

Data Path : Z:\HPCHEM1\BNA F\DATA\BF122217\
 Data File : BF101681.D
 Acq On : 23 Dec 2017 5:00
 Operator : SJ/JU
 Sample : I6971-17
 Misc :
 ALS Vial : 31 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 121517-TIFR-E-D-S

Quant Time: Dec 23 05:54:29 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

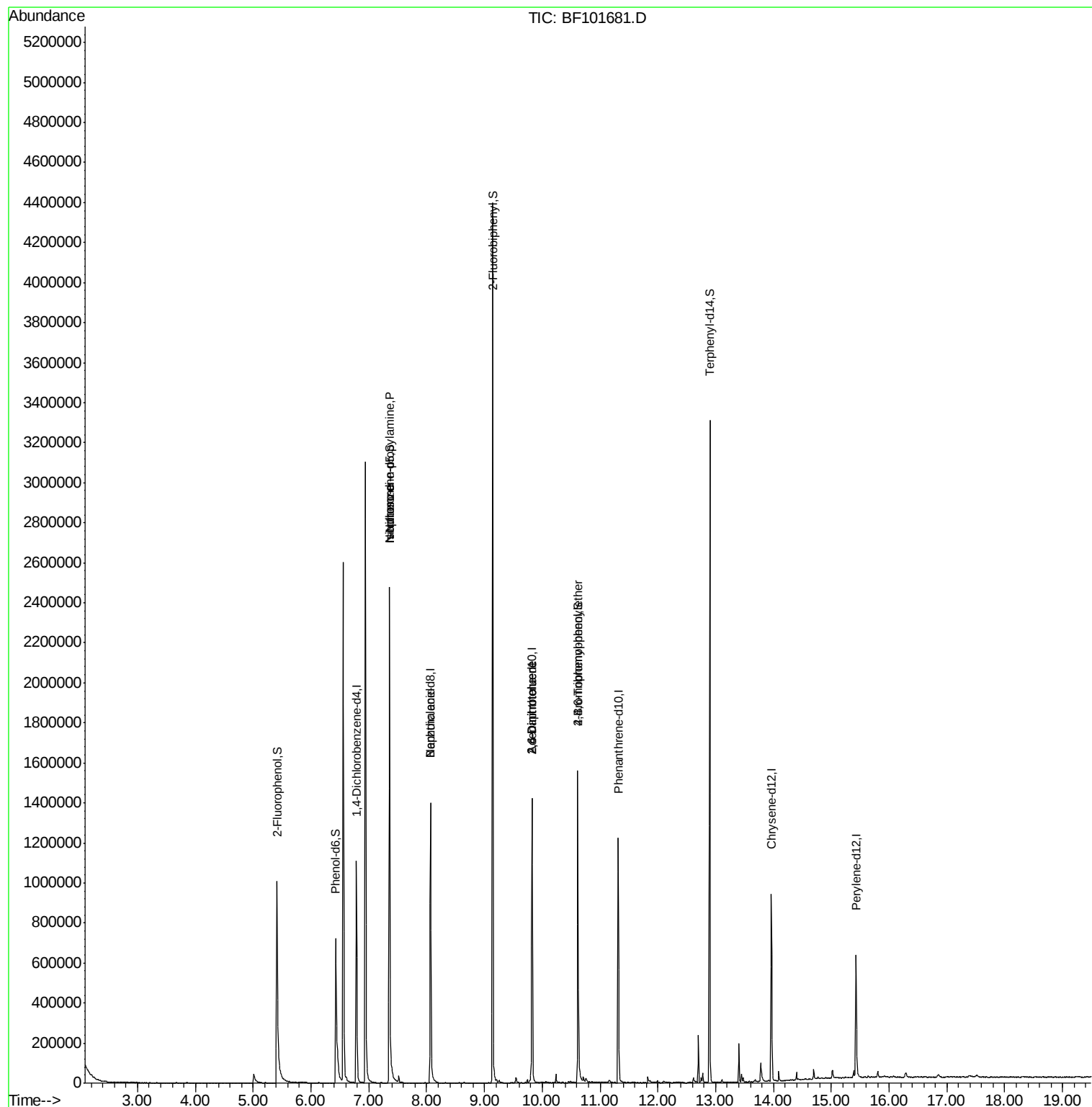
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.79	152	174908	20.00	ng	0.00
21) Naphthalene-d8	8.07	136	680148	20.00	ng	0.00
38) Acenaphthene-d10	9.82	164	284436	20.00	ng	0.00
63) Phenanthrene-d10	11.32	188	475021	20.00	ng	0.00
75) Chrysene-d12	13.96	240	330338	20.00	ng	0.00
86) Perylene-d12	15.43	264	320807	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.41	112	485003	41.30	ng	0.00
7) Phenol-d6	6.43	99	384294	26.30	ng	0.00
23) Nitrobenzene-d5	7.36	82	996306	81.54	ng	0.00
41) 2,4,6-Tribromophenol	10.62	330	211119	77.03	ng	0.00
44) 2-Fluorobiphenyl	9.15	172	1518441	82.81	ng	0.00
78) Terphenyl-d14	12.90	244	1166575	85.14	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	7.36	70	132322	13.788	ng	# 82
25) Isophorone	7.36	82	996382	40.650	ng	# 64
32) Benzoic acid	8.07	122	130	7.977	ng	# 6
50) 2,6-Dinitrotoluene	9.82	165	35702	7.678	ng	# 26
56) 2,4-Dinitrotoluene	9.82	165	35702	6.815	ng	# 23
66) 4-Bromophenyl-phenylether	10.62	248	13145	2.463	ng	# 1

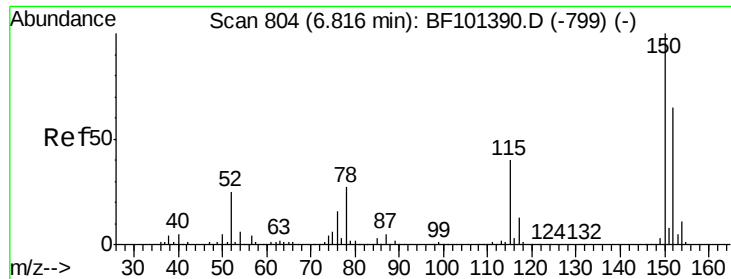
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Misc :
ALS Vial : 31 Sample Multiplier: 1

Instrument :
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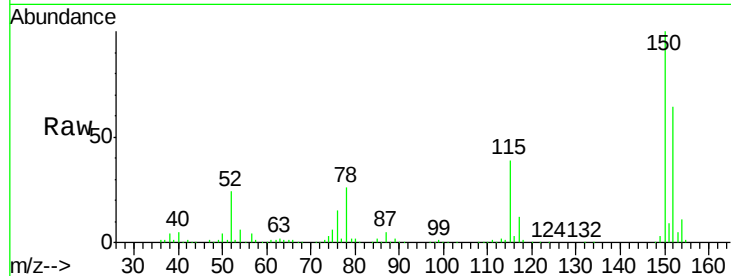


#1

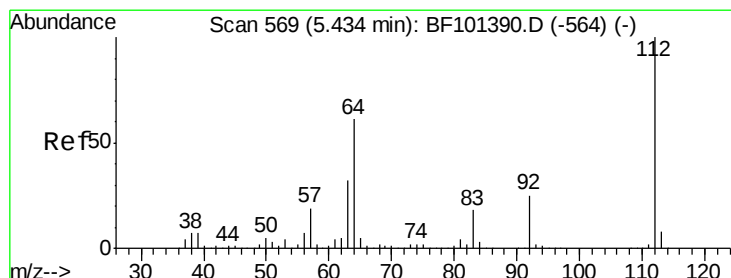
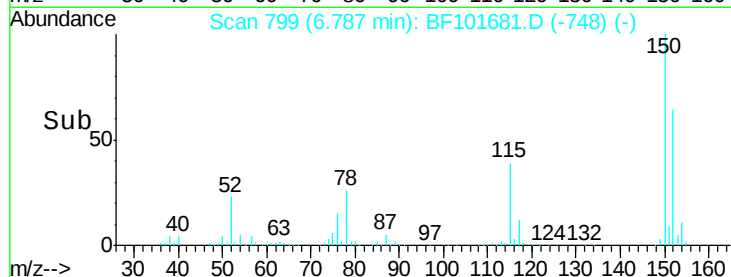
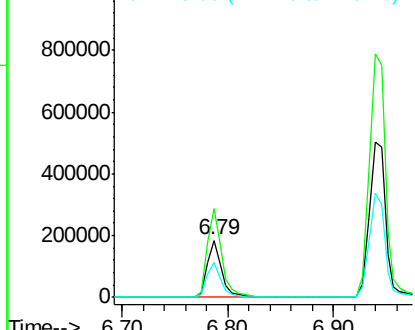
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.79 min Scan# 799
Delta R.T. 0.00 min
Lab File: BF101681.D
Acq: 23 Dec 2017 5:00

Instrument :
BNA_F
ClientSampleId :
121517-TIFR-E-D-S

Tot Ion:152 Resp: 174908
Ion Ratio Lower Upper
152 100
150 155.3 124.6 186.8
115 60.6 50.1 75.1



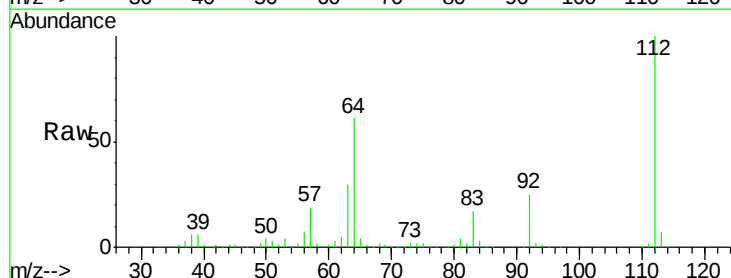
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



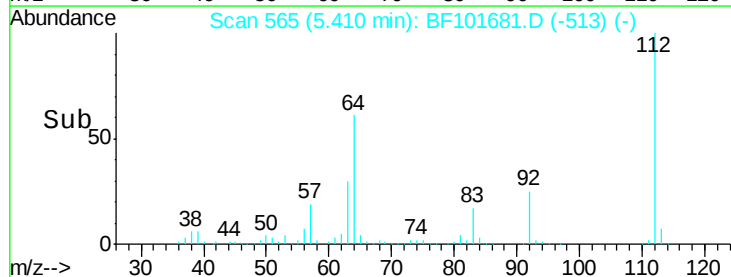
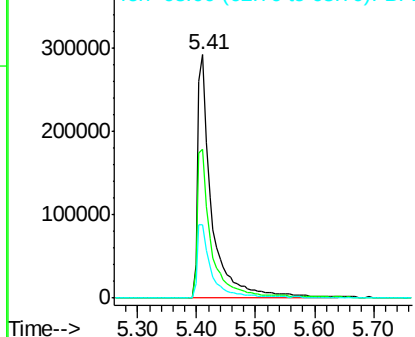
#5

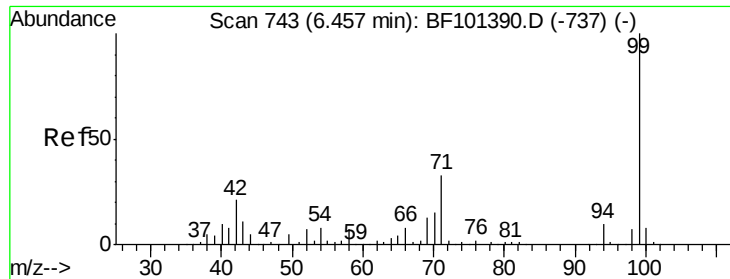
2-Fluorophenol
Concen: 41.305 ng
RT: 5.41 min Scan# 565
Delta R.T. 0.01 min
Lab File: BF101681.D
Acq: 23 Dec 2017 5:00

Tgt Ion:112 Resp: 485003
Ion Ratio Lower Upper
112 100
64 61.1 47.9 71.9
63 30.3 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: 26.297 ng

RT: 6.43 min Scan# 738

Delta R.T. -0.01 min

Lab File: BF101681.D

Acq: 23 Dec 2017 5:00

Instrument :

BNA_F

ClientSampleId :

121517-TIFR-E-D-S

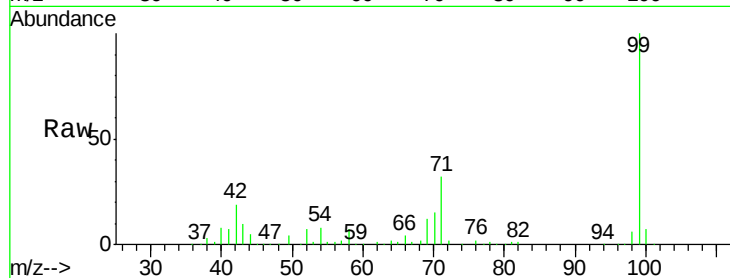
Tot Ion: 99 Resp: 384294

Ion Ratio Lower Upper

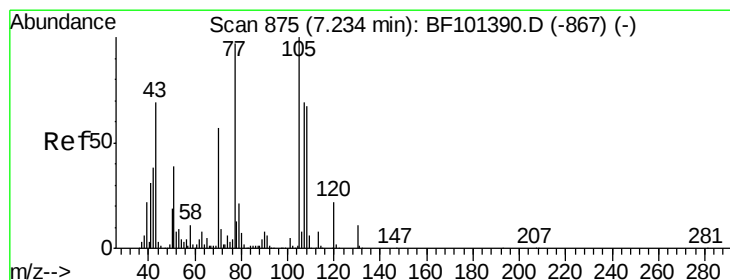
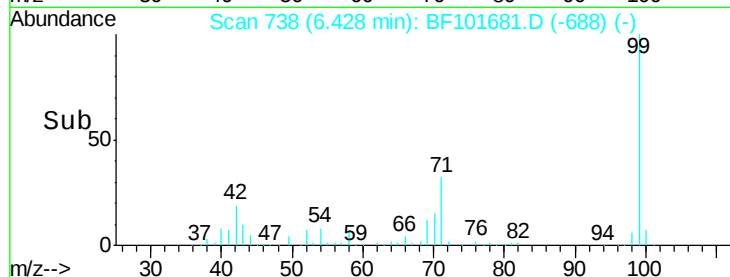
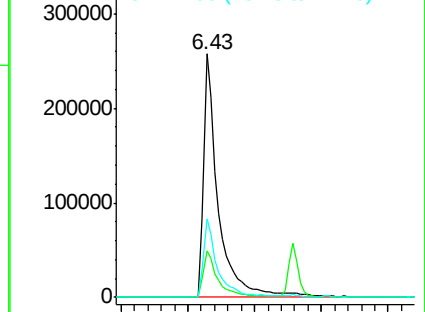
99 100

42 18.9 14.5 21.7

71 32.4 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: 13.788 ng

RT: 7.36 min Scan# 896

Delta R.T. 0.15 min

Lab File: BF101681.D

Acq: 23 Dec 2017 5:00

Tgt Ion: 70 Resp: 132322

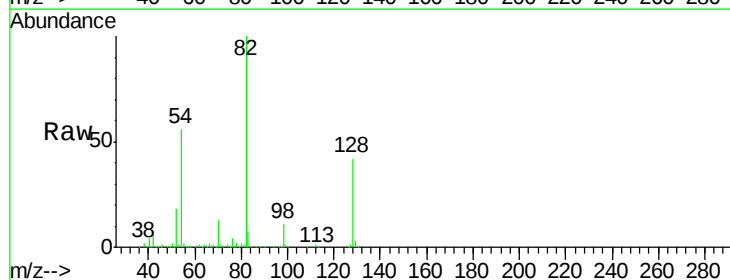
Ion Ratio Lower Upper

70 100

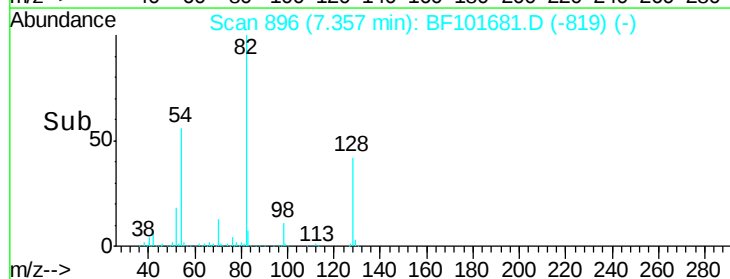
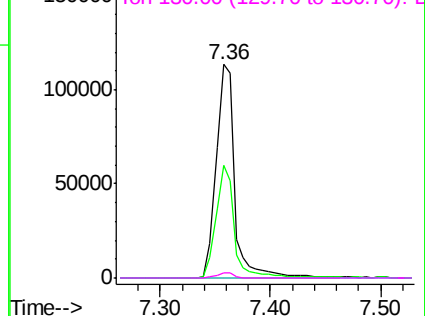
42 53.0 47.5 71.3

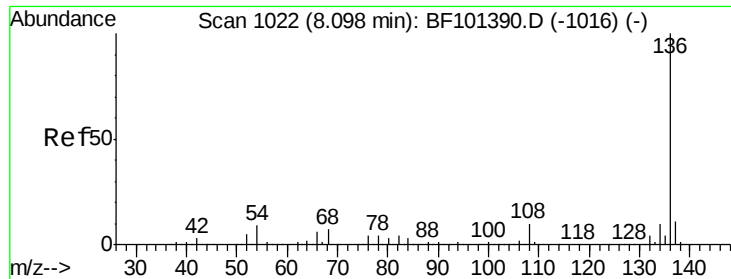
101 0.0 7.4 11.2#

130 2.2 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

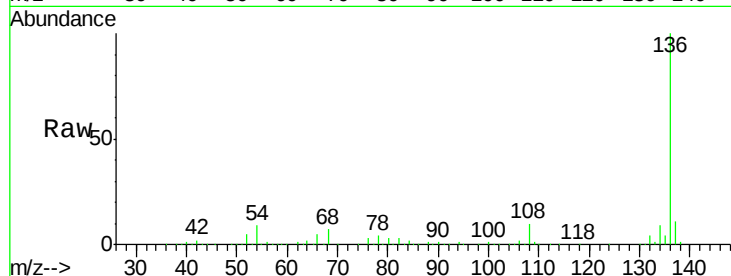




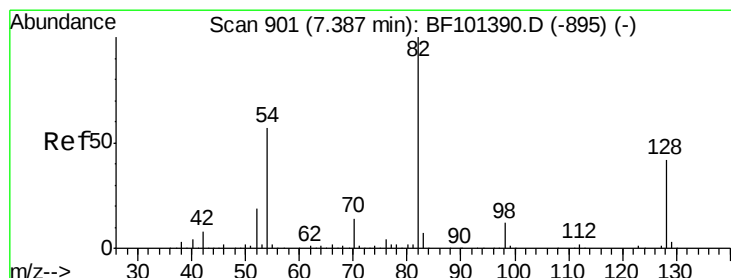
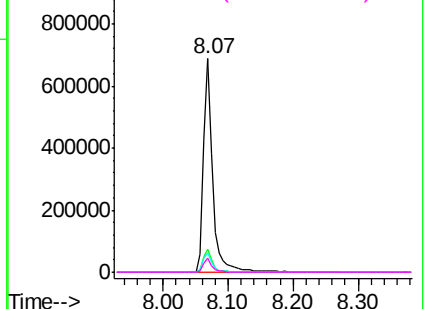
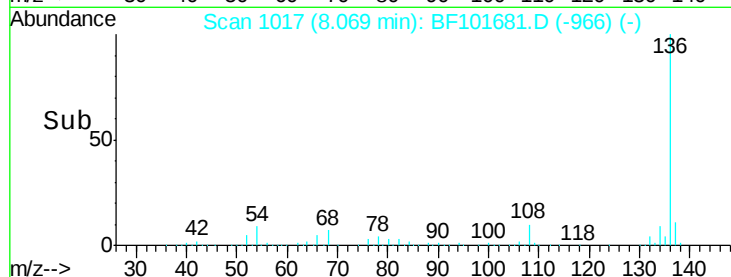
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.07 min Scan# 1017
Delta R.T. 0.00 min
Lab File: BF101681.D
Acq: 23 Dec 2017 5:00

Instrument :
BNA_F
ClientSampleId :
121517-TIFR-E-D-S

Tot Ion:136	Resp:	680148
Ion Ratio	Lower	Upper
136	100	
137	11.0	8.9 13.3
54	9.2	6.6 9.8
68	6.6	5.0 7.4

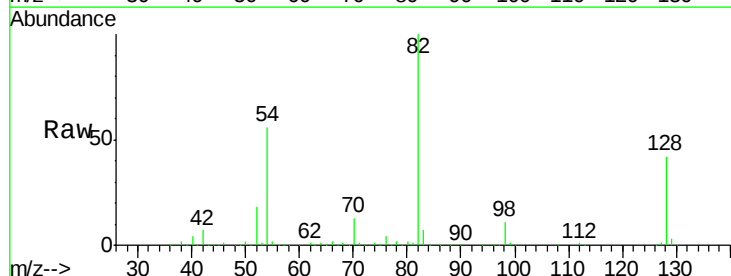


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF1
Ion 68.00 (67.70 to 68.70): BF1

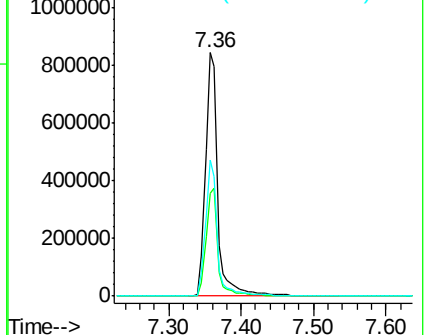
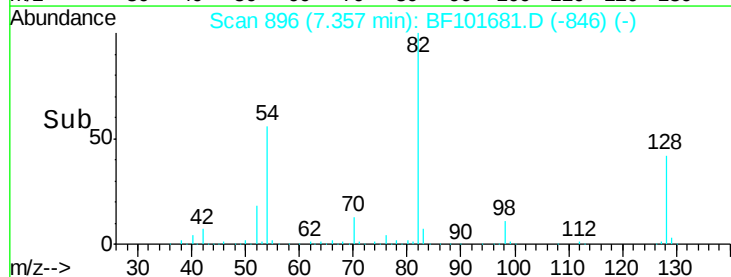


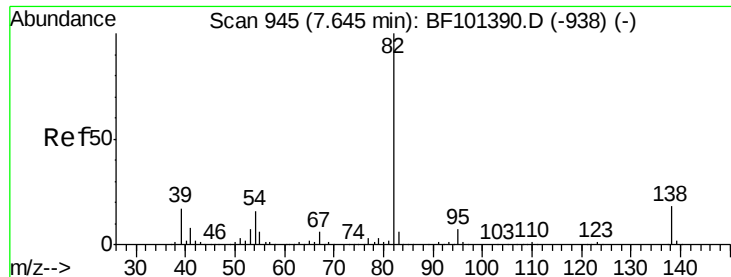
#23
Nitrobenzene-d5
Concen: 81.541 ng
RT: 7.36 min Scan# 896
Delta R.T. -0.01 min
Lab File: BF101681.D
Acq: 23 Dec 2017 5:00

Tgt Ion: 82	Resp:	996306
Ion Ratio	Lower	Upper
82	100	
128	42.2	36.1 54.1
54	56.0	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: 40.650 ng

RT: 7.36 min Scan# 896

Delta R.T. -0.26 min

Lab File: BF101681.D

Acq: 23 Dec 2017 5:00

Instrument :

BNA_F

ClientSampleId :

121517-TIFR-E-D-S

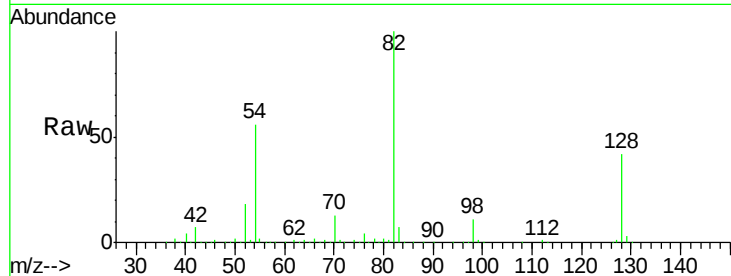
Tot Ion: 82 Resp: 996382

Ion Ratio Lower Upper

82 100

95 0.0 5.2 7.8#

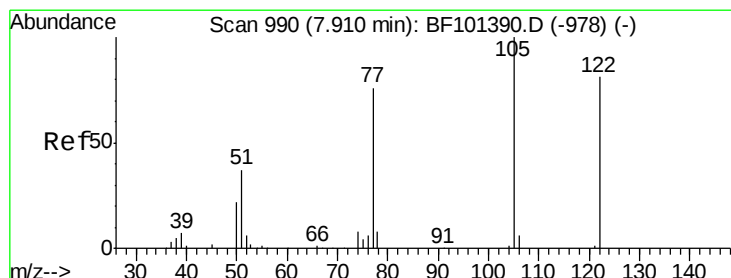
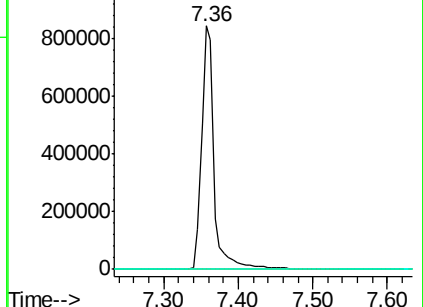
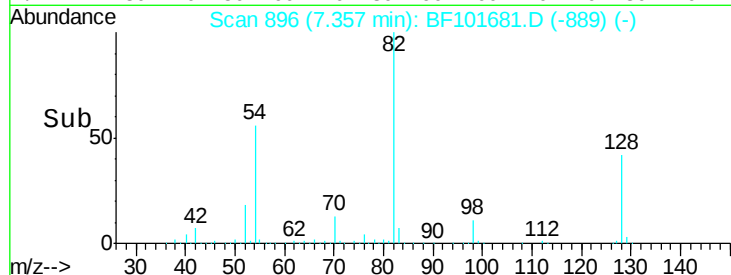
138 0.0 14.9 22.3#



Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 95.00 (94.70 to 95.70): BF1

Ion 138.00 (137.70 to 138.70): BF1



#32

Benzoic acid

Concen: 7.977 ng

RT: 8.07 min Scan# 1018

Delta R.T. 0.18 min

Lab File: BF101681.D

Acq: 23 Dec 2017 5:00

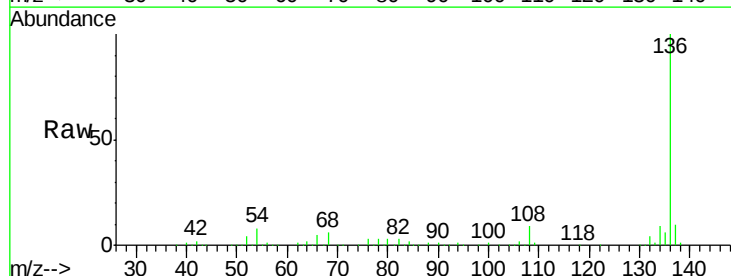
Tgt Ion: 122 Resp: 130

Ion Ratio Lower Upper

122 100

105 130.8 101.1 141.1

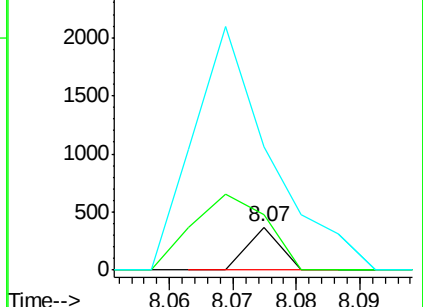
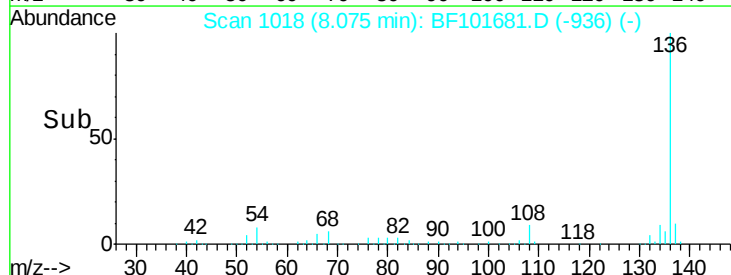
77 288.0 70.7 110.7#

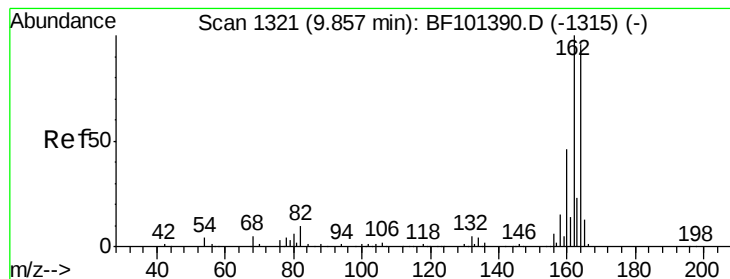


Abundance Ion 122.00 (121.70 to 122.70): BF1

Ion 105.00 (104.70 to 105.70): BF1

Ion 77.00 (76.70 to 77.70): BF1





#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.82 min Scan# 1315

Delta R.T. -0.01 min

Lab File: BF101681.D

Acq: 23 Dec 2017 5:00

Instrument :

BNA_F

ClientSampleId :

121517-TIFR-E-D-S

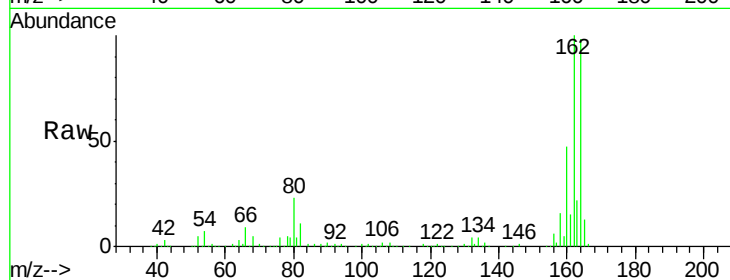
Tot Ion:164 Resp: 284436

Ion Ratio Lower Upper

164 100

162 101.7 86.1 129.1

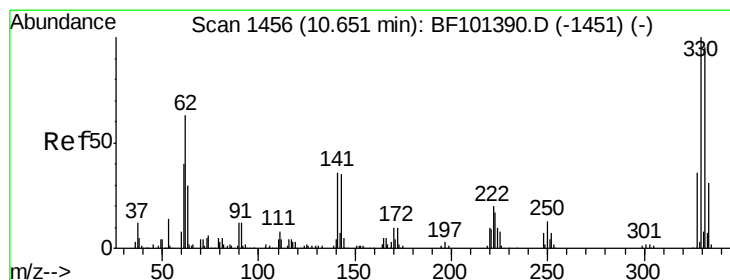
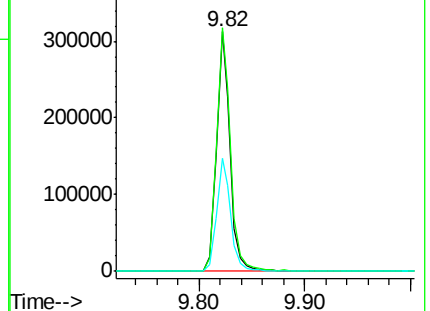
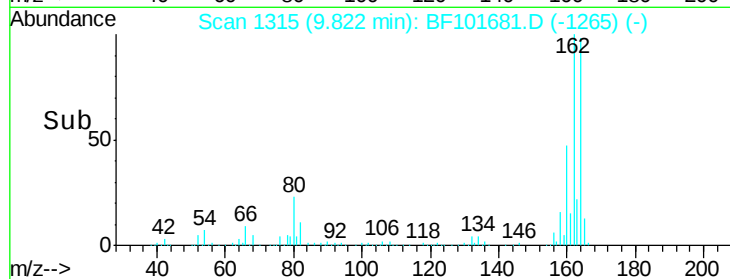
160 47.4 38.3 57.5



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: 77.029 ng

RT: 10.62 min Scan# 1450

Delta R.T. -0.01 min

Lab File: BF101681.D

Acq: 23 Dec 2017 5:00

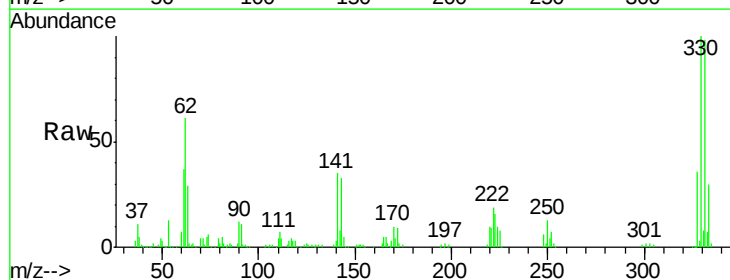
Tgt Ion:330 Resp: 211119

Ion Ratio Lower Upper

330 100

332 98.0 77.0 115.6

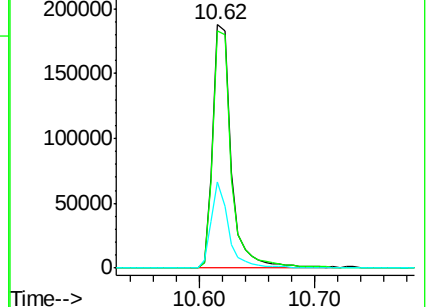
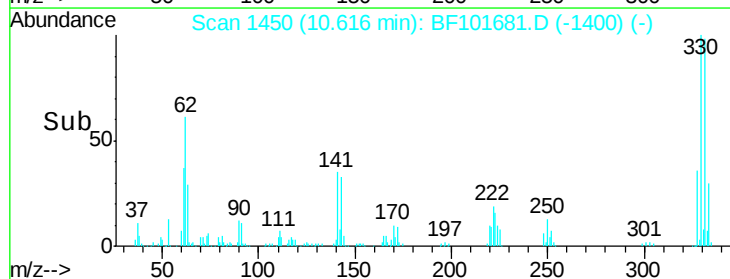
141 33.1 29.9 44.9

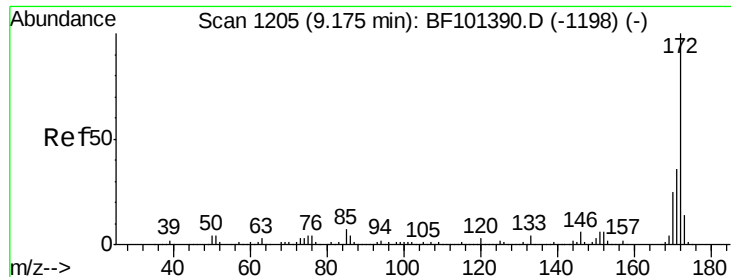


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



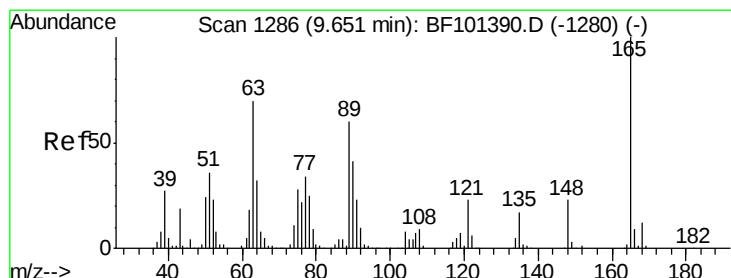
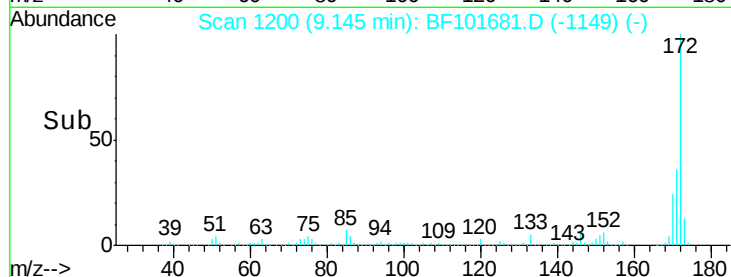
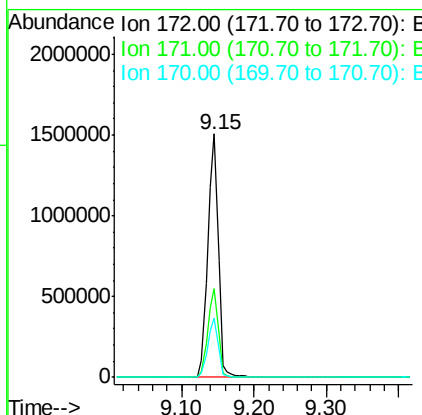
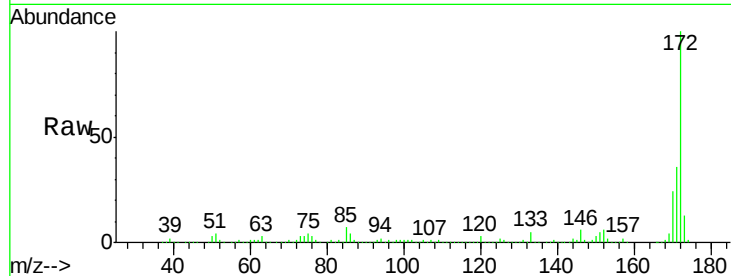


#44
 2-Fluorobiphenyl
 Concen: 82.812 ng
 RT: 9.15 min Scan# 1200
 Delta R.T. 0.00 min
 Lab File: BF101681.D
 Acq: 23 Dec 2017 5:00

Instrument :
 BNA_F
 ClientSampleId :
 121517-TIFR-E-D-S

Tot Ion:172 Resp: 1518441

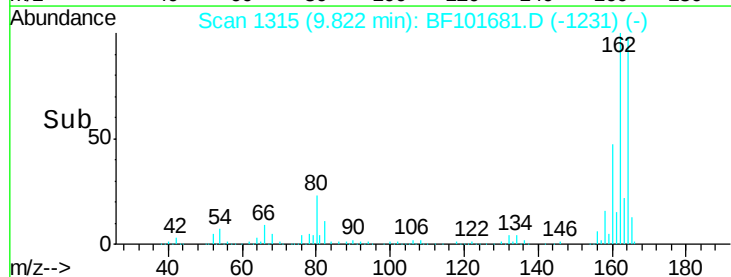
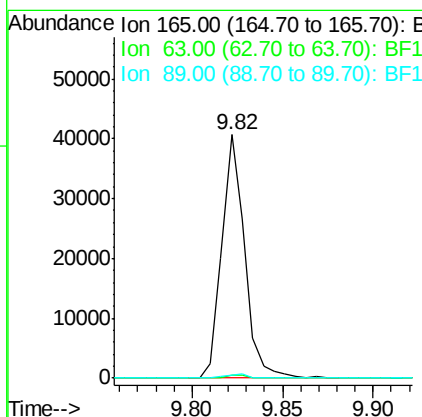
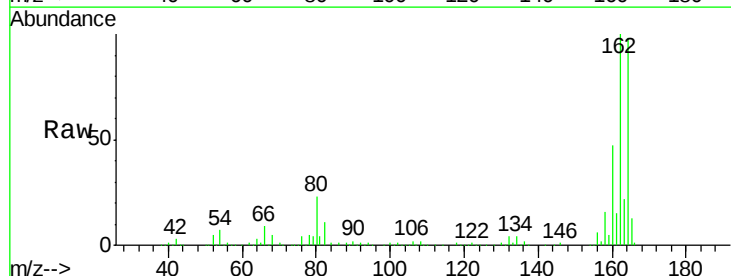
Ion	Ratio	Lower	Upper
172	100		
171	36.3	29.7	44.5
170	24.3	19.6	29.4

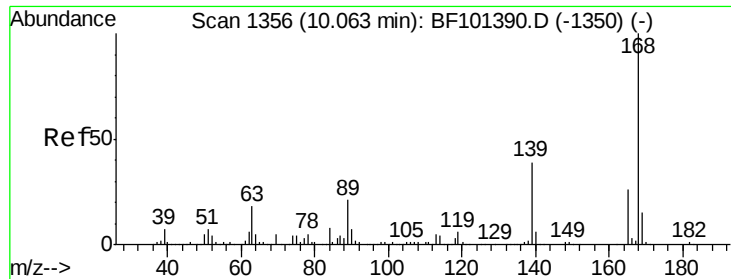


#50
 2,6-Dinitrotoluene
 Concen: 7.678 ng
 RT: 9.82 min Scan# 1315
 Delta R.T. 0.19 min
 Lab File: BF101681.D
 Acq: 23 Dec 2017 5:00

Tgt Ion:165 Resp: 35702

Ion	Ratio	Lower	Upper
165	100		
63	1.4	44.7	67.1#
89	1.3	44.0	66.0#

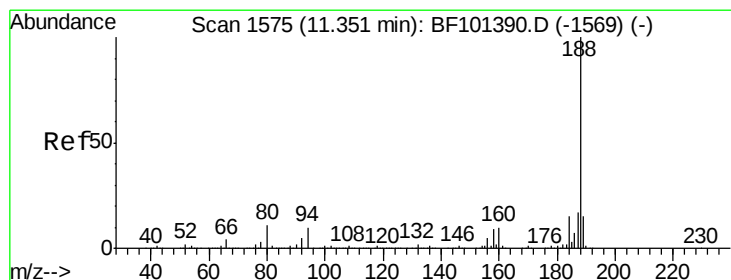
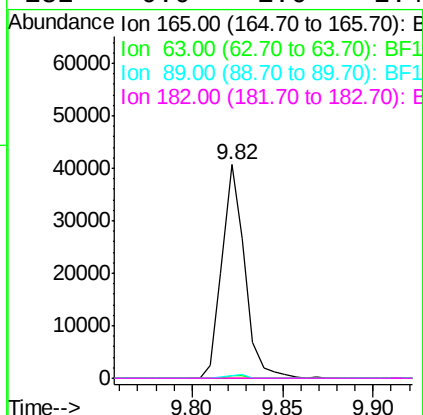
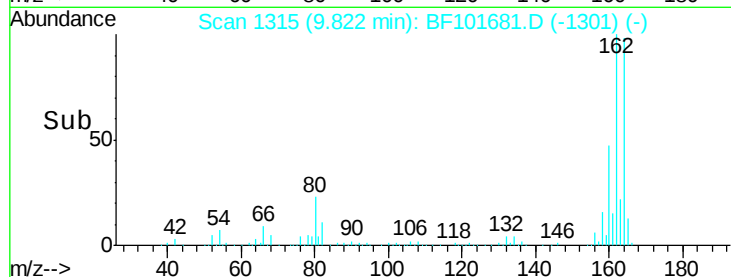
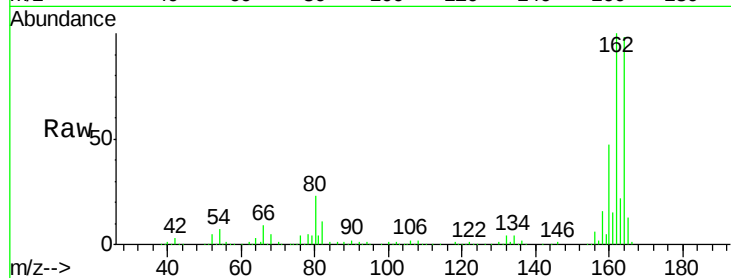




#56
 2,4-Dinitrotoluene
 Concen: 6.815 ng
 RT: 9.82 min Scan# 1315
 Delta R.T. -0.22 min
 Lab File: BF101681.D
 Acq: 23 Dec 2017 5:00

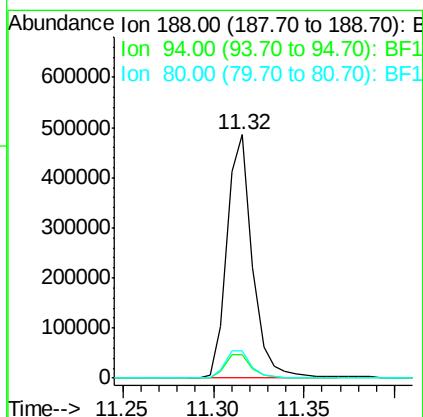
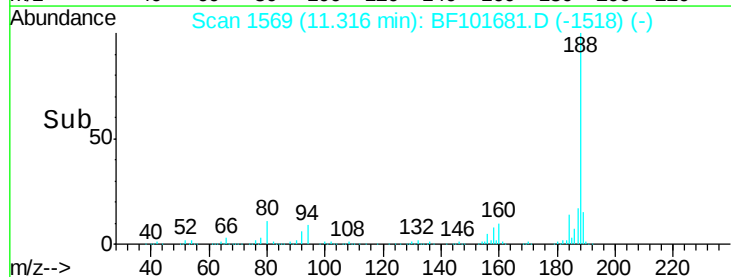
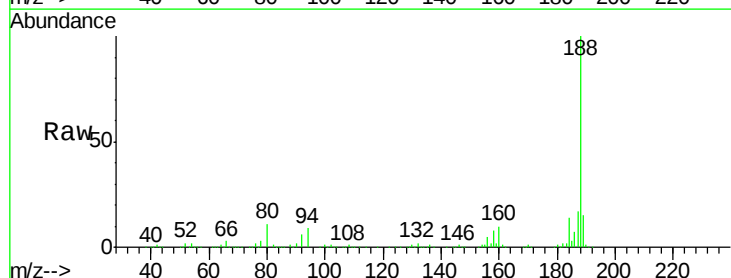
Instrument :
 BNA_F
 ClientSampleId :
 121517-TIFR-E-D-S

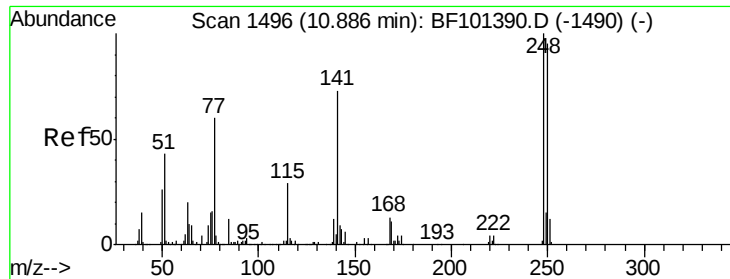
Tot Ion	Ratio	Lower	Upper
165	100		
63	1.4	36.4	54.6#
89	1.3	57.8	86.6#
182	0.0	1.6	2.4#



#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.32 min Scan# 1569
 Delta R.T. 0.00 min
 Lab File: BF101681.D
 Acq: 23 Dec 2017 5:00

Tgt Ion	Ratio	Lower	Upper
188	100		
94	9.4	8.5	12.7
80	11.2	9.2	13.8

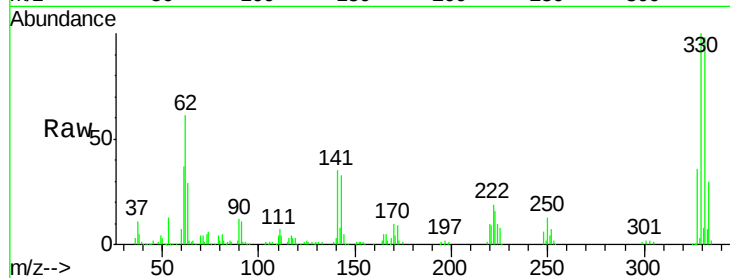




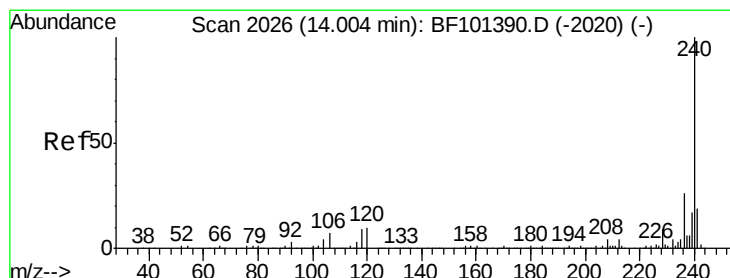
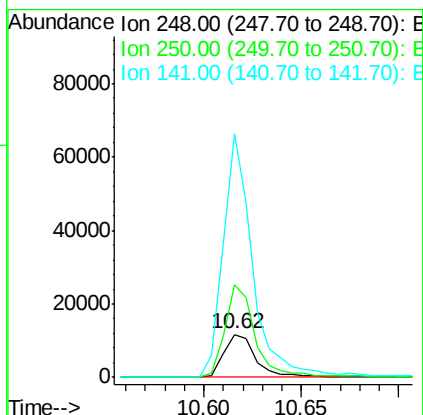
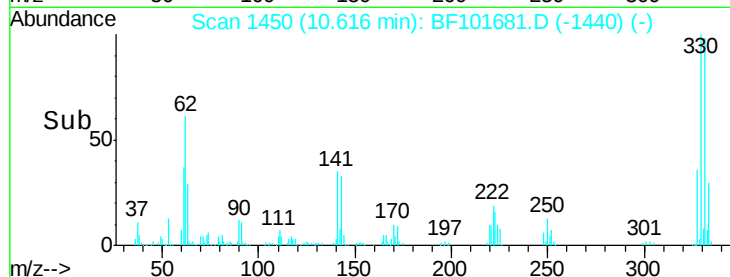
#66
4-Bromophenyl-phenylether
Concen: 2.463 ng
RT: 10.62 min Scan# 1450
Delta R.T. -0.24 min
Lab File: BF101681.D
Acq: 23 Dec 2017 5:00

Instrument :
BNA_F
ClientSampleId :
121517-TIFR-E-D-S

Tot Ion:248 Resp: 13145
Ion Ratio Lower Upper
248 100
250 213.7 76.9 115.3#
141 564.6 74.4 111.6#

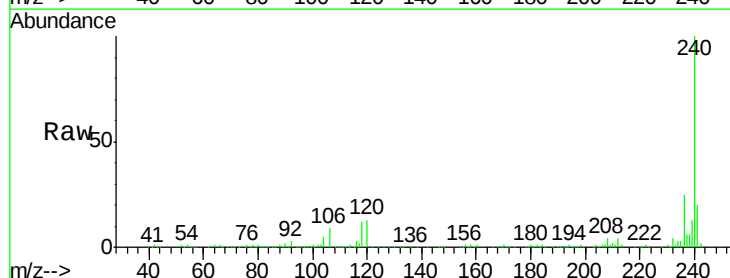


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

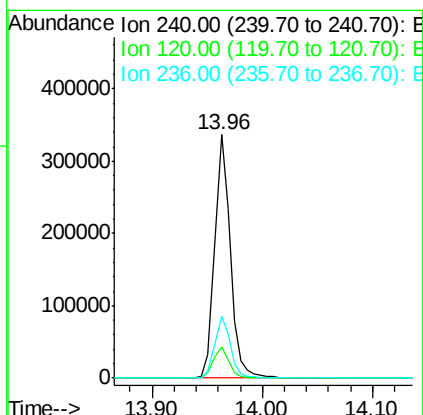
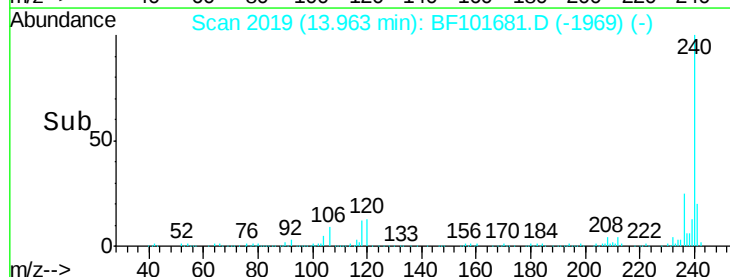


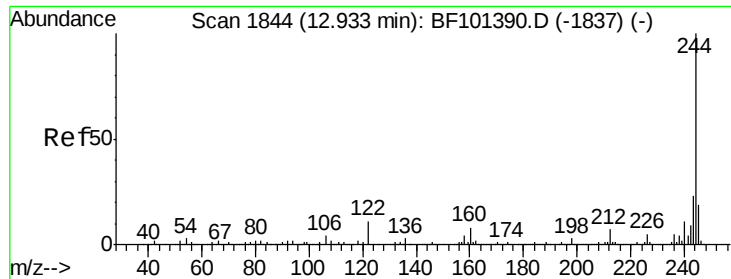
#75
Chrysene-d12
Concen: 20.000 ng
RT: 13.96 min Scan# 2019
Delta R.T. -0.01 min
Lab File: BF101681.D
Acq: 23 Dec 2017 5:00

Tgt Ion:240 Resp: 330338
Ion Ratio Lower Upper
240 100
120 12.8 9.5 14.3
236 25.5 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





#78

Terphenyl-d14

Concen: 85.135 ng

RT: 12.90 min Scan# 1838

Delta R.T. -0.01 min

Lab File: BF101681.D

Acq: 23 Dec 2017 5:00

Instrument :

BNA_F

ClientSampleId :

121517-TIFR-E-D-S

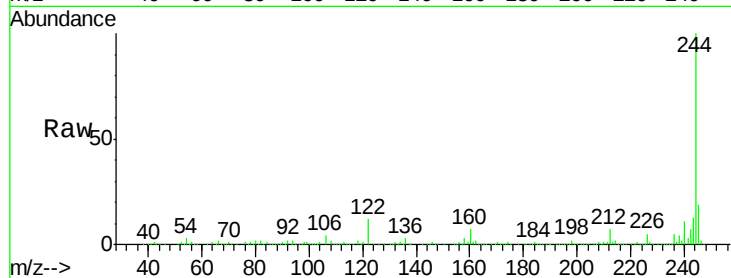
Tot Ion:244 Resp: 1166575

Ion Ratio Lower Upper

244 100

212 6.7 5.4 8.0

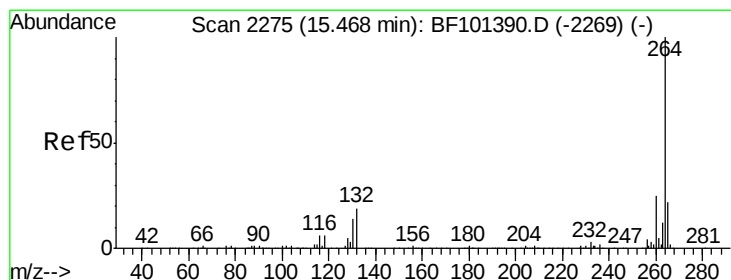
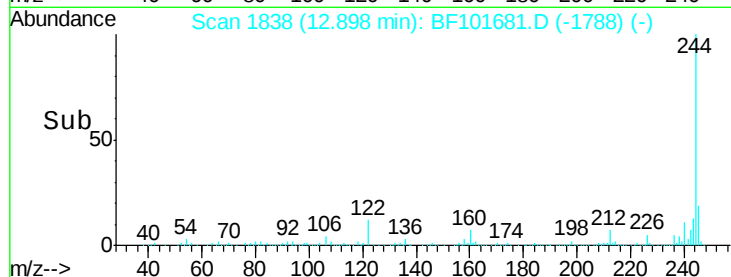
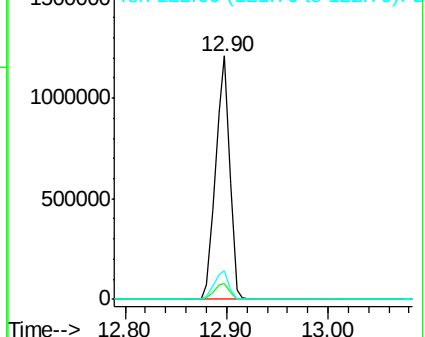
122 11.5 11.0 16.4



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

Perylene-d12

Concen: 20.000 ng

RT: 15.43 min Scan# 2268

Delta R.T. 0.00 min

Lab File: BF101681.D

Acq: 23 Dec 2017 5:00

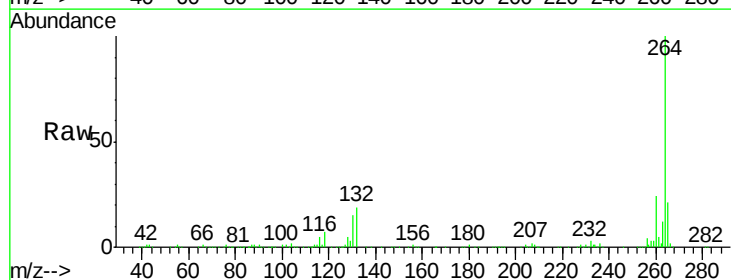
Tgt Ion:264 Resp: 320807

Ion Ratio Lower Upper

264 100

260 23.7 19.2 28.8

265 21.4 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

