

Data Path : Z:\HPCHEM1\BNA F\DATA\BF103017\
 Data File : BF099973.D
 Acq On : 30 Oct 2017 21:12
 Operator : SJ/JU
 Sample : I6171-06
 Misc :
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Oct 31 02:29:51 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF102317.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Oct 27 15:58:57 2017
 Response via : Initial Calibration

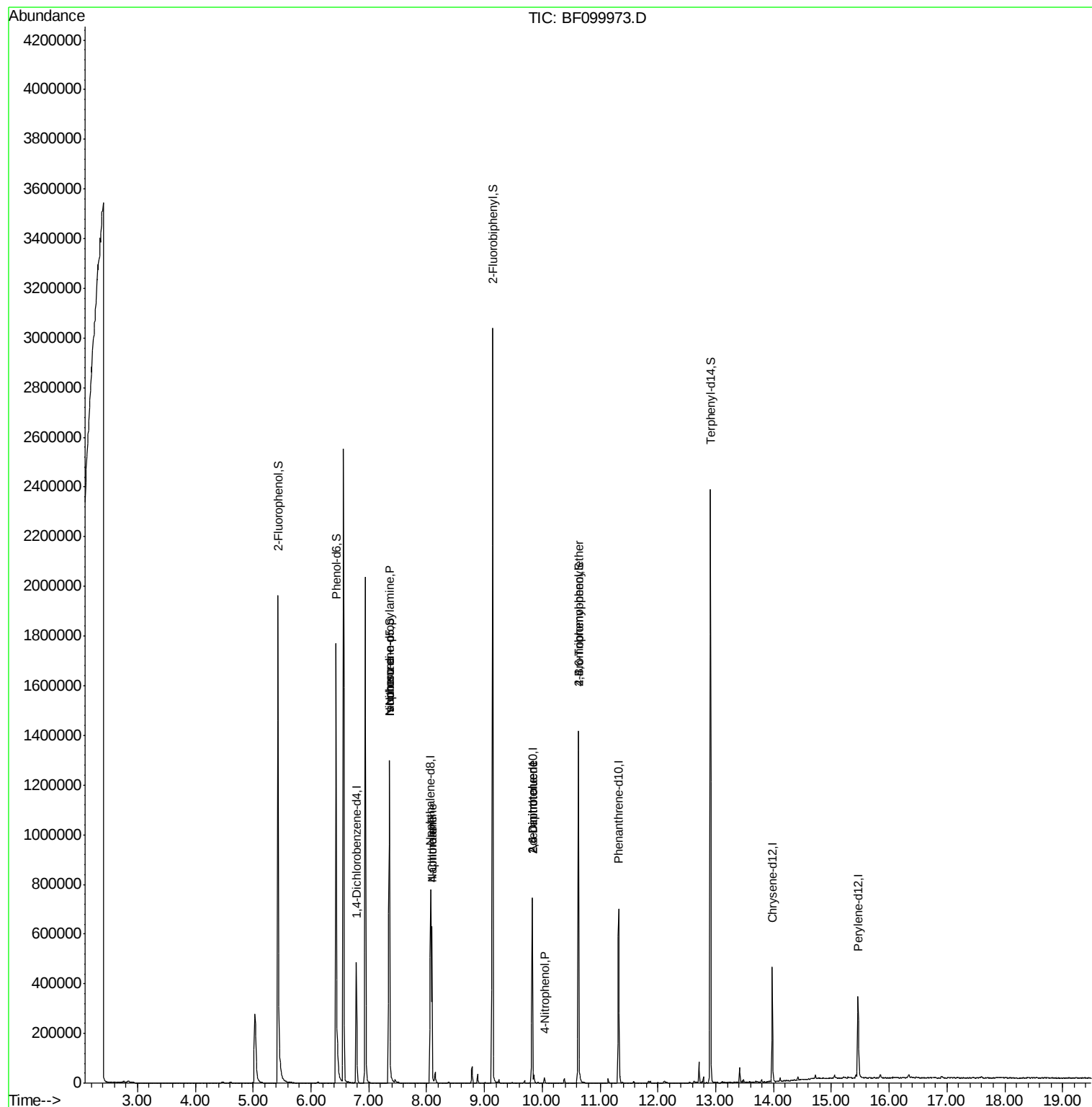
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.79	152	93797	20.00	ng	0.00
21) Naphthalene-d8	8.07	136	380383	20.00	ng	-0.01
38) Acenaphthene-d10	9.82	164	168333	20.00	ng	-0.02
63) Phenanthrene-d10	11.32	188	268344	20.00	ng	-0.01
75) Chrysene-d12	13.98	240	176774	20.00	ng	-0.01
86) Perylene-d12	15.46	264	157444	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.43	112	804731	134.70	ng	0.01
7) Phenol-d6	6.43	99	893882	126.18	ng	0.00
23) Nitrobenzene-d5	7.36	82	579624	98.10	ng	-0.01
41) 2,4,6-Tribromophenol	10.63	330	210253	137.06	ng	-0.01
44) 2-Fluorobiphenyl	9.15	172	1181768	108.31	ng	-0.01
78) Terphenyl-d14	12.91	244	837125	103.49	ng	-0.01
Target Compounds						
19) n-Nitroso-di-n-propylamine	7.36	70	72571	17.481	ng	# 69
25) Isophorone	7.36	82	579614	54.063	ng	# 64
31) Naphthalene	8.09	128	366867	19.980	ng	# 99
33) 4-Chloroaniline	8.09	127	48163	6.352	ng	# 36
50) 2,6-Dinitrotoluene	9.82	165	20474	7.306	ng	# 24
55) 4-Nitrophenol	10.04	139	3719	2.156	ng	# 9
56) 2,4-Dinitrotoluene	9.82	165	20474	6.067	ng	# 21
66) 4-Bromophenyl-phenylether	10.63	248	13736	4.862	ng	# 1

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

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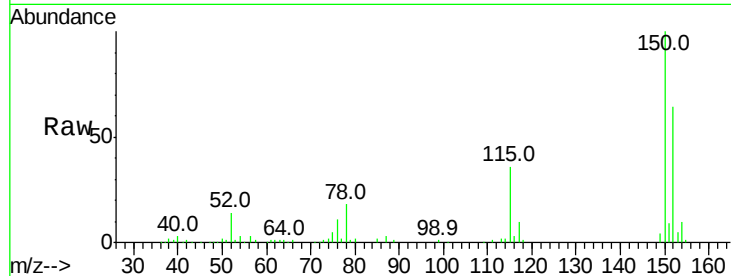


#1

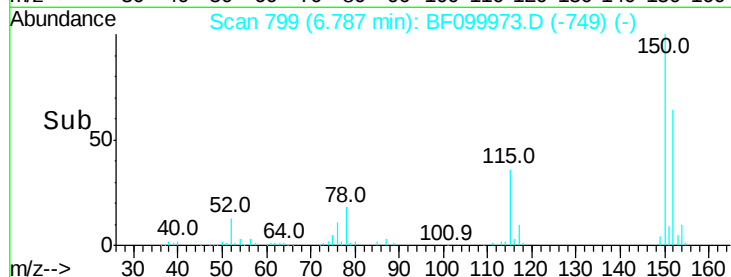
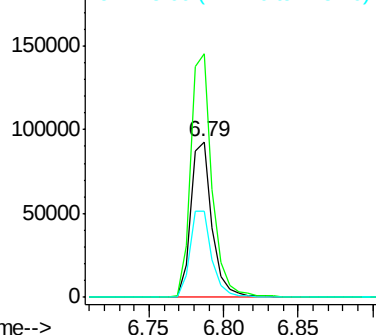
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.79 min Scan# 799
Delta R.T. -0.01 min
Lab File: BF099973.D
Acq: 30 Oct 2017 21:12

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 93797
Ion Ratio Lower Upper
152 100
150 156.6 124.6 186.8
115 55.6 50.1 75.1



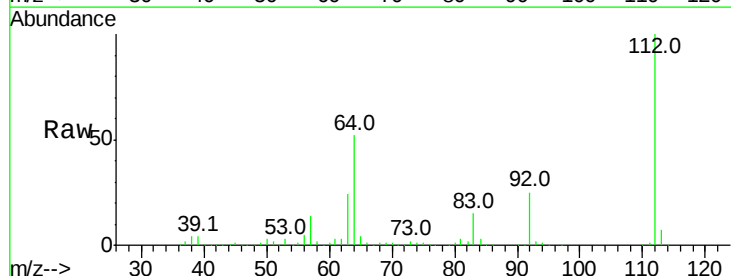
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



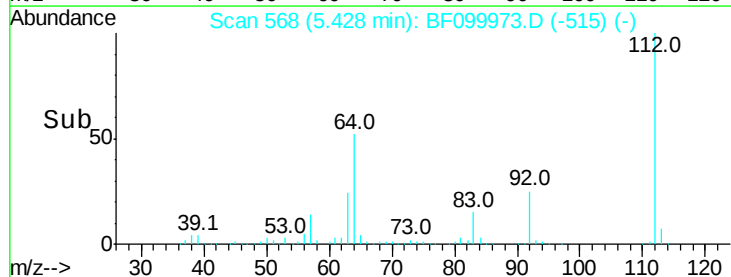
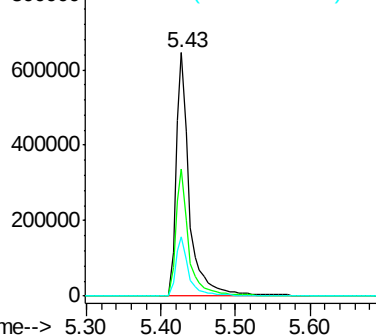
#5

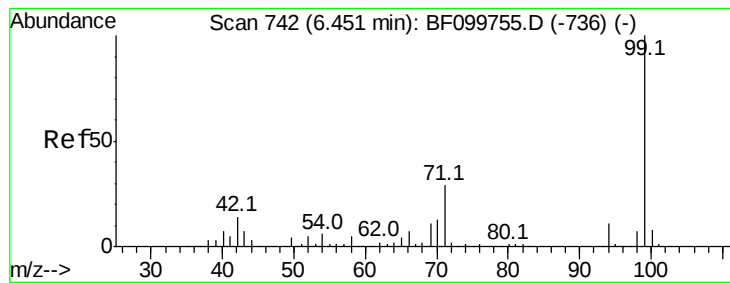
2-Fluorophenol
Concen: 134.695 ng
RT: 5.43 min Scan# 568
Delta R.T. 0.01 min
Lab File: BF099973.D
Acq: 30 Oct 2017 21:12

Tgt Ion:112 Resp: 804731
Ion Ratio Lower Upper
112 100
64 52.0 47.9 71.9
63 24.3 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: 126.183 ng

RT: 6.43 min Scan# 739

Delta R.T. -0.01 min

Lab File: BF099973.D

Acq: 30 Oct 2017 21:12

Instrument :

BNA_F

ClientSampled :

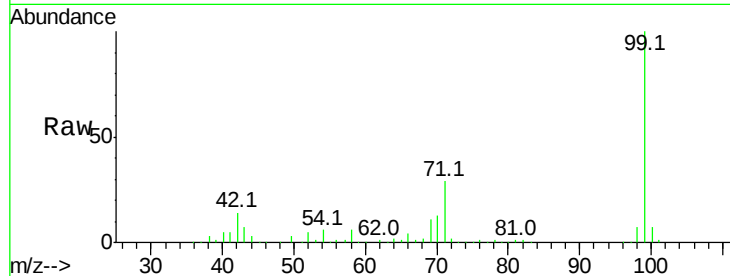
Tot Ion: 99 Resp: 893882

Ion Ratio Lower Upper

99 100

42 13.8 14.5 21.7#

71 29.4 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

6.43

800000

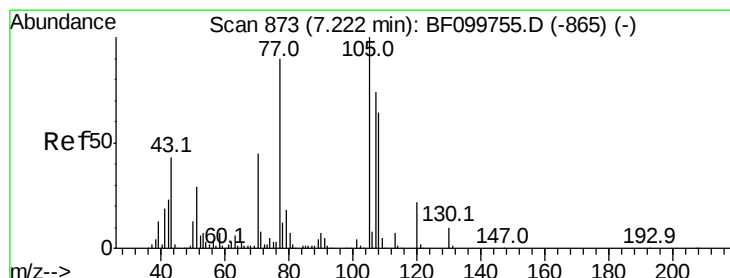
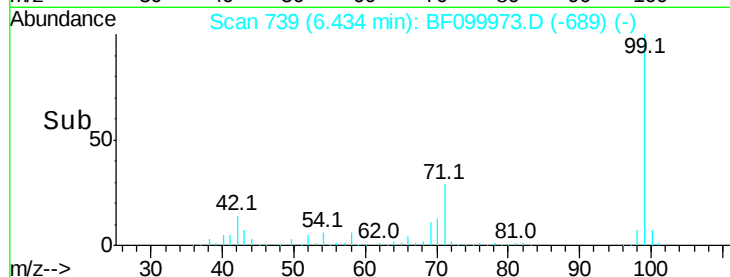
600000

400000

200000

0

Time--> 6.30 6.40 6.50 6.60 6.70



#19

n-Nitroso-di-n-propylamine

Concen: 17.481 ng

RT: 7.36 min Scan# 896

Delta R.T. 0.15 min

Lab File: BF099973.D

Acq: 30 Oct 2017 21:12

Tgt Ion: 70 Resp: 72571

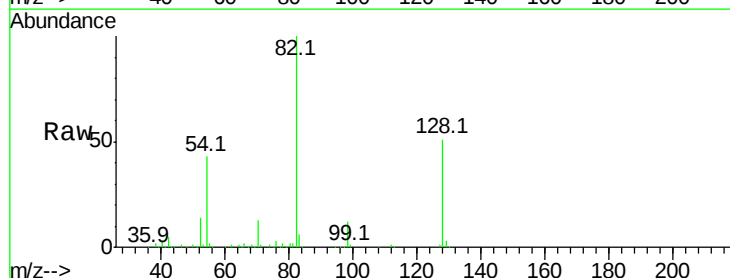
Ion Ratio Lower Upper

70 100

42 37.7 47.5 71.3#

101 0.0 7.4 11.2#

130 2.4 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): BF0
Ion 130.00 (129.70 to 130.70): BF0

80000

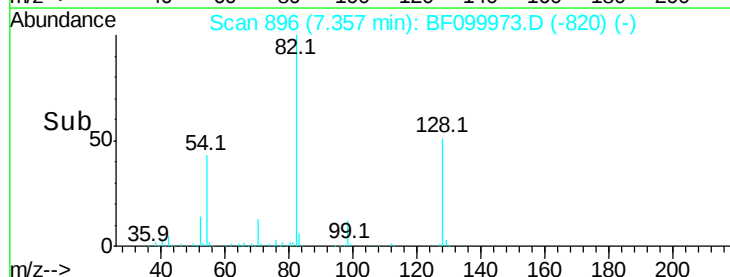
60000

40000

20000

0

Time--> 7.30 7.35 7.40 7.45

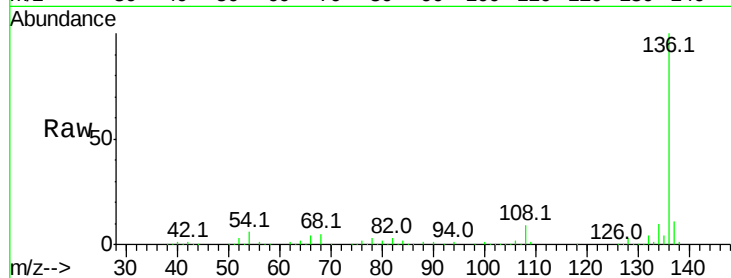




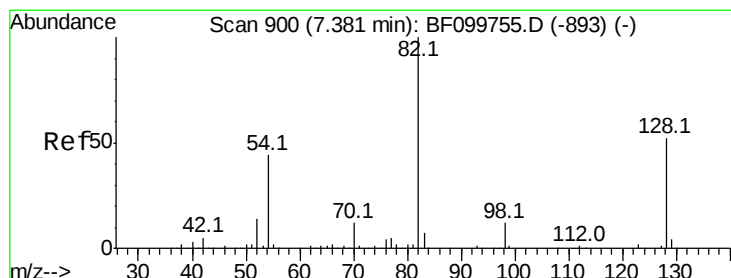
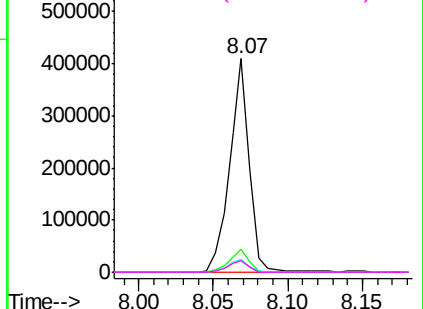
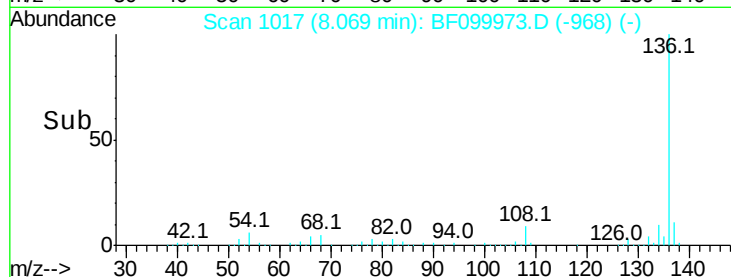
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.07 min Scan# 1017
Delta R.T. -0.01 min
Lab File: BF099973.D
Acq: 30 Oct 2017 21:12

Instrument :
BNA_F
ClientSampleId :

Tot Ion:	136	Resp:	380383
Ion	Ratio	Lower	Upper
136	100		
137	10.8	8.9	13.3
54	6.1	6.6	9.8#
68	5.3	5.0	7.4

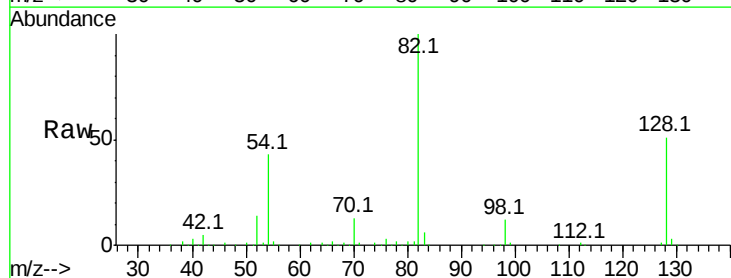


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF0
Ion 68.00 (67.70 to 68.70): BF0

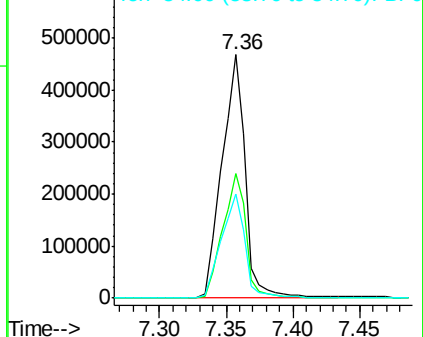
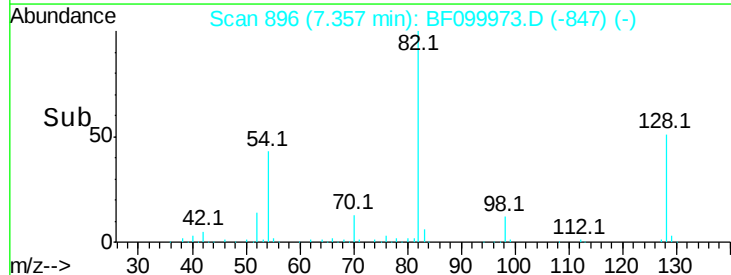


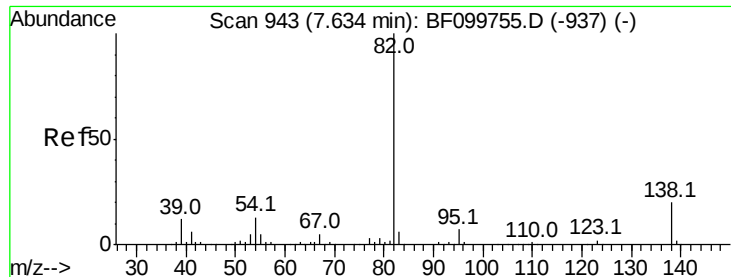
#23
Nitrobenzene-d5
Concen: 98.102 ng
RT: 7.36 min Scan# 896
Delta R.T. -0.01 min
Lab File: BF099973.D
Acq: 30 Oct 2017 21:12

Tgt Ion:	82	Resp:	579624
Ion	Ratio	Lower	Upper
82	100		
128	51.0	36.1	54.1
54	42.8	41.4	62.2



Abundance Ion 82.00 (81.70 to 82.70): BF0
Ion 128.00 (127.70 to 128.70): E
Ion 54.00 (53.70 to 54.70): BF0





#25

Isophorone

Concen: 54.063 ng

RT: 7.36 min Scan# 896

Delta R.T. -0.26 min

Lab File: BF099973.D

Acq: 30 Oct 2017 21:12

Instrument :

BNA_F

ClientSampleId :

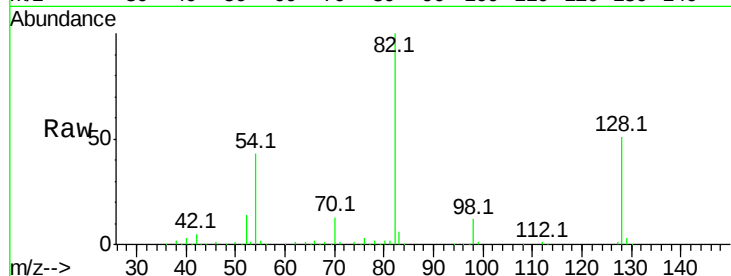
Tot Ion: 82 Resp: 579614

Ion Ratio Lower Upper

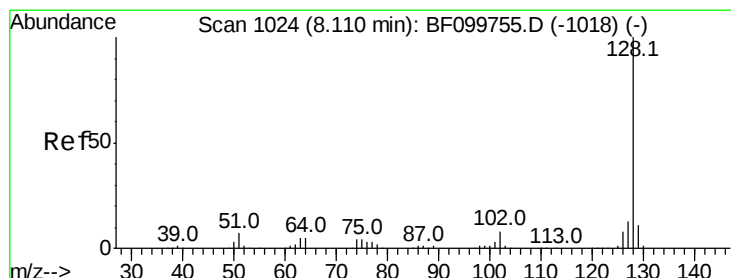
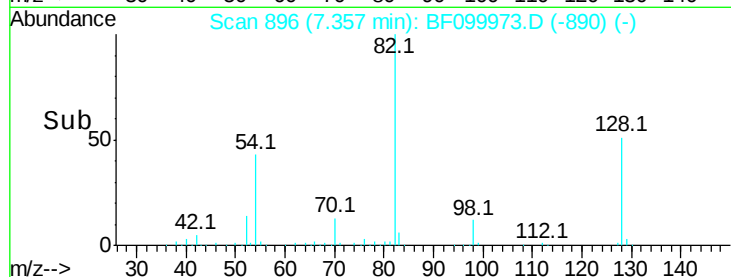
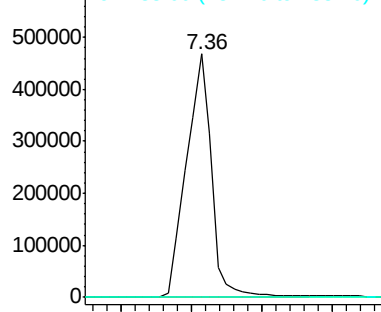
82 100

95 0.0 5.2 7.8#

138 0.0 14.9 22.3#



Abundance Ion 82.00 (81.70 to 82.70): BF0
Ion 95.00 (94.70 to 95.70): BF0
Ion 138.00 (137.70 to 138.70): BF0



#31

Naphthalene

Concen: 19.980 ng

RT: 8.09 min Scan# 1021

Delta R.T. -0.01 min

Lab File: BF099973.D

Acq: 30 Oct 2017 21:12

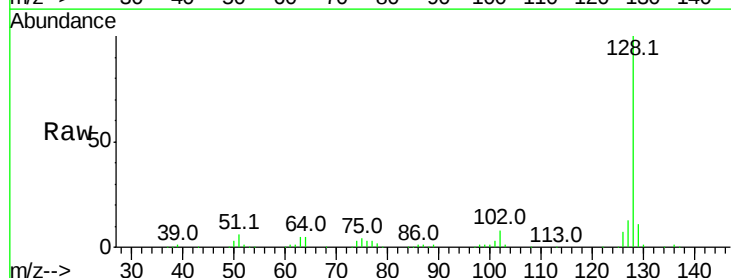
Tgt Ion:128 Resp: 366867

Ion Ratio Lower Upper

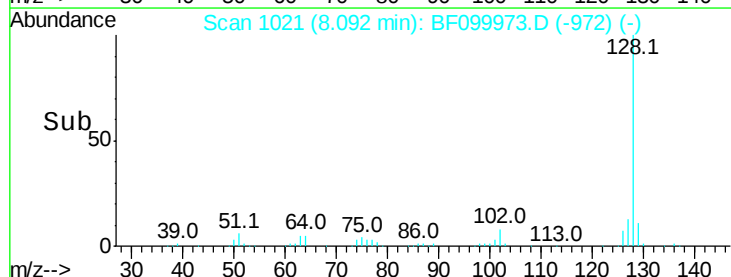
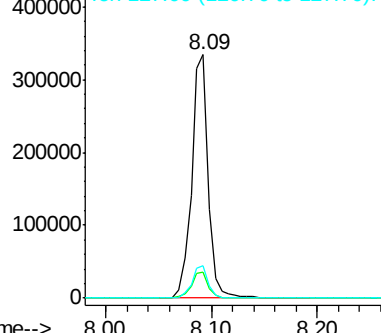
128 100

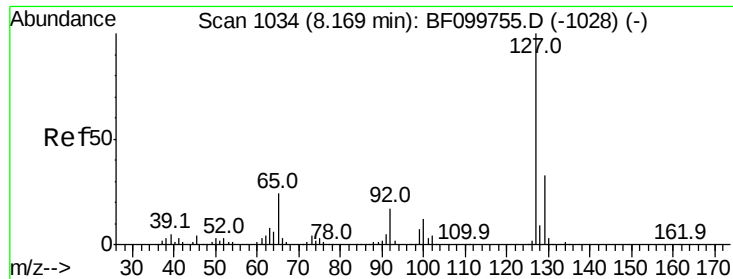
129 10.7 8.8 13.2

127 13.5 10.9 16.3



Abundance Ion 128.00 (127.70 to 128.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 127.00 (126.70 to 127.70): E

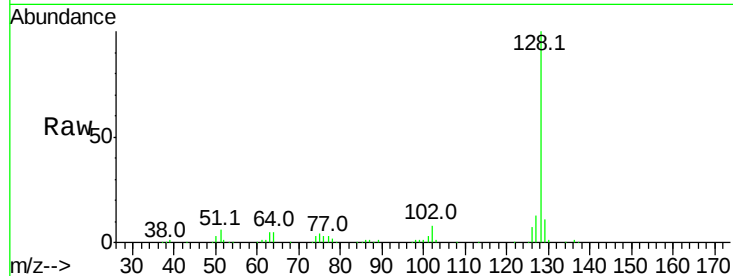




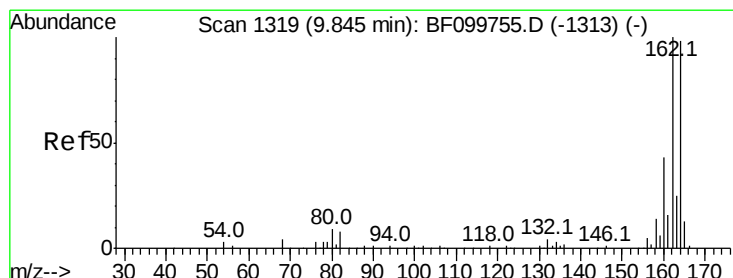
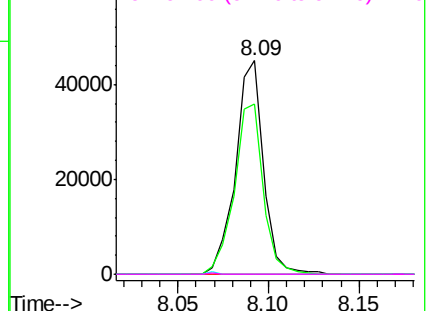
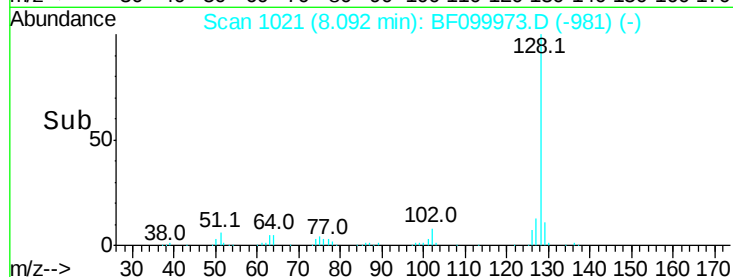
#33
4-Chloroaniline
Concen: 6.352 ng
RT: 8.09 min Scan# 1021
Delta R.T. -0.06 min
Lab File: BF099973.D
Acq: 30 Oct 2017 21:12

Instrument :
BNA_F
ClientSampleId :

Tot Ion:	127	Resp:	48163
Ion	Ratio	Lower	Upper
127	100		
129	79.6	25.9	38.9#
65	0.0	25.0	37.4#
92	0.0	15.2	22.8#

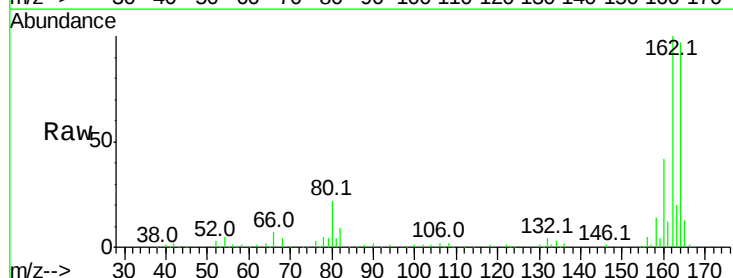


Abundance Ion 127.00 (126.70 to 127.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 65.00 (64.70 to 65.70): BF0
Ion 92.00 (91.70 to 92.70): BF0

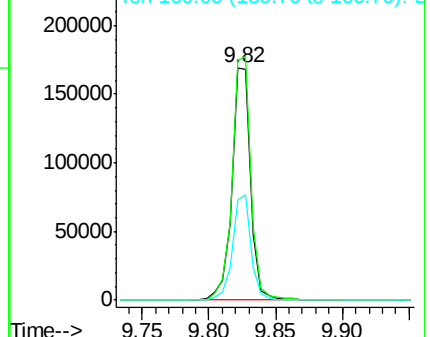
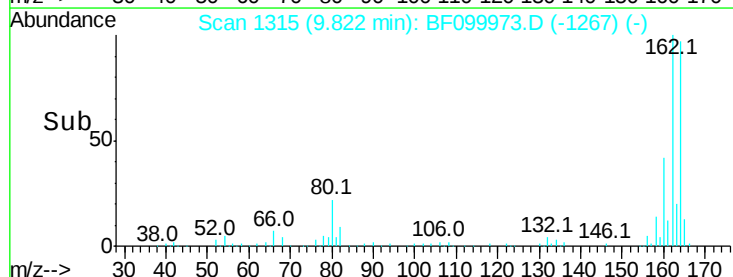


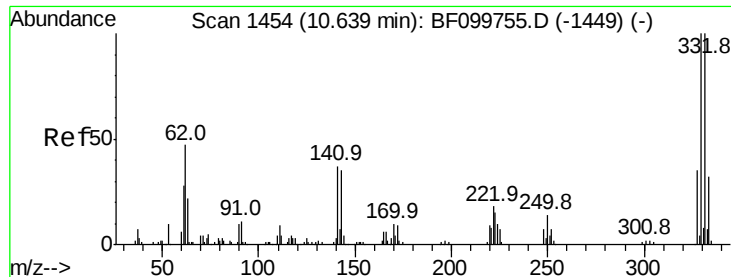
#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.82 min Scan# 1315
Delta R.T. -0.02 min
Lab File: BF099973.D
Acq: 30 Oct 2017 21:12

Tgt Ion:	164	Resp:	168333
Ion	Ratio	Lower	Upper
164	100		
162	103.5	86.1	129.1
160	43.3	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

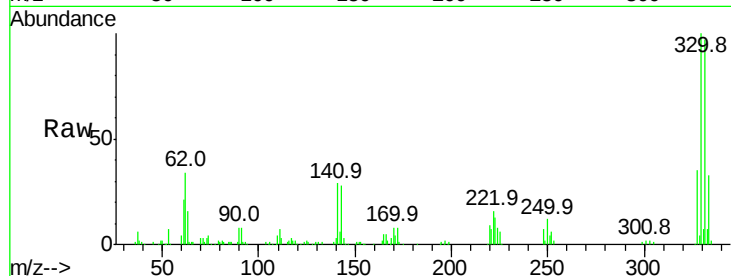




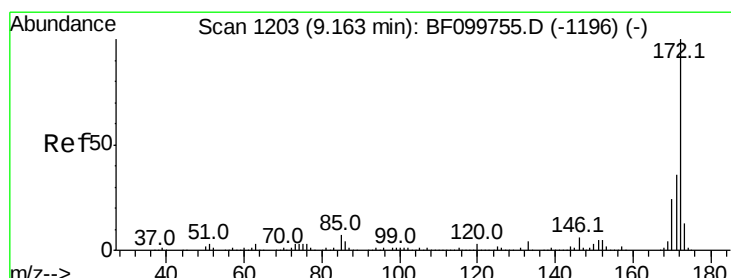
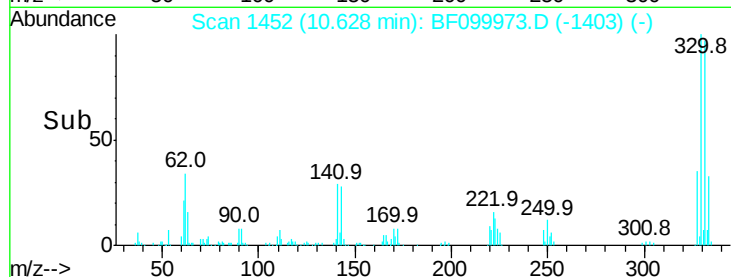
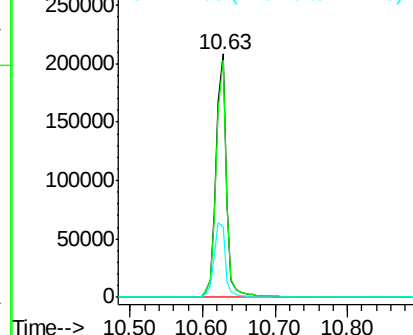
#41
 2,4,6-Tribromophenol
 Concen: 137.058 ng
 RT: 10.63 min Scan# 1452
 Delta R.T. -0.01 min
 Lab File: BF099973.D
 Acq: 30 Oct 2017 21:12

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
330	100		
332	96.8	77.0	115.6
141	33.6	29.9	44.9

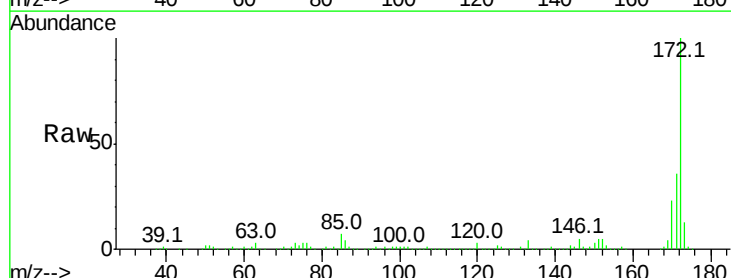


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

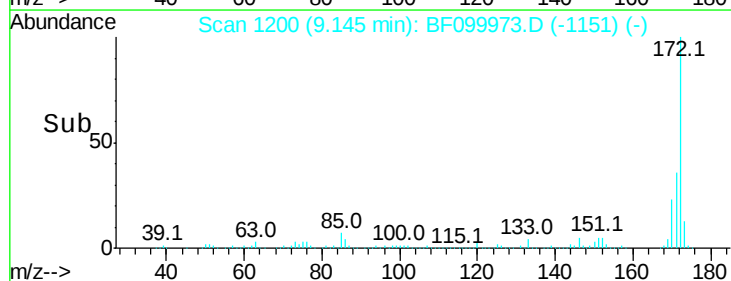
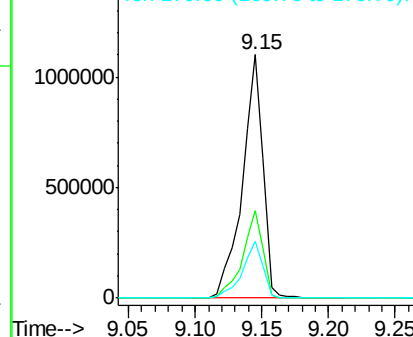


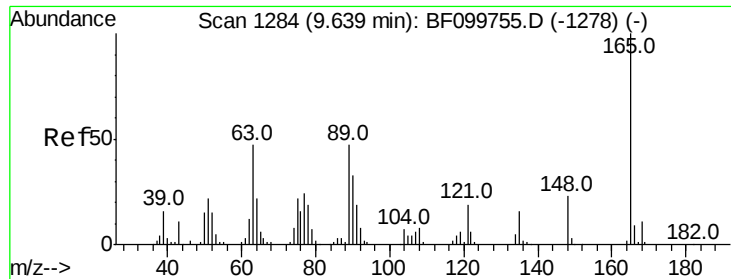
#44
 2-Fluorobiphenyl
 Concen: 108.314 ng
 RT: 9.15 min Scan# 1200
 Delta R.T. -0.01 min
 Lab File: BF099973.D
 Acq: 30 Oct 2017 21:12

Tgt Ion	Ratio	Lower	Upper
172	100		
171	35.7	29.7	44.5
170	23.5	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

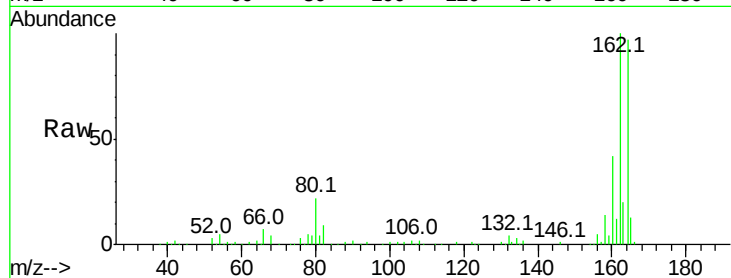




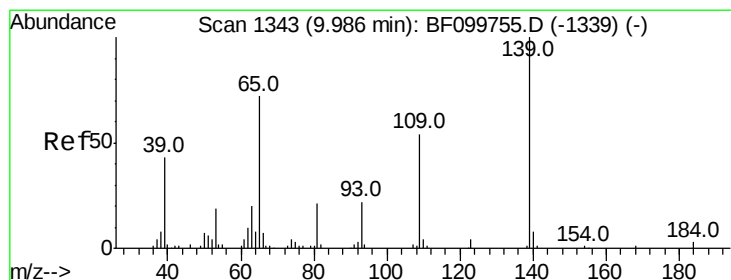
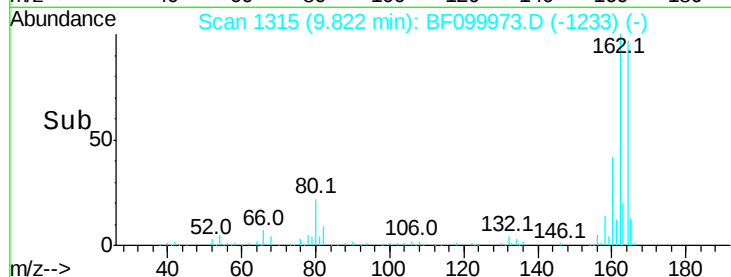
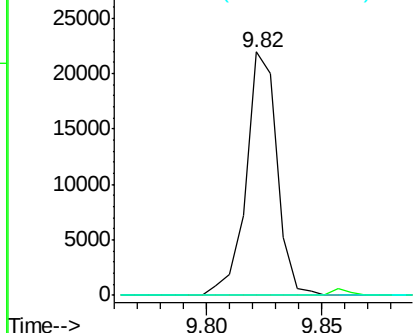
#50
 2,6-Dinitrotoluene
 Concen: 7.306 ng
 RT: 9.82 min Scan# 1315
 Delta R.T. 0.18 min
 Lab File: BF099973.D
 Acq: 30 Oct 2017 21:12

Instrument :
 BNA_F
 ClientSampled :

Tot Ion:165 Resp: 20474
 Ion Ratio Lower Upper
 165 100
 63 0.0 44.7 67.1#
 89 0.0 44.0 66.0#

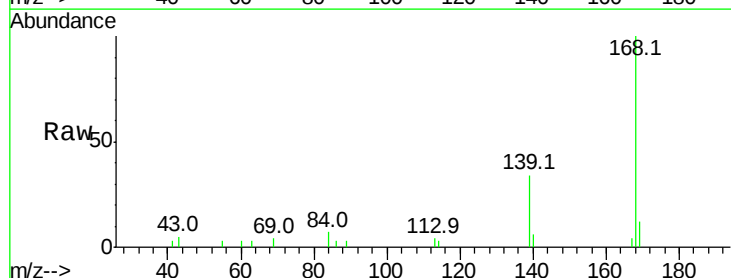


Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BF0
 Ion 89.00 (88.70 to 89.70): BF0

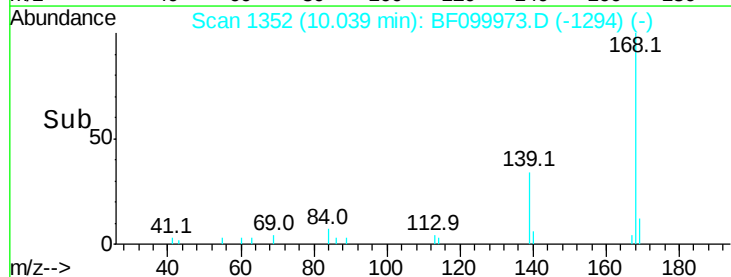
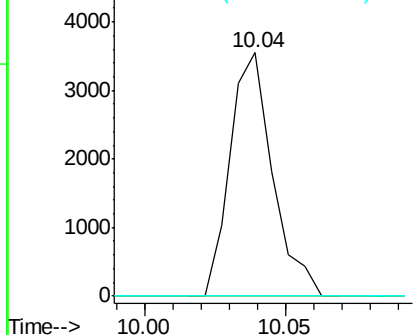


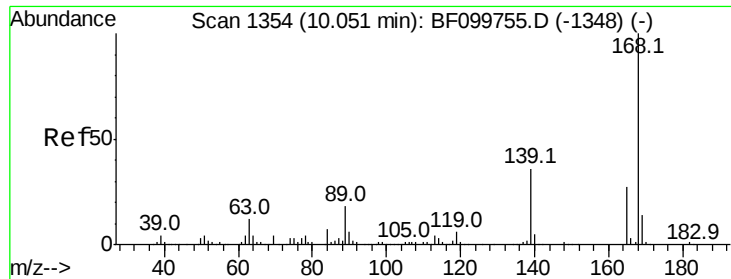
#55
 4-Nitrophenol
 Concen: 2.156 ng
 RT: 10.04 min Scan# 1352
 Delta R.T. 0.04 min
 Lab File: BF099973.D
 Acq: 30 Oct 2017 21:12

Tgt Ion:139 Resp: 3719
 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): BF0

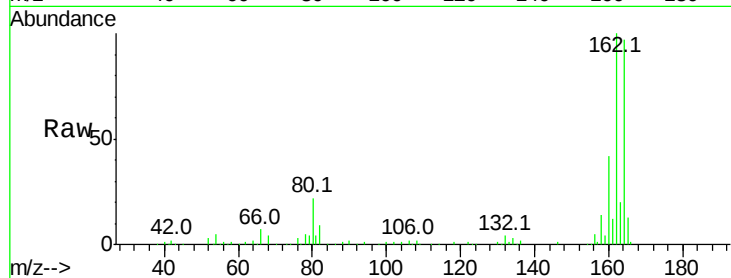




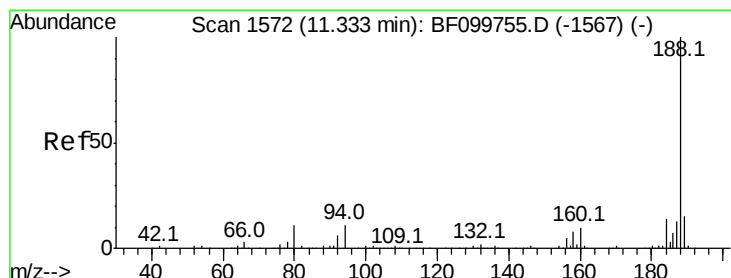
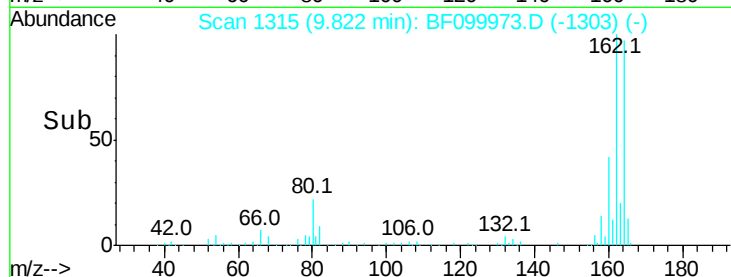
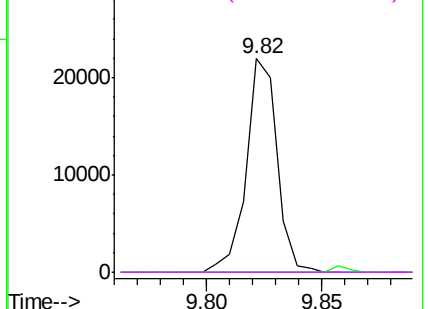
#56
 2,4-Dinitrotoluene
 Concen: 6.067 ng
 RT: 9.82 min Scan# 1315
 Delta R.T. -0.23 min
 Lab File: BF099973.D
 Acq: 30 Oct 2017 21:12

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:165 Resp: 20474
 Ion Ratio Lower Upper
 165 100
 63 0.0 36.4 54.6#
 89 0.0 57.8 86.6#
 182 0.0 1.6 2.4#

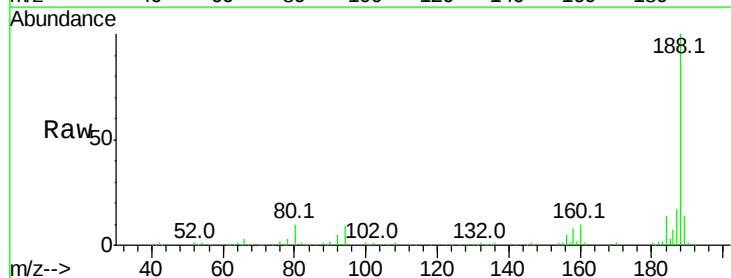


Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BF0
 Ion 89.00 (88.70 to 89.70): BF0
 Ion 182.00 (181.70 to 182.70): E

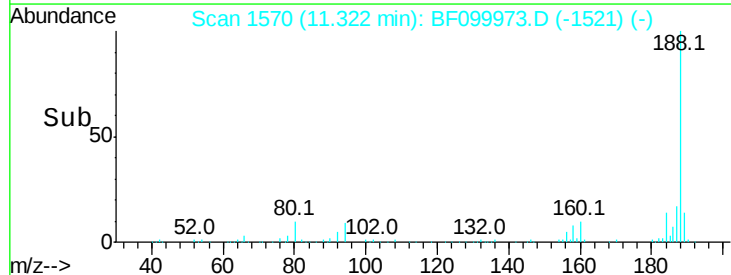
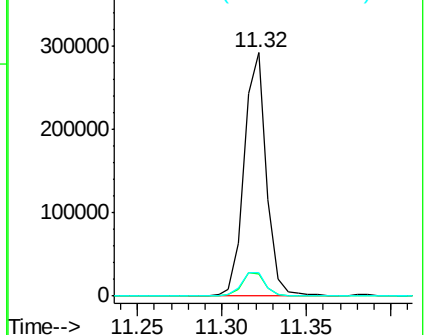


#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.32 min Scan# 1570
 Delta R.T. -0.01 min
 Lab File: BF099973.D
 Acq: 30 Oct 2017 21:12

Tgt Ion:188 Resp: 268344
 Ion Ratio Lower Upper
 188 100
 94 9.1 8.5 12.7
 80 9.9 9.2 13.8



Abundance Ion 188.00 (187.70 to 188.70): E
 Ion 94.00 (93.70 to 94.70): BF0
 Ion 80.00 (79.70 to 80.70): BF0

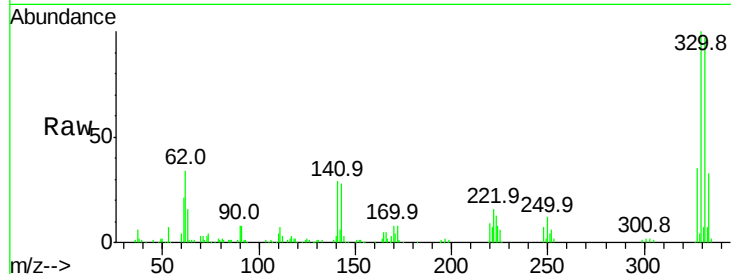




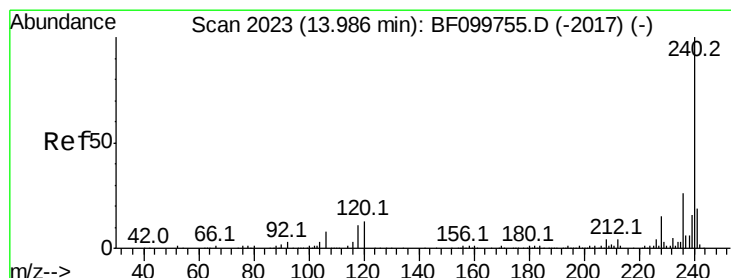
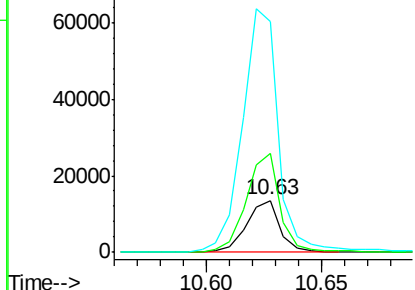
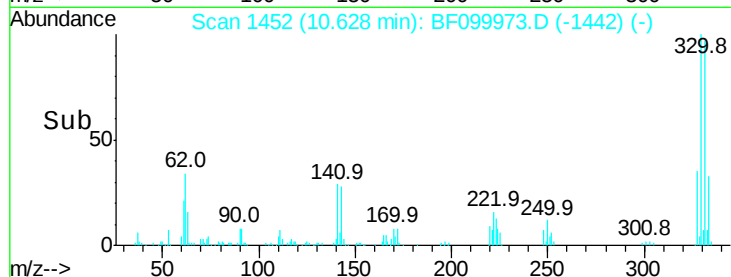
#66
 4-Bromophenyl-phenylether
 Concen: 4.862 ng
 RT: 10.63 min Scan# 1452
 Delta R.T. -0.24 min
 Lab File: BF099973.D
 Acq: 30 Oct 2017 21:12

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:248 Resp: 13736
 Ion Ratio Lower Upper
 248 100
 250 190.7 76.9 115.3#
 141 444.2 74.4 111.6#

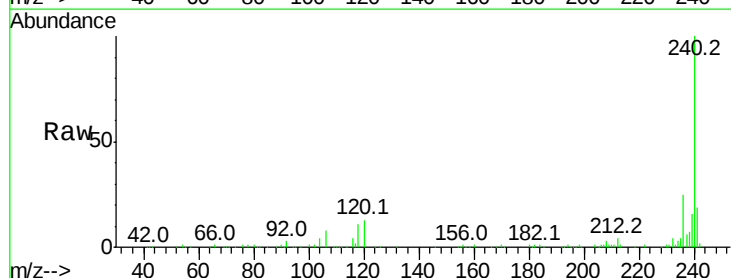


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

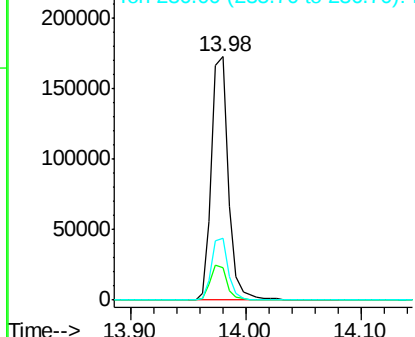
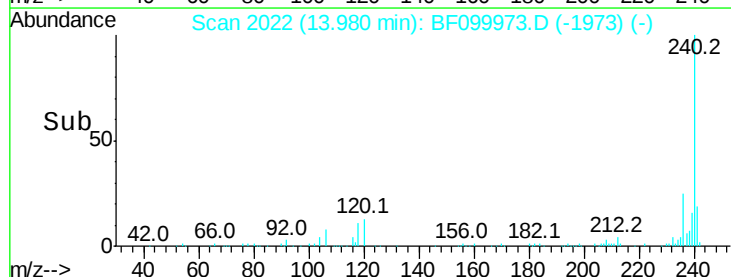


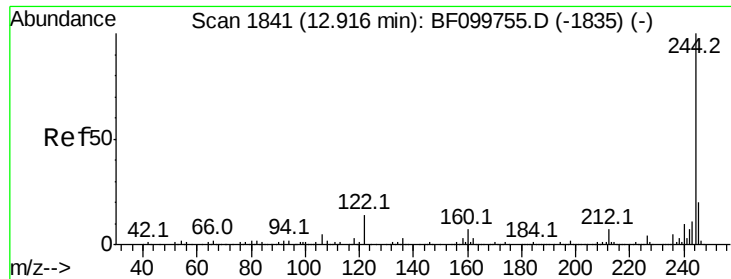
#75
 Chrysene-d12
 Concen: 20.000 ng
 RT: 13.98 min Scan# 2022
 Delta R.T. -0.01 min
 Lab File: BF099973.D
 Acq: 30 Oct 2017 21:12

Tgt Ion:240 Resp: 176774
 Ion Ratio Lower Upper
 240 100
 120 13.2 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

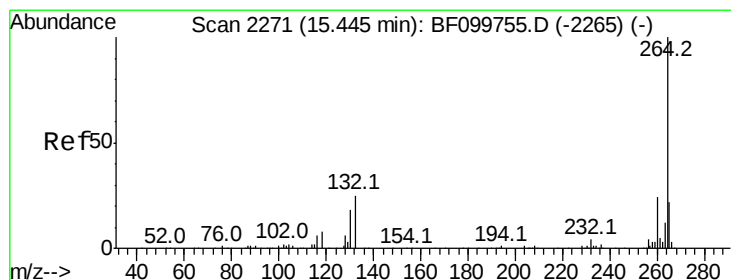
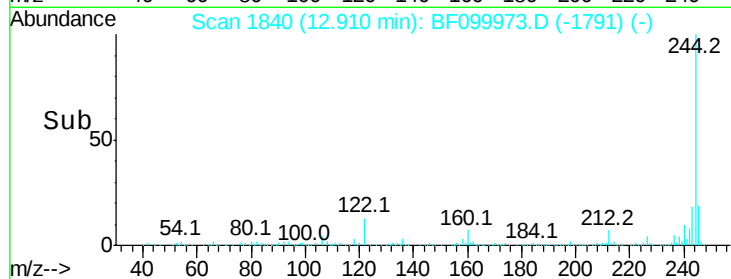
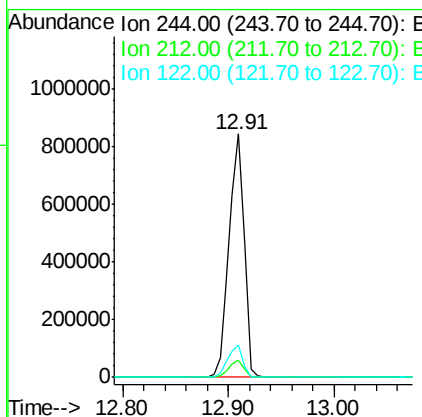
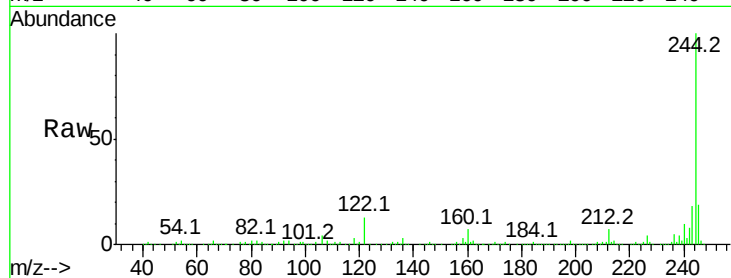




#78
 Terphenyl-d14
 Concen: 103.490 ng
 RT: 12.91 min Scan# 1840
 Delta R.T. -0.01 min
 Lab File: BF099973.D
 Acq: 30 Oct 2017 21:12

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:244 Resp: 837125
 Ion Ratio Lower Upper
 244 100
 212 6.9 5.4 8.0
 122 13.2 11.0 16.4



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.46 min Scan# 2274
 Delta R.T. 0.01 min
 Lab File: BF099973.D
 Acq: 30 Oct 2017 21:12

Tgt Ion:264 Resp: 157444
 Ion Ratio Lower Upper
 264 100
 260 24.9 19.2 28.8
 265 21.5 17.5 26.3

