

Data Path : Z:\HPCHEM1\BNA F\DATA\BF100317\
 Data File : BF099025.D
 Acq On : 3 Oct 2017 12:21
 Operator : SJ/JU
 Sample : PB102810BL
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Oct 03 17:27:17 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF092317.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Oct 03 17:12:12 2017
 Response via : Initial Calibration

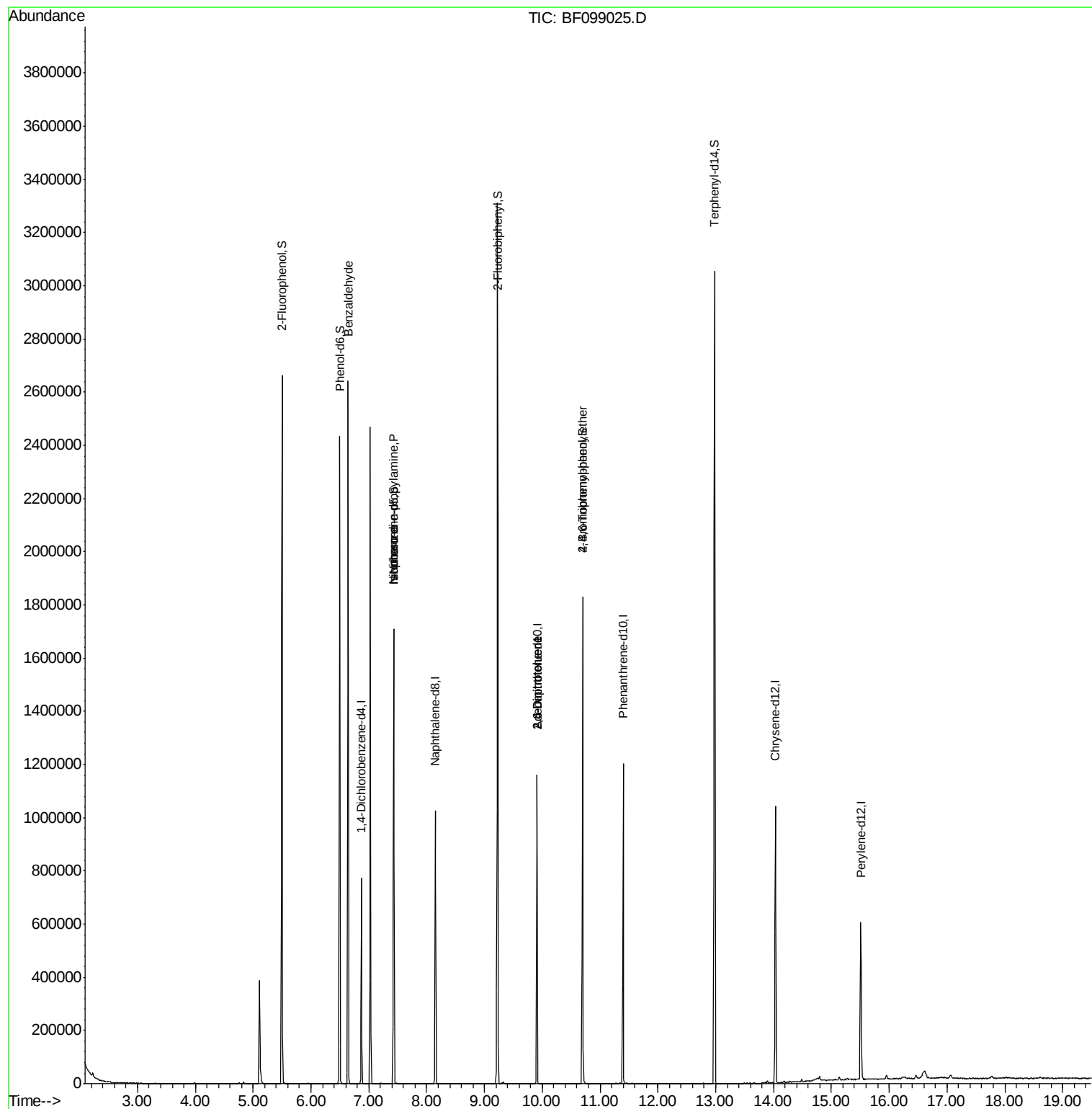
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.87	152	114801	20.00	ng	0.00
21) Naphthalene-d8	8.15	136	487188	20.00	ng	0.00
38) Acenaphthene-d10	9.91	164	223993	20.00	ng	0.00
63) Phenanthrene-d10	11.40	188	415274	20.00	ng	0.00
75) Chrysene-d12	14.03	240	315011	20.00	ng	0.00
86) Perylene-d12	15.51	264	249864	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.50	112	824680	114.36	ng	0.01
7) Phenol-d6	6.50	99	991199	111.42	ng	0.00
23) Nitrobenzene-d5	7.43	82	600599	79.06	ng	0.00
41) 2,4,6-Tribromophenol	10.70	330	210217	114.69	ng	0.00
44) 2-Fluorobiphenyl	9.23	172	1125019	83.85	ng	0.00
78) Terphenyl-d14	12.98	244	1039508	75.05	ng	0.00
Target Compounds						
9) Benzaldehyde	6.64	77	16913	3.277	ng	84
19) n-Nitroso-di-n-propylamine	7.43	70	76896	13.538	ng	# 76
25) Isophorone	7.43	82	600574	38.237	ng	# 64
50) 2,6-Dinitrotoluene	9.91	165	28610	7.773	ng	# 25
56) 2,4-Dinitrotoluene	9.91	165	28610	5.990	ng	# 23
66) 4-Bromophenyl-phenylether	10.70	248	14410	3.545	ng	# 1

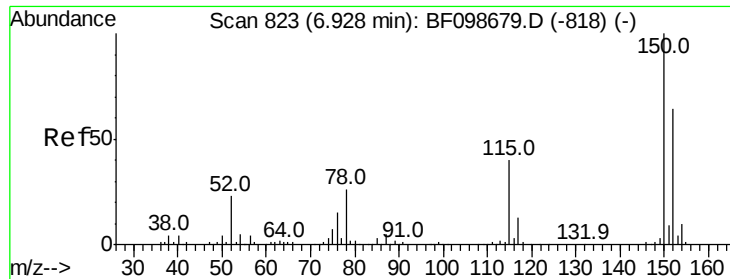
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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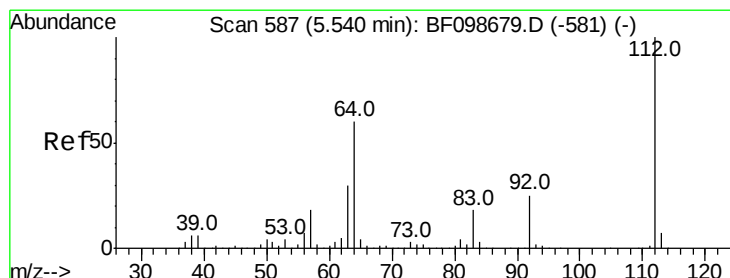
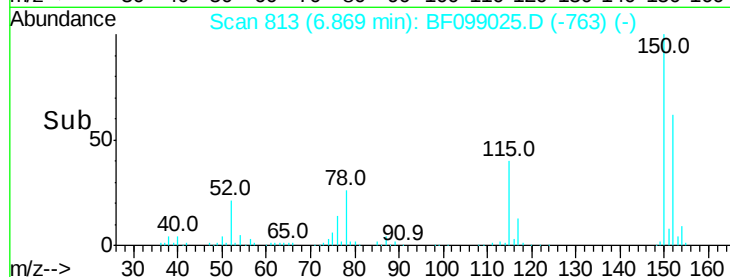
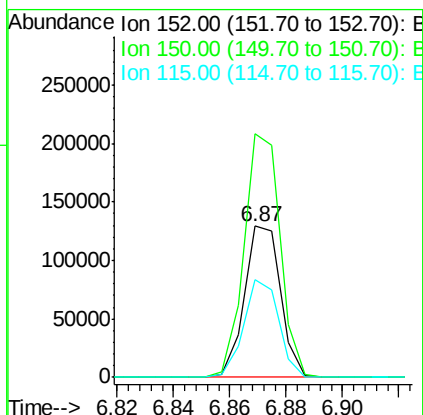
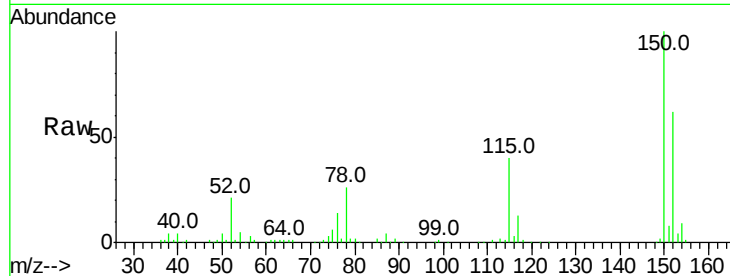


#1

1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.87 min Scan# 813
 Delta R.T. -0.01 min
 Lab File: BF099025.D
 Acq: 3 Oct 2017 12:21

Instrument :
 BNA_F
 ClientSampled :

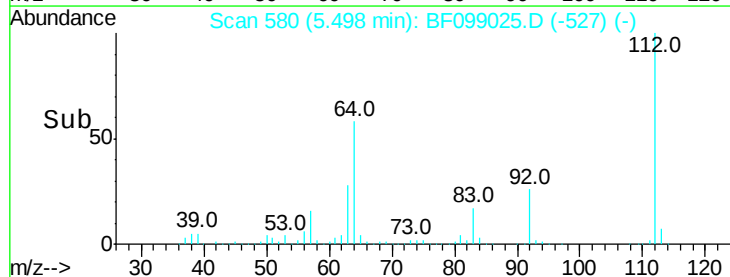
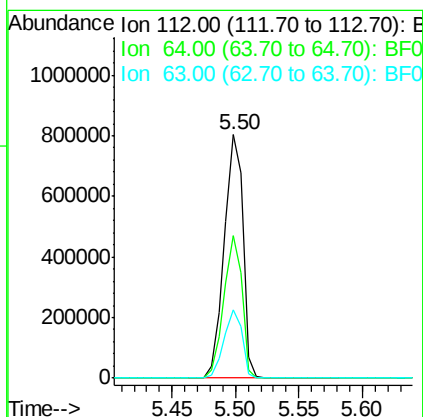
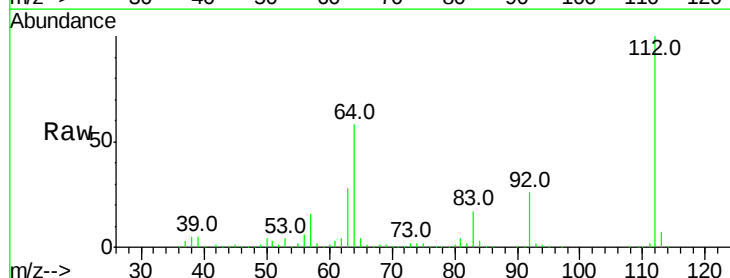
Tot Ion:152 Resp: 114801
 Ion Ratio Lower Upper
 152 100
 150 161.1 124.6 186.8
 115 64.8 50.1 75.1



#5

2-Fluorophenol
 Concen: 114.355 ng
 RT: 5.50 min Scan# 580
 Delta R.T. 0.01 min
 Lab File: BF099025.D
 Acq: 3 Oct 2017 12:21

Tgt Ion:112 Resp: 824680
 Ion Ratio Lower Upper
 112 100
 64 58.5 47.9 71.9
 63 27.9 23.7 35.5





#7

Phenol-d6

Concen: 111.417 ng

RT: 6.50 min Scan# 750

Delta R.T. -0.01 min

Lab File: BF099025.D

Acq: 3 Oct 2017 12:21

Instrument :

BNA_F

ClientSampleId :

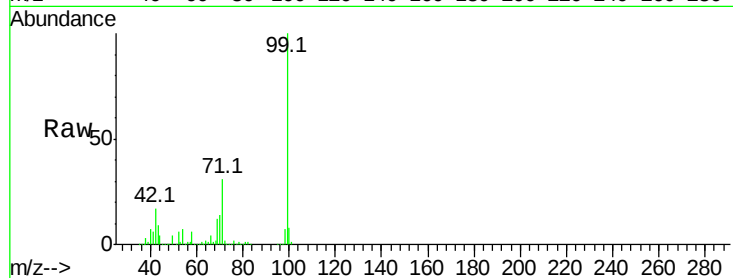
Tot Ion: 99 Resp: 991199

Ion Ratio Lower Upper

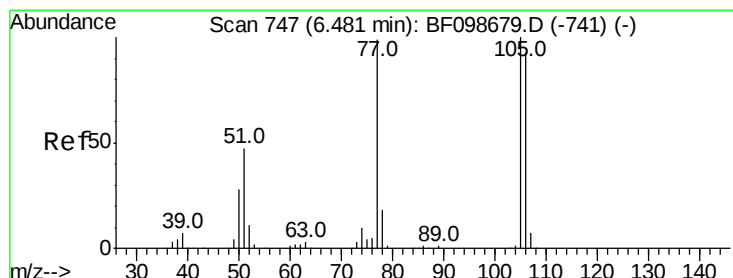
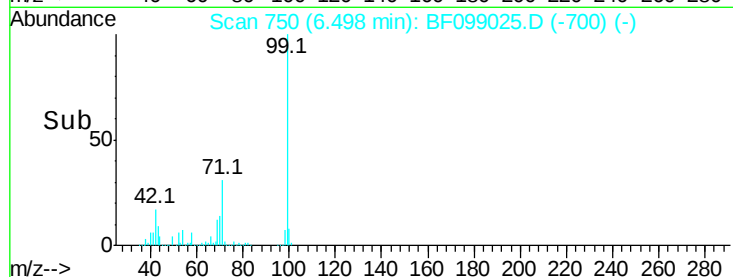
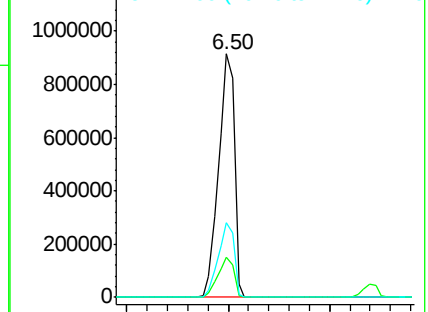
99 100

42 16.6 14.5 21.7

71 30.8 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



#9

Benzaldehyde

Concen: 3.277 ng

RT: 6.64 min Scan# 774

Delta R.T. 0.21 min

Lab File: BF099025.D

Acq: 3 Oct 2017 12:21

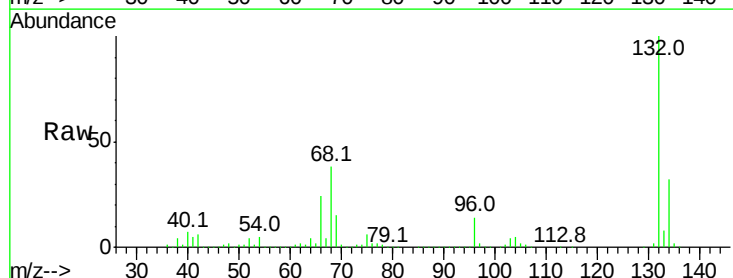
Tgt Ion: 77 Resp: 16913

Ion Ratio Lower Upper

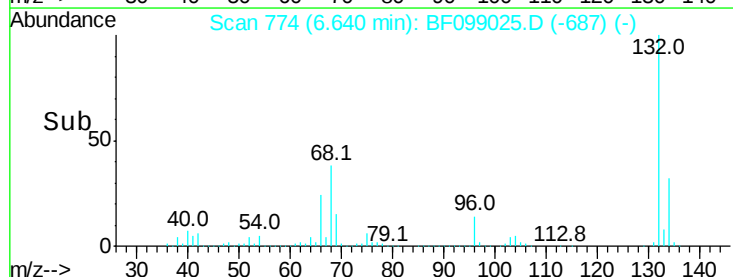
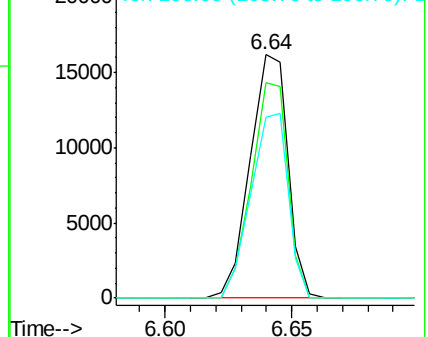
77 100

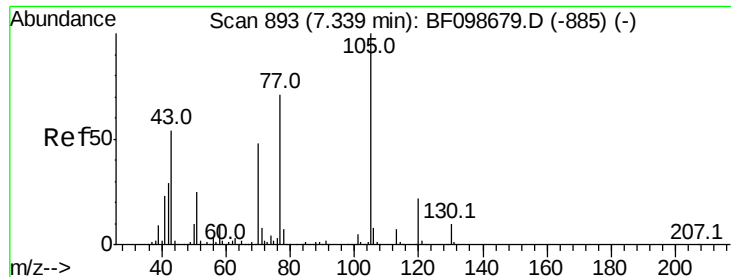
105 88.7 81.1 121.1

106 74.5 74.5 114.5



Abundance Ion 77.00 (76.70 to 77.70): BF0
Ion 105.00 (104.70 to 105.70): B
Ion 106.00 (105.70 to 106.70): B

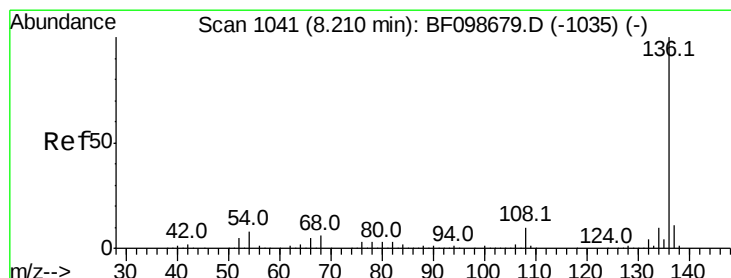
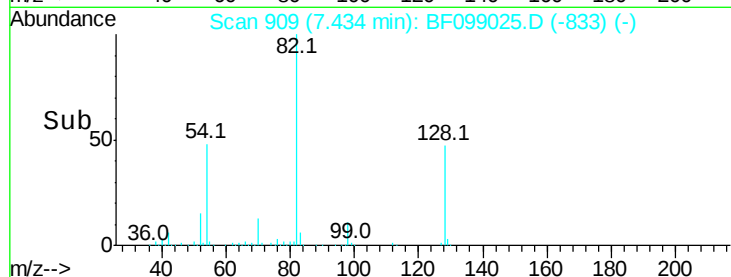
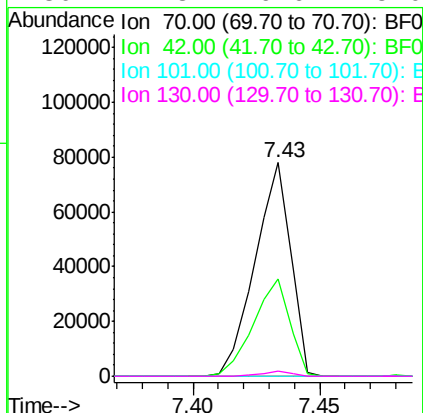
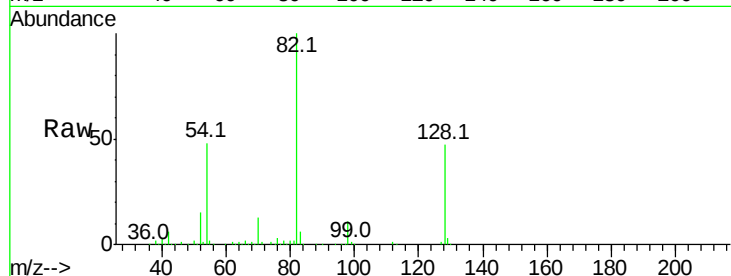




#19
n-Nitroso-di-n-propylamine
Concen: 13.538 ng
RT: 7.43 min Scan# 909
Delta R.T. 0.15 min
Lab File: BF099025.D
Acq: 3 Oct 2017 12:21

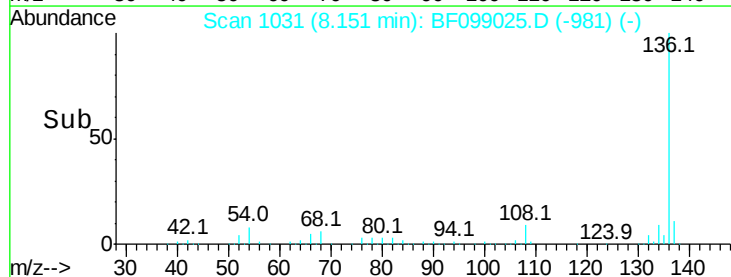
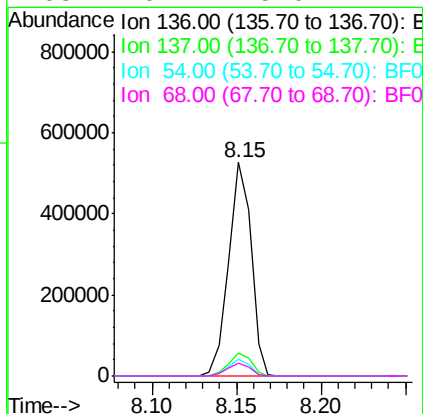
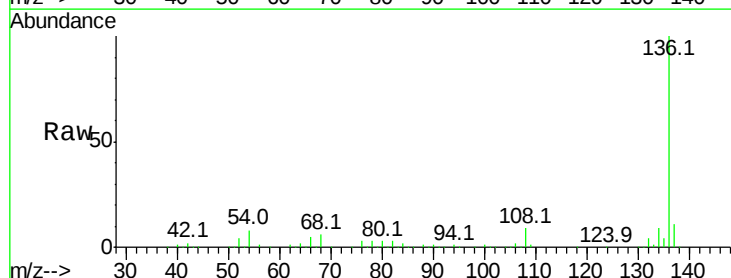
Instrument :
BNA_F
ClientSampleId :

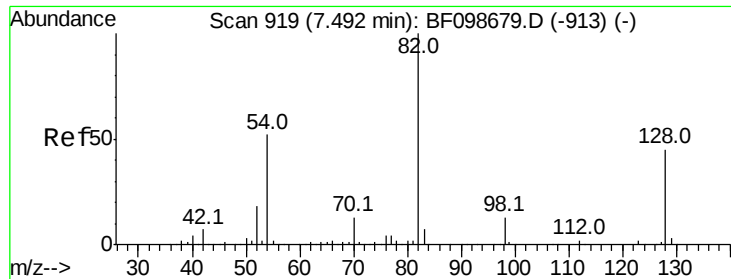
Tot Ion: 70 Resp: 76896
Ion Ratio Lower Upper
70 100
42 45.6 47.5 71.3#
101 0.0 7.4 11.2#
130 2.3 16.6 25.0#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.15 min Scan# 1031
Delta R.T. -0.01 min
Lab File: BF099025.D
Acq: 3 Oct 2017 12:21

Tgt Ion:136 Resp: 487188
Ion Ratio Lower Upper
136 100
137 11.0 8.9 13.3
54 7.9 6.6 9.8
68 6.1 5.0 7.4

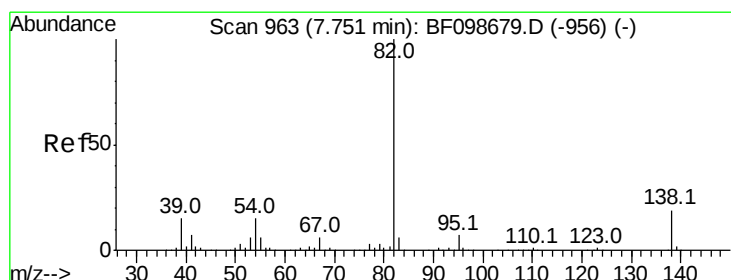
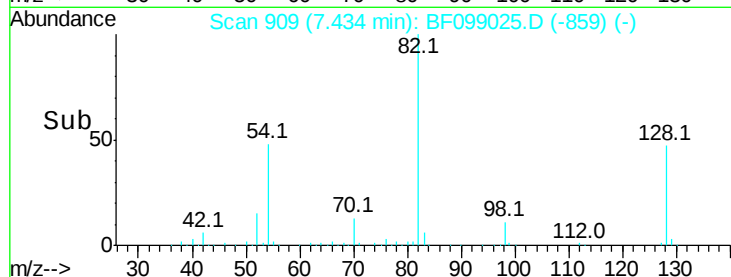
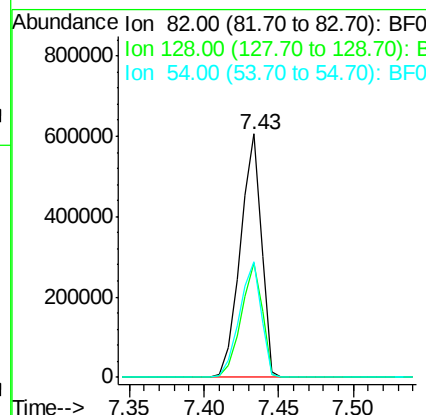
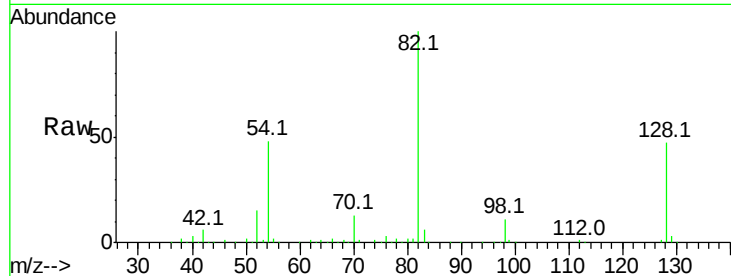




#23
 Nitrobenzene-d5
 Concen: 79.059 ng
 RT: 7.43 min Scan# 909
 Delta R.T. -0.01 min
 Lab File: BF099025.D
 Acq: 3 Oct 2017 12:21

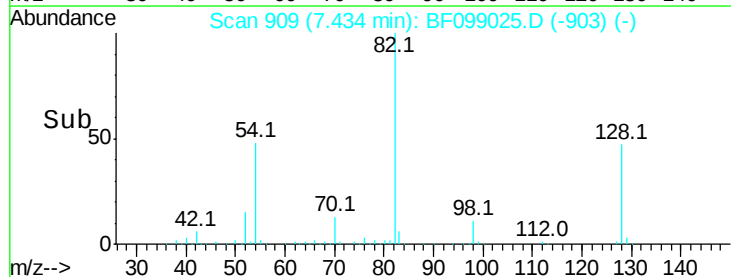
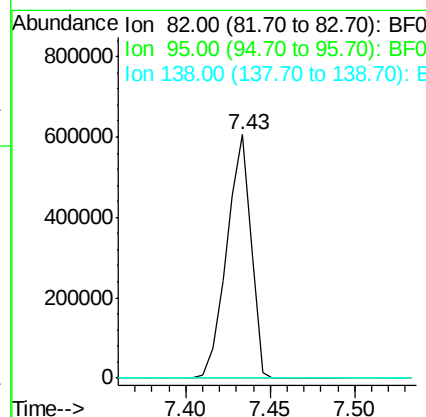
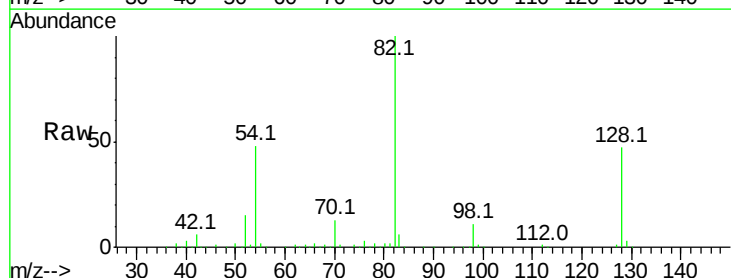
Instrument :
 BNA_F
 ClientSampleId :

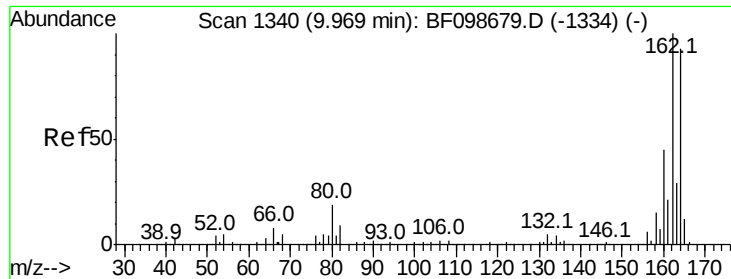
Tot Ion	Ratio	Lower	Upper
82	100		
128	46.8	36.1	54.1
54	47.6	41.4	62.2



#25
 Isophorone
 Concen: 38.237 ng
 RT: 7.43 min Scan# 909
 Delta R.T. -0.26 min
 Lab File: BF099025.D
 Acq: 3 Oct 2017 12:21

Tgt Ion	Ratio	Lower	Upper
82	100		
95	0.0	5.2	7.8#
138	0.0	14.9	22.3#

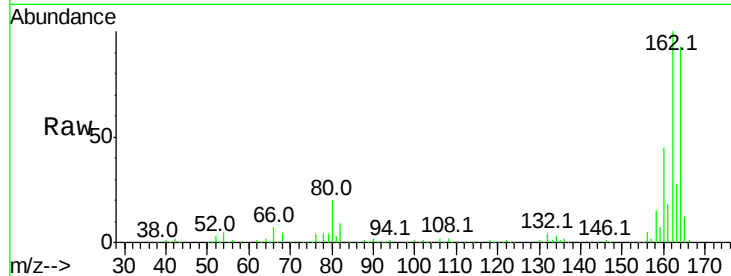




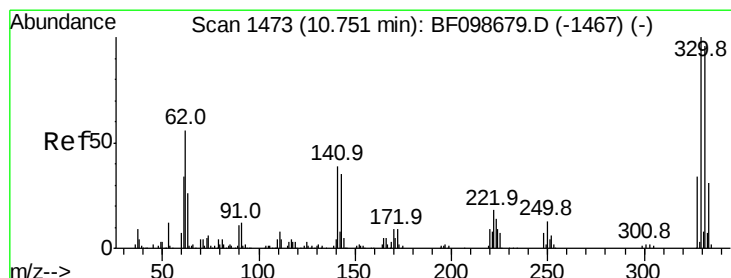
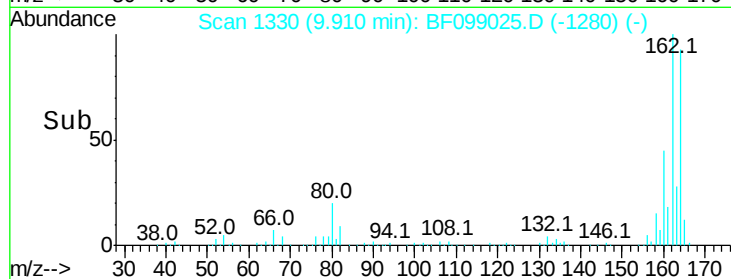
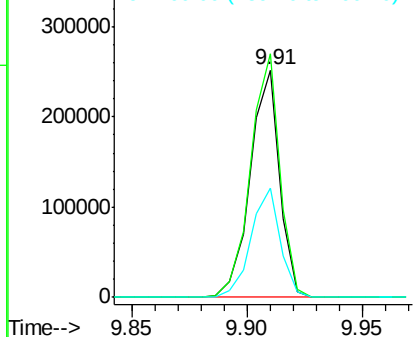
#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.91 min Scan# 1330
 Delta R.T. -0.01 min
 Lab File: BF099025.D
 Acq: 3 Oct 2017 12:21

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:164 Resp: 223993
 Ion Ratio Lower Upper
 164 100
 162 107.0 86.1 129.1
 160 47.8 38.3 57.5

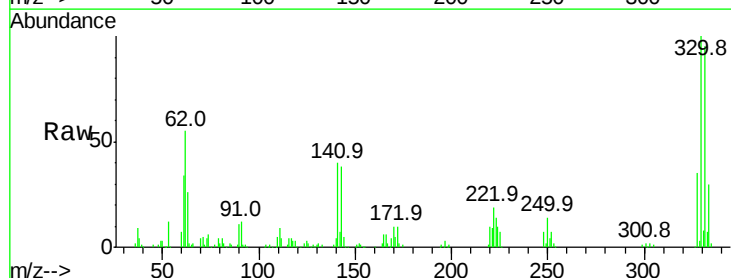


Abundance Ion 164.00 (163.70 to 164.70): E
 Ion 162.00 (161.70 to 162.70): E
 Ion 160.00 (159.70 to 160.70): E

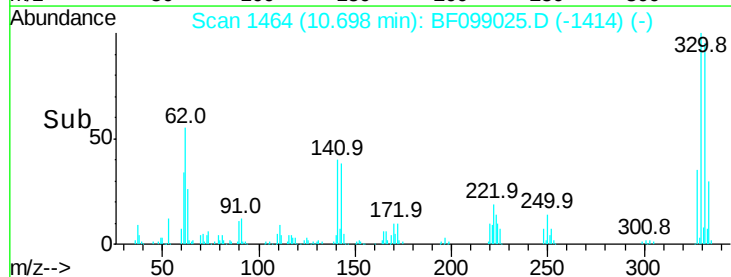
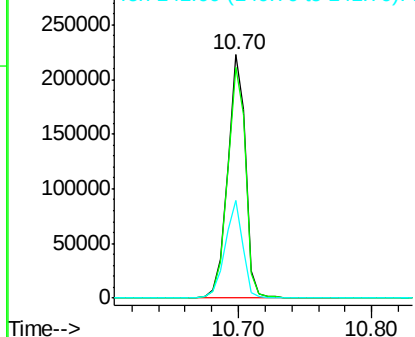


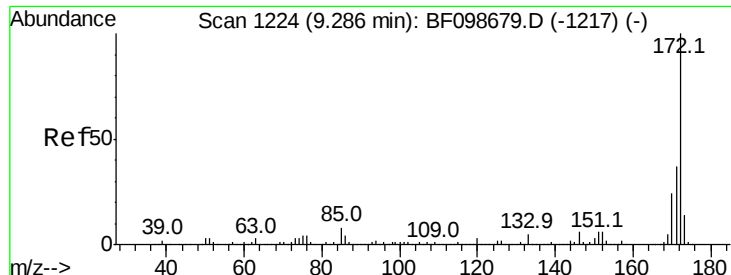
#41
 2,4,6-Tribromophenol
 Concen: 114.693 ng
 RT: 10.70 min Scan# 1464
 Delta R.T. -0.01 min
 Lab File: BF099025.D
 Acq: 3 Oct 2017 12:21

Tgt Ion:330 Resp: 210217
 Ion Ratio Lower Upper
 330 100
 332 96.4 77.0 115.6
 141 39.8 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



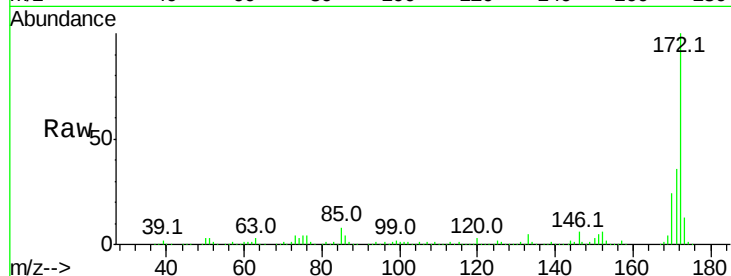


#44
 2-Fluorobiphenyl
 Concen: 83.848 ng
 RT: 9.23 min Scan# 1214
 Delta R.T. -0.01 min
 Lab File: BF099025.D
 Acq: 3 Oct 2017 12:21

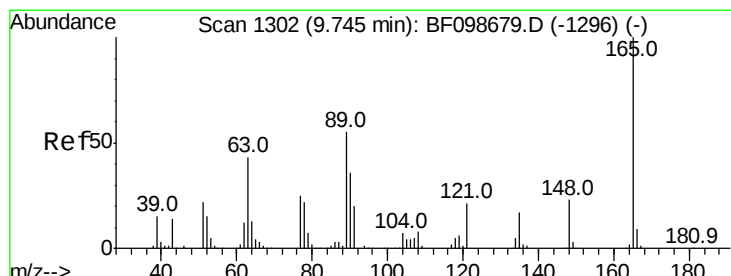
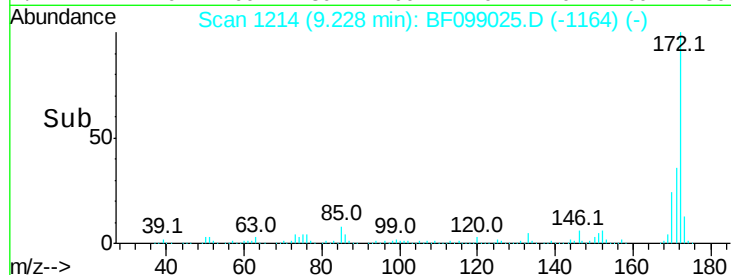
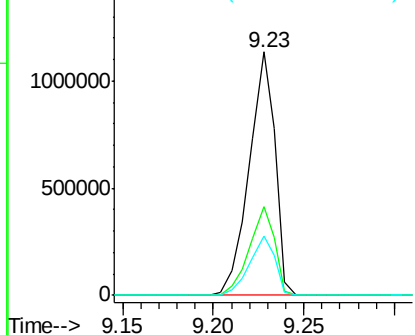
Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:172 Resp: 1125019

Ion	Ratio	Lower	Upper
172	100		
171	36.3	29.7	44.5
170	24.2	19.6	29.4



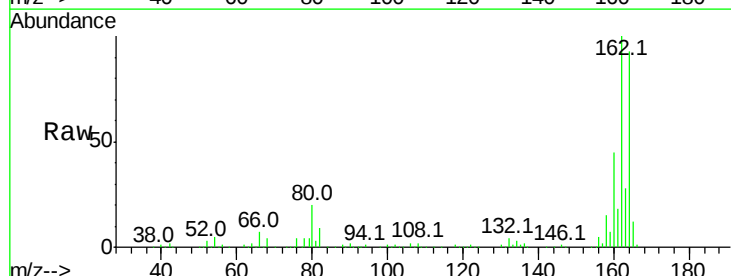
Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E



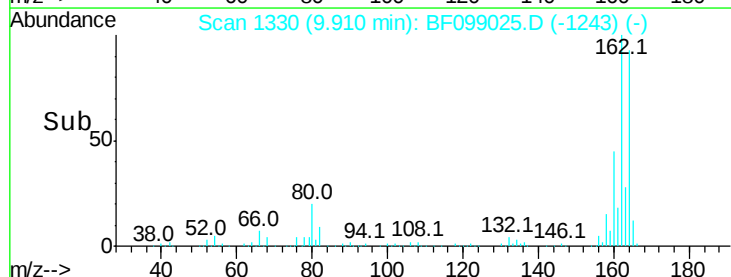
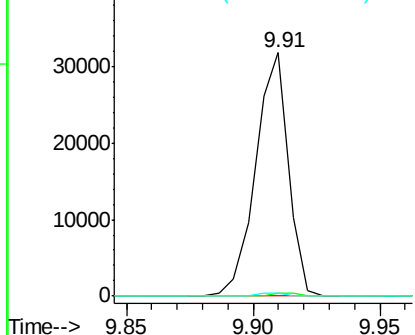
#50
 2,6-Dinitrotoluene
 Concen: 7.773 ng
 RT: 9.91 min Scan# 1330
 Delta R.T. 0.21 min
 Lab File: BF099025.D
 Acq: 3 Oct 2017 12:21

Tgt Ion:165 Resp: 28610

Ion	Ratio	Lower	Upper
165	100		
63	1.1	44.7	67.1#
89	1.2	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

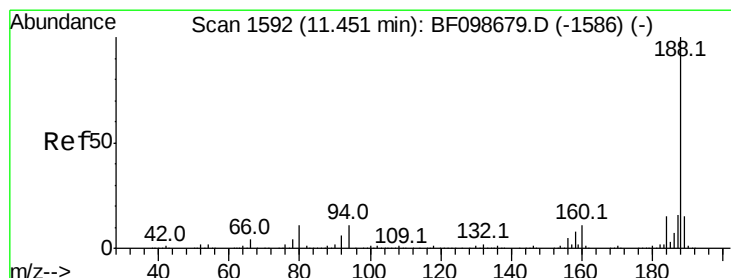
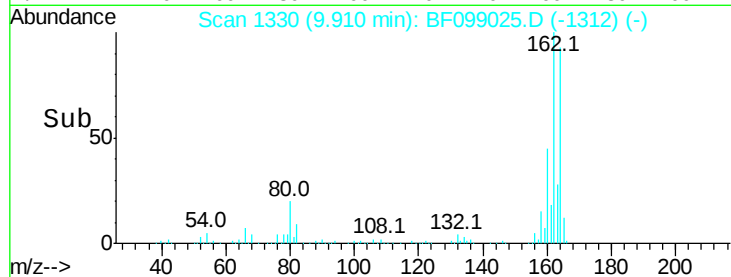
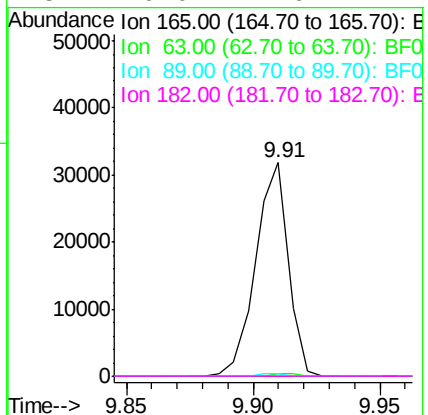
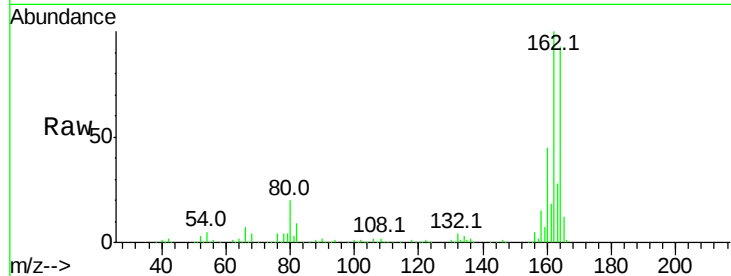




#56
 2,4-Dinitrotoluene
 Concen: 5.990 ng
 RT: 9.91 min Scan# 1330
 Delta R.T. -0.19 min
 Lab File: BF099025.D
 Acq: 3 Oct 2017 12:21

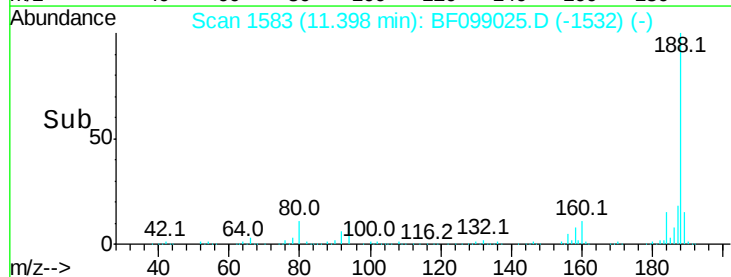
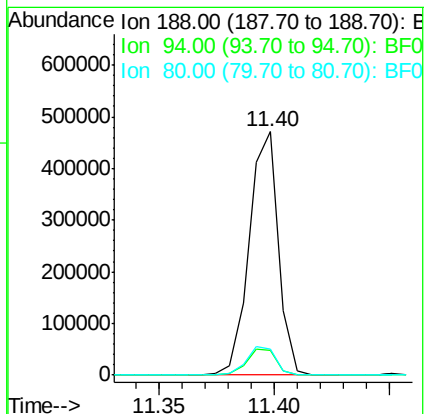
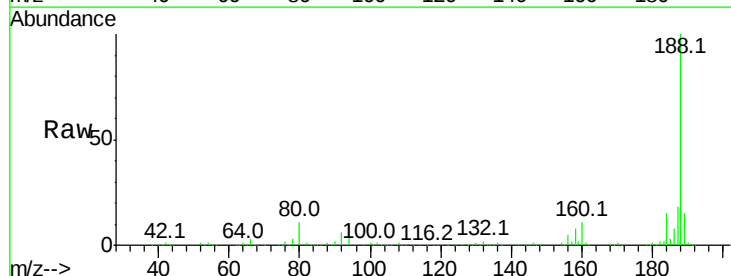
Instrument :
 BNA_F
 ClientSampled :

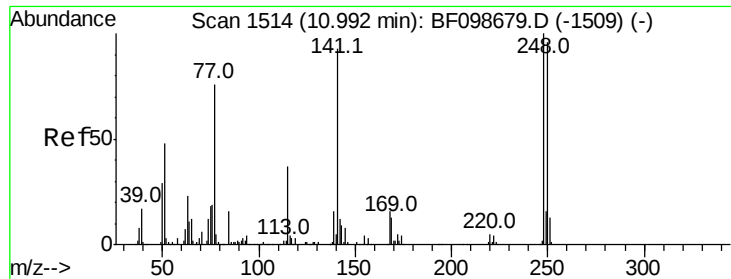
Tot Ion:165 Resp: 28610
 Ion Ratio Lower Upper
 165 100
 63 1.1 36.4 54.6#
 89 1.2 57.8 86.6#
 182 0.0 1.6 2.4#



#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.40 min Scan# 1583
 Delta R.T. 0.00 min
 Lab File: BF099025.D
 Acq: 3 Oct 2017 12:21

Tgt Ion:188 Resp: 415274
 Ion Ratio Lower Upper
 188 100
 94 10.2 8.5 12.7
 80 10.5 9.2 13.8

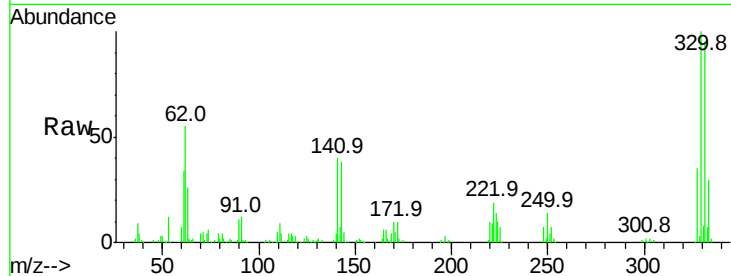




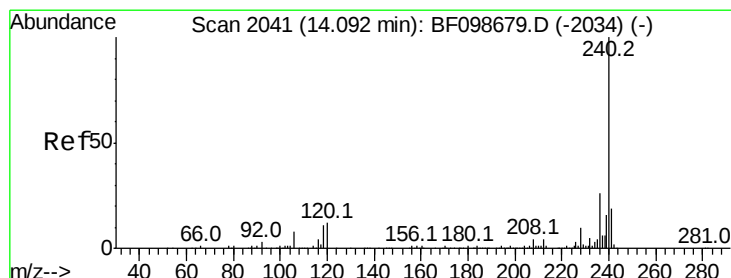
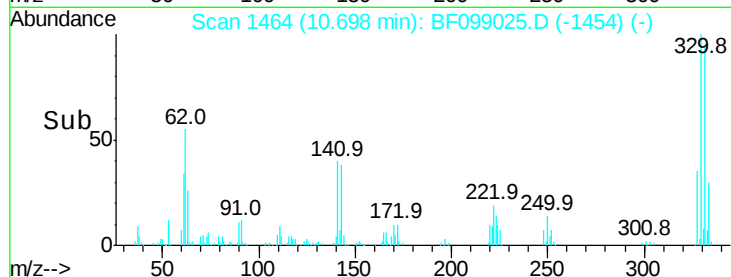
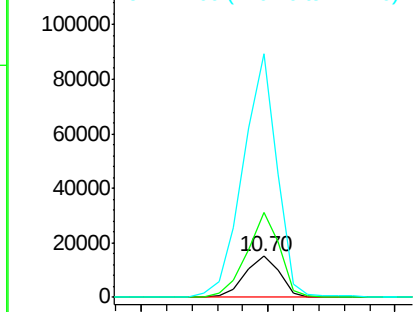
#66
 4-Bromophenyl-phenylether
 Concen: 3.545 ng
 RT: 10.70 min Scan# 1464
 Delta R.T. -0.24 min
 Lab File: BF099025.D
 Acq: 3 Oct 2017 12:21

Instrument :
 BNA_F
 ClientSampled :

Tot Ion:248 Resp: 14410
 Ion Ratio Lower Upper
 248 100
 250 208.9 76.9 115.3#
 141 595.8 74.4 111.6#

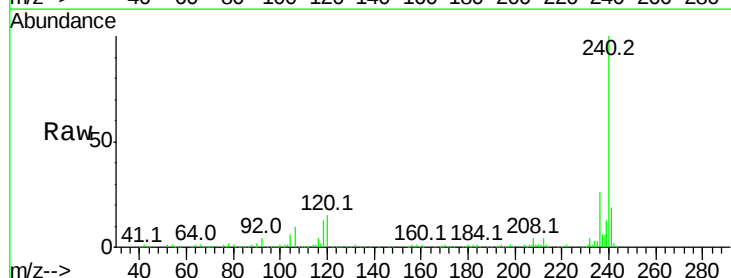


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

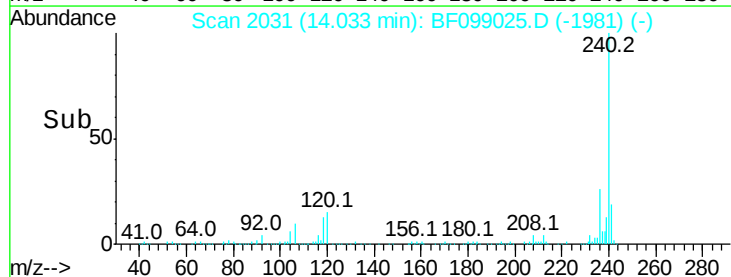
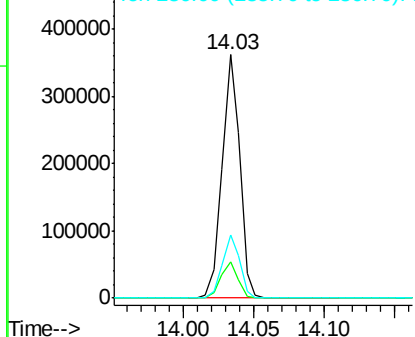


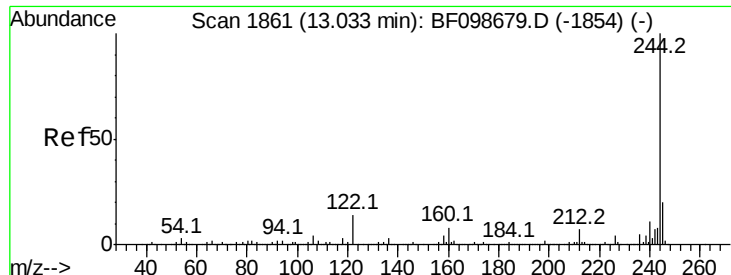
#75
 Chrysene-d12
 Concen: 20.000 ng
 RT: 14.03 min Scan# 2031
 Delta R.T. -0.01 min
 Lab File: BF099025.D
 Acq: 3 Oct 2017 12:21

Tgt Ion:240 Resp: 315011
 Ion Ratio Lower Upper
 240 100
 120 14.9 9.5 14.3#
 236 26.0 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: 75.047 ng

RT: 12.98 min Scan# 1852

Delta R.T. 0.00 min

Lab File: BF099025.D

Acq: 3 Oct 2017 12:21

Instrument :

BNA_F

ClientSampled :

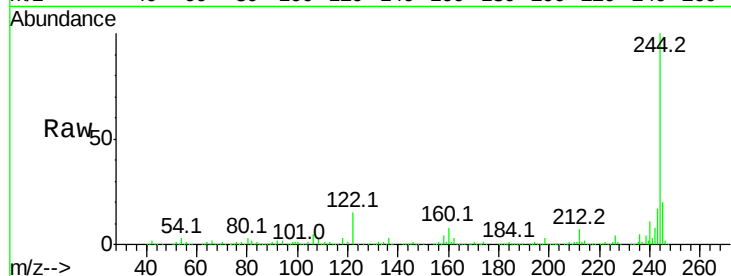
Tot Ion:244 Resp: 1039508

Ion Ratio Lower Upper

244 100

212 7.1 5.4 8.0

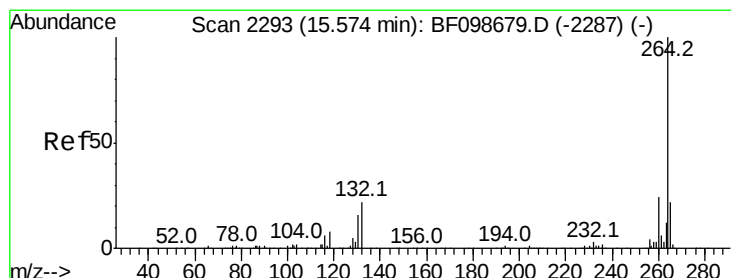
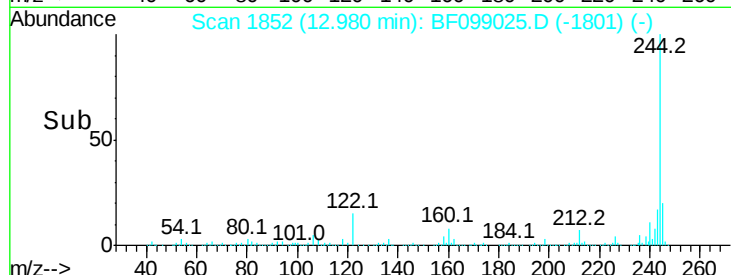
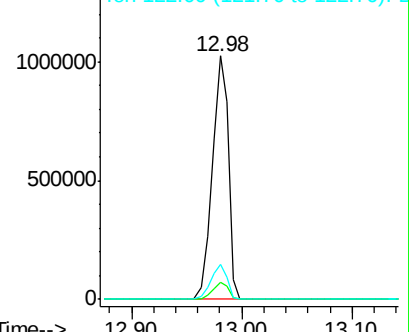
122 14.6 11.0 16.4



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: 15.51 min Scan# 2282

Delta R.T. -0.01 min

Lab File: BF099025.D

Acq: 3 Oct 2017 12:21

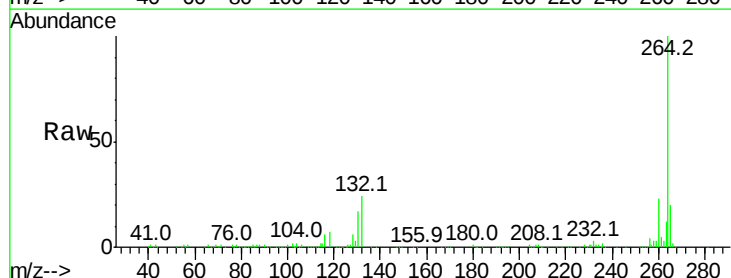
Tgt Ion:264 Resp: 249864

Ion Ratio Lower Upper

264 100

260 23.0 19.2 28.8

265 20.2 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

