

Data Path : Z:\HPCHEM1\BNA F\DATA\BF121917\
 Data File : BF101545.D
 Acq On : 20 Dec 2017 2:43
 Operator : SJ/JU
 Sample : PB105156BL
 Misc :
 ALS Vial : 28 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 PB105156BL

Quant Time: Dec 20 07:04:58 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF121417.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Dec 18 15:38:59 2017
 Response via : Initial Calibration

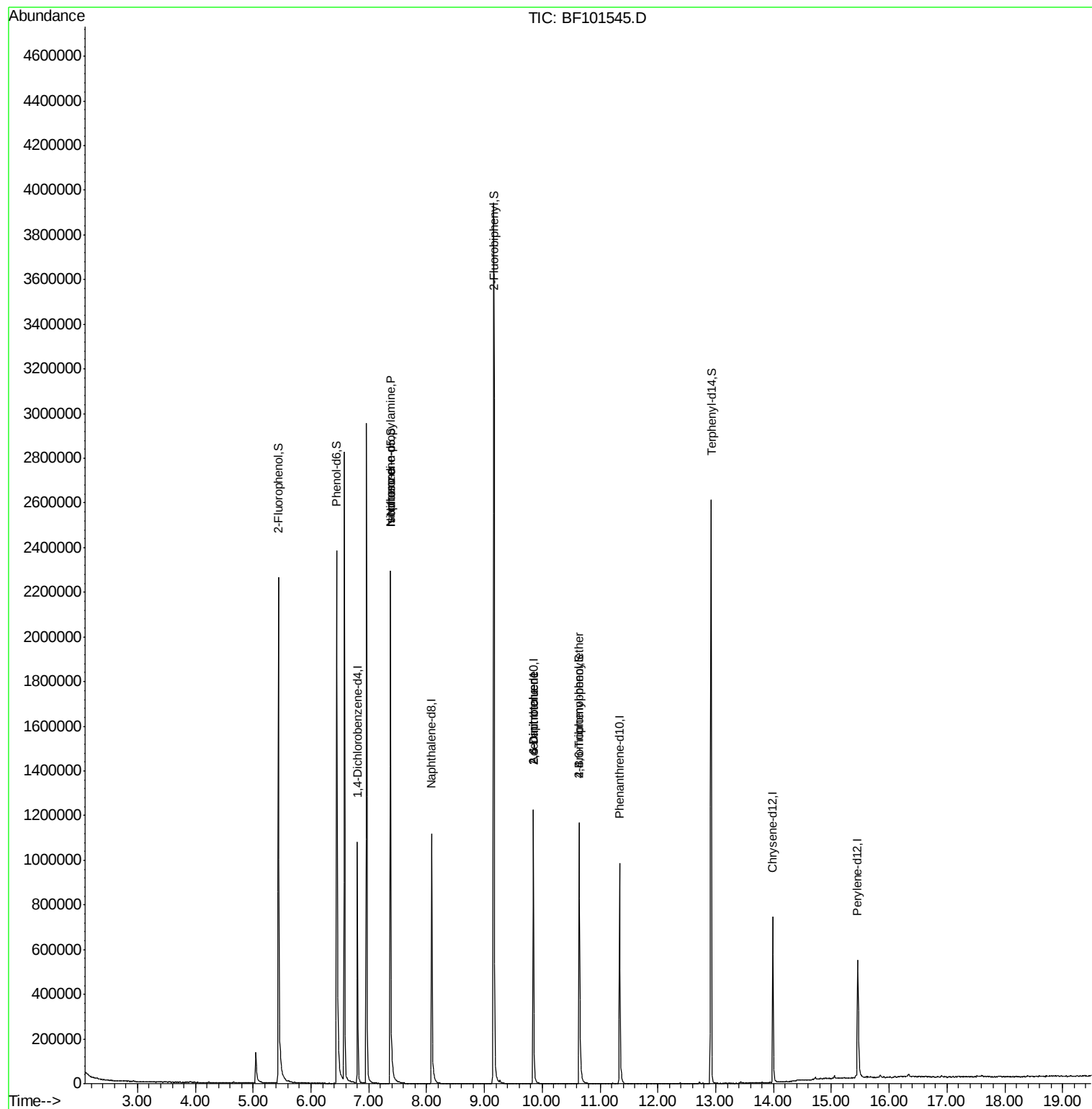
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.80	152	156583	20.00	ng	0.00
21) Naphthalene-d8	8.09	136	638936	20.00	ng	0.00
38) Acenaphthene-d10	9.85	164	272848	20.00	ng	0.00
63) Phenanthrene-d10	11.34	188	459695	20.00	ng	0.00
75) Chrysene-d12	13.99	240	297872	20.00	ng	0.00
86) Perylene-d12	15.46	264	305781	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.44	112	818275	77.84	ng	0.02
7) Phenol-d6	6.45	99	1013855	77.50	ng	0.00
23) Nitrobenzene-d5	7.37	82	917146	79.90	ng	0.00
41) 2,4,6-Tribromophenol	10.64	330	166046	63.16	ng	0.00
44) 2-Fluorobiphenyl	9.16	172	1460112	83.01	ng	0.00
78) Terphenyl-d14	12.92	244	983242	79.58	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	7.37	70	122021	14.202	ng	# 83
25) Isophorone	7.37	82	917146	39.831	ng	# 64
50) 2,6-Dinitrotoluene	9.85	165	34484	7.731	ng	# 25
56) 2,4-Dinitrotoluene	9.85	165	34484	6.862	ng	# 23
66) 4-Bromophenyl-phenylether	10.64	248	10959	2.122	ng	# 1

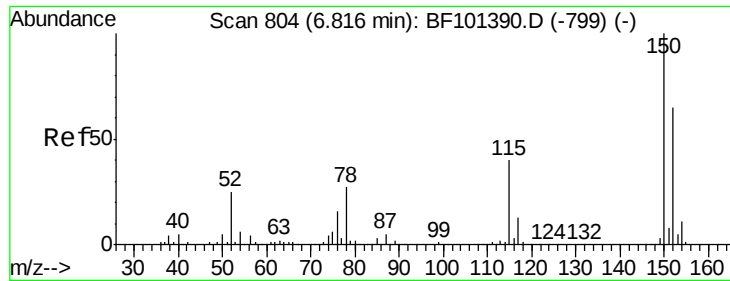
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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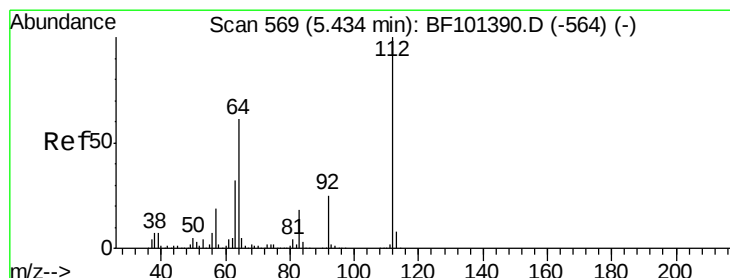
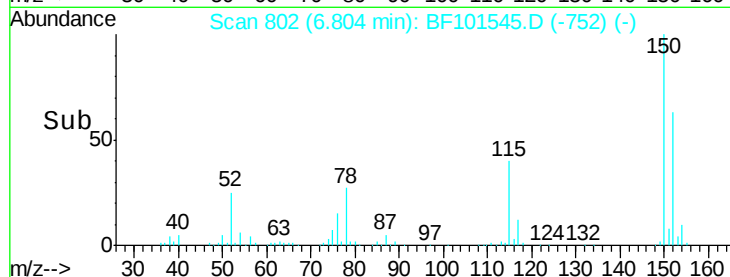
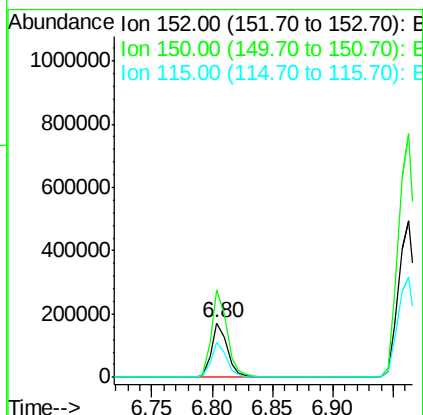
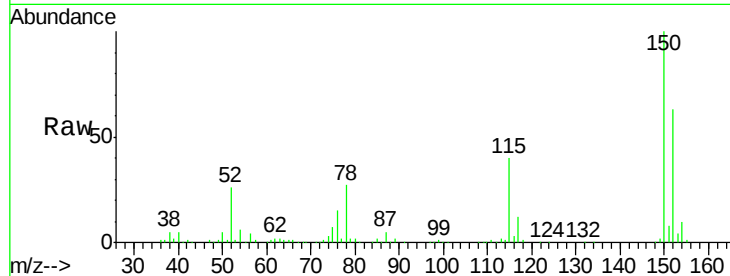


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.80 min Scan# 802
Delta R.T. -0.01 min
Lab File: BF101545.D
Acq: 20 Dec 2017 2:43

Instrument :
BNA_F
ClientSampleId :
PB105156BL

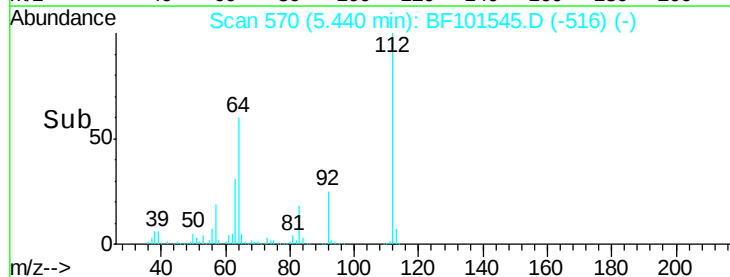
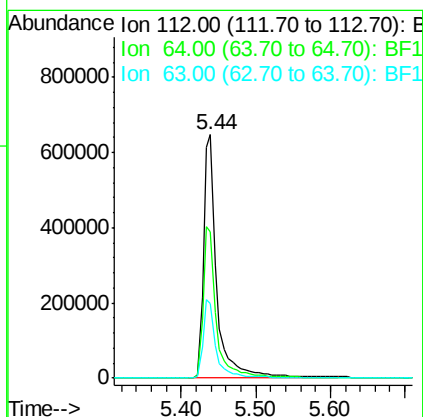
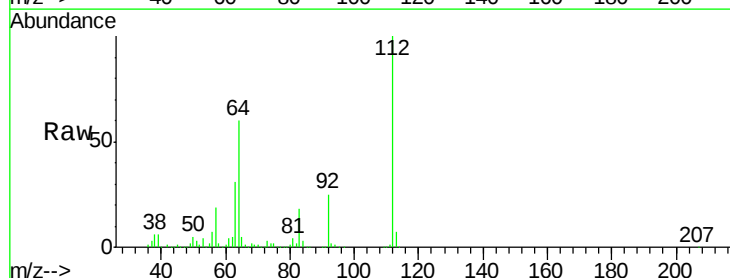
Tot Ion:152 Resp: 156583
Ion Ratio Lower Upper
152 100
150 160.0 124.6 186.8
115 63.7 50.1 75.1

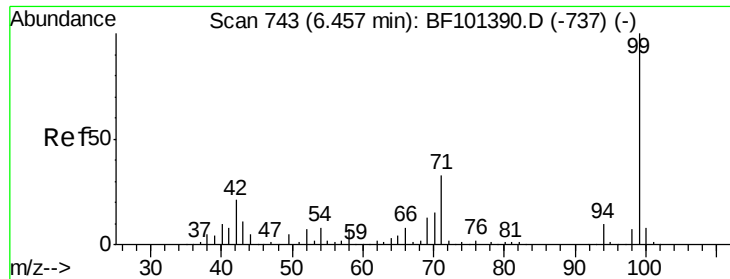


#5

2-Fluorophenol
Concen: 77.843 ng
RT: 5.44 min Scan# 570
Delta R.T. 0.02 min
Lab File: BF101545.D
Acq: 20 Dec 2017 2:43

Tgt Ion:112 Resp: 818275
Ion Ratio Lower Upper
112 100
64 60.3 47.9 71.9
63 30.8 23.7 35.5





#7

Phenol-d6

Concen: 77.497 ng

RT: 6.45 min Scan# 741

Delta R.T. -0.01 min

Lab File: BF101545.D

Acq: 20 Dec 2017 2:43

Instrument :

BNA_F

ClientSampleId :

PB105156BL

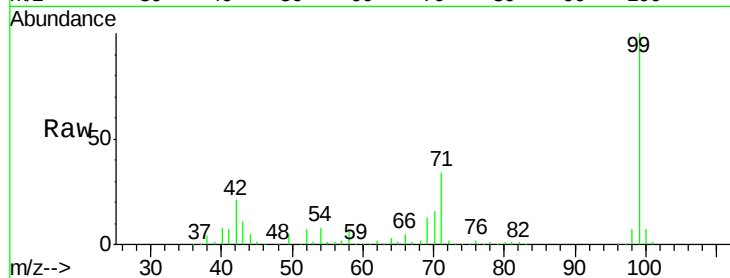
Tot Ion: 99 Resp: 1013855

Ion Ratio Lower Upper

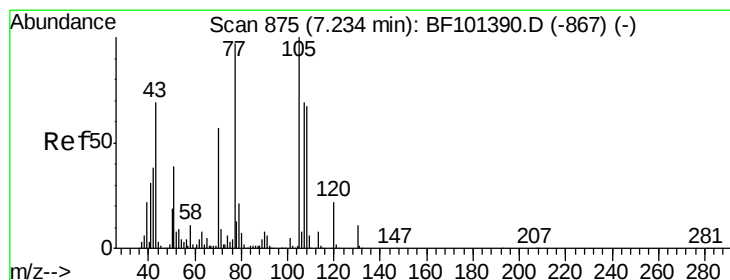
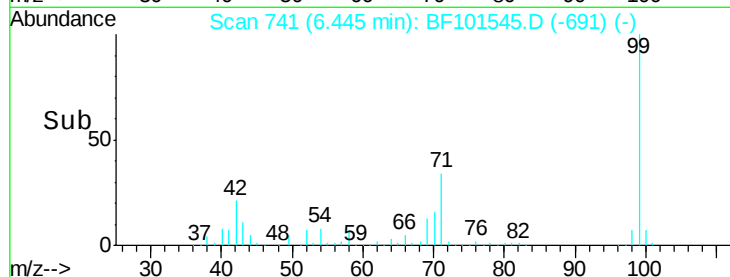
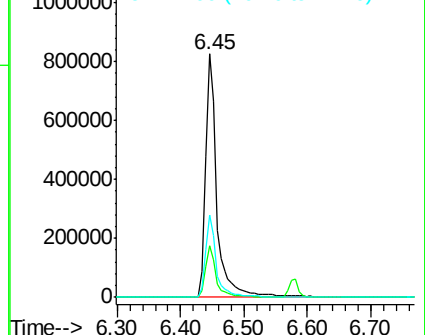
99 100

42 21.4 14.5 21.7

71 33.6 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



#19

n-Nitroso-di-n-propylamine

Concen: 14.202 ng

RT: 7.37 min Scan# 899

Delta R.T. 0.15 min

Lab File: BF101545.D

Acq: 20 Dec 2017 2:43

Tgt Ion: 70 Resp: 122021

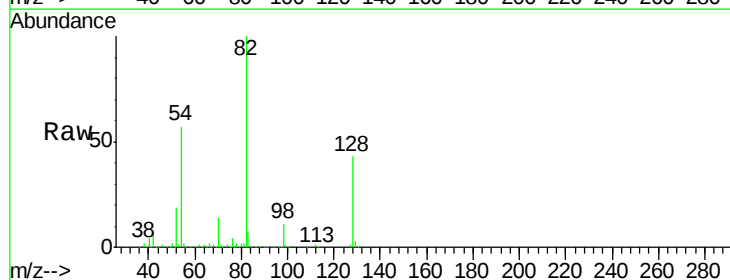
Ion Ratio Lower Upper

70 100

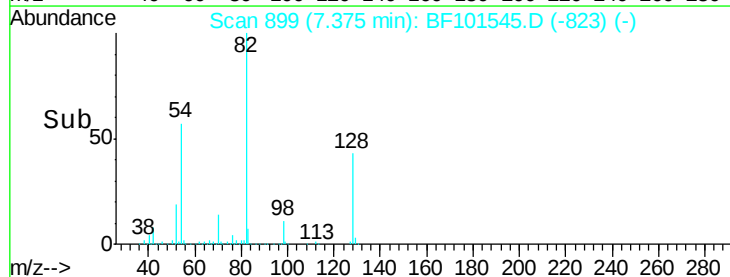
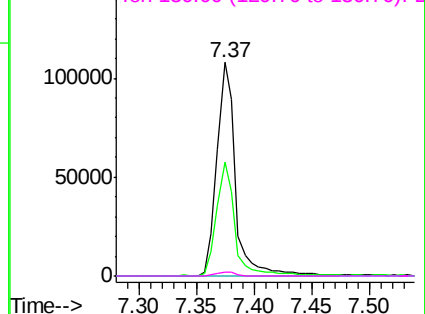
42 53.6 47.5 71.3

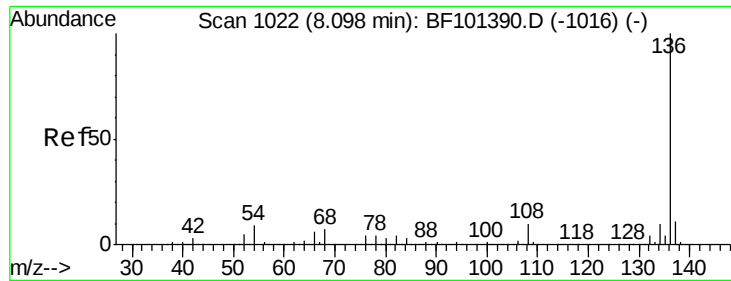
101 0.0 7.4 11.2#

130 1.9 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

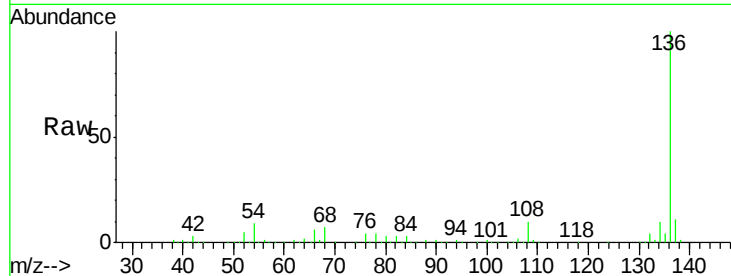




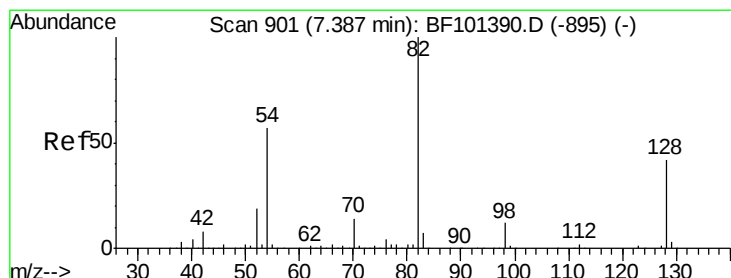
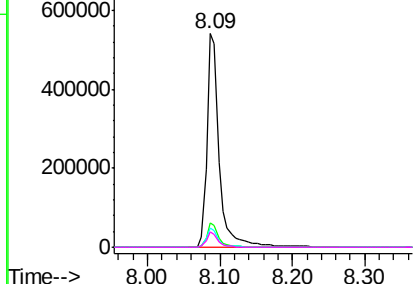
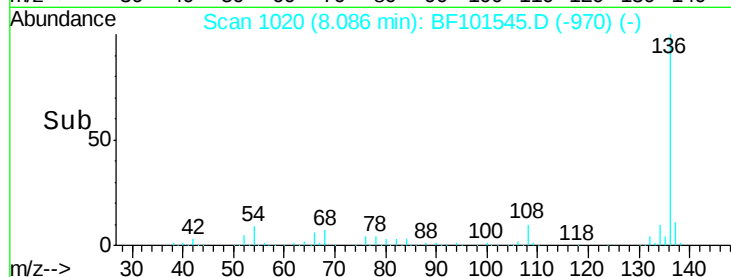
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.09 min Scan# 1020
Delta R.T. -0.01 min
Lab File: BF101545.D
Acq: 20 Dec 2017 2:43

Instrument :
BNA_F
ClientSampleId :
PB105156BL

Tot Ion:136	Resp:	638936
Ion Ratio	Lower	Upper
136	100	
137	11.5	8.9 13.3
54	9.3	6.6 9.8
68	7.2	5.0 7.4

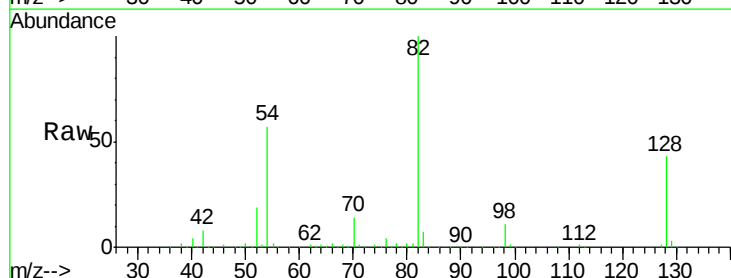


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF1
Ion 68.00 (67.70 to 68.70): BF1

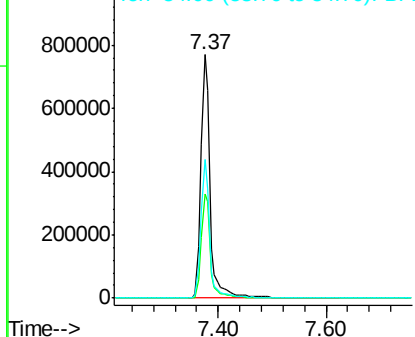
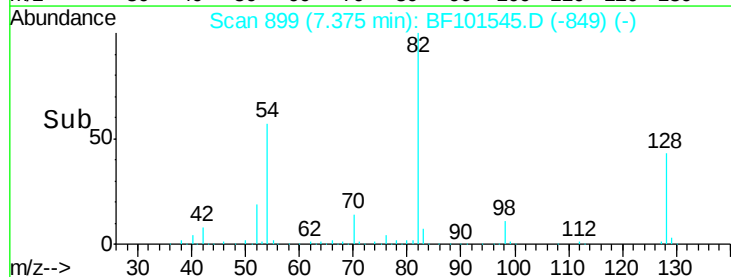


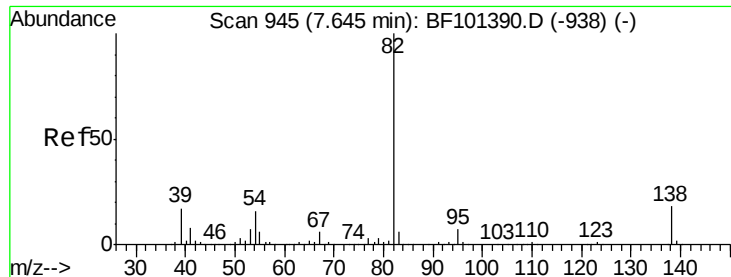
#23
Nitrobenzene-d5
Concen: 79.904 ng
RT: 7.37 min Scan# 899
Delta R.T. -0.01 min
Lab File: BF101545.D
Acq: 20 Dec 2017 2:43

Tgt Ion: 82	Resp:	917146
Ion Ratio	Lower	Upper
82	100	
128	42.5	36.1 54.1
54	57.0	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: 39.831 ng

RT: 7.37 min Scan# 899

Delta R.T. -0.26 min

Lab File: BF101545.D

Acq: 20 Dec 2017 2:43

Instrument :

BNA_F

ClientSampled :

PB105156BL

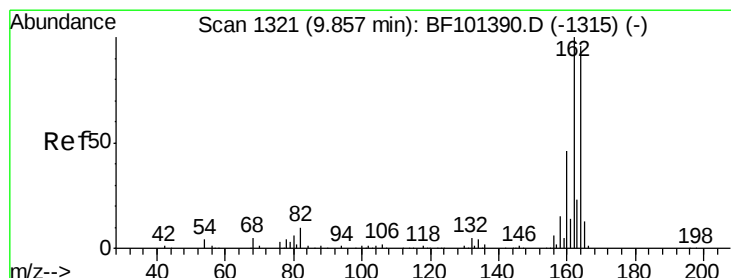
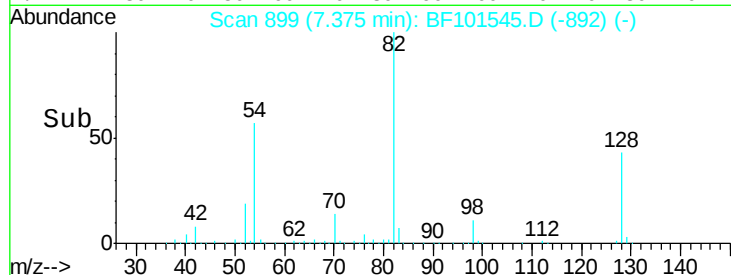
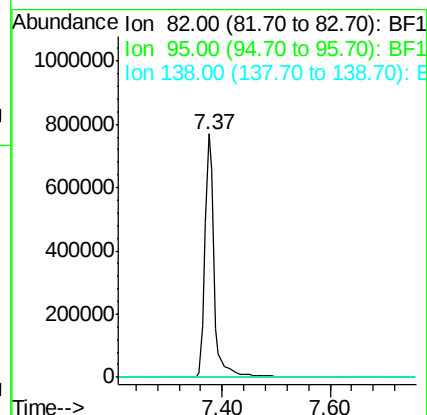
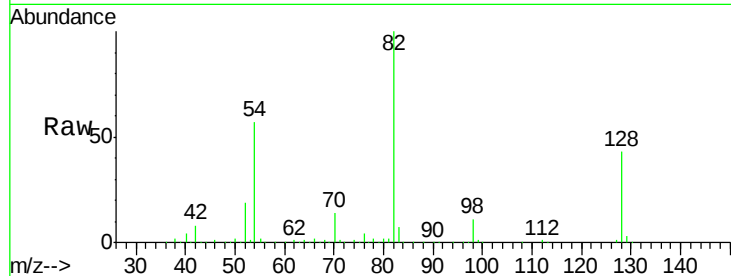
Tot Ion: 82 Resp: 917146

Ion Ratio Lower Upper

82 100

95 0.0 5.2 7.8#

138 0.0 14.9 22.3#



#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.85 min Scan# 1319

Delta R.T. 0.00 min

Lab File: BF101545.D

Acq: 20 Dec 2017 2:43

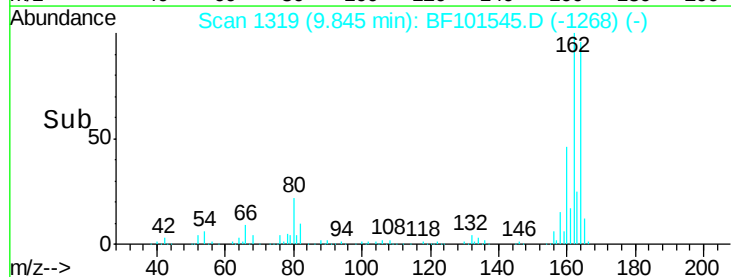
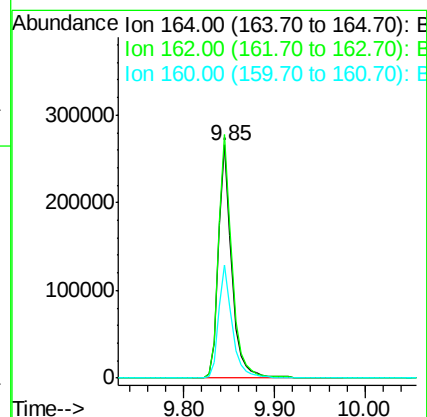
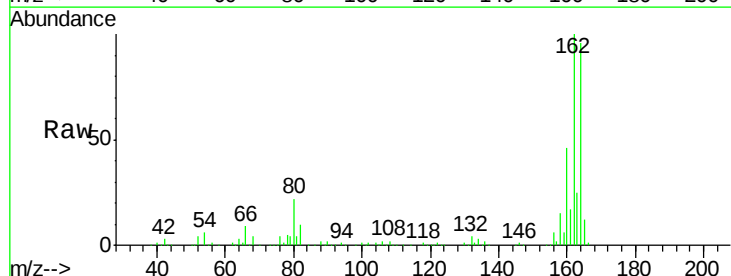
Tgt Ion: 164 Resp: 272848

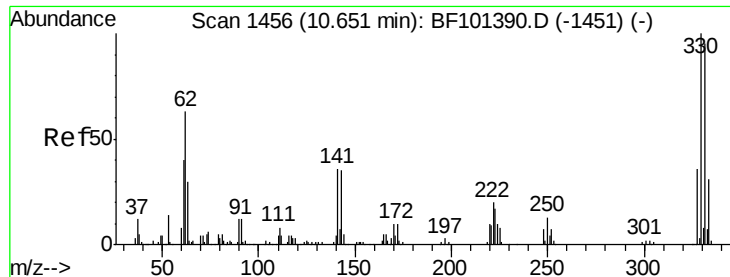
Ion Ratio Lower Upper

164 100

162 104.5 86.1 129.1

160 48.4 38.3 57.5

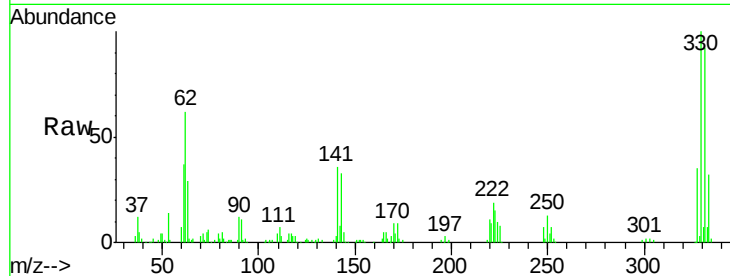




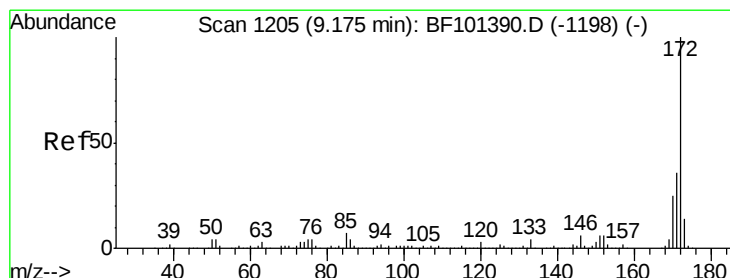
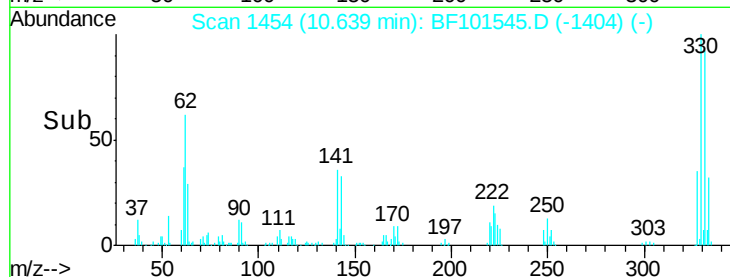
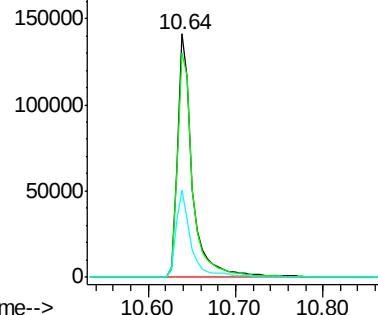
#41
 2,4,6-Tribromophenol
 Concen: 63.157 ng
 RT: 10.64 min Scan# 1454
 Delta R.T. -0.01 min
 Lab File: BF101545.D
 Acq: 20 Dec 2017 2:43

Instrument :
 BNA_F
 ClientSampleId :
 PB105156BL

Tot Ion	Ratio	Lower	Upper
330	100		
332	96.1	77.0	115.6
141	36.3	29.9	44.9

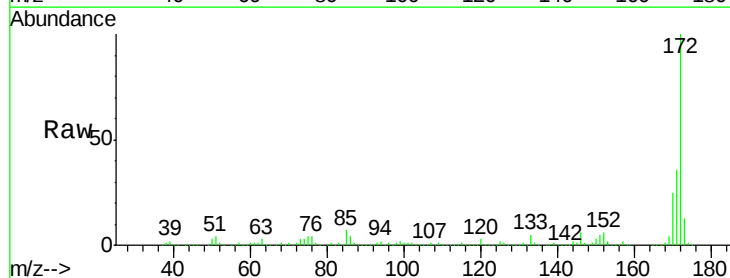


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

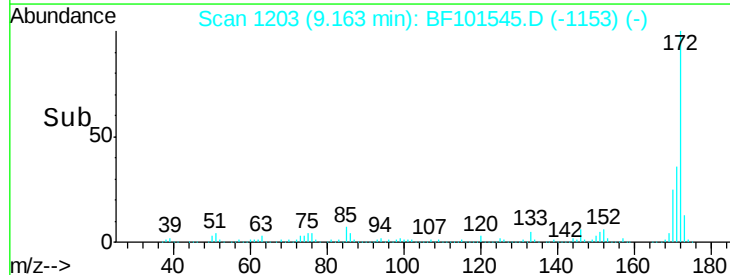
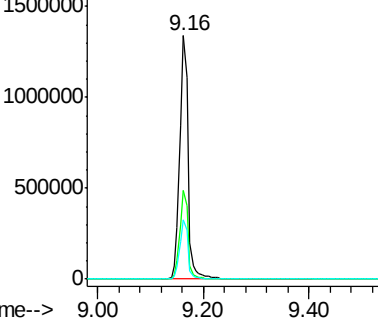


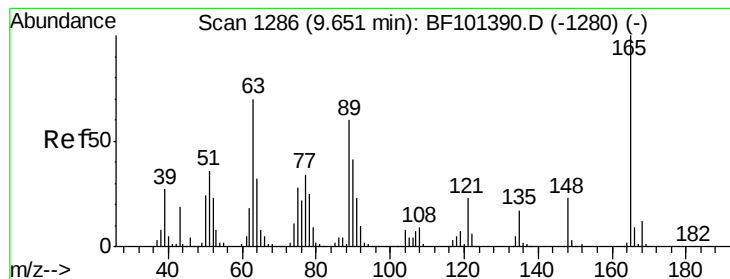
#44
 2-Fluorobiphenyl
 Concen: 83.013 ng
 RT: 9.16 min Scan# 1203
 Delta R.T. -0.01 min
 Lab File: BF101545.D
 Acq: 20 Dec 2017 2:43

Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.4	29.7	44.5
170	24.6	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: 7.731 ng

RT: 9.85 min Scan# 1319

Delta R.T. 0.20 min

Lab File: BF101545.D

Acq: 20 Dec 2017 2:43

Instrument :

BNA_F

ClientSampleId :

PB105156BL

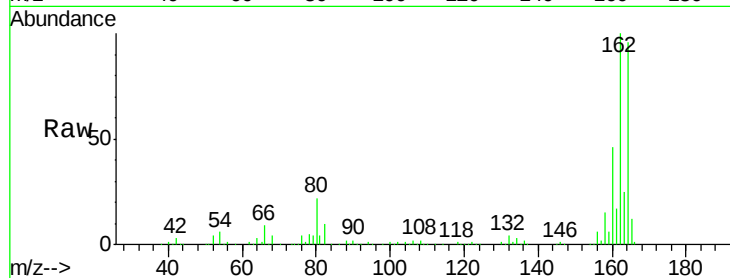
Tot Ion:165 Resp: 34484

Ion Ratio Lower Upper

165 100

63 1.4 44.7 67.1#

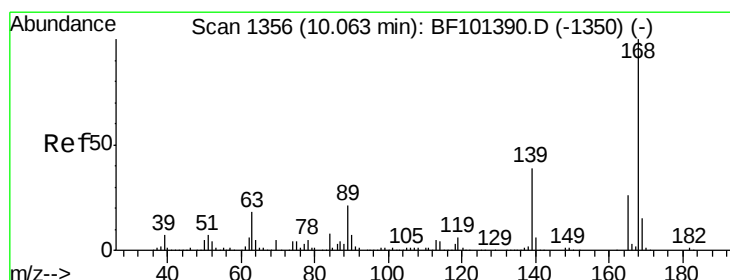
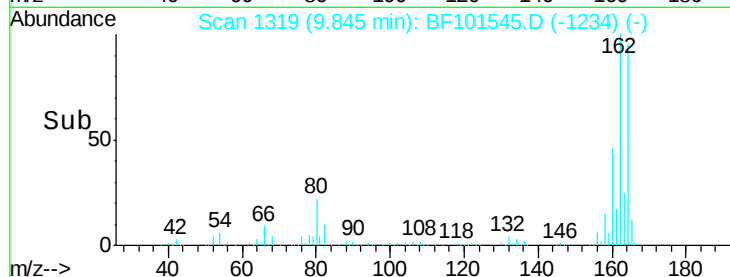
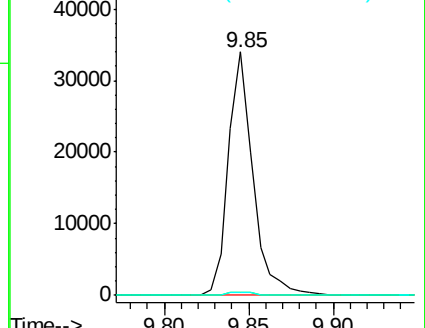
89 1.1 44.0 66.0#



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



#56

2,4-Dinitrotoluene

Concen: 6.862 ng

RT: 9.85 min Scan# 1319

Delta R.T. -0.21 min

Lab File: BF101545.D

Acq: 20 Dec 2017 2:43

Tgt Ion:165 Resp: 34484

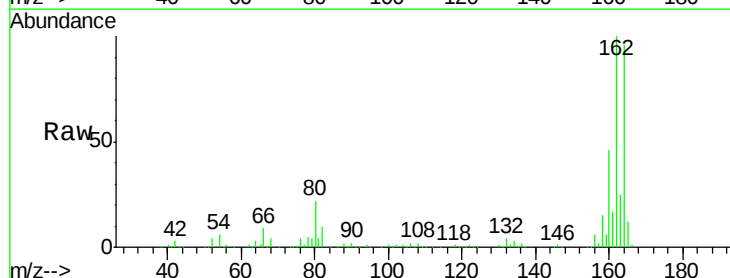
Ion Ratio Lower Upper

165 100

63 1.4 36.4 54.6#

89 1.1 57.8 86.6#

182 0.0 1.6 2.4#

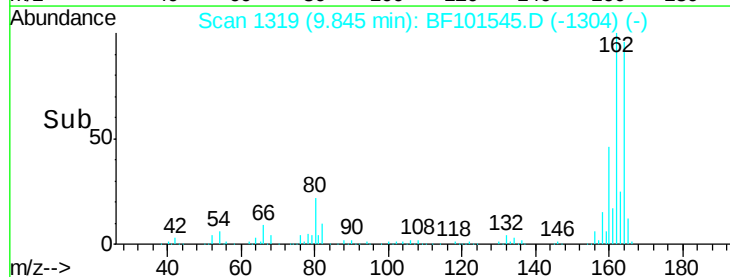
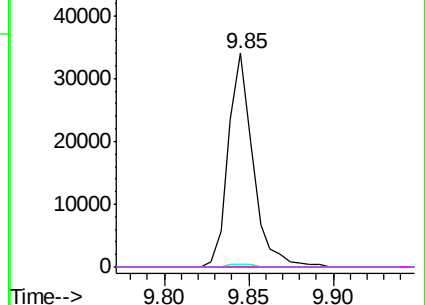


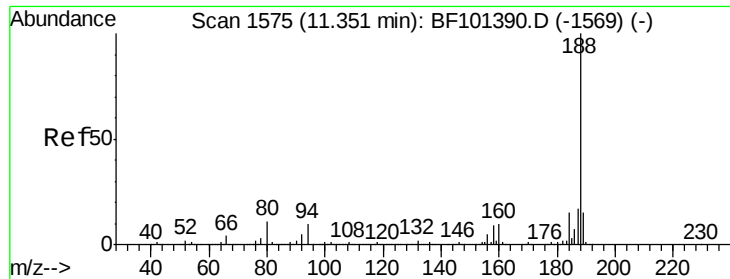
Abundance Ion 165.00 (164.70 to 165.70): E

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

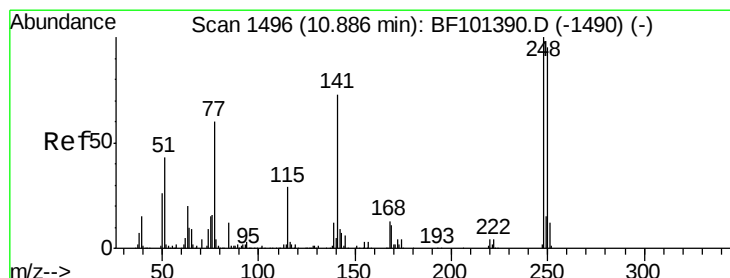
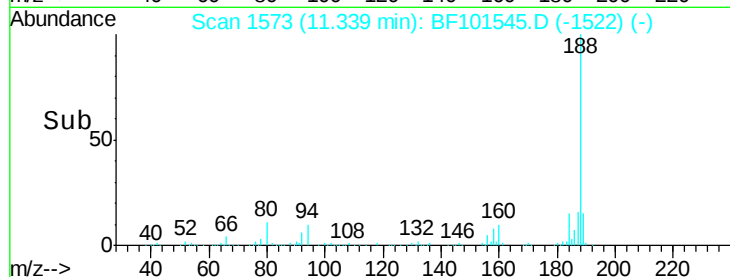
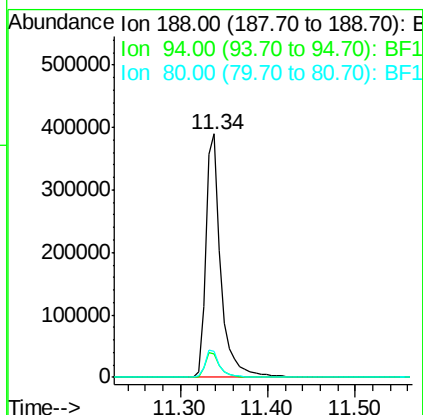
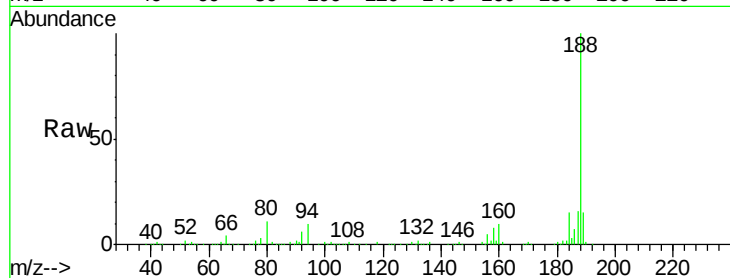




#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.34 min Scan# 1573
Delta R.T. 0.00 min
Lab File: BF101545.D
Acq: 20 Dec 2017 2:43

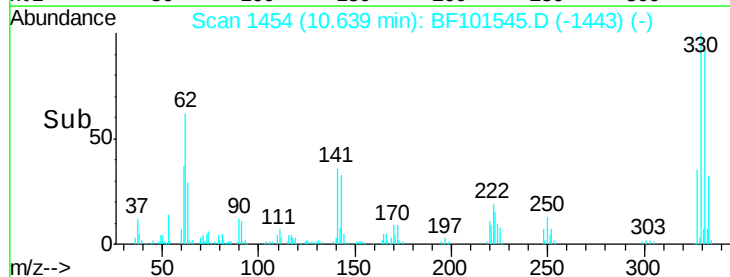
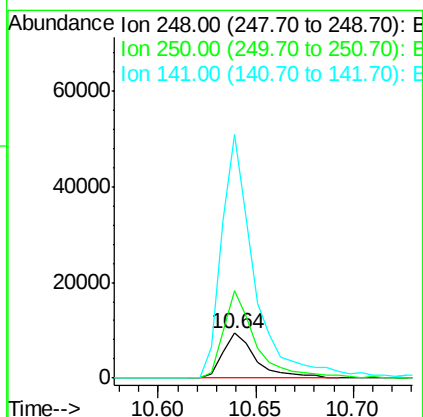
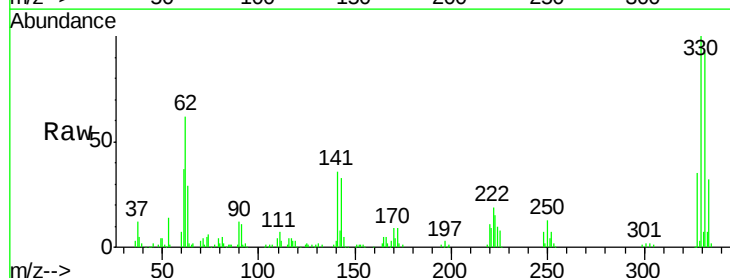
Instrument :
BNA_F
ClientSampleId :
PB105156BL

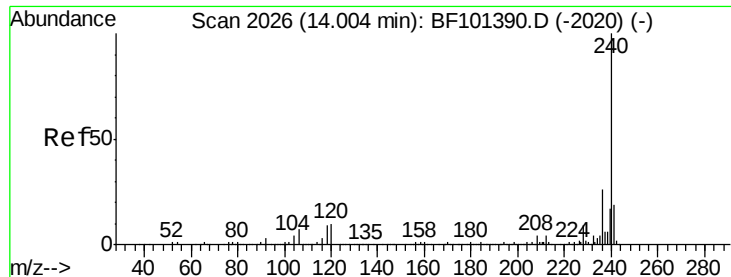
Tot Ion:188 Resp: 459695
Ion Ratio Lower Upper
188 100
94 9.8 8.5 12.7
80 10.8 9.2 13.8



#66
4-Bromophenyl-phenylether
Concen: 2.122 ng
RT: 10.64 min Scan# 1454
Delta R.T. -0.24 min
Lab File: BF101545.D
Acq: 20 Dec 2017 2:43

Tgt Ion:248 Resp: 10959
Ion Ratio Lower Upper
248 100
250 195.3 76.9 115.3#
141 544.8 74.4 111.6#





#75

Chrysene-d12

Concen: 20.000 ng

RT: 13.99 min Scan# 2023

Delta R.T. 0.00 min

Lab File: BF101545.D

Acq: 20 Dec 2017 2:43

Instrument :

BNA_F

ClientSampleId :

PB105156BL

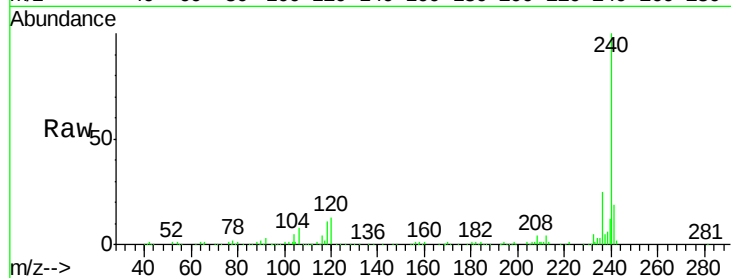
Tot Ion:240 Resp: 297872

Ion Ratio Lower Upper

240 100

120 13.1 9.5 14.3

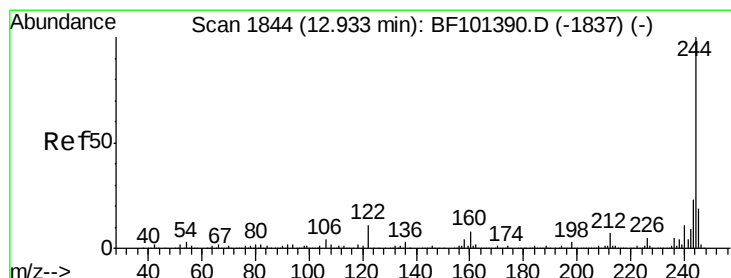
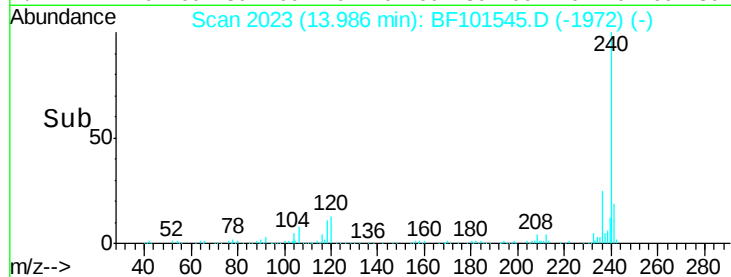
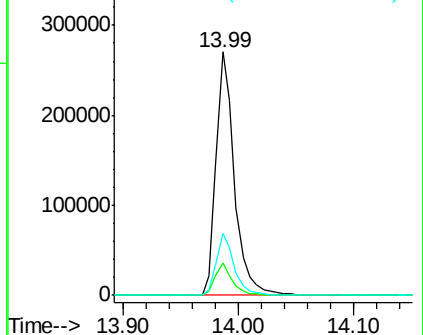
236 25.2 20.7 31.1



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: 79.577 ng

RT: 12.92 min Scan# 1842

Delta R.T. 0.00 min

Lab File: BF101545.D

Acq: 20 Dec 2017 2:43

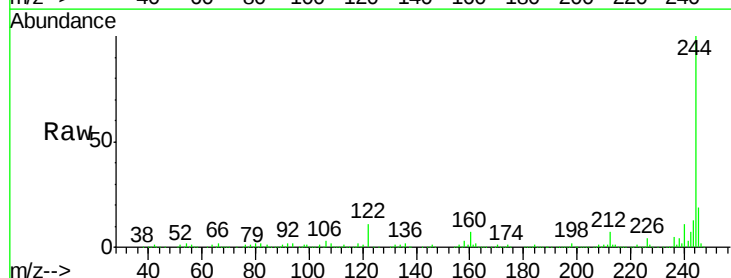
Tgt Ion:244 Resp: 983242

Ion Ratio Lower Upper

244 100

212 6.9 5.4 8.0

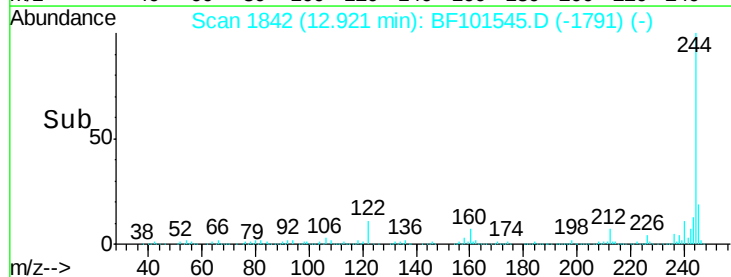
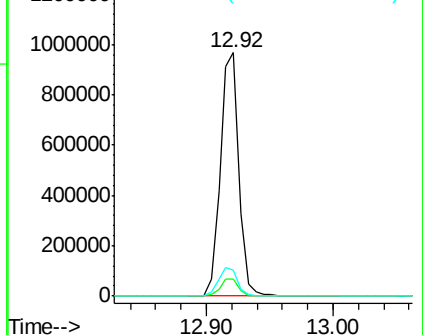
122 10.7 11.0 16.4#

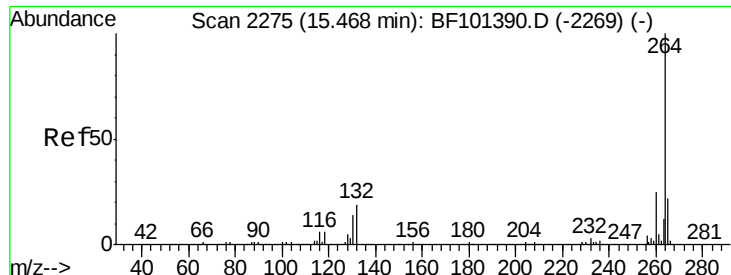


Abundance Ion 244.00 (243.70 to 244.70): E

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: 15.46 min Scan# 2273
Delta R.T. 0.01 min
Lab File: BF101545.D
Acq: 20 Dec 2017 2:43

Instrument :
BNA_F
ClientSampleId :
PB105156BL

Tot Ion	Ratio	Lower	Upper
264	100		
260	24.2	19.2	28.8
265	21.9	17.5	26.3

