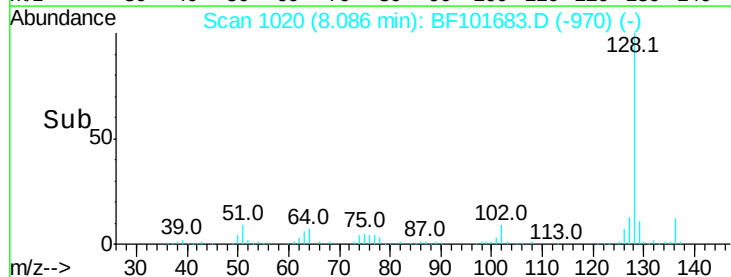
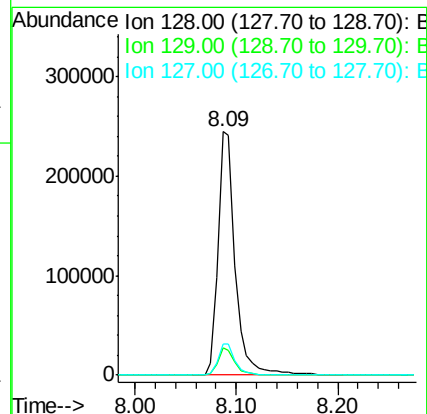
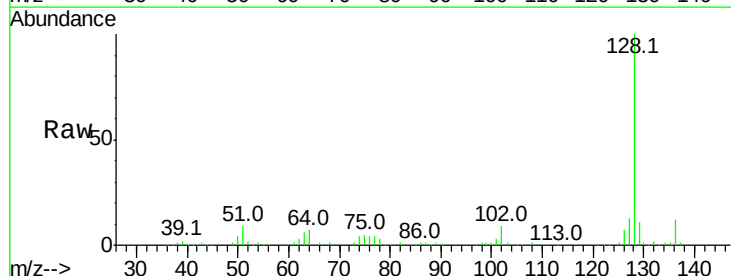
Tgt Ion: 128 Resp: 289211

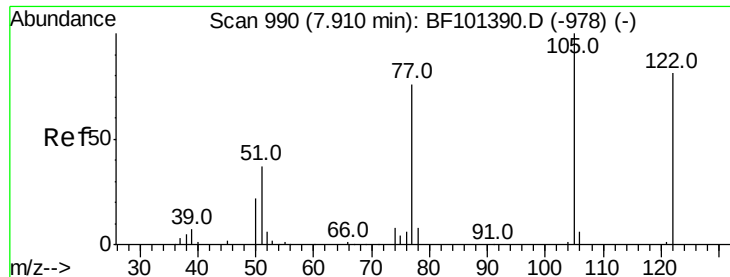
Ion Ratio Lower Upper

128 100

129 11.2 8.8 13.2

127 12.7 10.9 16.3

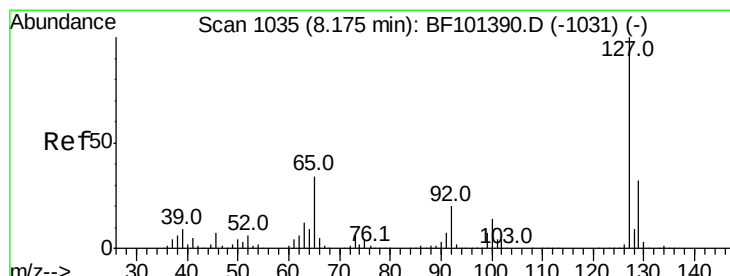
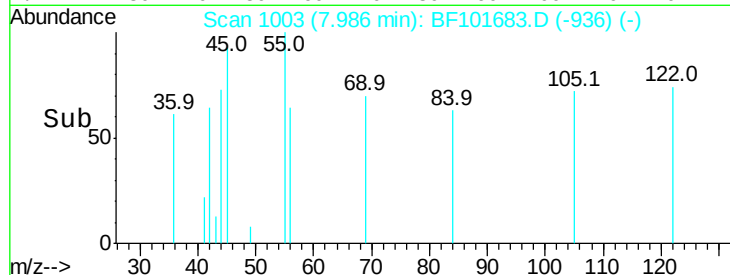
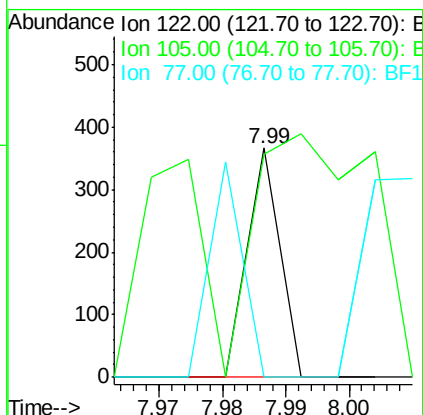
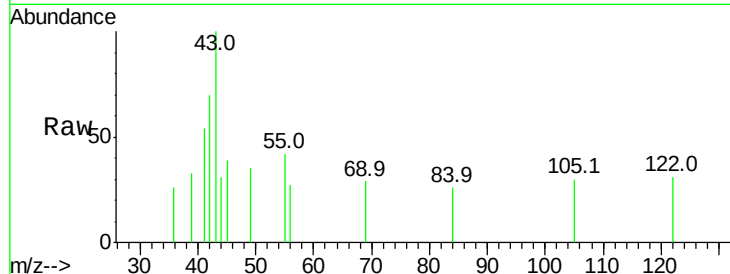




#32
Benzoic acid
Concen: 7.979 ng
RT: 7.99 min Scan# 1003
Delta R.T. 0.09 min
Lab File: BF101683.D
Acq: 23 Dec 2017 5:54

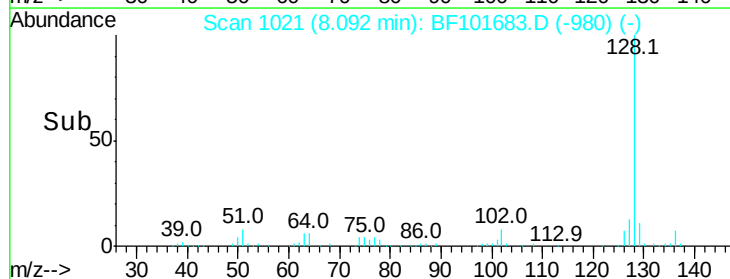
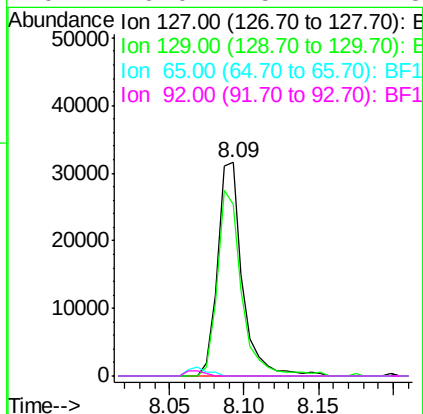
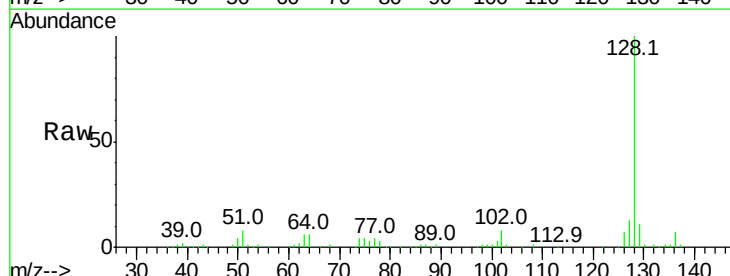
Instrument :
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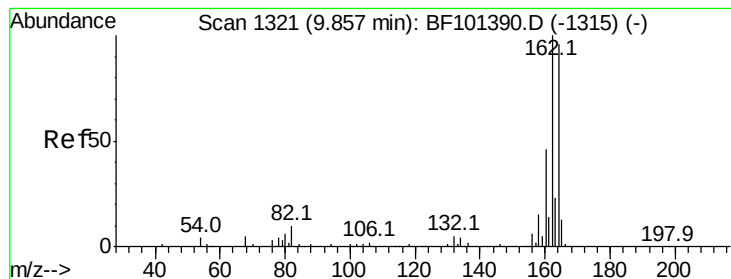
Tot Ion:122 Resp: 129
Ion Ratio Lower Upper
122 100
105 97.3 101.1 141.1#
77 0.0 70.7 110.7#



#33
4-Chloroaniline
Concen: 2.759 ng
RT: 8.09 min Scan# 1021
Delta R.T. -0.06 min
Lab File: BF101683.D
Acq: 23 Dec 2017 5:54

Tgt Ion:127 Resp: 37002
Ion Ratio Lower Upper
127 100
129 80.4 25.9 38.9#
65 0.0 25.0 37.4#
92 0.0 15.2 22.8#





#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.82 min Scan# 1315

Delta R.T. -0.01 min

Lab File: BF101683.D

Acq: 23 Dec 2017 5:54

Instrument :

BNA_F

ClientSampleId :

EO-02-122017-B

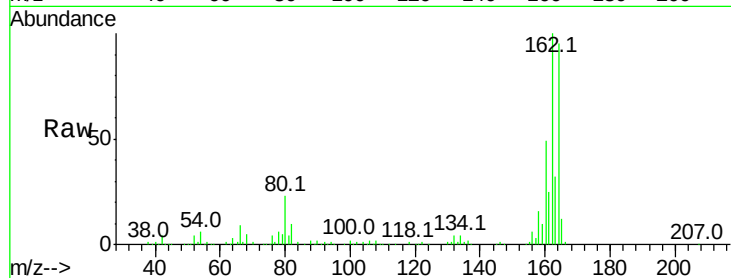
Tot Ion:164 Resp: 180878

Ion Ratio Lower Upper

164 100

162 104.8 86.1 129.1

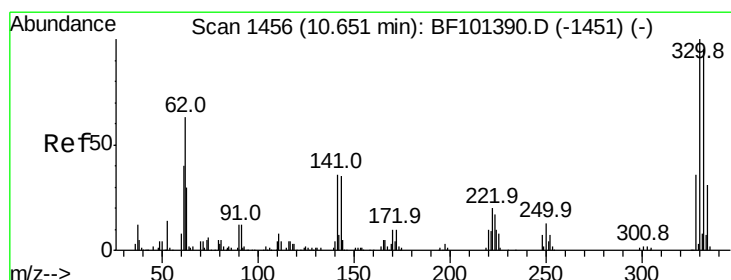
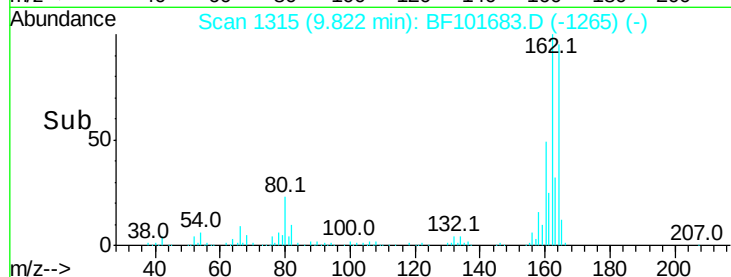
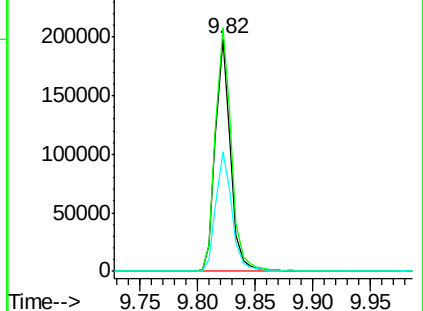
160 51.7 38.3 57.5



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: 190.605 ng

RT: 10.62 min Scan# 1451

Delta R.T. 0.00 min

Lab File: BF101683.D

Acq: 23 Dec 2017 5:54

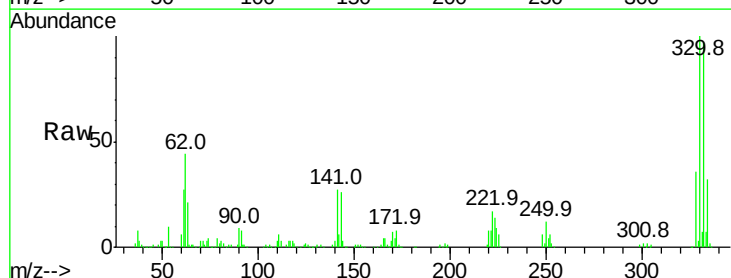
Tgt Ion:330 Resp: 332205

Ion Ratio Lower Upper

330 100

332 97.2 77.0 115.6

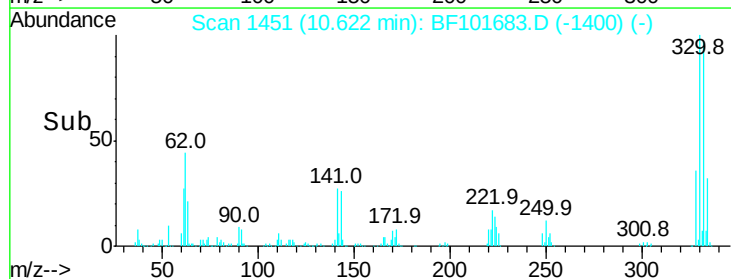
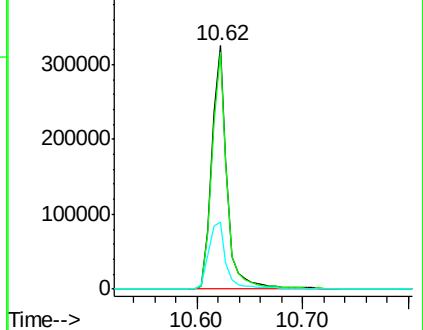
141 31.5 29.9 44.9

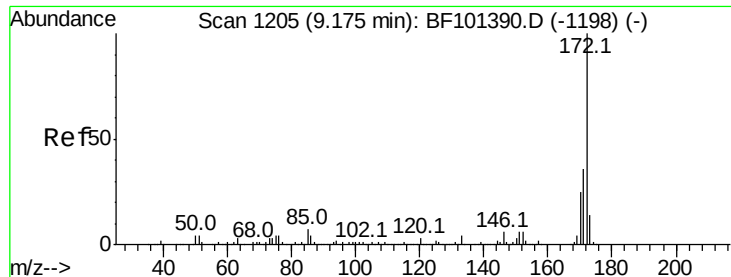


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E





#44

2-Fluorobiphenyl

Concen: 131.786 ng

RT: 9.15 min Scan# 1200

Delta R.T. 0.00 min

Lab File: BF101683.D

Acq: 23 Dec 2017 5:54

Instrument :

BNA_F

ClientSampleId :

EO-02-122017-B

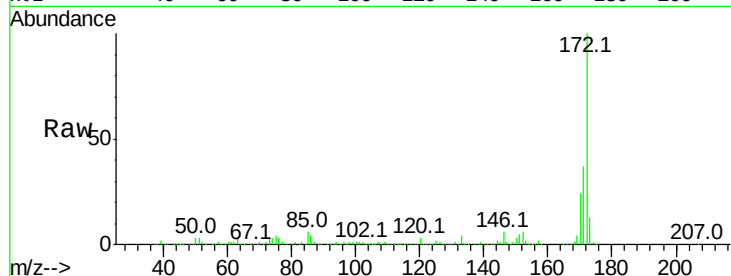
Tot Ion:172 Resp: 1536653

Ion Ratio Lower Upper

172 100

171 37.0 29.7 44.5

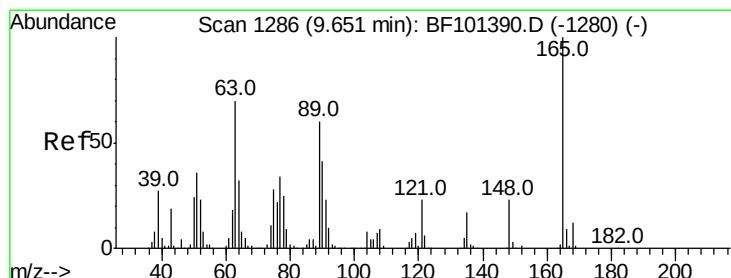
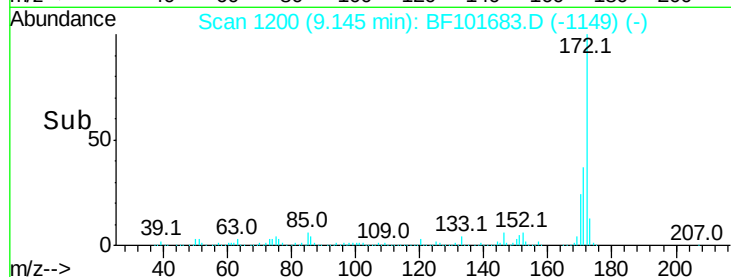
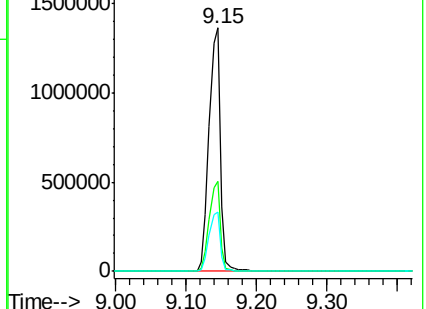
170 24.3 19.6 29.4



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



#50

2,6-Dinitrotoluene

Concen: 7.633 ng

RT: 9.82 min Scan# 1315

Delta R.T. 0.19 min

Lab File: BF101683.D

Acq: 23 Dec 2017 5:54

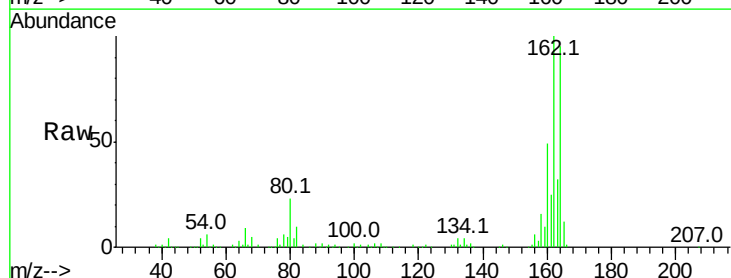
Tgt Ion:165 Resp: 22570

Ion Ratio Lower Upper

165 100

63 2.4 44.7 67.1#

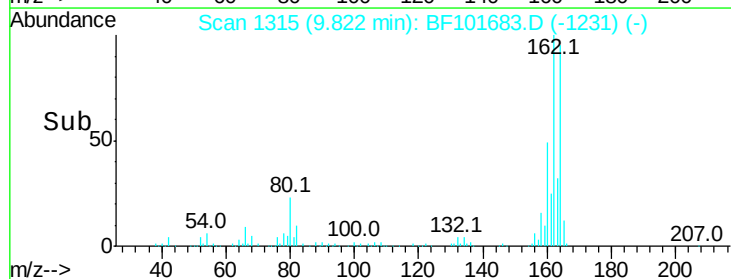
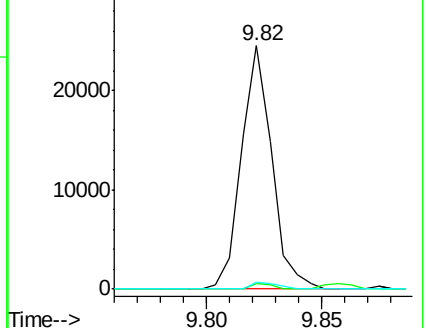
89 2.6 44.0 66.0#

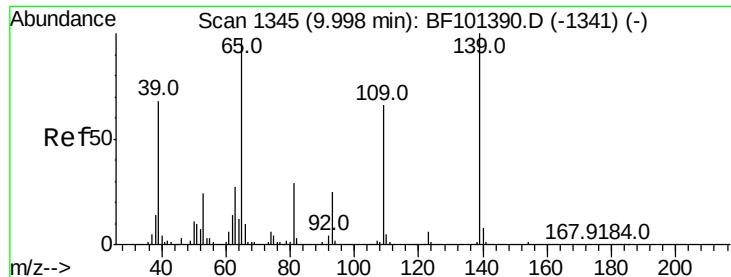


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF1

Ion 89.00 (88.70 to 89.70): BF1





#55

4-Nitrophenol

Concen: 3.331 ng

RT: 10.04 min Scan# 1352

Delta R.T. 0.06 min

Lab File: BF101683.D

Acq: 23 Dec 2017 5:54

Instrument :

BNA_F

ClientSampleId :

EO-02-122017-B

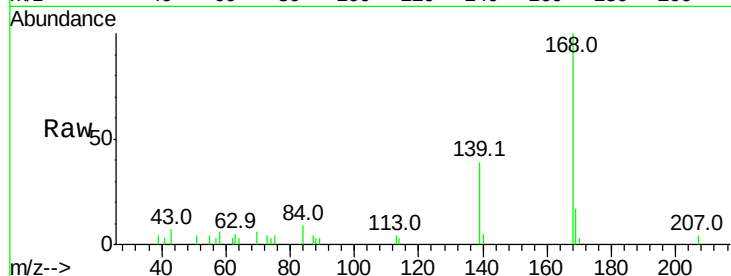
Tot Ion:139 Resp: 5354

Ion Ratio Lower Upper

139 100

109 0.0 48.4 88.4#

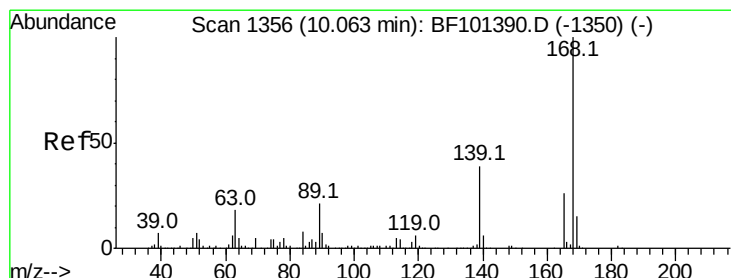
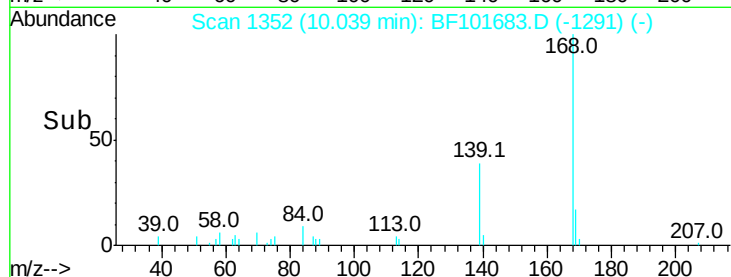
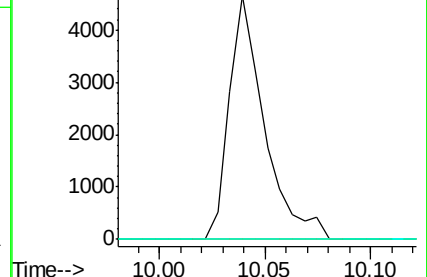
65 0.0 72.6 112.6#



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): BF1



#56

2,4-Dinitrotoluene

Concen: 6.775 ng

RT: 9.82 min Scan# 1315

Delta R.T. -0.22 min

Lab File: BF101683.D

Acq: 23 Dec 2017 5:54

Tgt Ion:165 Resp: 22570

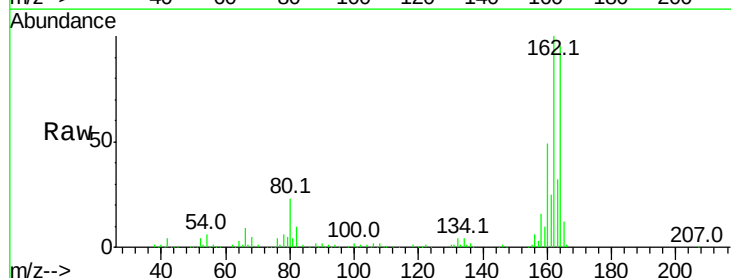
Ion Ratio Lower Upper

165 100

63 2.4 36.4 54.6#

89 2.6 57.8 86.6#

182 0.0 1.6 2.4#

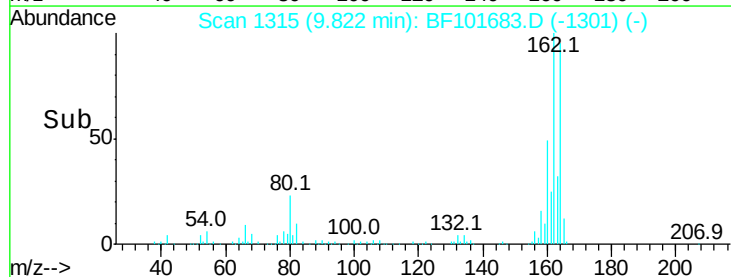
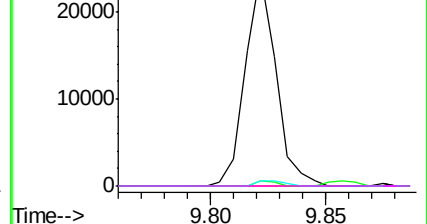


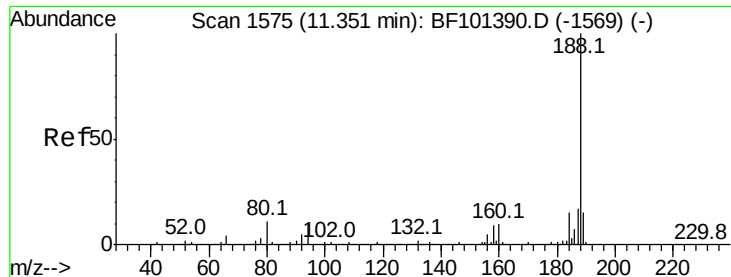
Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF1

Ion 89.00 (88.70 to 89.70): BF1

Ion 182.00 (181.70 to 182.70): E

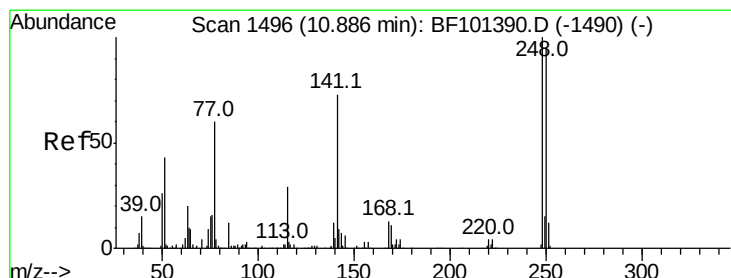
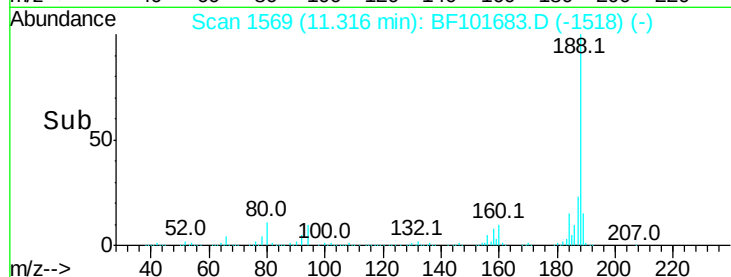
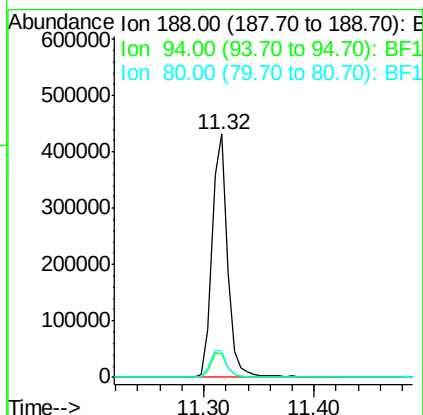
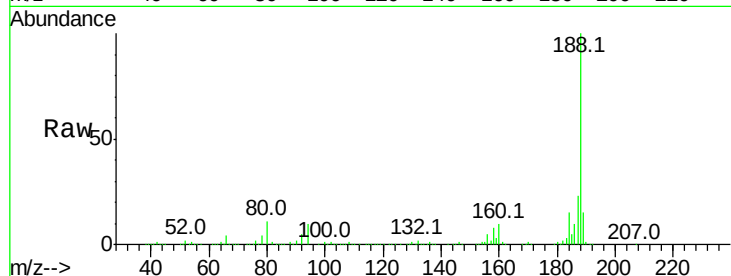




#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.32 min Scan# 1569
Delta R.T. 0.00 min
Lab File: BF101683.D
Acq: 23 Dec 2017 5:54

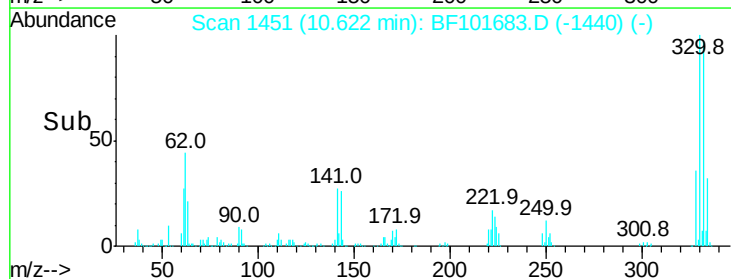
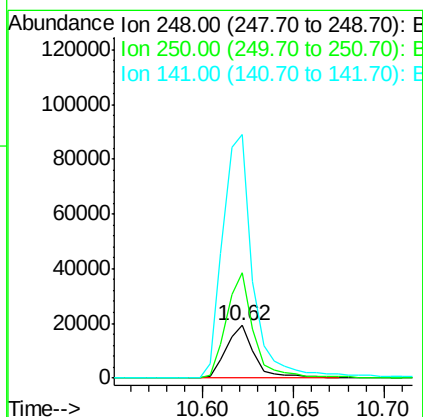
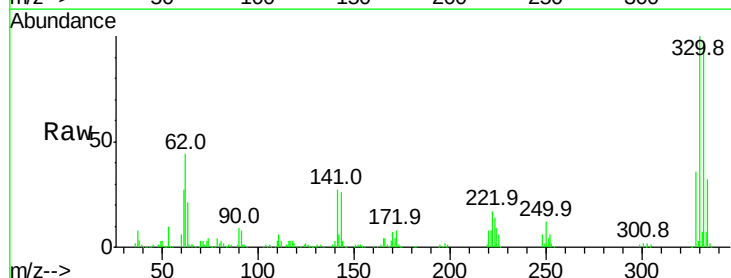
Instrument :
BNA_F
ClientSampleId :
EO-02-122017-B

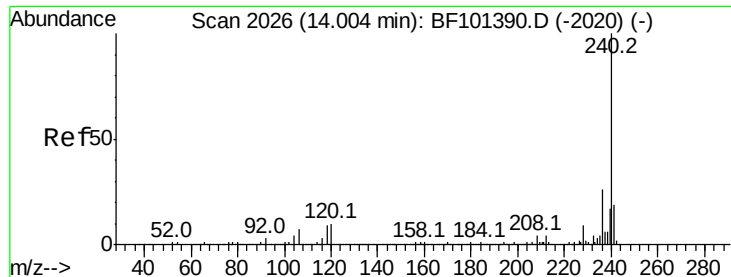
Tot Ion:188 Resp: 410853
Ion Ratio Lower Upper
188 100
94 9.8 8.5 12.7
80 10.6 9.2 13.8



#66
4-Bromophenyl-phenylether
Concen: 4.429 ng
RT: 10.62 min Scan# 1451
Delta R.T. -0.24 min
Lab File: BF101683.D
Acq: 23 Dec 2017 5:54

Tgt Ion:248 Resp: 20445
Ion Ratio Lower Upper
248 100
250 201.6 76.9 115.3#
141 463.8 74.4 111.6#





#75

Chrysene-d12

Concen: 20.000 ng

RT: 13.96 min Scan# 2019

Delta R.T. -0.01 min

Lab File: BF101683.D

Acq: 23 Dec 2017 5:54

Instrument :

BNA_F

ClientSampleId :

EO-02-122017-B

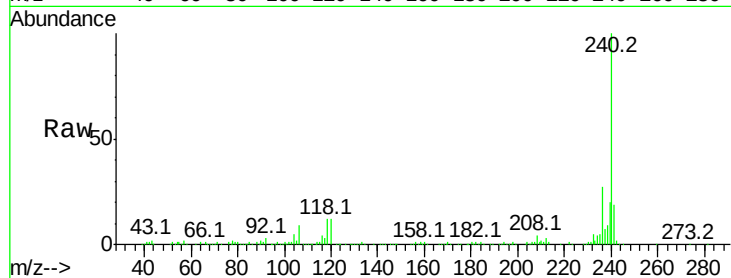
Tot Ion:240 Resp: 223655

Ion Ratio Lower Upper

240 100

120 12.4 9.5 14.3

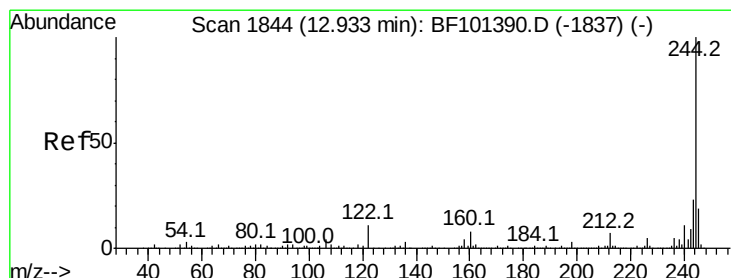
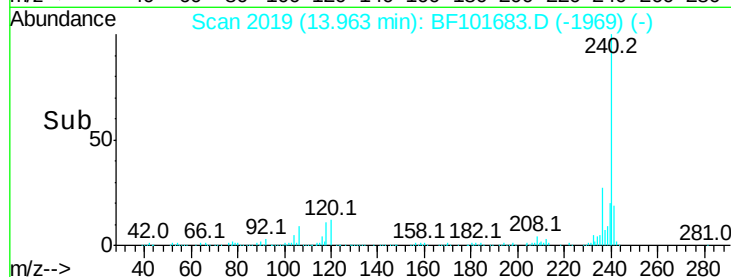
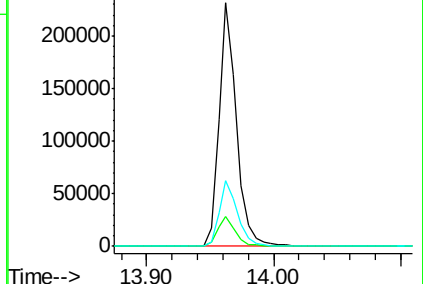
236 26.8 20.7 31.1



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



#78

Terphenyl-d14

Concen: 124.965 ng

RT: 12.90 min Scan# 1838

Delta R.T. -0.01 min

Lab File: BF101683.D

Acq: 23 Dec 2017 5:54

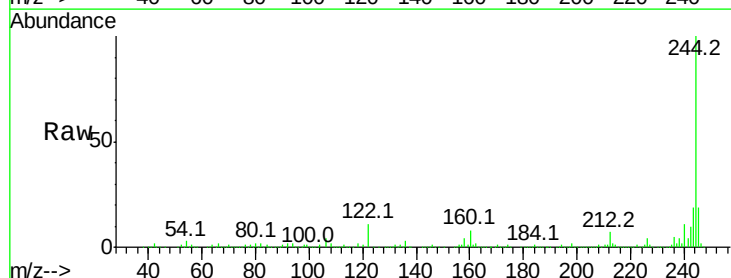
Tgt Ion:244 Resp: 1159338

Ion Ratio Lower Upper

244 100

212 7.3 5.4 8.0

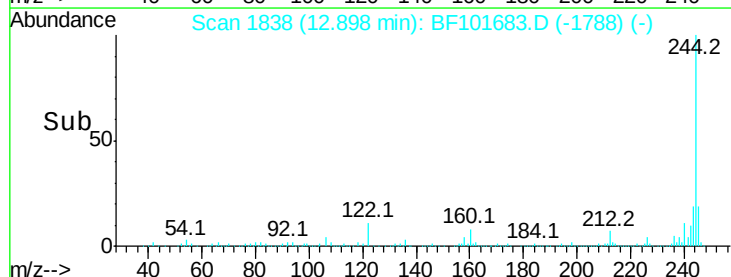
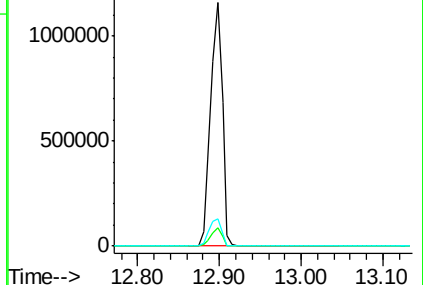
122 11.4 11.0 16.4

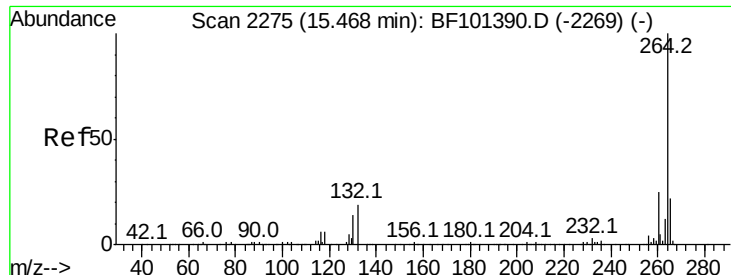


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

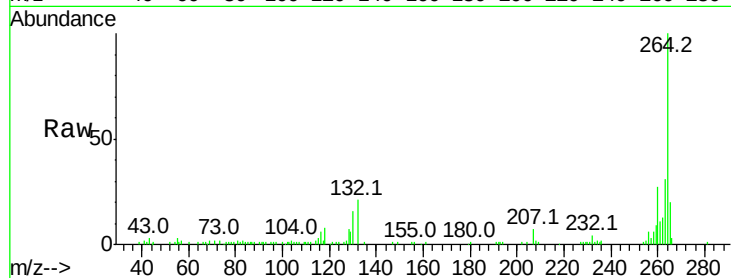




#86
 Pervlene-d12
 Concen: 20.000 ng
 RT: 15.43 min Scan# 2268
 Delta R.T. 0.00 min
 Lab File: BF101683.D
 Acq: 23 Dec 2017 5:54

Instrument :
 BNA_F
 ClientSampleId :
 EO-02-122017-B

Tot Ion	Ratio	Lower	Upper
264	100		
260	26.8	19.2	28.8
265	20.3	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

