

Data Path : Z:\HPCHEM1\BNA F\DATA\BF100817\
 Data File : BF099241.D
 Acq On : 8 Oct 2017 19:27
 Operator : SJ/JU
 Sample : I5708-03
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Oct 09 01:13:56 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF092317.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Oct 05 17:20:48 2017
 Response via : Initial Calibration

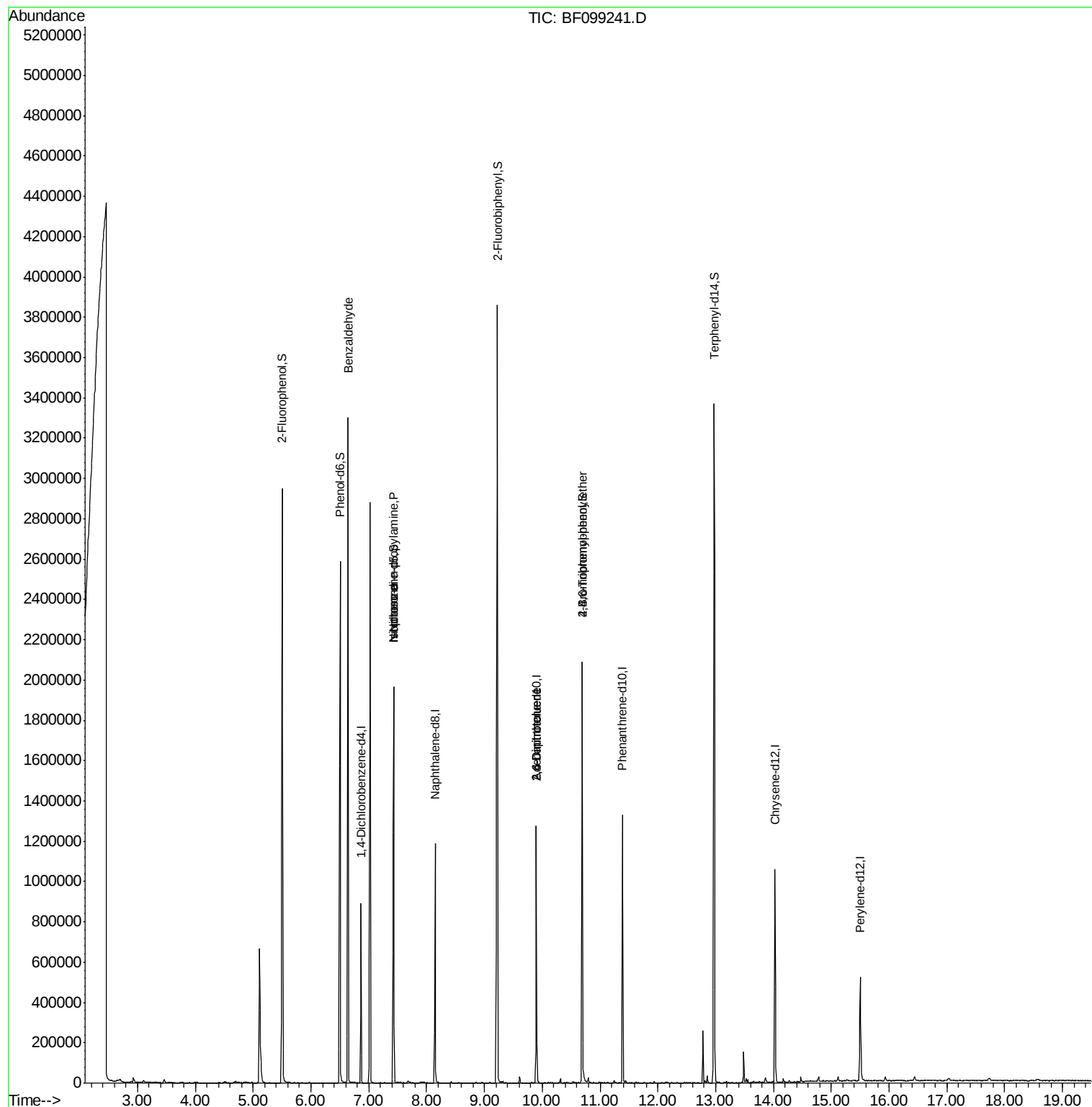
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.86	152	128939	20.00	ng	0.00
21) Naphthalene-d8	8.15	136	536823	20.00	ng	0.00
38) Acenaphthene-d10	9.90	164	250571	20.00	ng	0.00
63) Phenanthrene-d10	11.39	188	452366	20.00	ng	0.00
75) Chrysene-d12	14.03	240	333543	20.00	ng	0.00
86) Perylene-d12	15.50	264	238388	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.50	112	979969	120.99	ng	0.02
7) Phenol-d6	6.50	99	1082338	108.32	ng	0.00
23) Nitrobenzene-d5	7.43	82	769479	91.92	ng	0.00
41) 2,4,6-Tribromophenol	10.69	330	281170	137.13	ng	0.00
44) 2-Fluorobiphenyl	9.22	172	1390600	92.65	ng	0.00
78) Terphenyl-d14	12.97	244	1291810	88.08	ng	0.00
Target Compounds						
9) Benzaldehyde	6.64	77	19917	3.44	ng	Qvalue 86
19) n-Nitroso-di-n-propylamine	7.43	70	99119	15.54	ng	# 73
25) Isophorone	7.43	82	769466	44.46	ng	# 64
50) 2,6-Dinitrotoluene	9.90	165	32463	7.88	ng	# 25
56) 2,4-Dinitrotoluene	9.90	165	32463	6.08	ng	# 23
66) 4-Bromophenyl-phenylether	10.69	248	18819	4.25	ng	# 1

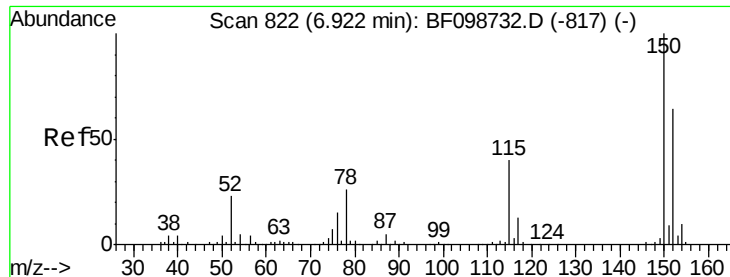
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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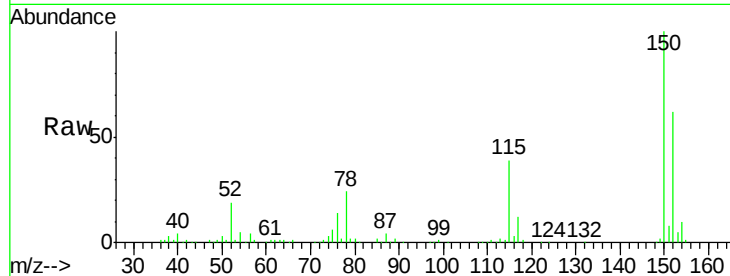


#1

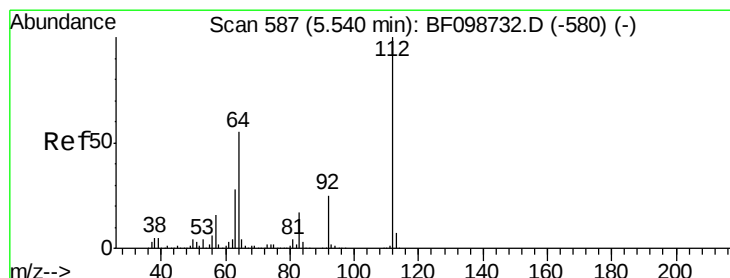
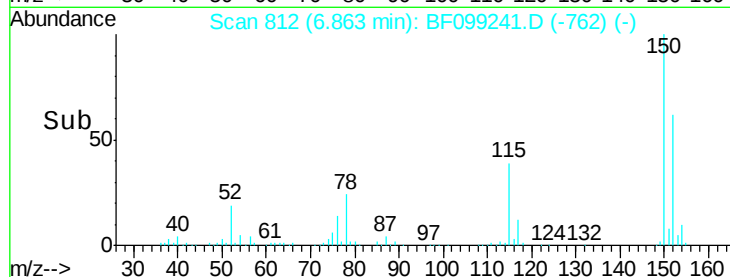
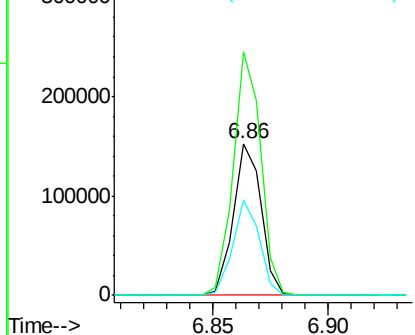
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.86 min Scan# 812
Delta R.T. -0.01 min
Lab File: BF099241.D
Acq: 8 Oct 2017 19:27

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 128939
Ion Ratio Lower Upper
152 100
150 160.2 124.6 186.8
115 62.3 50.1 75.1



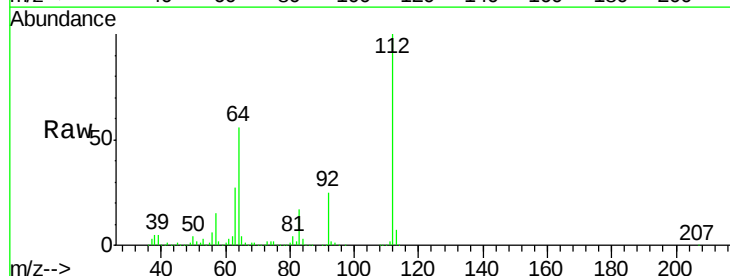
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



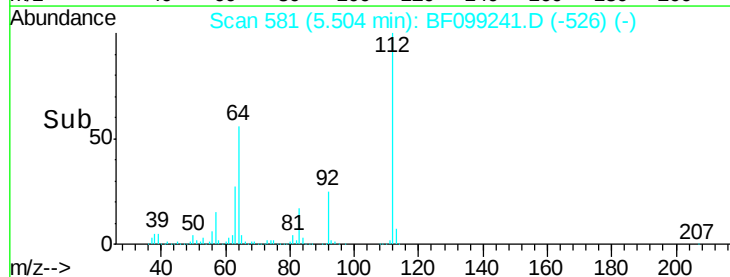
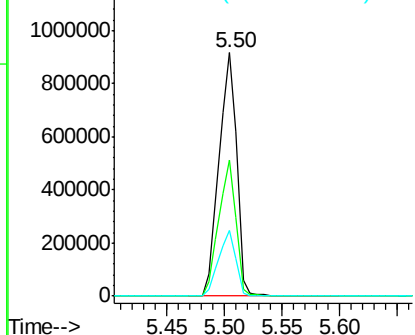
#5

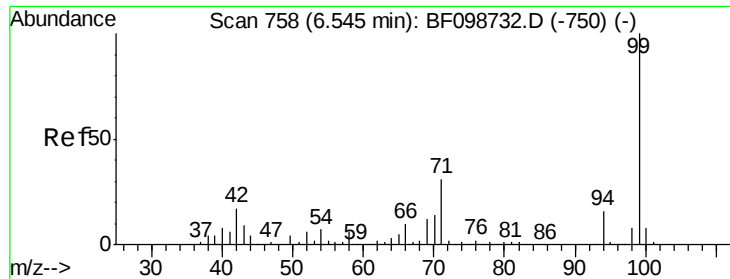
2-Fluorophenol
Concen: 120.99 ng
RT: 5.50 min Scan# 581
Delta R.T. 0.02 min
Lab File: BF099241.D
Acq: 8 Oct 2017 19:27

Tgt Ion:112 Resp: 979969
Ion Ratio Lower Upper
112 100
64 55.8 47.9 71.9
63 27.1 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: 108.32 ng

RT: 6.50 min Scan# 751

Delta R.T. 0.01 min

Lab File: BF099241.D

Acq: 8 Oct 2017 19:27

Instrument :

BNA_F

ClientSampled :

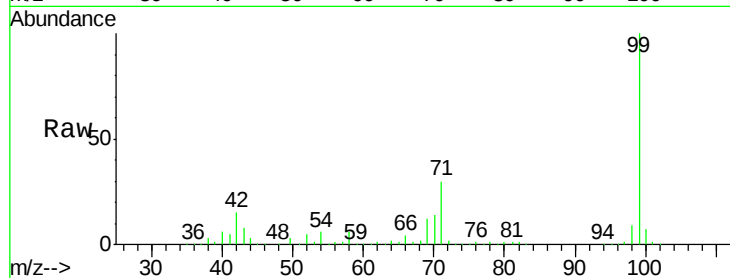
Tot Ion: 99 Resp: 1082338

Ion Ratio Lower Upper

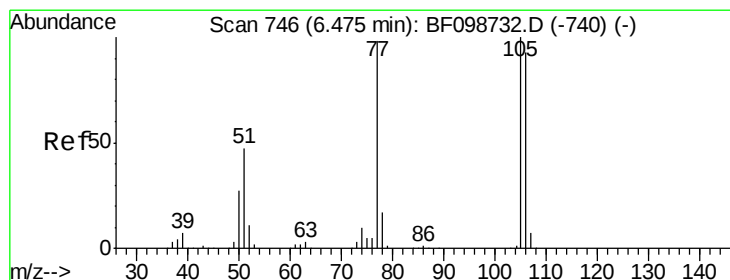
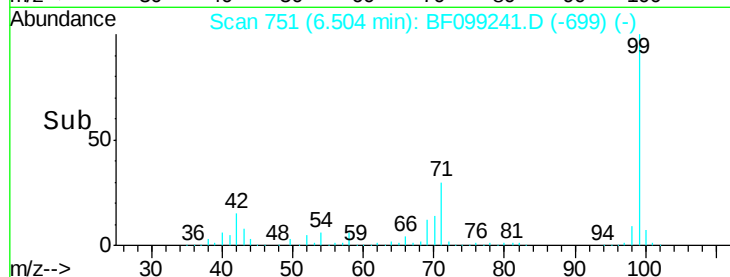
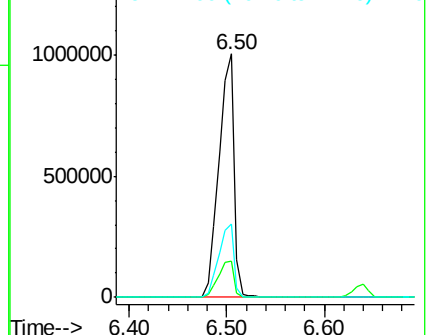
99 100

42 14.6 14.5 21.7

71 29.9 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: 3.44 ng

RT: 6.64 min Scan# 774

Delta R.T. 0.22 min

Lab File: BF099241.D

Acq: 8 Oct 2017 19:27

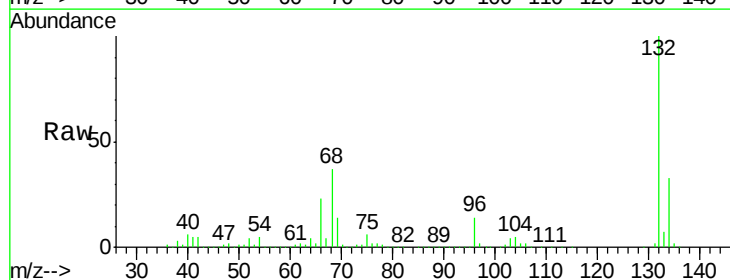
Tgt Ion: 77 Resp: 19917

Ion Ratio Lower Upper

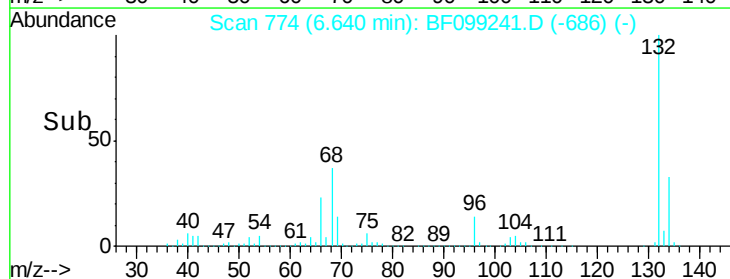
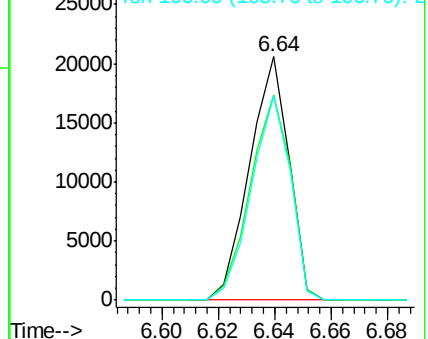
77 100

105 84.2 81.1 121.1

106 83.8 74.5 114.5



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

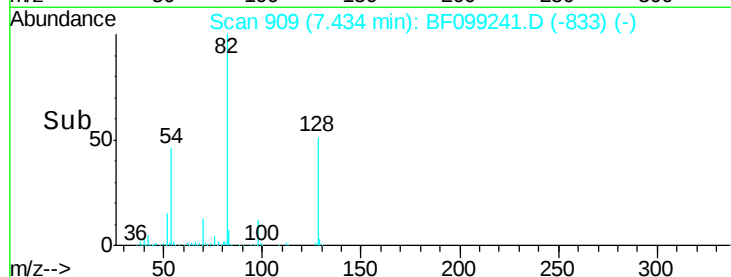
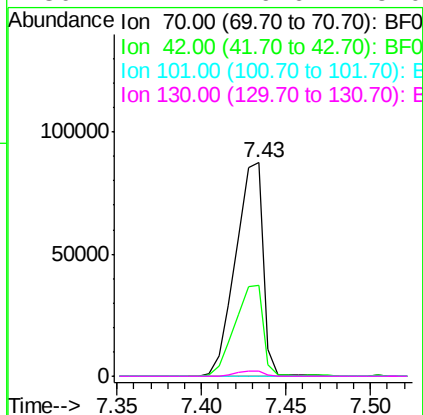
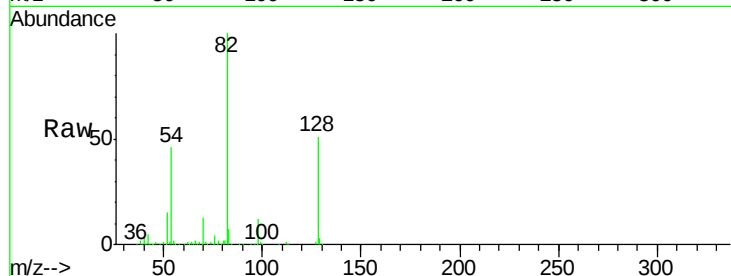




#19
n-Nitroso-di-n-propylamine
Concen: 15.54 ng
RT: 7.43 min Scan# 909
Delta R.T. 0.15 min
Lab File: BF099241.D
Acq: 8 Oct 2017 19:27

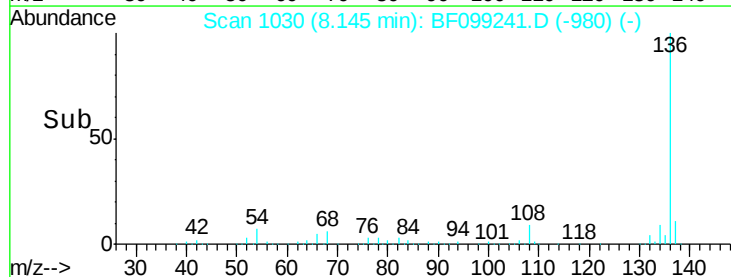
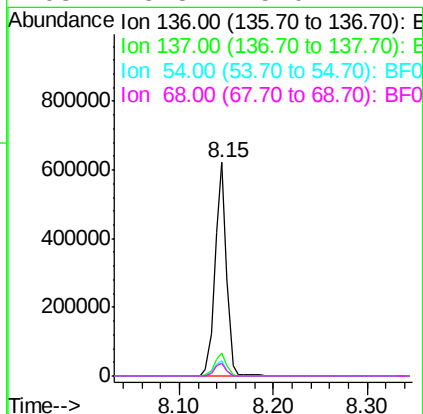
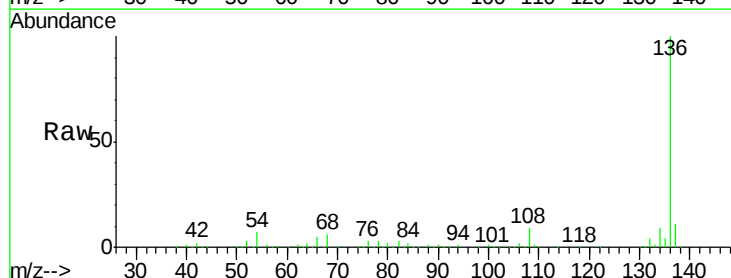
Instrument :
BNA_F
ClientSampled :

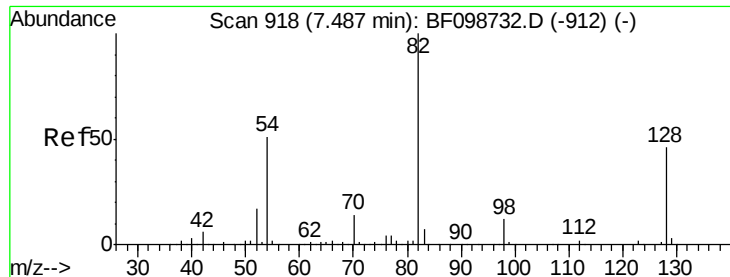
Tot Ion: 70 Resp: 99119
Ion Ratio Lower Upper
70 100
42 42.6 47.5 71.3#
101 0.0 7.4 11.2#
130 2.4 16.6 25.0#



#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.15 min Scan# 1030
Delta R.T. -0.01 min
Lab File: BF099241.D
Acq: 8 Oct 2017 19:27

Tgt Ion: 136 Resp: 536823
Ion Ratio Lower Upper
136 100
137 10.9 8.9 13.3
54 7.3 6.6 9.8
68 5.8 5.0 7.4

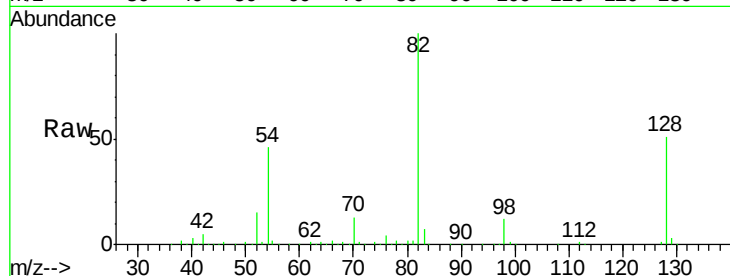




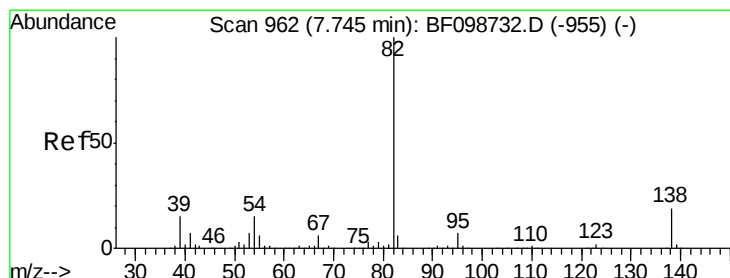
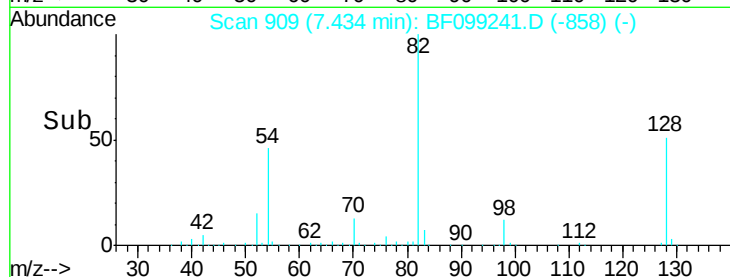
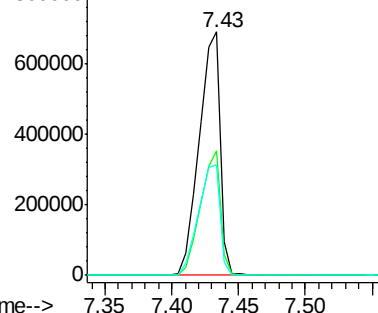
#23
Nitrobenzene-d5
Concen: 91.92 ng
RT: 7.43 min Scan# 909
Delta R.T. 0.00 min
Lab File: BF099241.D
Acq: 8 Oct 2017 19:27

Instrument :
BNA_F
ClientSampled :

Tot Ion: 82 Resp: 769479
Ion Ratio Lower Upper
82 100
128 51.3 36.1 54.1
54 45.6 41.4 62.2

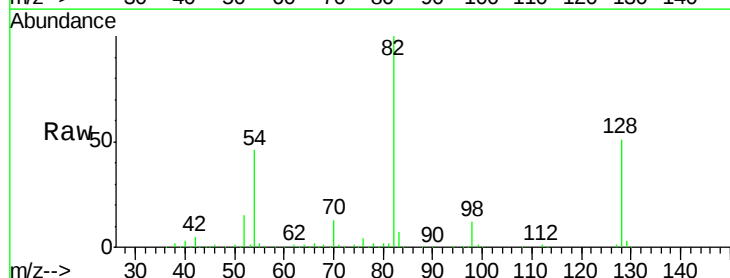


Abundance Ion 82.00 (81.70 to 82.70): BF0
Ion 128.00 (127.70 to 128.70): BF0
Ion 54.00 (53.70 to 54.70): BF0

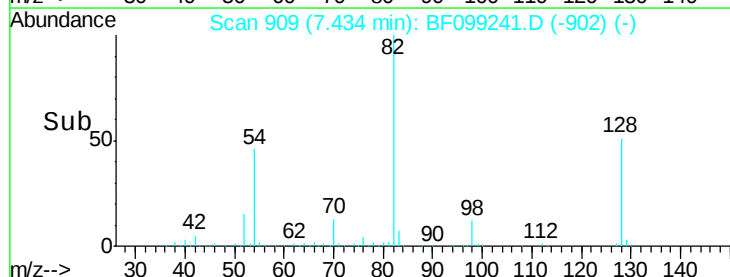
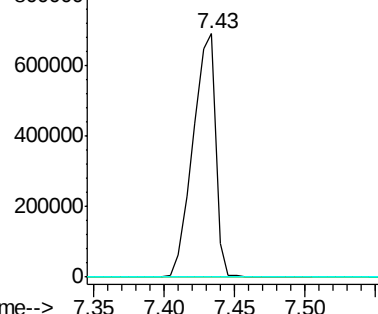


#25
Isophorone
Concen: 44.46 ng
RT: 7.43 min Scan# 909
Delta R.T. -0.26 min
Lab File: BF099241.D
Acq: 8 Oct 2017 19:27

Tgt Ion: 82 Resp: 769466
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

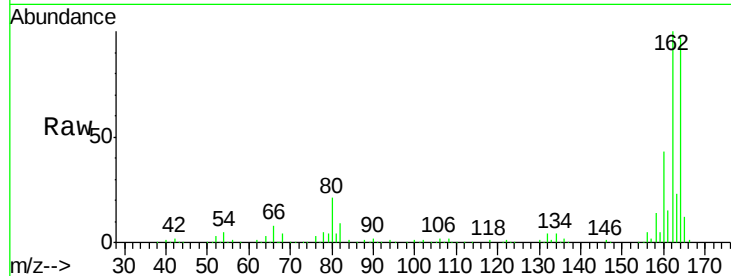




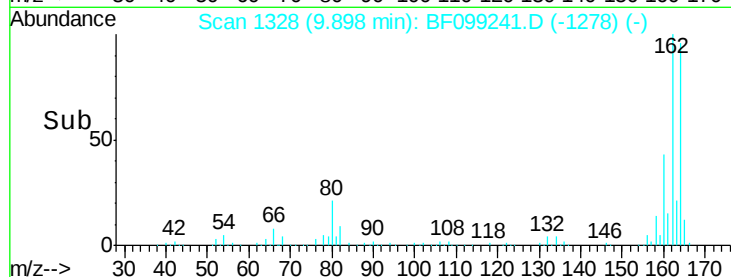
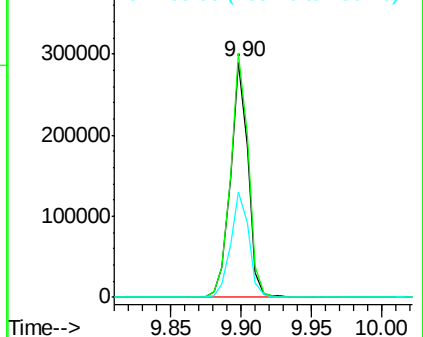
#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.90 min Scan# 1328
 Delta R.T. -0.01 min
 Lab File: BF099241.D
 Acq: 8 Oct 2017 19:27

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:164 Resp: 250571
 Ion Ratio Lower Upper
 164 100
 162 103.5 86.1 129.1
 160 44.7 38.3 57.5

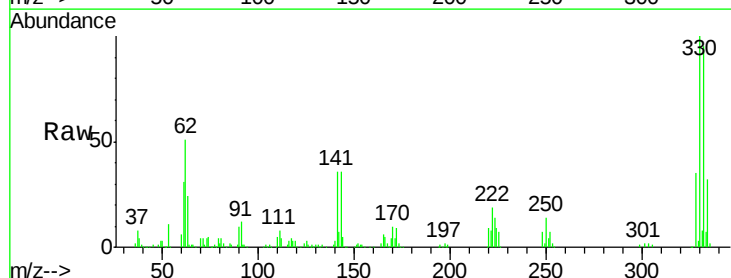


Abundance Ion 164.00 (163.70 to 164.70): E
 Ion 162.00 (161.70 to 162.70): E
 Ion 160.00 (159.70 to 160.70): E

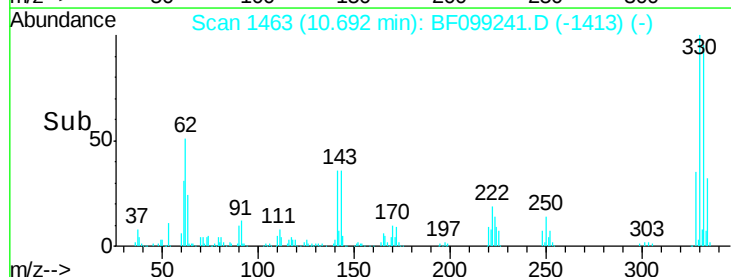
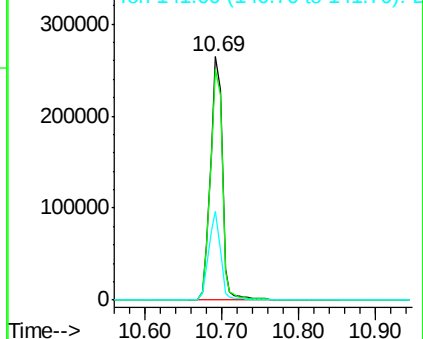


#41
 2,4,6-Tribromophenol
 Concen: 137.13 ng
 RT: 10.69 min Scan# 1463
 Delta R.T. -0.01 min
 Lab File: BF099241.D
 Acq: 8 Oct 2017 19:27

Tgt Ion:330 Resp: 281170
 Ion Ratio Lower Upper
 330 100
 332 96.0 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



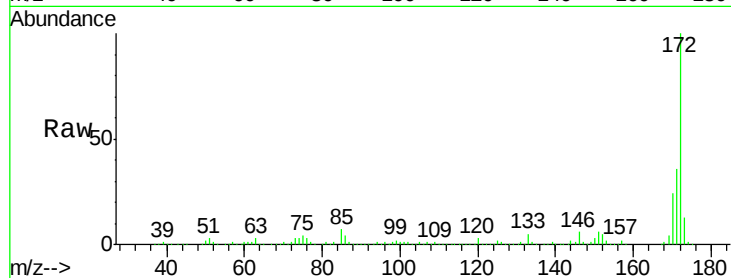


#44
 2-Fluorobiphenyl
 Concen: 92.65 ng
 RT: 9.22 min Scan# 1213
 Delta R.T. -0.01 min
 Lab File: BF099241.D
 Acq: 8 Oct 2017 19:27

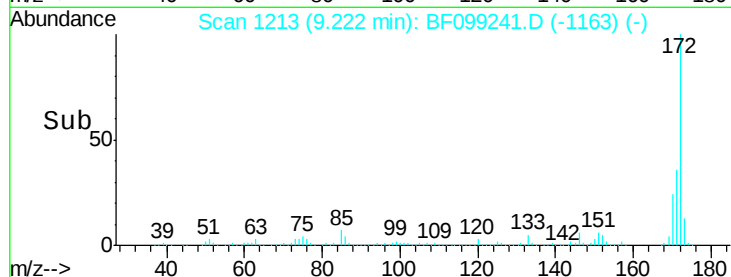
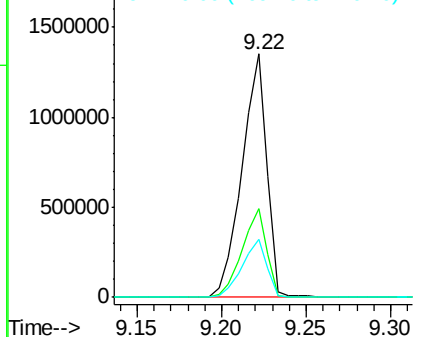
Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:172 Resp: 1390600

Ion	Ratio	Lower	Upper
172	100		
171	36.2	29.7	44.5
170	24.1	19.6	29.4



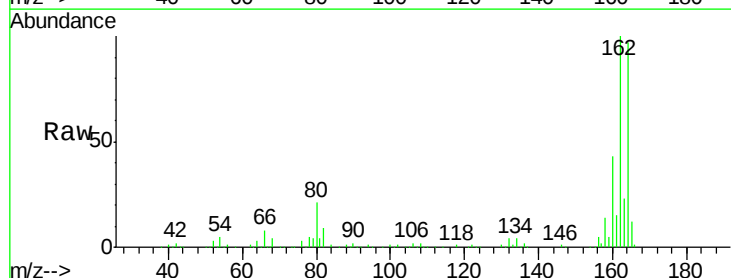
Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E



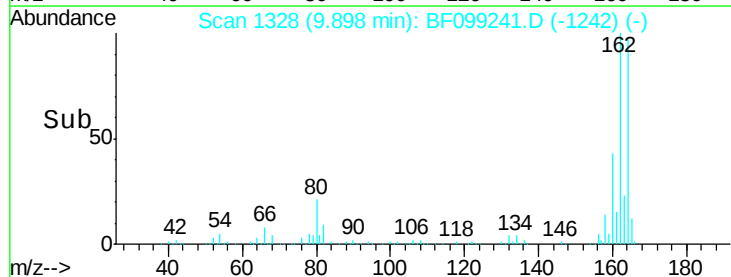
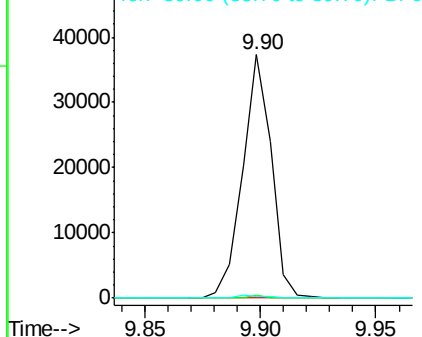
#50
 2,6-Dinitrotoluene
 Concen: 7.88 ng
 RT: 9.90 min Scan# 1328
 Delta R.T. 0.21 min
 Lab File: BF099241.D
 Acq: 8 Oct 2017 19:27

Tgt Ion:165 Resp: 32463

Ion	Ratio	Lower	Upper
165	100		
63	1.2	44.7	67.1#
89	0.8	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

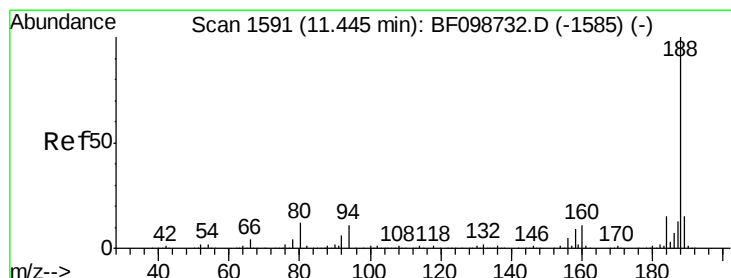
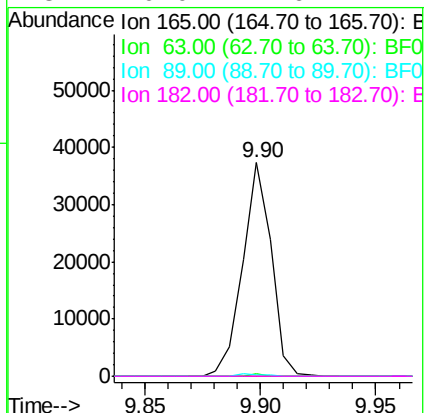
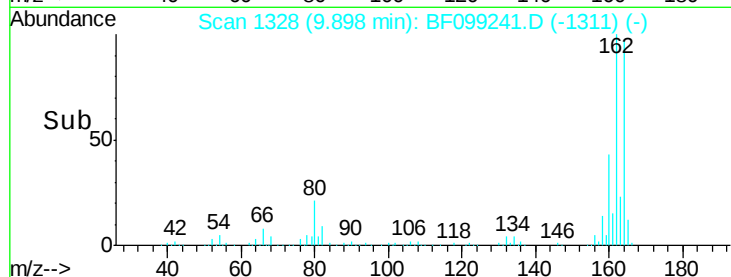
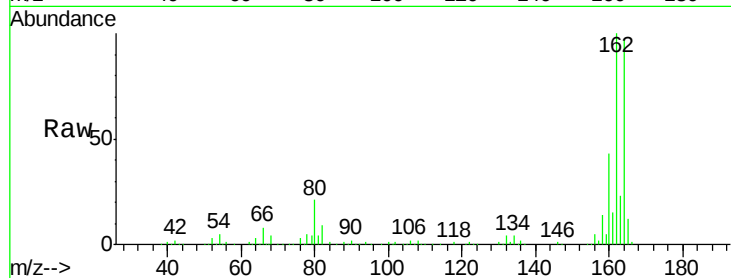




#56
 2,4-Dinitrotoluene
 Concen: 6.08 ng
 RT: 9.90 min Scan# 1328
 Delta R.T. -0.20 min
 Lab File: BF099241.D
 Acq: 8 Oct 2017 19:27

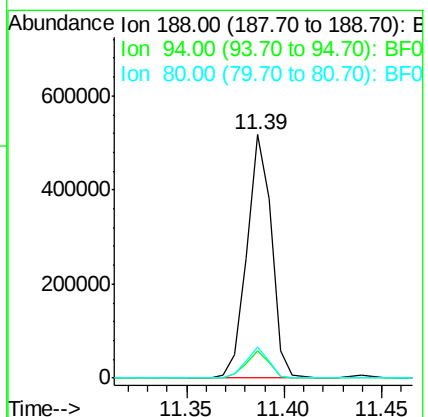
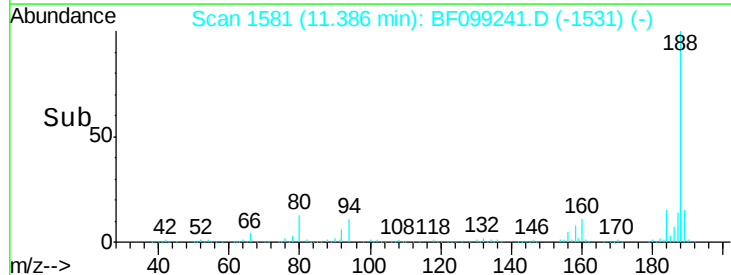
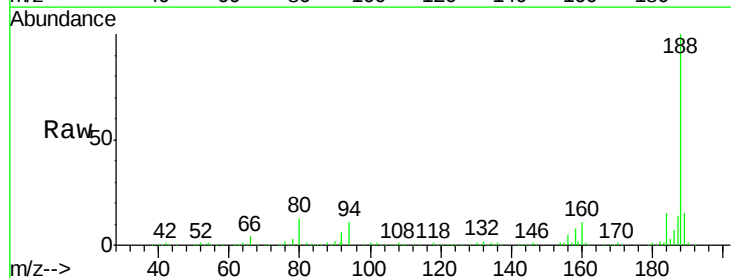
Instrument :
 BNA_F
 ClientSampled :

Tot Ion:165	Resp:	32463
Ion Ratio	Lower	Upper
165	100	
63	1.2	36.4 54.6#
89	0.8	57.8 86.6#
182	0.0	1.6 2.4#



#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 11.39 min Scan# 1581
 Delta R.T. -0.01 min
 Lab File: BF099241.D
 Acq: 8 Oct 2017 19:27

Tgt Ion:188	Resp:	452366
Ion Ratio	Lower	Upper
188	100	
94	11.2	8.5 12.7
80	12.6	9.2 13.8

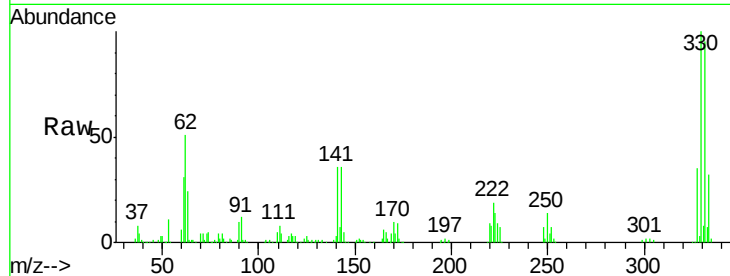




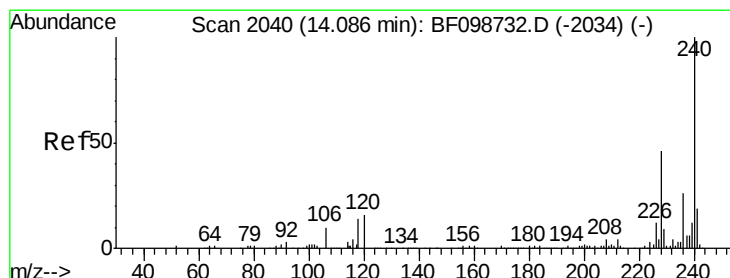
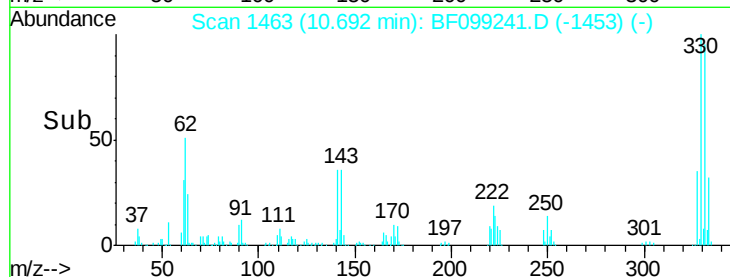
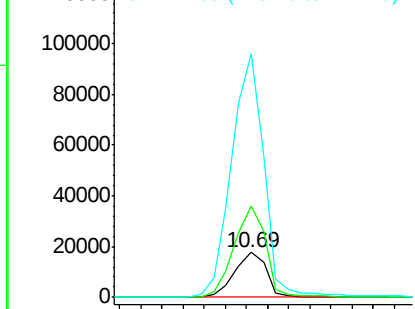
#66
4-Bromophenyl-phenylether
Concen: 4.25 ng
RT: 10.69 min Scan# 1463
Delta R.T. -0.24 min
Lab File: BF099241.D
Acq: 8 Oct 2017 19:27

Instrument :
BNA_F
ClientSampleId :

Tot Ion:248 Resp: 18819
Ion Ratio Lower Upper
248 100
250 203.2 76.9 115.3#
141 539.9 74.4 111.6#

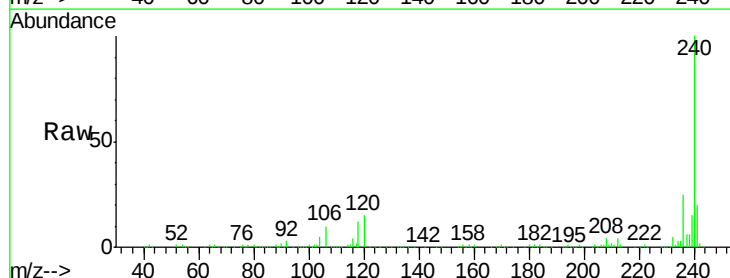


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

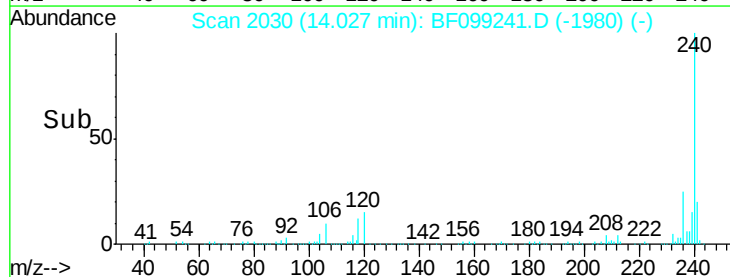
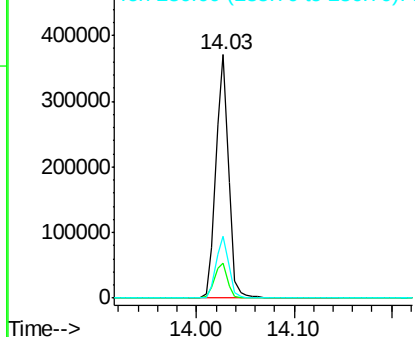


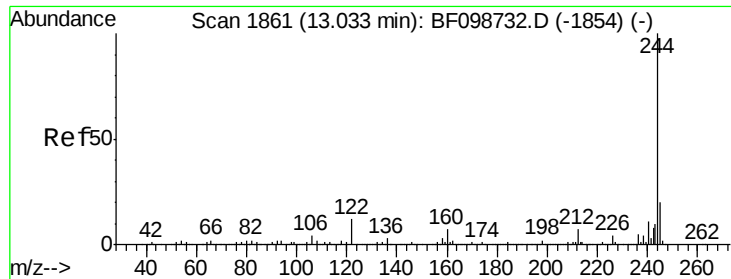
#75
Chrysene-d12
Concen: 20.00 ng
RT: 14.03 min Scan# 2030
Delta R.T. -0.01 min
Lab File: BF099241.D
Acq: 8 Oct 2017 19:27

Tgt Ion:240 Resp: 333543
Ion Ratio Lower Upper
240 100
120 14.6 9.5 14.3#
236 25.4 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: 88.08 ng

RT: 12.97 min Scan# 1851

Delta R.T. 0.00 min

Lab File: BF099241.D

Acq: 8 Oct 2017 19:27

Instrument :

BNA_F

ClientSampleId :

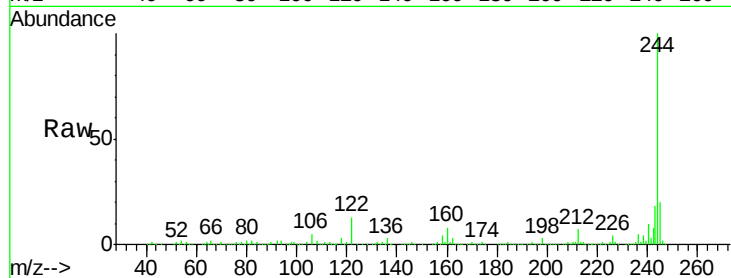
Tot Ion:244 Resp: 1291810

Ion Ratio Lower Upper

244 100

212 7.1 5.4 8.0

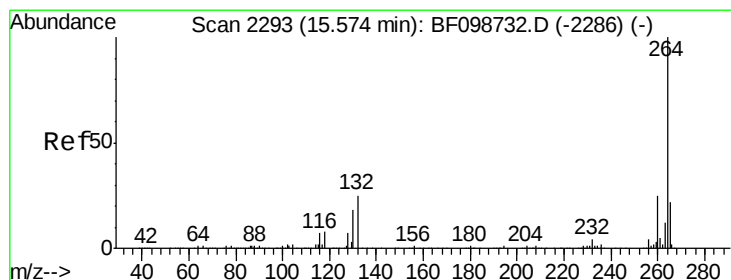
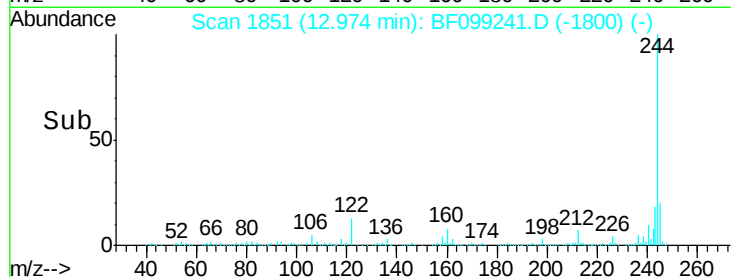
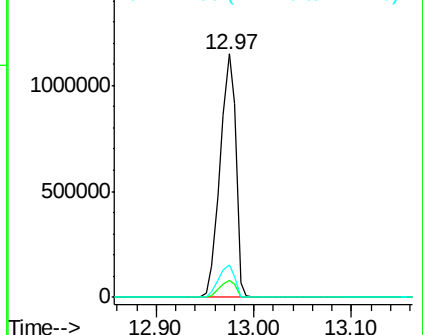
122 13.5 11.0 16.4



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: 20.00 ng

RT: 15.50 min Scan# 2281

Delta R.T. 0.00 min

Lab File: BF099241.D

Acq: 8 Oct 2017 19:27

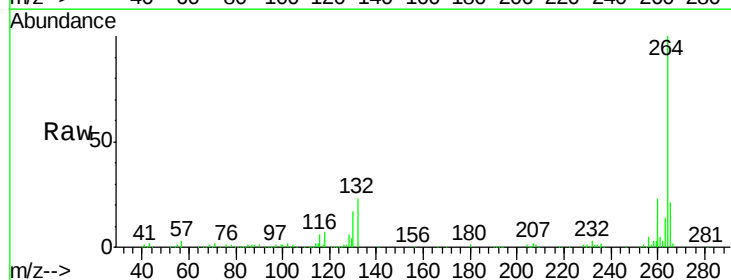
Tgt Ion:264 Resp: 238388

Ion Ratio Lower Upper

264 100

260 23.3 19.2 28.8

265 20.7 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

