

Data Path : Z:\HPCHEM1\BNA F\DATA\BF103017\
 Data File : BF099961.D
 Acq On : 30 Oct 2017 16:01
 Operator : SJ/JU
 Sample : I6084-04
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Oct 30 16:50:08 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF102317.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Oct 30 16:10:28 2017
 Response via : Initial Calibration

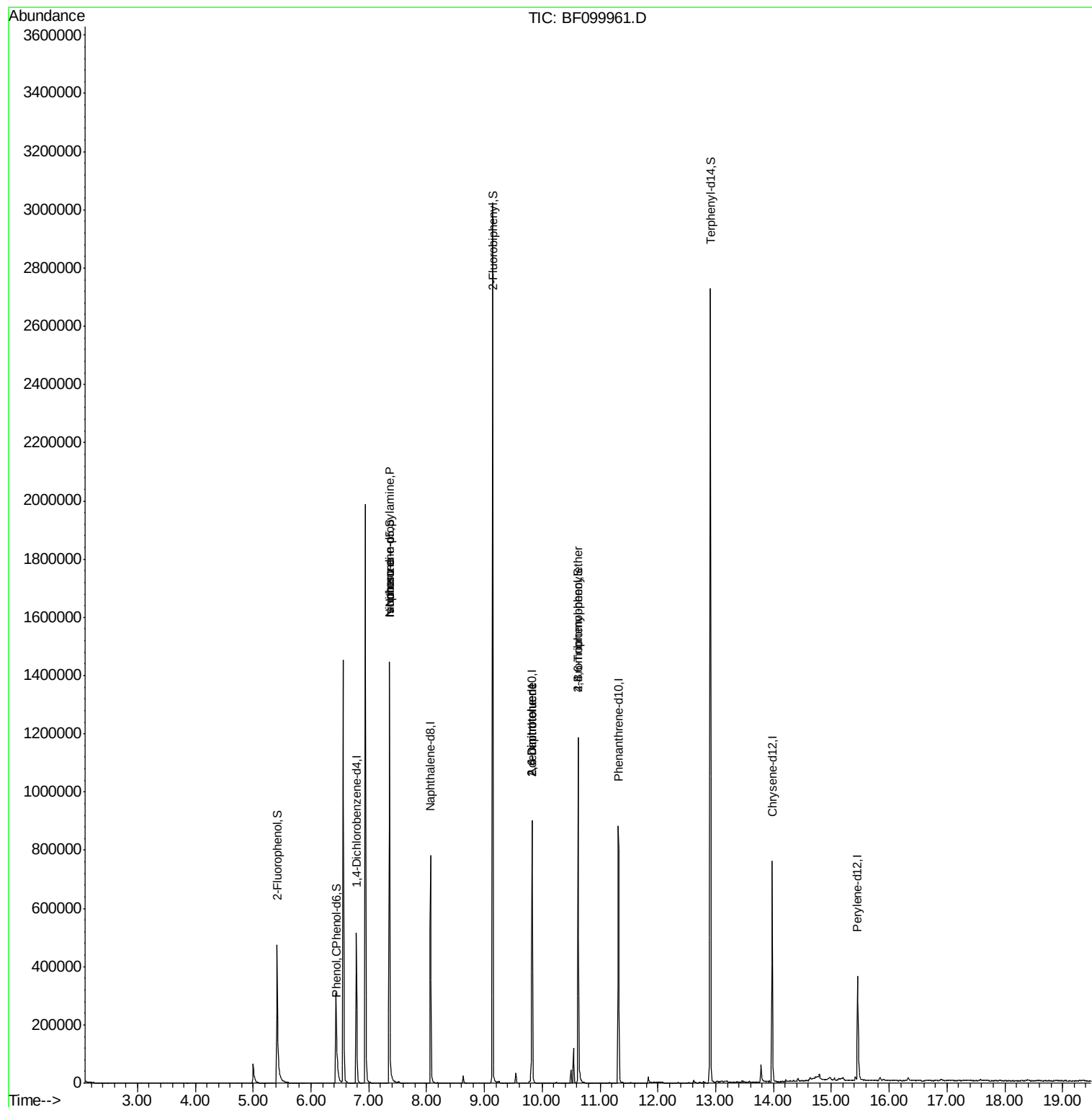
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.79	152	89018	20.00	ng	0.00
21) Naphthalene-d8	8.07	136	374795	20.00	ng	0.00
38) Acenaphthene-d10	9.82	164	185281	20.00	ng	0.00
63) Phenanthrene-d10	11.32	188	351644	20.00	ng	0.00
75) Chrysene-d12	13.97	240	260351	20.00	ng	0.00
86) Perylene-d12	15.46	264	179582	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.41	112	238172	42.01	ng	0.00
7) Phenol-d6	6.43	99	185442	27.58	ng	0.00
23) Nitrobenzene-d5	7.36	82	509372	87.50	ng	0.00
41) 2,4,6-Tribromophenol	10.62	330	158497	93.87	ng	0.00
44) 2-Fluorobiphenyl	9.15	172	1051600	87.57	ng	0.00
78) Terphenyl-d14	12.91	244	1080277	90.68	ng	0.00
Target Compounds						
10) Phenol	6.45	94	15778	2.137	ng	85
19) n-Nitroso-di-n-propylamine	7.36	70	63278	16.061	ng	# 72
25) Isophorone	7.36	82	509367	48.219	ng	# 64
50) 2,6-Dinitrotoluene	9.82	165	23286	7.549	ng	# 25
56) 2,4-Dinitrotoluene	9.82	165	23286	6.269	ng	# 23
66) 4-Bromophenyl-phenylether	10.62	248	10307	2.784	ng	# 1

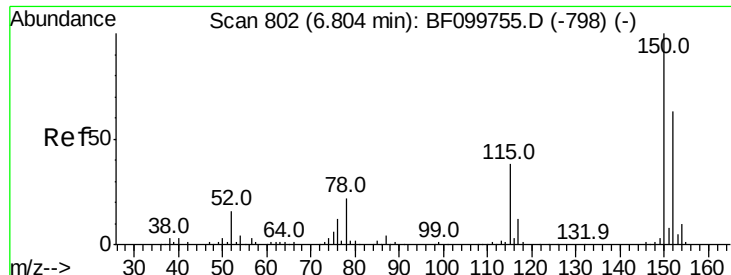
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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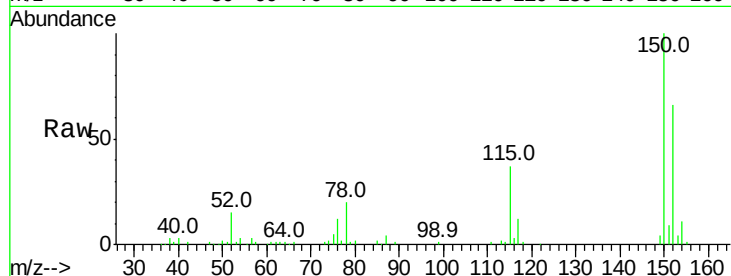


#1

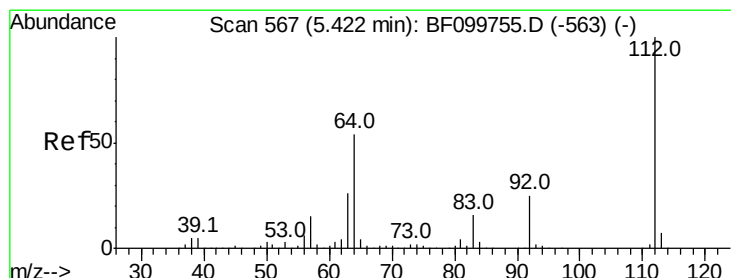
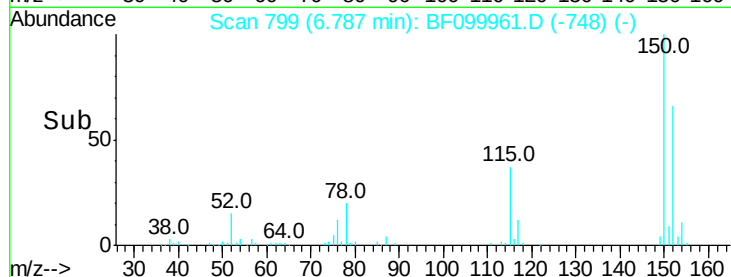
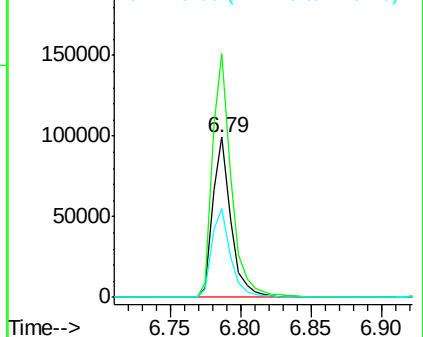
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.79 min Scan# 799
Delta R.T. 0.00 min
Lab File: BF099961.D
Acq: 30 Oct 2017 16:01

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 89018
Ion Ratio Lower Upper
152 100
150 152.0 124.6 186.8
115 55.7 50.1 75.1



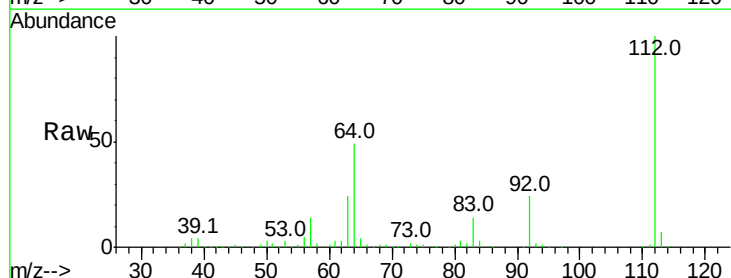
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



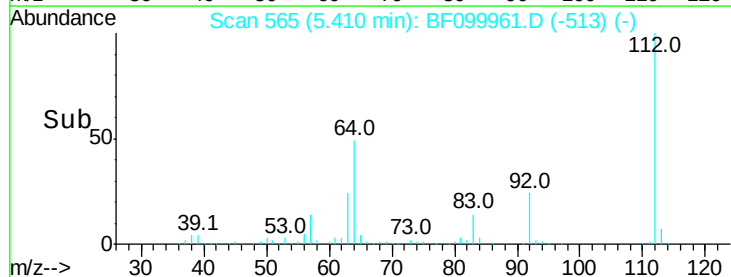
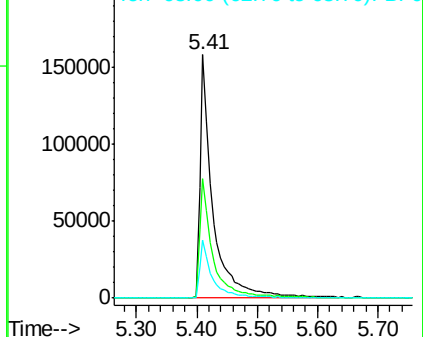
#5

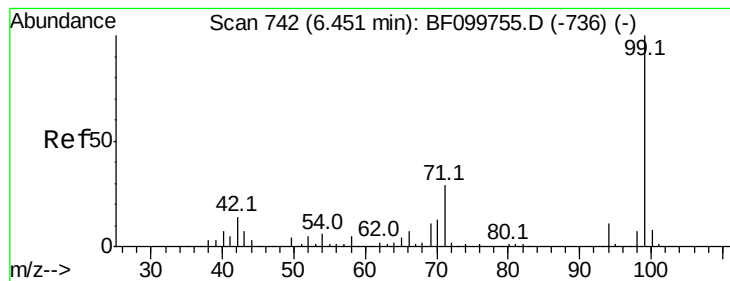
2-Fluorophenol
Concen: 42.005 ng
RT: 5.41 min Scan# 565
Delta R.T. 0.01 min
Lab File: BF099961.D
Acq: 30 Oct 2017 16:01

Tgt Ion:112 Resp: 238172
Ion Ratio Lower Upper
112 100
64 49.1 47.9 71.9
63 24.0 23.7 35.5



Abundance Ion 112.00 (111.70 to 112.70): E
Ion 64.00 (63.70 to 64.70): BF0
Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 27.583 ng

RT: 6.43 min Scan# 739

Delta R.T. 0.00 min

Lab File: BF099961.D

Acq: 30 Oct 2017 16:01

Instrument :

BNA_F

ClientSampleId :

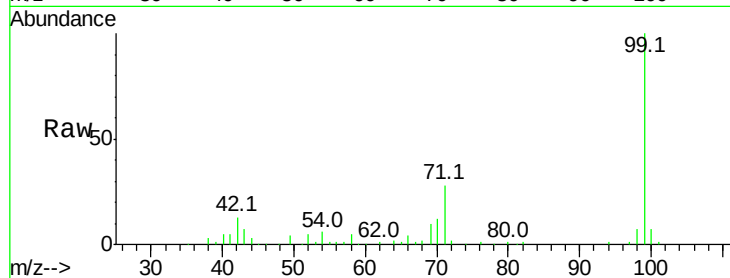
Tot Ion: 99 Resp: 185442

Ion Ratio Lower Upper

99 100

42 13.4 14.5 21.7#

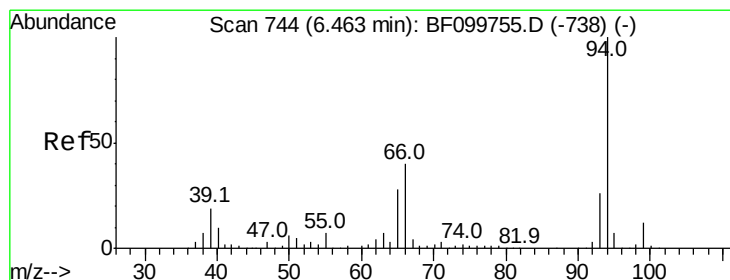
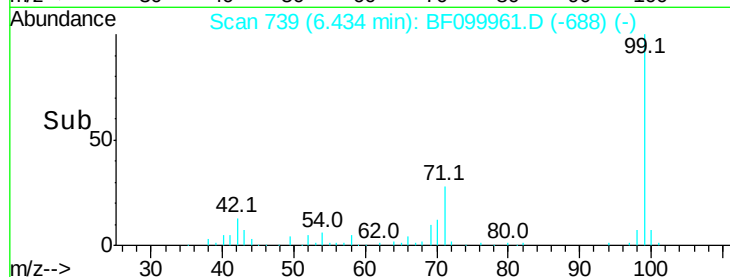
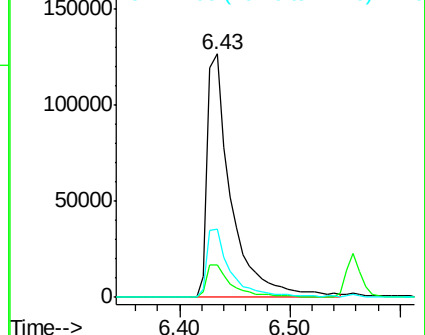
71 28.2 25.4 38.0



Abundance Ion 99.00 (98.70 to 99.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 71.00 (70.70 to 71.70): BF0



#10

Phenol

Concen: 2.137 ng

RT: 6.45 min Scan# 742

Delta R.T. 0.01 min

Lab File: BF099961.D

Acq: 30 Oct 2017 16:01

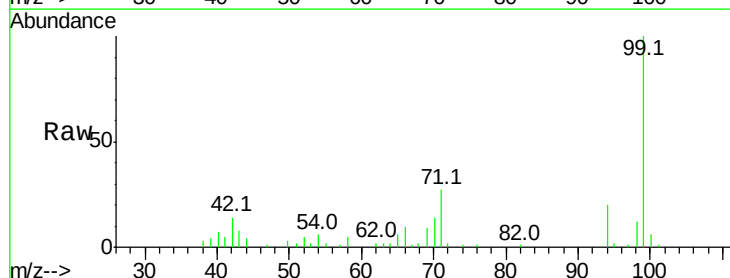
Tgt Ion: 94 Resp: 15778

Ion Ratio Lower Upper

94 100

65 30.5 7.9 47.9

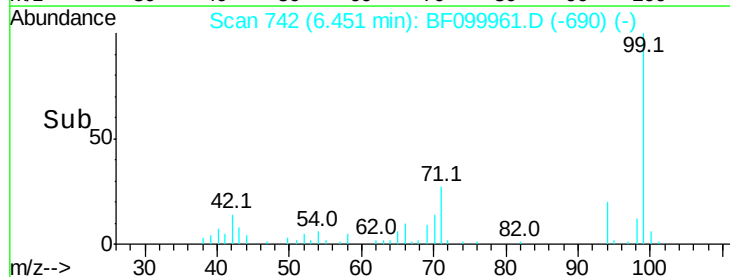
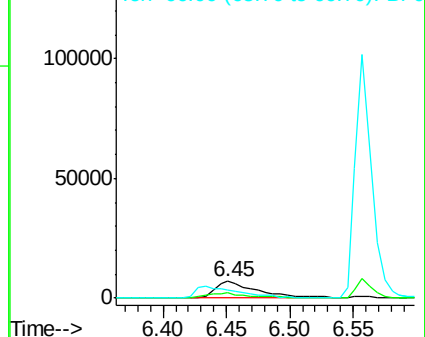
66 49.6 16.2 56.2

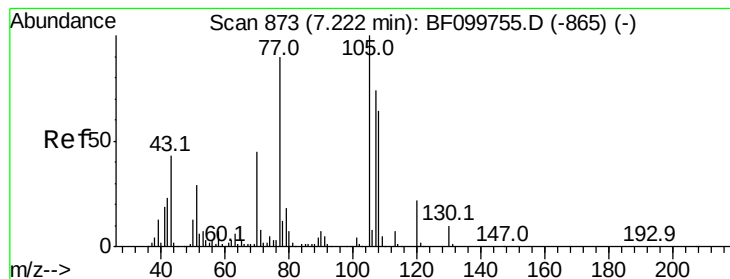


Abundance Ion 94.00 (93.70 to 94.70): BF0

Ion 65.00 (64.70 to 65.70): BF0

Ion 66.00 (65.70 to 66.70): BF0





#19

n-Nitroso-di-n-propylamine

Concen: 16.061 ng

RT: 7.36 min Scan# 896

Delta R.T. 0.15 min

Lab File: BF099961.D

Acq: 30 Oct 2017 16:01

Instrument :

BNA_F

ClientSampleId :

Tot Ion: 70 Resp: 63278

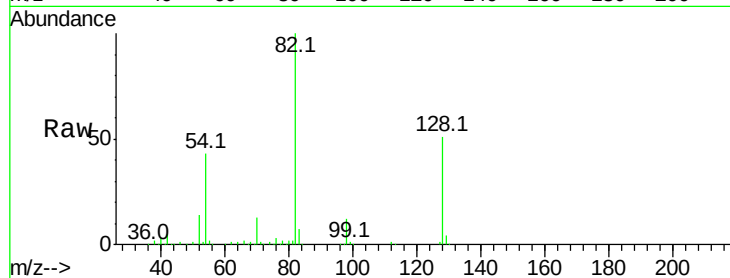
Ion Ratio Lower Upper

70 100

42 41.1 47.5 71.3#

101 0.0 7.4 11.2#

130 2.6 16.6 25.0#



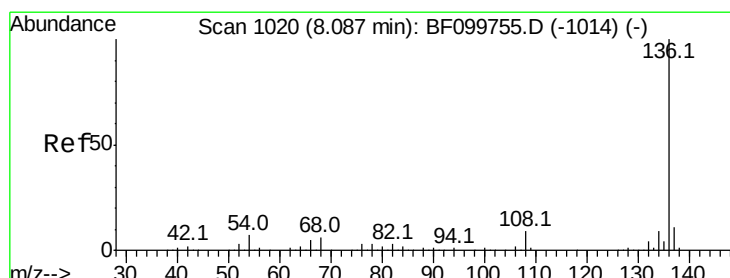
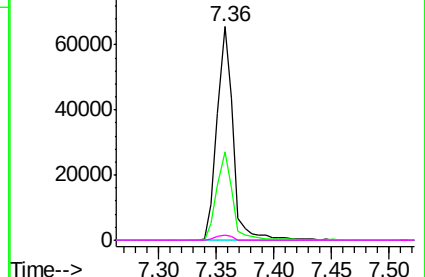
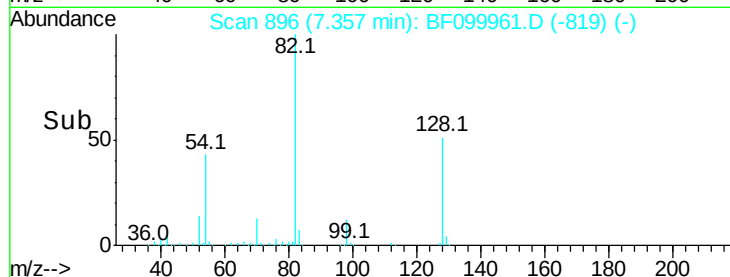
Abundance Ion 70.00 (69.70 to 70.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 101.00 (100.70 to 101.70): E

Ion 130.00 (129.70 to 130.70): E

Time-->



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.07 min Scan# 1017

Delta R.T. 0.00 min

Lab File: BF099961.D

Acq: 30 Oct 2017 16:01

Tgt Ion: 136 Resp: 374795

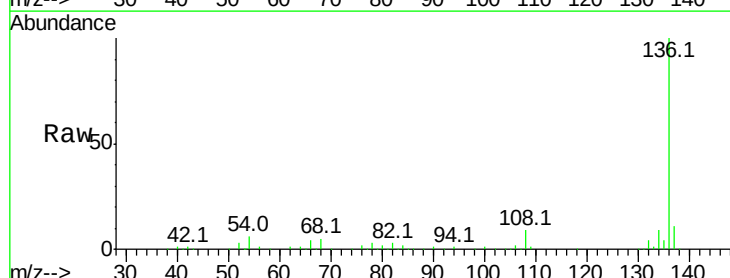
Ion Ratio Lower Upper

136 100

137 11.2 8.9 13.3

54 6.0 6.6 9.8#

68 5.3 5.0 7.4



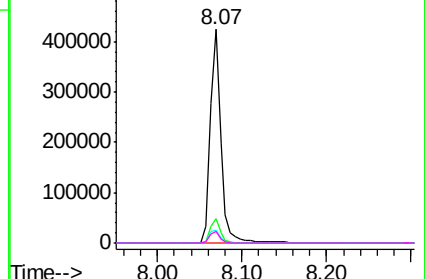
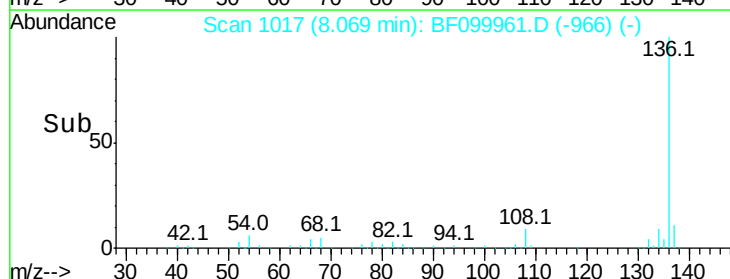
Abundance Ion 136.00 (135.70 to 136.70): E

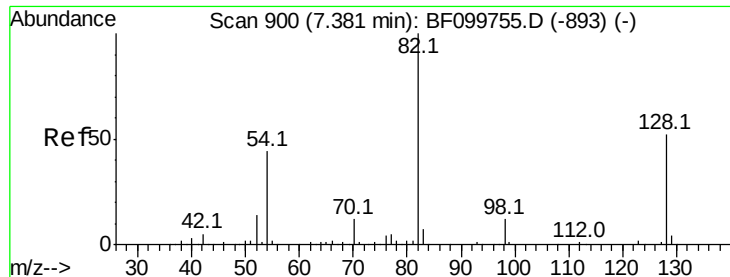
Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BF0

Ion 68.00 (67.70 to 68.70): BF0

Time-->

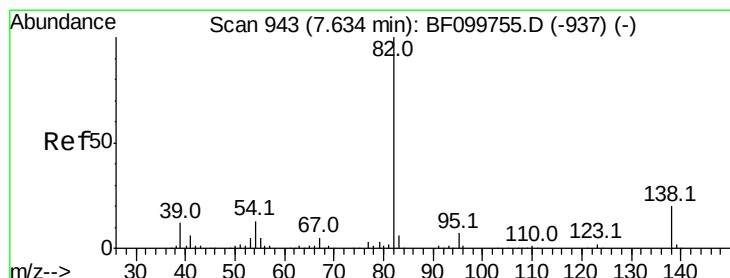
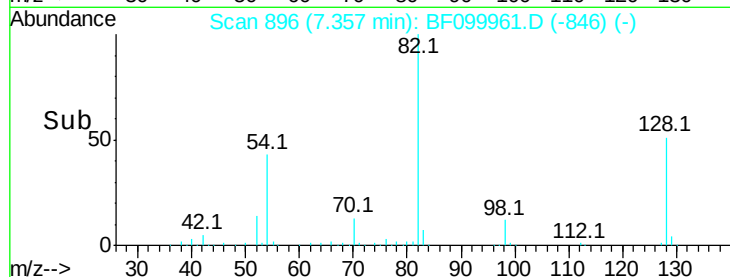
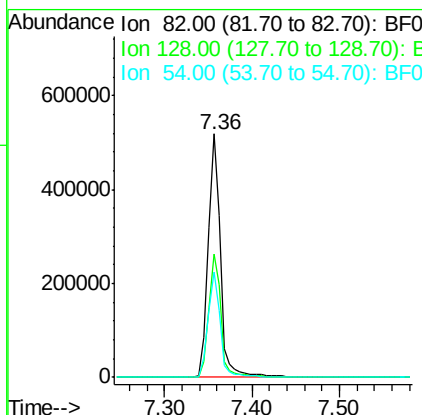
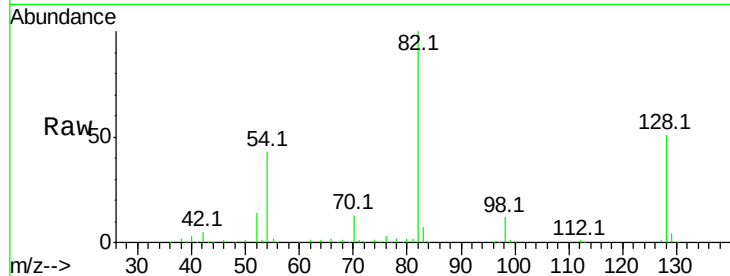




#23
 Nitrobenzene-d5
 Concen: 87.497 ng
 RT: 7.36 min Scan# 896
 Delta R.T. -0.01 min
 Lab File: BF099961.D
 Acq: 30 Oct 2017 16:01

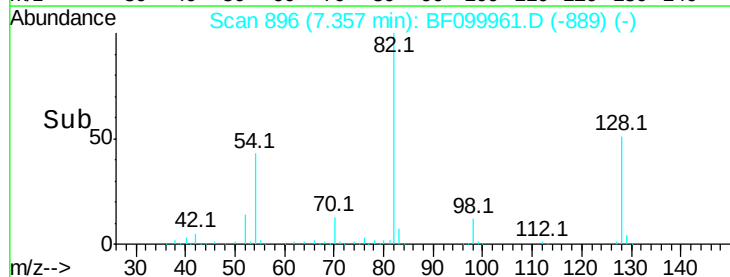
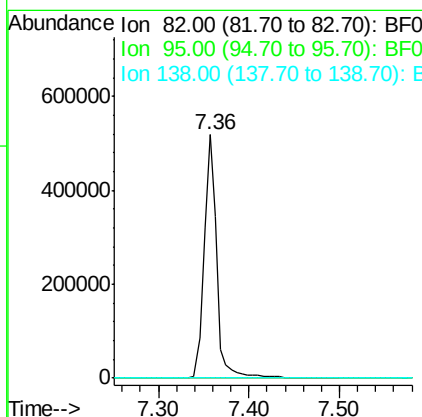
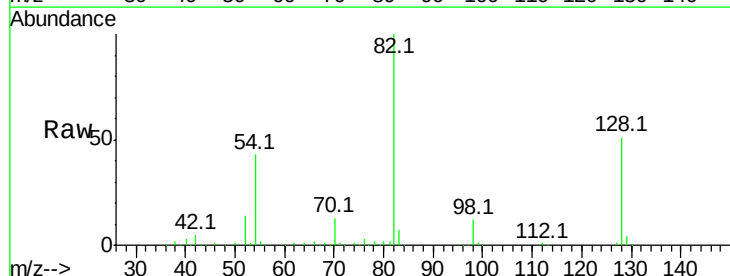
Instrument :
 BNA_F
 ClientSampleId :

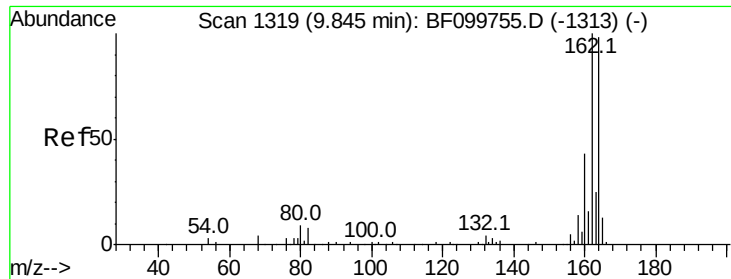
Tot Ion: 82 Resp: 509372
 Ion Ratio Lower Upper
 82 100
 128 50.8 36.1 54.1
 54 43.4 41.4 62.2



#25
 Isophorone
 Concen: 48.219 ng
 RT: 7.36 min Scan# 896
 Delta R.T. -0.26 min
 Lab File: BF099961.D
 Acq: 30 Oct 2017 16:01

Tgt Ion: 82 Resp: 509367
 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: 9.82 min Scan# 1315

Delta R.T. -0.01 min

Lab File: BF099961.D

Acq: 30 Oct 2017 16:01

Instrument :

BNA_F

ClientSampleId :

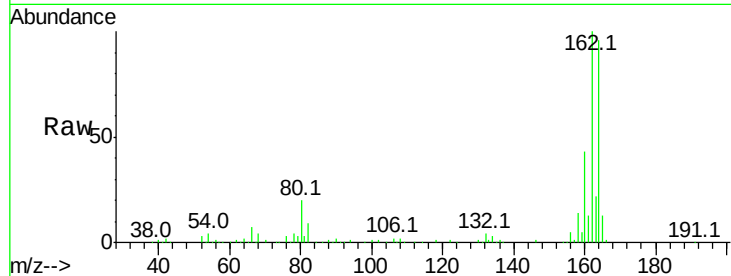
Tot Ion:164 Resp: 185281

Ion Ratio Lower Upper

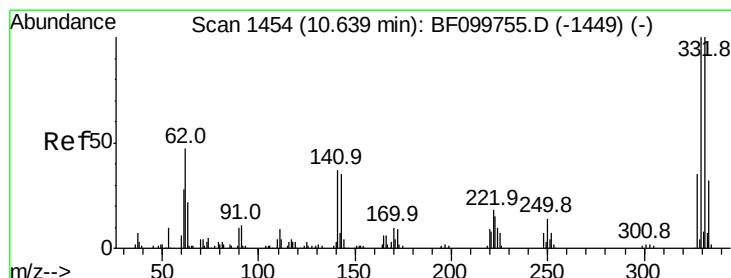
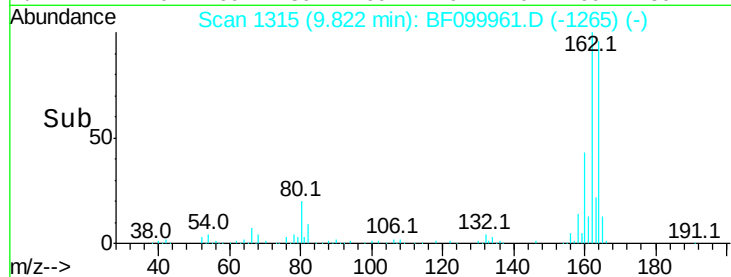
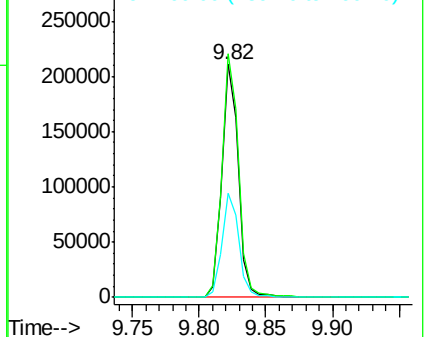
164 100

162 104.5 86.1 129.1

160 44.9 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: 93.869 ng

RT: 10.62 min Scan# 1451

Delta R.T. -0.01 min

Lab File: BF099961.D

Acq: 30 Oct 2017 16:01

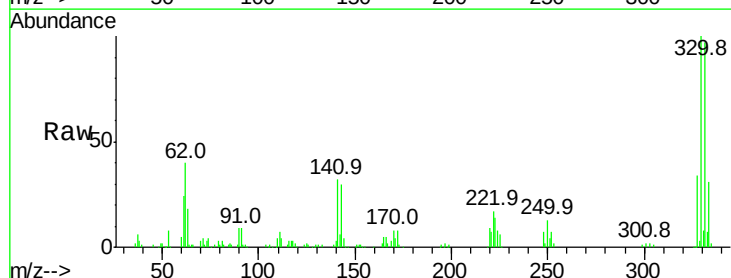
Tgt Ion:330 Resp: 158497

Ion Ratio Lower Upper

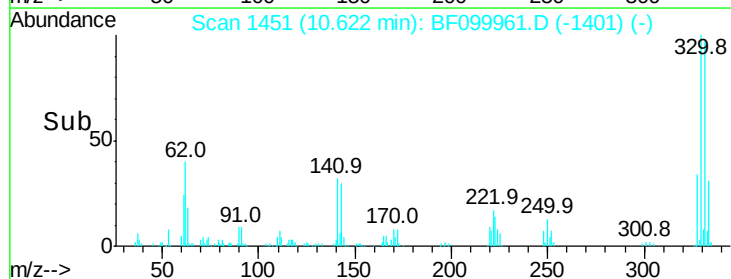
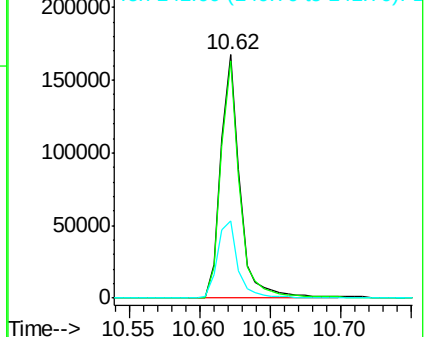
330 100

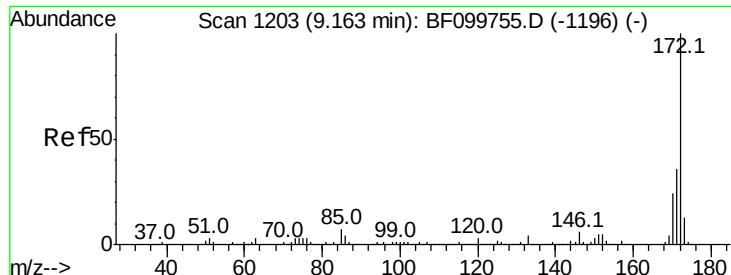
332 97.4 77.0 115.6

141 34.5 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



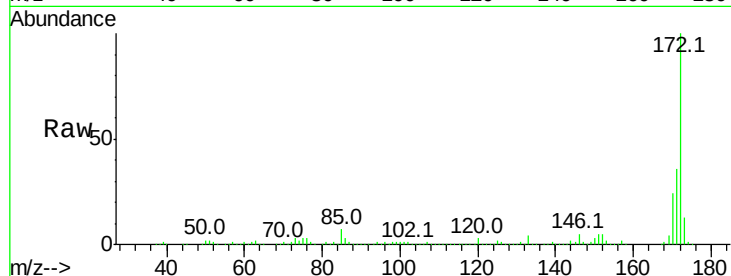


#44
 2-Fluorobiphenyl
 Concen: 87.567 ng
 RT: 9.15 min Scan# 1200
 Delta R.T. 0.00 min
 Lab File: BF099961.D
 Acq: 30 Oct 2017 16:01

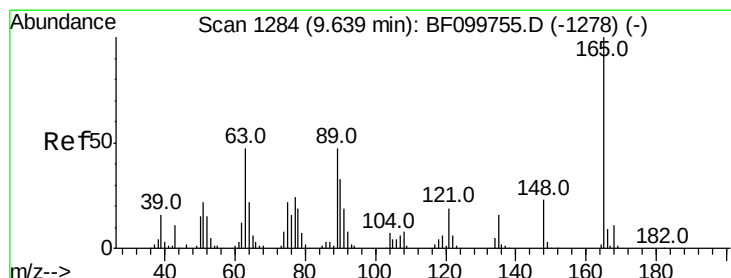
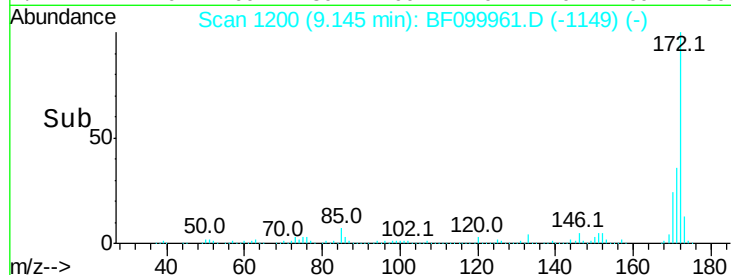
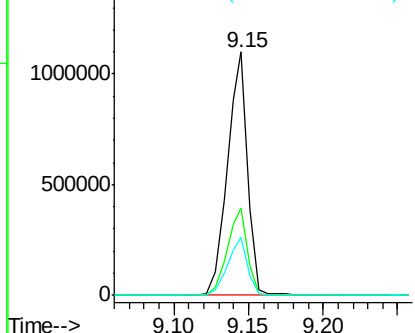
Instrument :
 BNA_F
 ClientSampled :

Tot Ion:172 Resp: 1051600

Ion	Ratio	Lower	Upper
172	100		
171	35.7	29.7	44.5
170	23.7	19.6	29.4



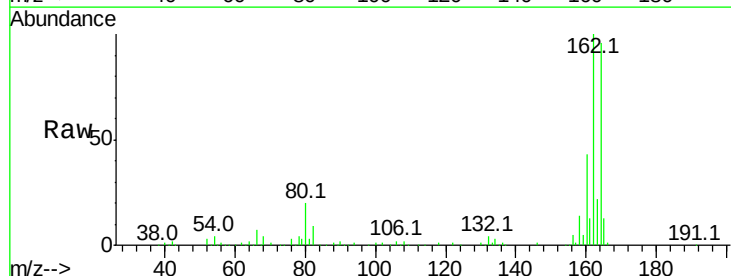
Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E



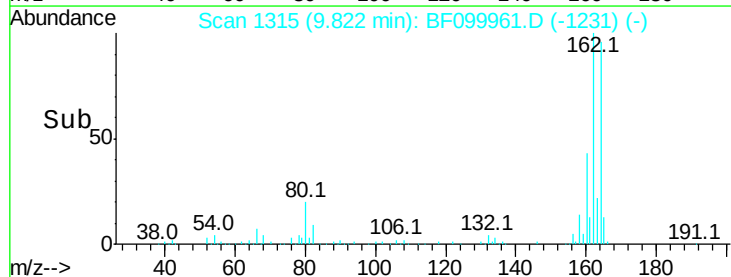
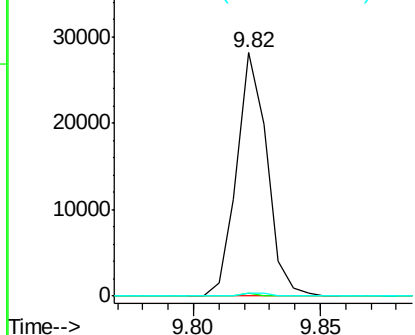
#50
 2,6-Dinitrotoluene
 Concen: 7.549 ng
 RT: 9.82 min Scan# 1315
 Delta R.T. 0.19 min
 Lab File: BF099961.D
 Acq: 30 Oct 2017 16:01

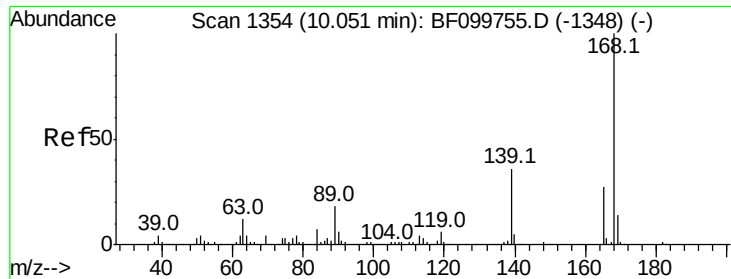
Tgt Ion:165 Resp: 23286

Ion	Ratio	Lower	Upper
165	100		
63	1.1	44.7	67.1#
89	1.3	44.0	66.0#



Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BF0
 Ion 89.00 (88.70 to 89.70): BF0

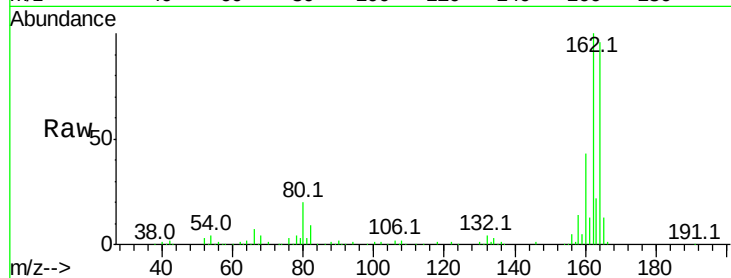




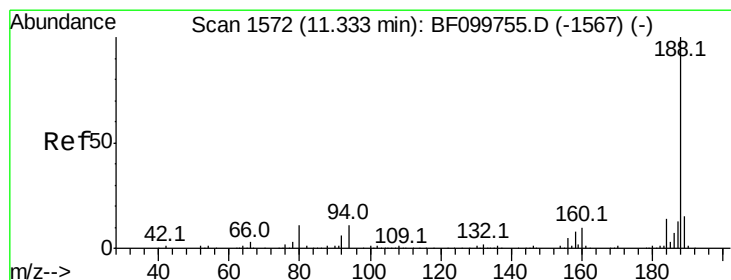
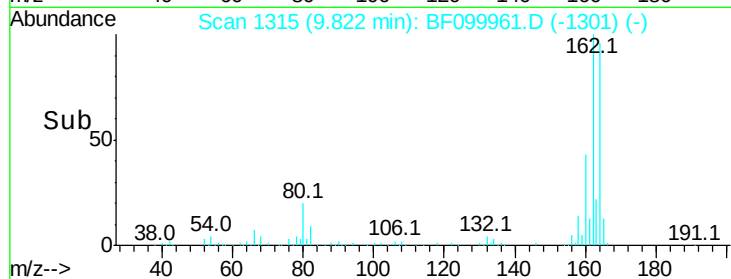
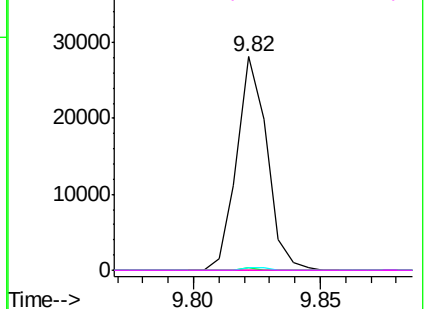
#56
 2,4-Dinitrotoluene
 Concen: 6.269 ng
 RT: 9.82 min Scan# 1315
 Delta R.T. -0.22 min
 Lab File: BF099961.D
 Acq: 30 Oct 2017 16:01

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:165 Resp: 23286
 Ion Ratio Lower Upper
 165 100
 63 1.1 36.4 54.6#
 89 1.3 57.8 86.6#
 182 0.0 1.6 2.4#

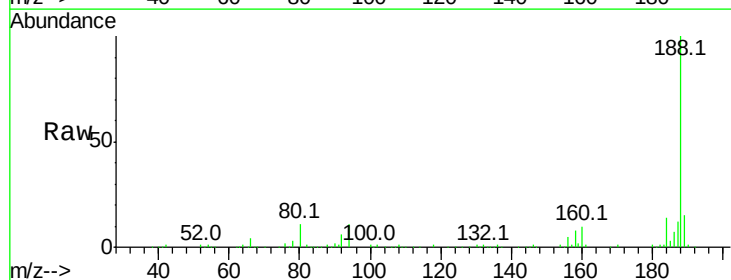


Abundance Ion 165.00 (164.70 to 165.70): E

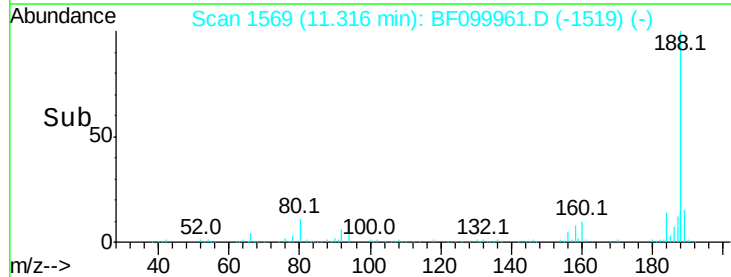
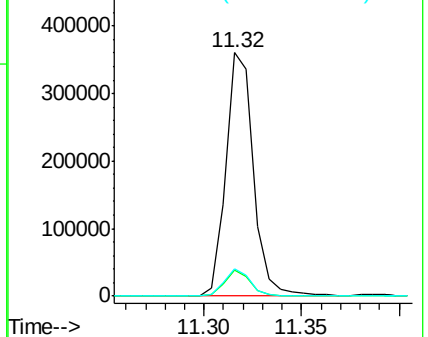


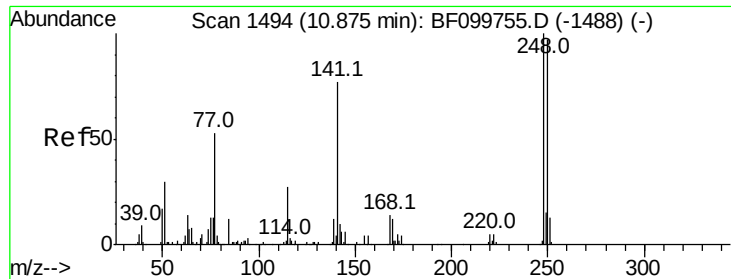
#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.32 min Scan# 1569
 Delta R.T. -0.01 min
 Lab File: BF099961.D
 Acq: 30 Oct 2017 16:01

Tgt Ion:188 Resp: 351644
 Ion Ratio Lower Upper
 188 100
 94 10.6 8.5 12.7
 80 11.3 9.2 13.8



Abundance Ion 188.00 (187.70 to 188.70): E

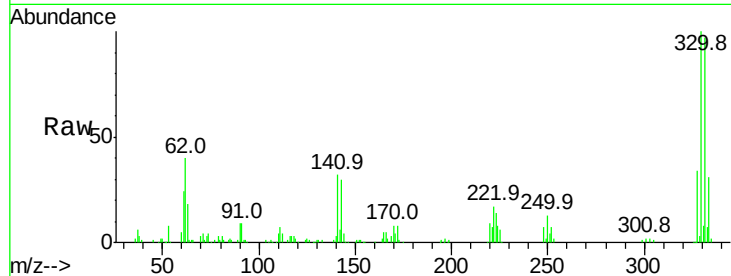




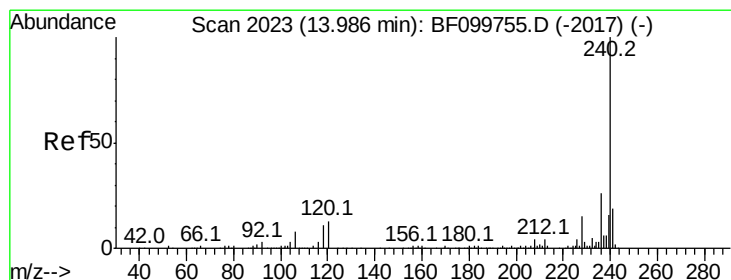
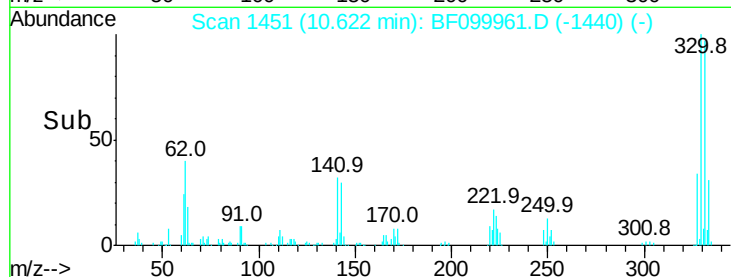
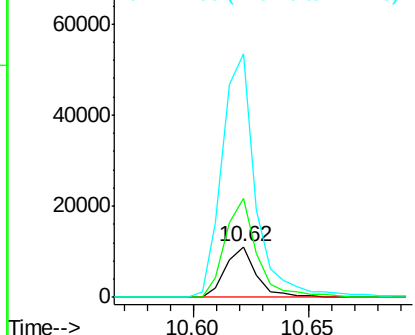
#66
4-Bromophenyl-phenylether
Concen: 2.784 ng
RT: 10.62 min Scan# 1451
Delta R.T. -0.24 min
Lab File: BF099961.D
Acq: 30 Oct 2017 16:01

Instrument :
BNA_F
ClientSampleId :

Tot Ion:248 Resp: 10307
Ion Ratio Lower Upper
248 100
250 195.5 76.9 115.3#
141 480.4 74.4 111.6#

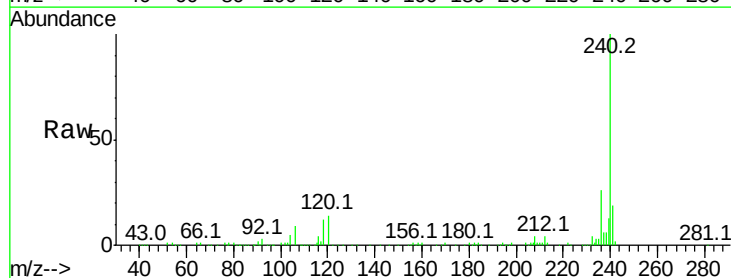


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

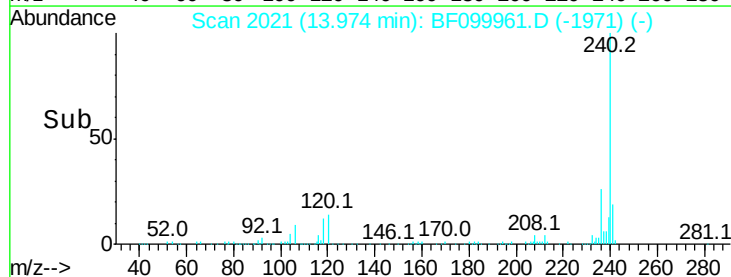
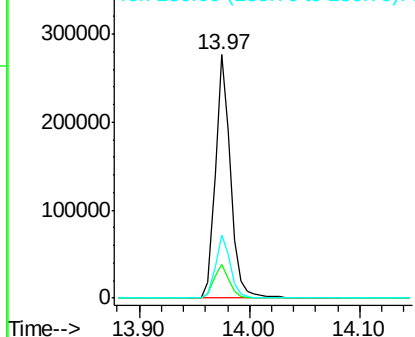


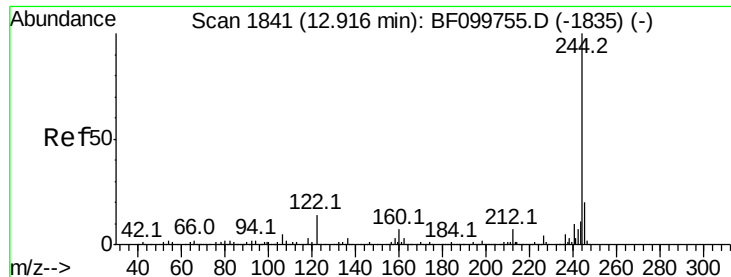
#75
Chrysene-d12
Concen: 20.000 ng
RT: 13.97 min Scan# 2021
Delta R.T. -0.01 min
Lab File: BF099961.D
Acq: 30 Oct 2017 16:01

Tgt Ion:240 Resp: 260351
Ion Ratio Lower Upper
240 100
120 13.8 9.5 14.3
236 25.8 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: 90.678 ng

RT: 12.91 min Scan# 1840

Delta R.T. 0.00 min

Lab File: BF099961.D

Acq: 30 Oct 2017 16:01

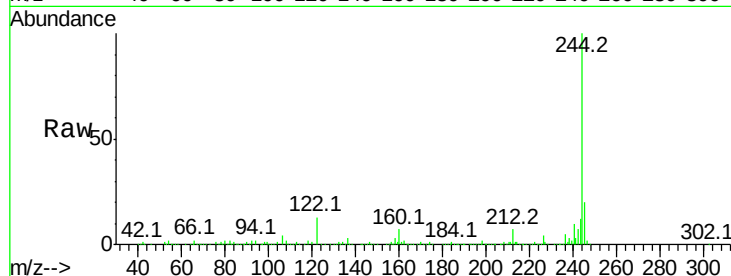
Instrument :

BNA_F

ClientSampleId :

Tot Ion:244 Resp: 1080277

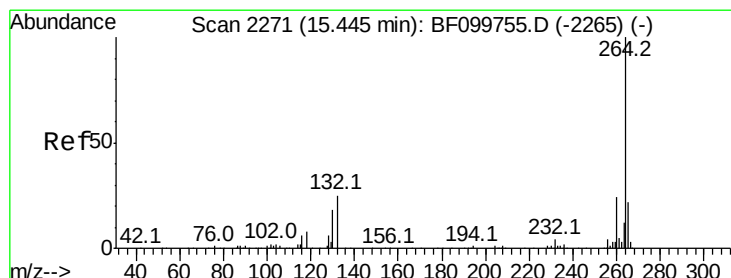
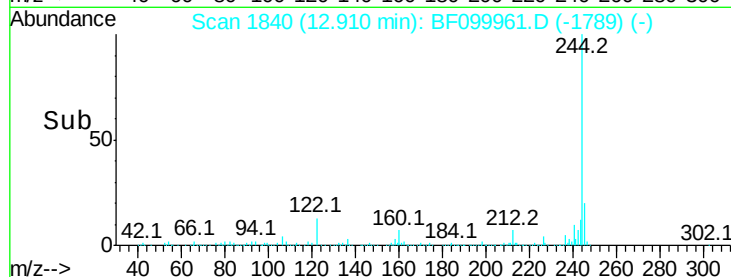
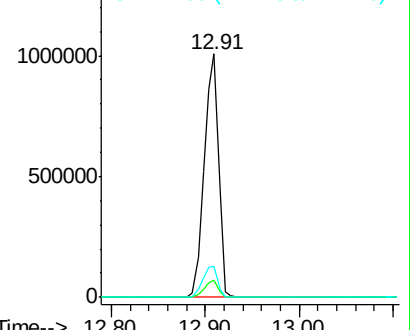
Ion	Ratio	Lower	Upper
244	100		
212	6.8	5.4	8.0
122	12.9	11.0	16.4



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: 15.46 min Scan# 2273

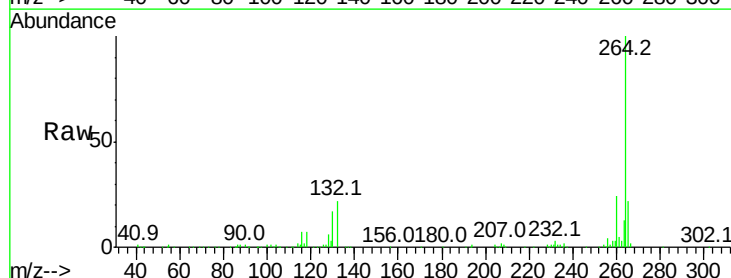
Delta R.T. 0.01 min

Lab File: BF099961.D

Acq: 30 Oct 2017 16:01

Tgt Ion:264 Resp: 179582

Ion	Ratio	Lower	Upper
264	100		
260	24.1	19.2	28.8
265	21.5	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

