

Data Path : Z:\HPCHEM1\BNA F\DATA\BF102417\
 Data File : BF099804.D
 Acq On : 24 Oct 2017 22:46
 Operator : SJ/JU
 Sample : I5956-06
 Misc :
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Oct 25 07:40:25 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF102317.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Oct 23 23:39:26 2017
 Response via : Initial Calibration

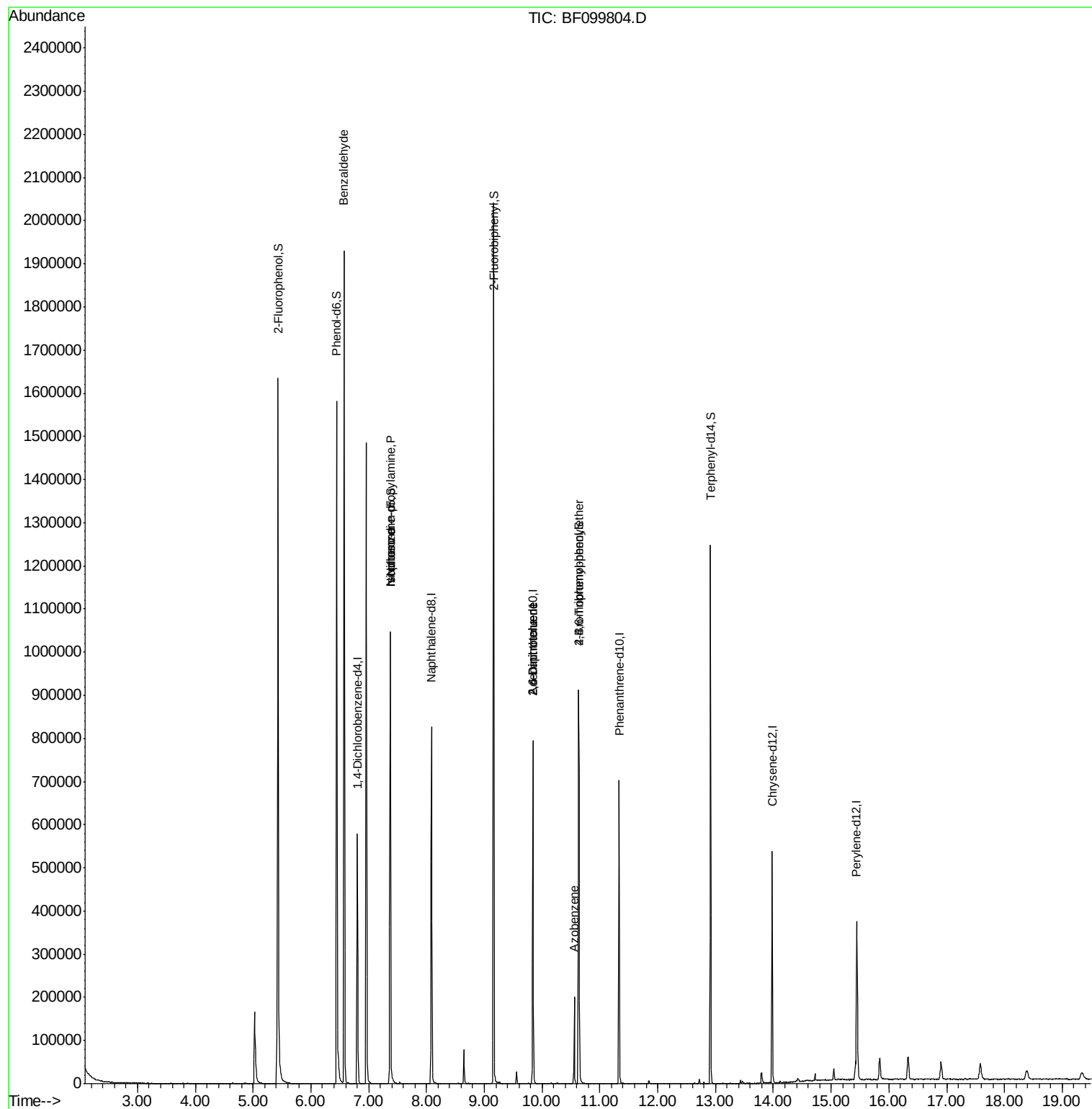
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.80	152	90118	20.00	ng	0.00
21) Naphthalene-d8	8.09	136	371828	20.00	ng	0.00
38) Acenaphthene-d10	9.84	164	162073	20.00	ng	0.00
63) Phenanthrene-d10	11.33	188	244099	20.00	ng	0.00
75) Chrysene-d12	13.98	240	175619	20.00	ng	0.00
86) Perylene-d12	15.44	264	172198	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.43	112	556206	96.90	ng	0.00
7) Phenol-d6	6.45	99	649205	95.38	ng	0.00
23) Nitrobenzene-d5	7.37	82	365666	63.31	ng	0.00
41) 2,4,6-Tribromophenol	10.63	330	110438	74.77	ng	0.00
44) 2-Fluorobiphenyl	9.16	172	663033	63.12	ng	0.00
78) Terphenyl-d14	12.92	244	385585	47.98	ng	0.00
Target Compounds						
9) Benzaldehyde	6.57	77	9984	2.45	ng	Qvalue 92
19) n-Nitroso-di-n-propylamine	7.37	70	45838	11.49	ng	# 73
25) Isophorone	7.37	82	365663	34.89	ng	# 64
50) 2,6-Dinitrotoluene	9.84	165	20095	7.45	ng	# 24
56) 2,4-Dinitrotoluene	9.84	165	20095	6.18	ng	# 21
62) Azobenzene	10.56	77	34834	3.32	ng	# 1
66) 4-Bromophenyl-phenylether	10.63	248	6976	2.71	ng	# 1

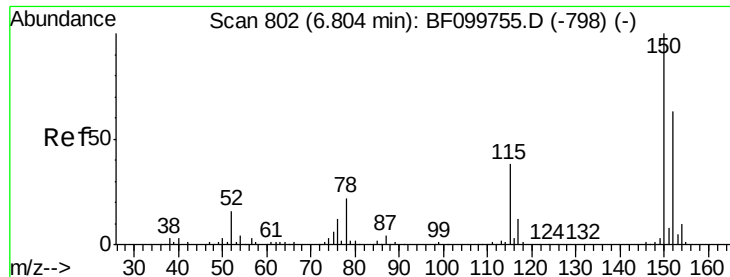
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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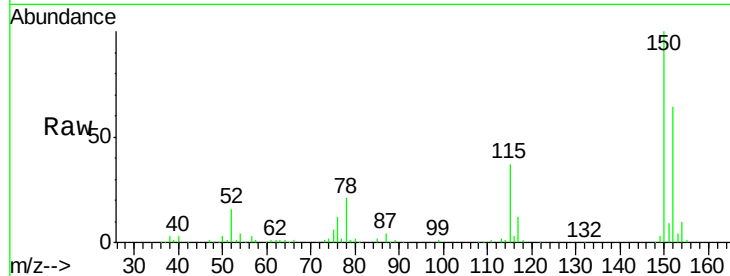


#1

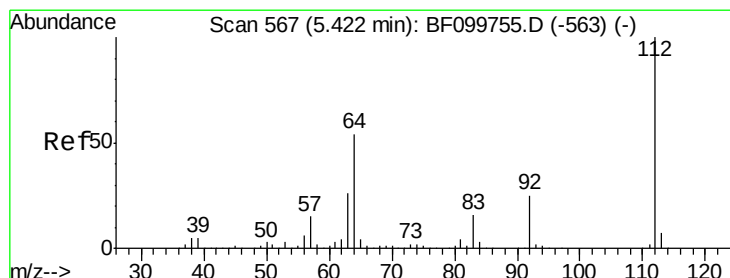
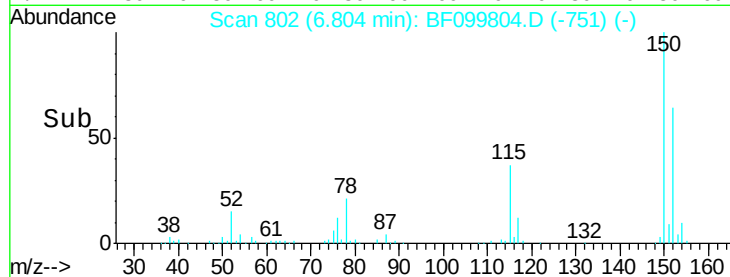
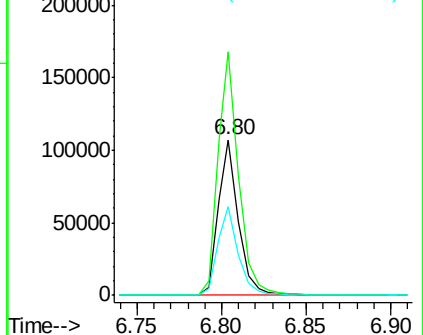
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.80 min Scan# 802
Delta R.T. -0.00 min
Lab File: BF099804.D
Acq: 24 Oct 2017 22:46

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 90118
Ion Ratio Lower Upper
152 100
150 156.2 124.6 186.8
115 57.3 50.1 75.1



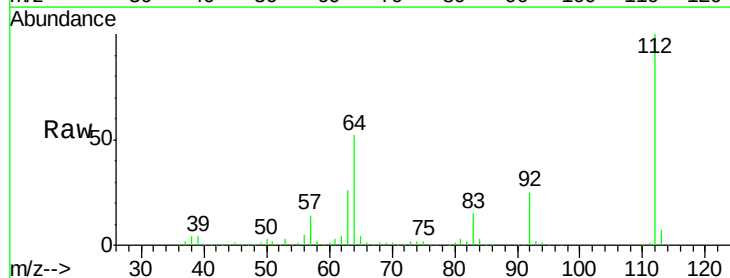
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



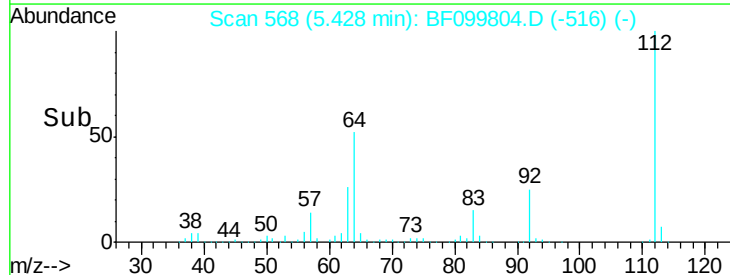
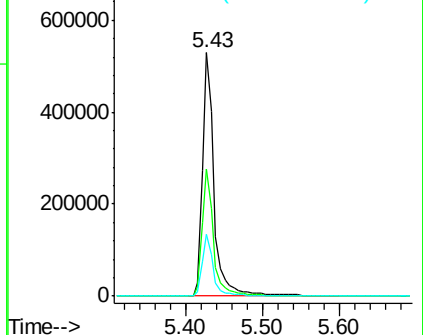
#5

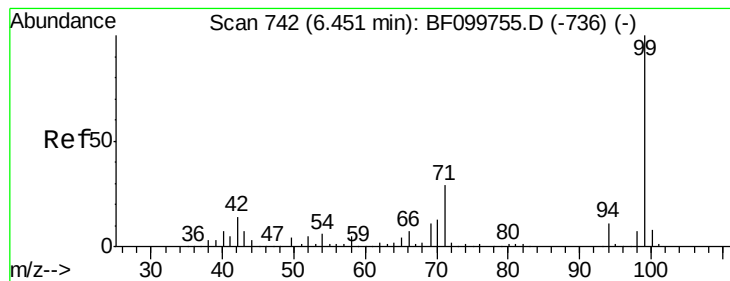
2-Fluorophenol
Concen: 96.90 ng
RT: 5.43 min Scan# 568
Delta R.T. 0.01 min
Lab File: BF099804.D
Acq: 24 Oct 2017 22:46

Tgt Ion:112 Resp: 556206
Ion Ratio Lower Upper
112 100
64 52.4 47.9 71.9
63 25.6 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: 95.38 ng

RT: 6.45 min Scan# 741

Delta R.T. -0.01 min

Lab File: BF099804.D

Acq: 24 Oct 2017 22:46

Instrument :

BNA_F

ClientSampleId :

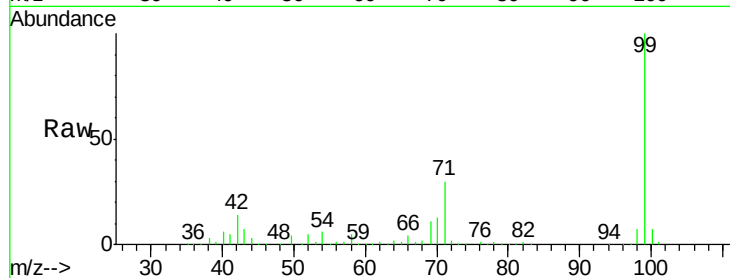
Tot Ion: 99 Resp: 649205

Ion Ratio Lower Upper

99 100

42 14.1 14.5 21.7#

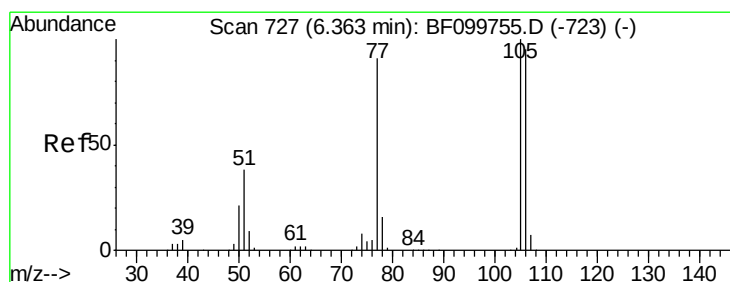
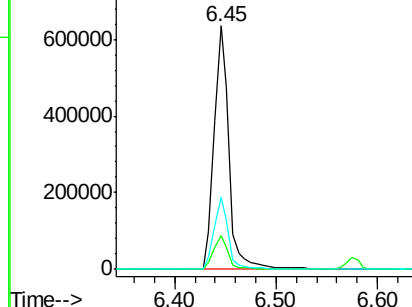
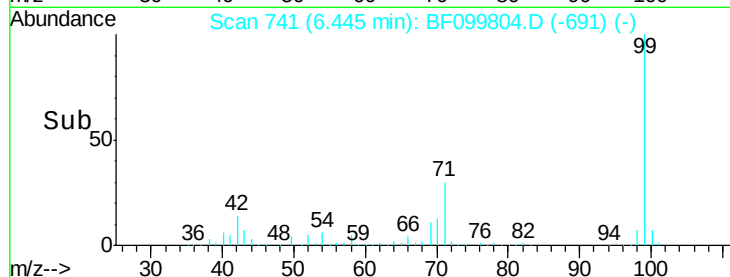
71 29.6 25.4 38.0



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: 2.45 ng

RT: 6.57 min Scan# 763

Delta R.T. 0.21 min

Lab File: BF099804.D

Acq: 24 Oct 2017 22:46

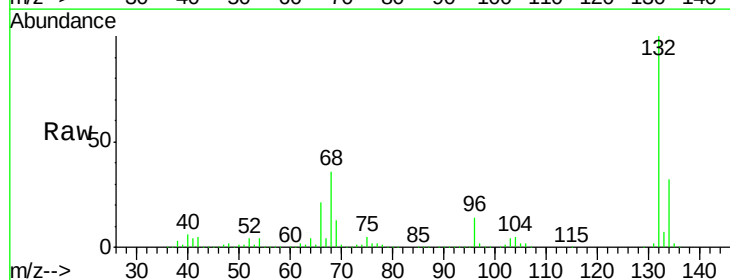
Tgt Ion: 77 Resp: 9984

Ion Ratio Lower Upper

77 100

105 88.2 81.1 121.1

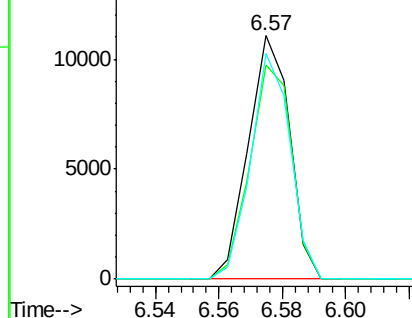
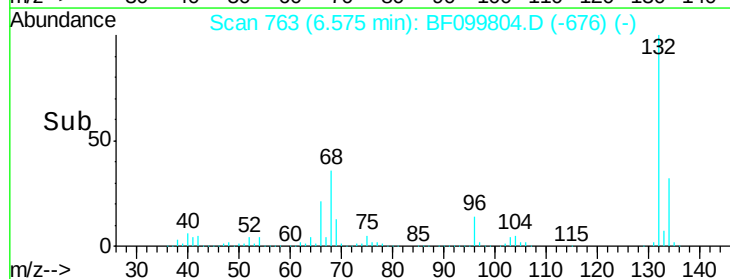
106 92.6 74.5 114.5

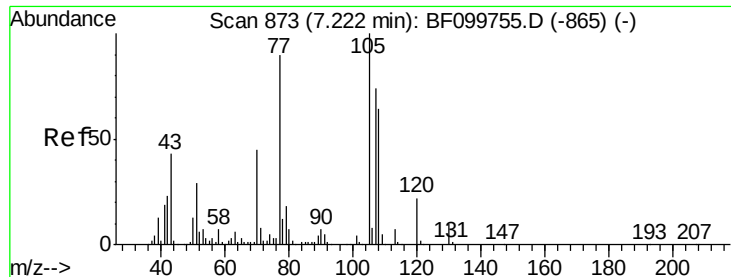


Abundance Ion 77.00 (76.70 to 77.70): BF0

Ion 105.00 (104.70 to 105.70): E

Ion 106.00 (105.70 to 106.70): E

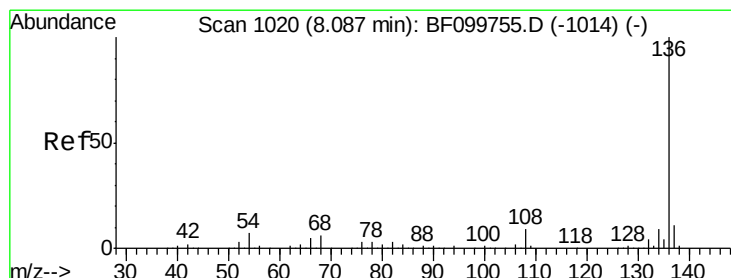
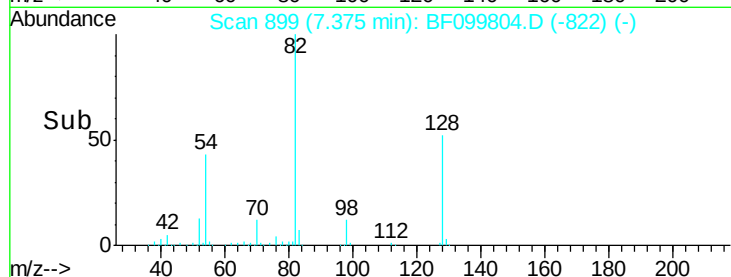
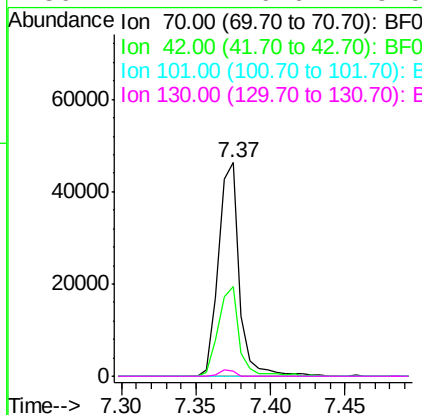
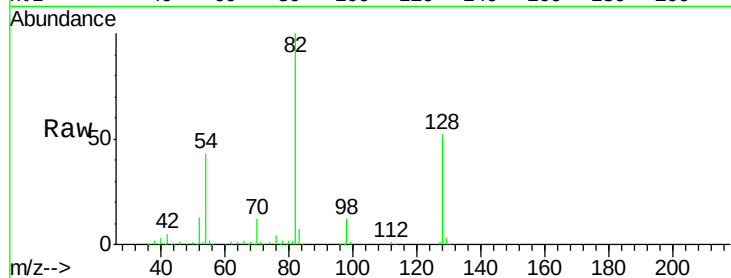




#19
n-Nitroso-di-n-propylamine
Concen: 11.49 ng
RT: 7.37 min Scan# 899
Delta R.T. 0.15 min
Lab File: BF099804.D
Acq: 24 Oct 2017 22:46

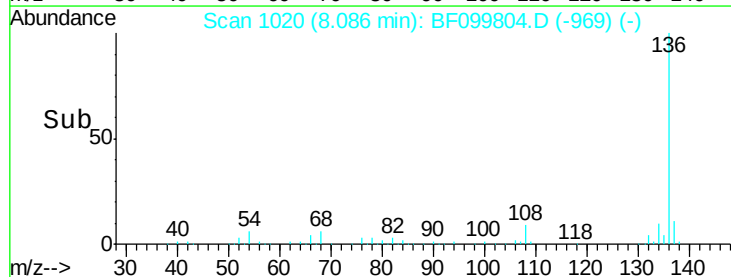
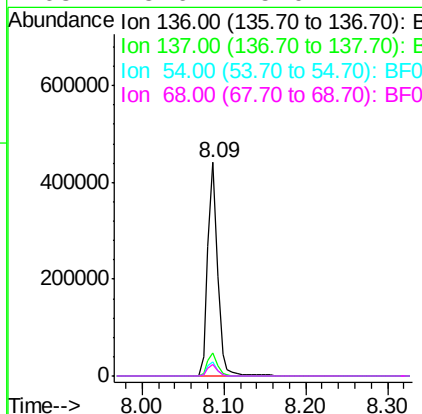
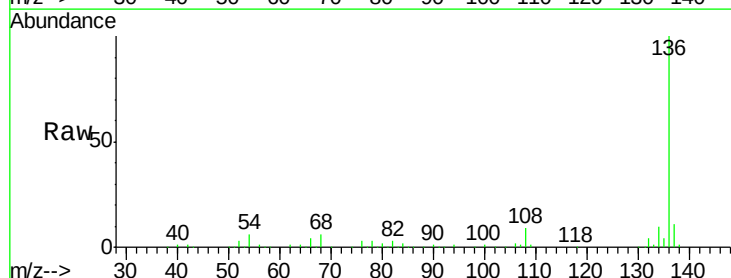
Instrument :
BNA_F
ClientSampleId :

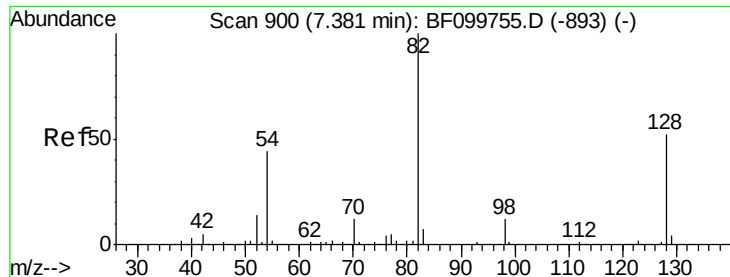
Tot Ion: 70 Resp: 45838
Ion Ratio Lower Upper
70 100
42 41.8 47.5 71.3#
101 0.0 7.4 11.2#
130 2.1 16.6 25.0#



#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.09 min Scan# 1020
Delta R.T. -0.00 min
Lab File: BF099804.D
Acq: 24 Oct 2017 22:46

Tgt Ion: 136 Resp: 371828
Ion Ratio Lower Upper
136 100
137 11.0 8.9 13.3
54 6.5 6.6 9.8#
68 5.6 5.0 7.4

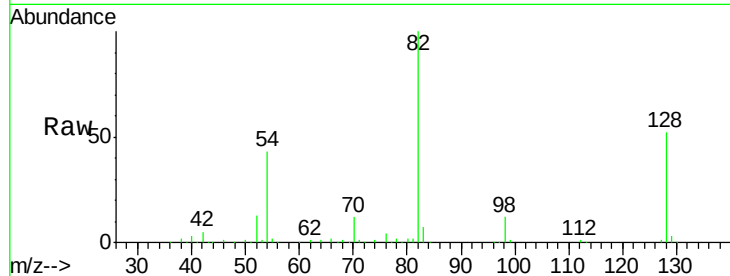




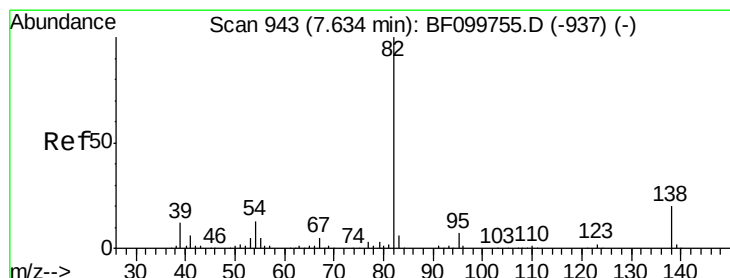
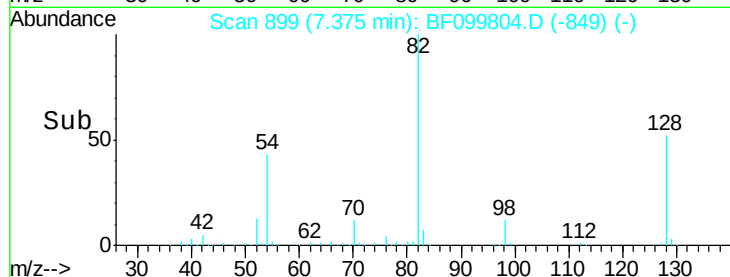
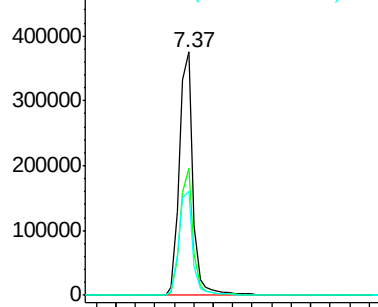
#23
Nitrobenzene-d5
Concen: 63.31 ng
RT: 7.37 min Scan# 899
Delta R.T. -0.01 min
Lab File: BF099804.D
Acq: 24 Oct 2017 22:46

Instrument :
BNA_F
ClientSampleId :

Tot Ion: 82 Resp: 365666
Ion Ratio Lower Upper
82 100
128 52.5 36.1 54.1
54 42.9 41.4 62.2

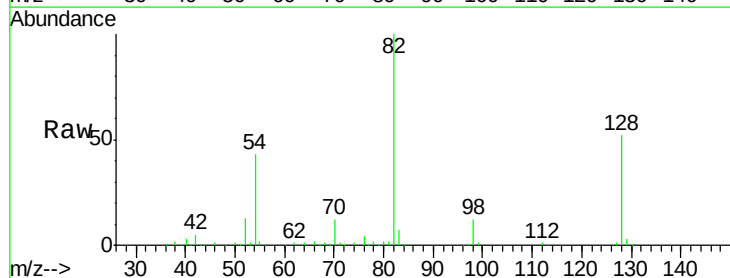


Abundance Ion 82.00 (81.70 to 82.70): BF0
Ion 128.00 (127.70 to 128.70): BF0
Ion 54.00 (53.70 to 54.70): BF0

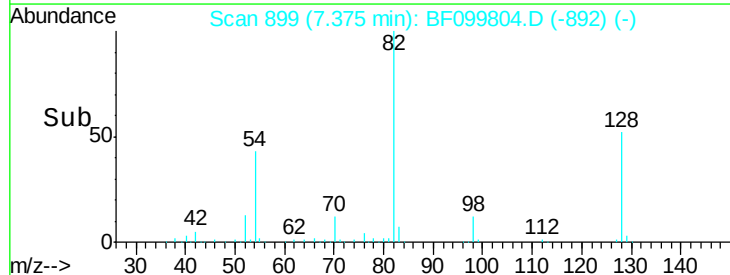
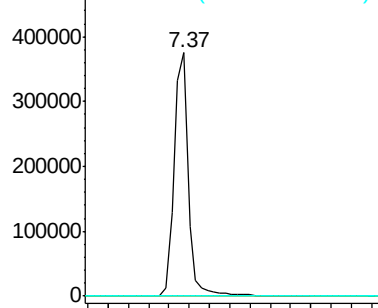


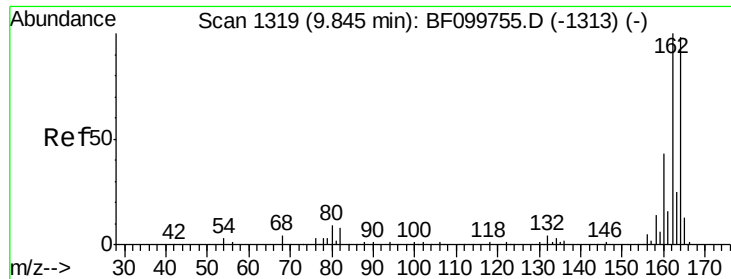
#25
Isophorone
Concen: 34.89 ng
RT: 7.37 min Scan# 899
Delta R.T. -0.26 min
Lab File: BF099804.D
Acq: 24 Oct 2017 22:46

Tgt Ion: 82 Resp: 365663
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

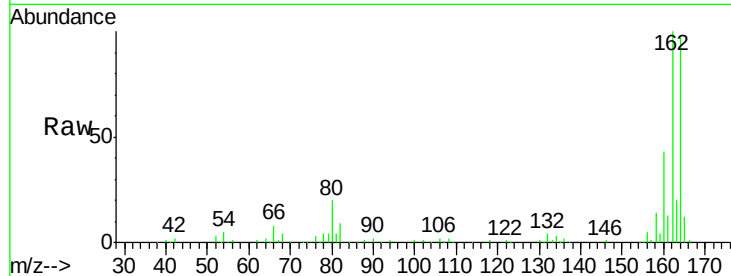




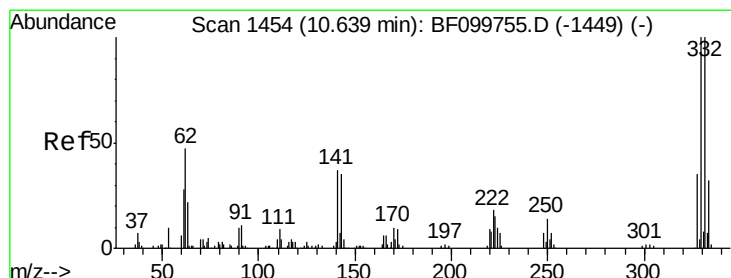
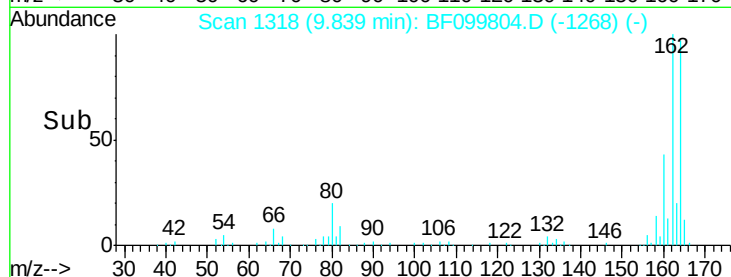
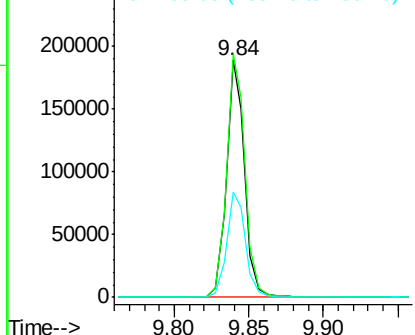
#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.84 min Scan# 1318
Delta R.T. -0.01 min
Lab File: BF099804.D
Acq: 24 Oct 2017 22:46

Instrument :
BNA_F
ClientSampleId :

Tot Ion:164 Resp: 162073
Ion Ratio Lower Upper
164 100
162 102.8 86.1 129.1
160 44.5 38.3 57.5

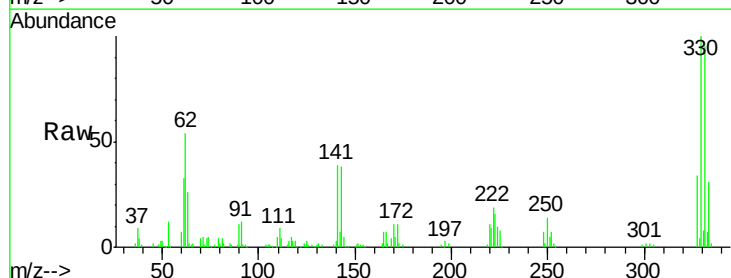


Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

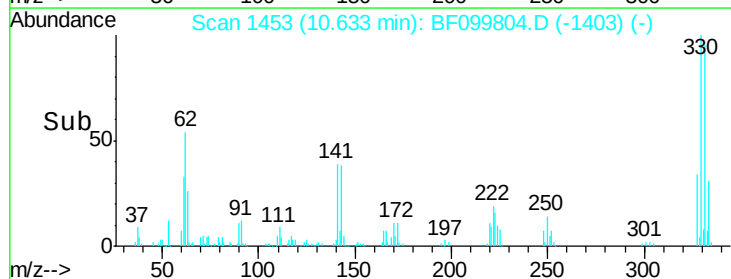
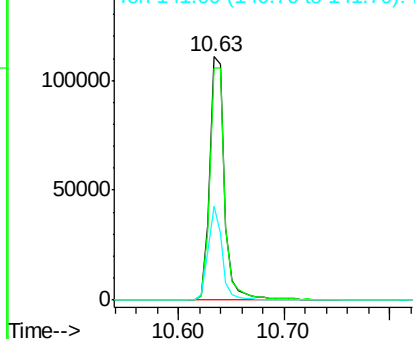


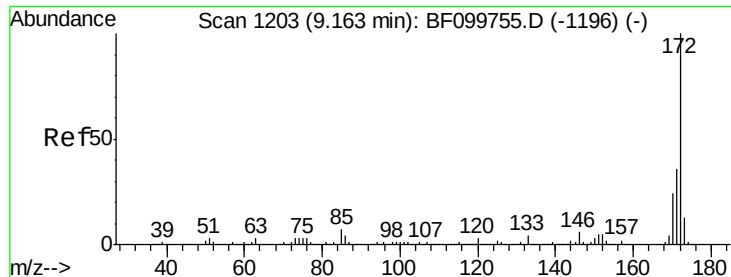
#41
2,4,6-Tribromophenol
Concen: 74.77 ng
RT: 10.63 min Scan# 1453
Delta R.T. -0.01 min
Lab File: BF099804.D
Acq: 24 Oct 2017 22:46

Tgt Ion:330 Resp: 110438
Ion Ratio Lower Upper
330 100
332 96.6 77.0 115.6
141 35.5 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

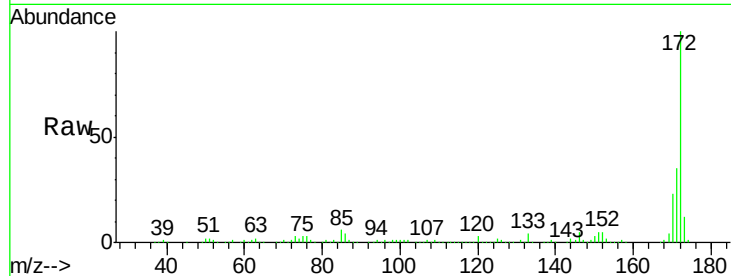




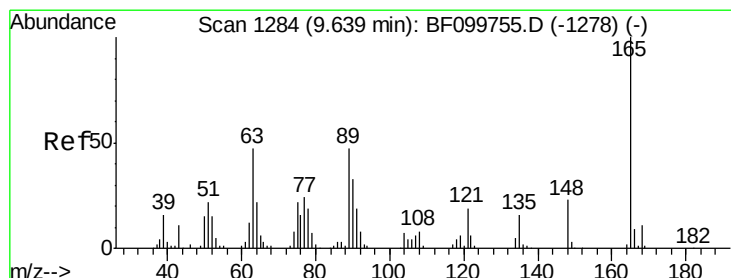
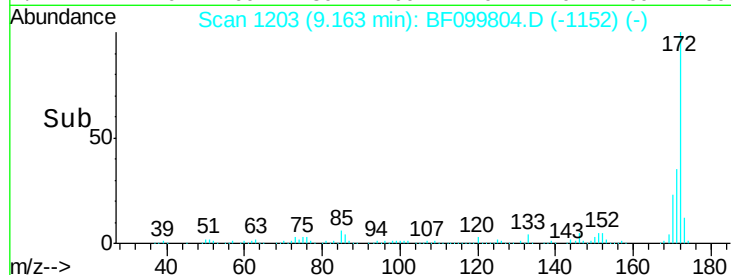
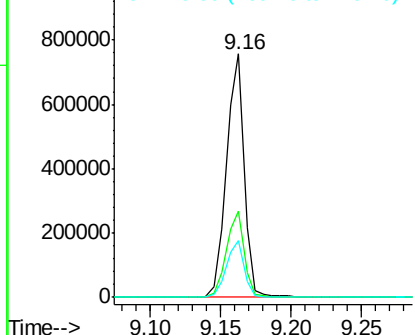
#44
2-Fluorobiphenyl
Concen: 63.12 ng
RT: 9.16 min Scan# 1203
Delta R.T. 0.00 min
Lab File: BF099804.D
Acq: 24 Oct 2017 22:46

Instrument :
BNA_F
ClientSampled :

Tot Ion	Ratio	Lower	Upper
172	100		
171	35.1	29.7	44.5
170	23.2	19.6	29.4

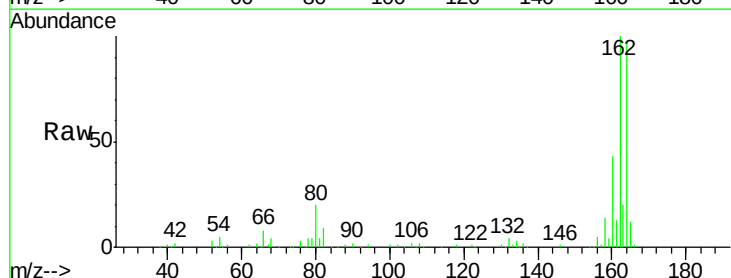


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

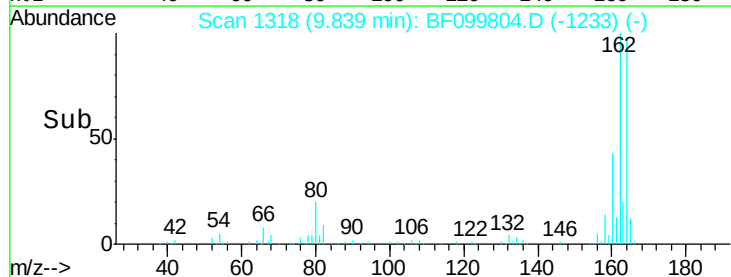
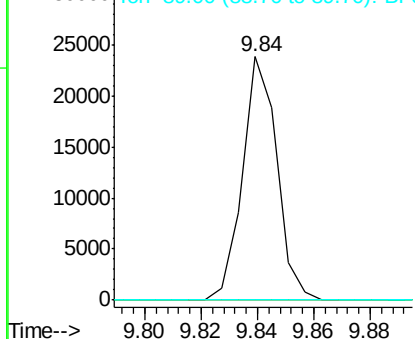


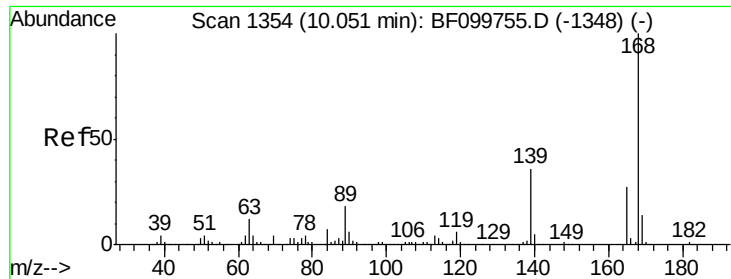
#50
2,6-Dinitrotoluene
Concen: 7.45 ng
RT: 9.84 min Scan# 1318
Delta R.T. 0.20 min
Lab File: BF099804.D
Acq: 24 Oct 2017 22:46

Tgt 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

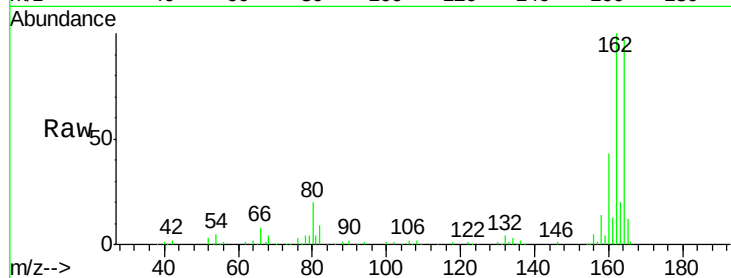




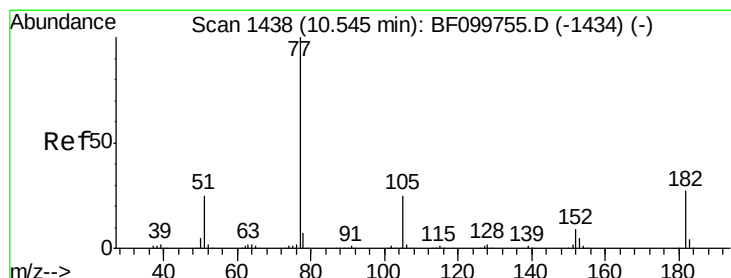
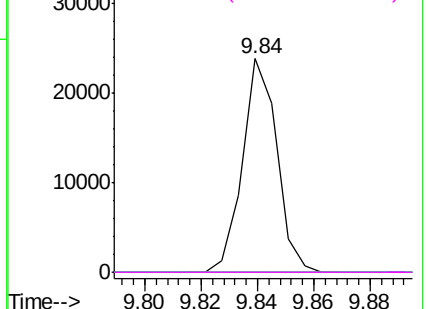
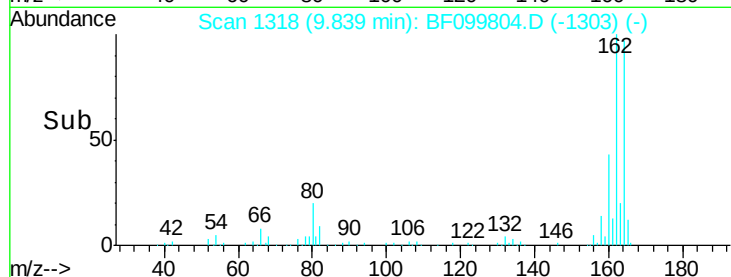
#56
 2,4-Dinitrotoluene
 Concen: 6.18 ng
 RT: 9.84 min Scan# 1318
 Delta R.T. -0.21 min
 Lab File: BF099804.D
 Acq: 24 Oct 2017 22:46

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:165 Resp: 20095
 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#

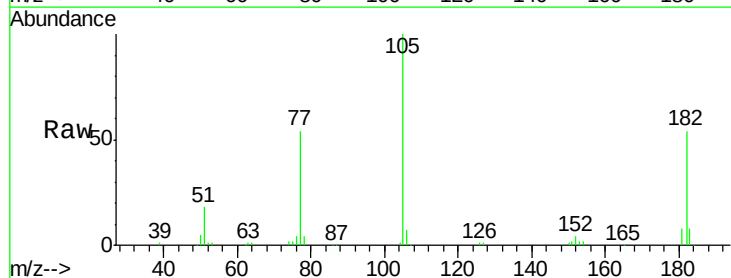


Abundance Ion 165.00 (164.70 to 165.70): E

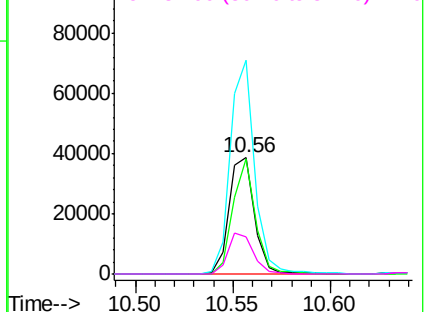
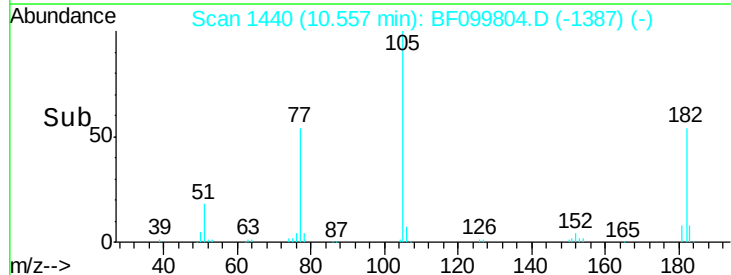


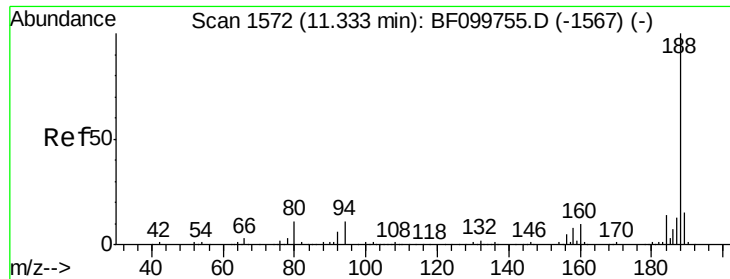
#62
 Azobenzene
 Concen: 3.32 ng
 RT: 10.56 min Scan# 1440
 Delta R.T. 0.01 min
 Lab File: BF099804.D
 Acq: 24 Oct 2017 22:46

Tgt Ion: 77 Resp: 34834
 Ion Ratio Lower Upper
 77 100
 182 98.9 1.7 41.7#
 105 184.1 3.0 43.0#
 51 32.3 9.9 49.9



Abundance Ion 77.00 (76.70 to 77.70): BF0

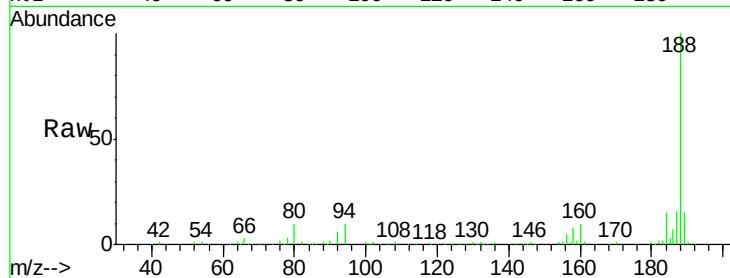




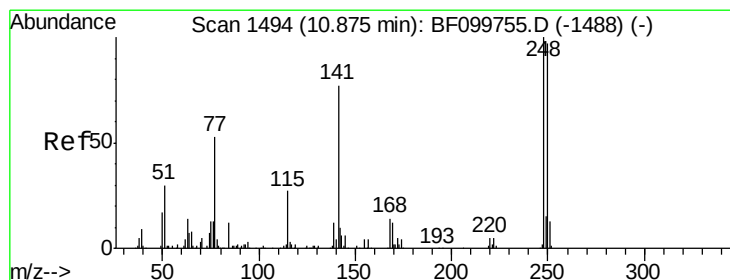
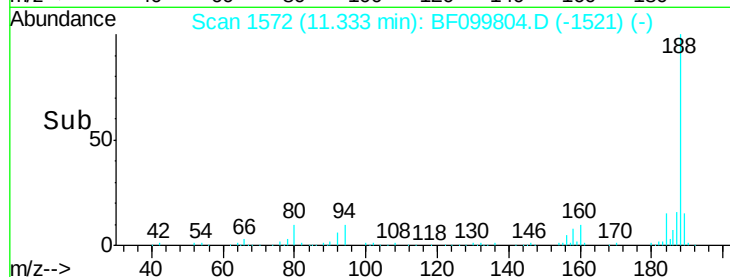
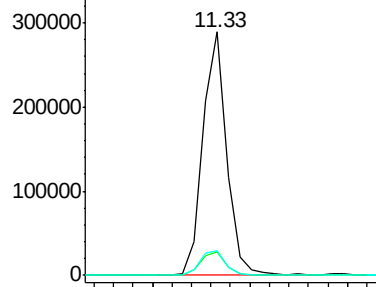
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.33 min Scan# 1572
Delta R.T. -0.00 min
Lab File: BF099804.D
Acq: 24 Oct 2017 22:46

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
188	100		
94	9.8	8.5	12.7
80	10.4	9.2	13.8

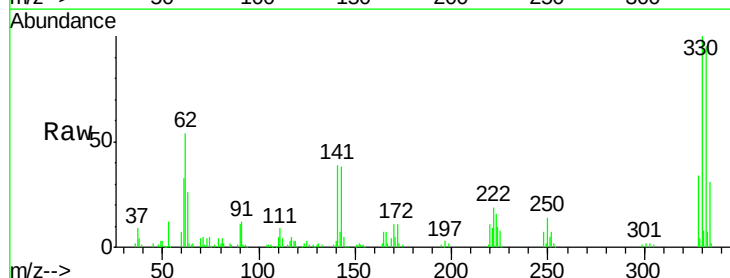


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF0
Ion 80.00 (79.70 to 80.70): BF0

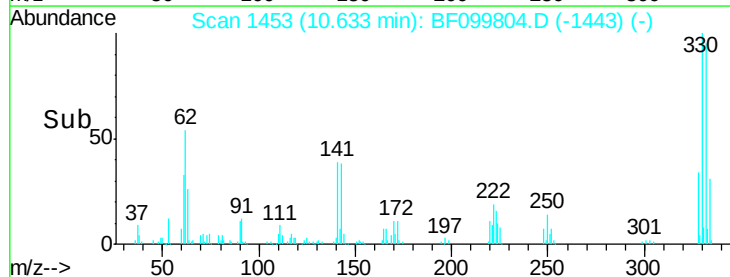
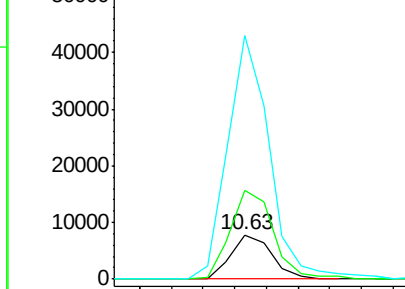


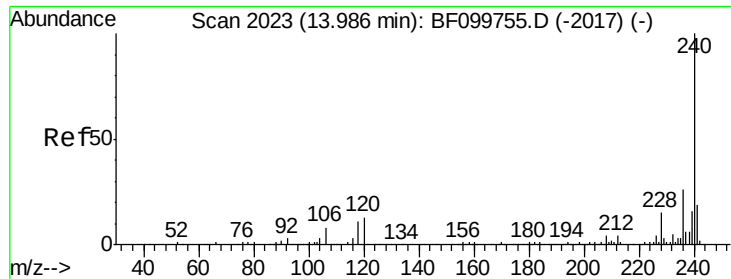
#66
4-Bromophenyl-phenylether
Concen: 2.71 ng
RT: 10.63 min Scan# 1453
Delta R.T. -0.24 min
Lab File: BF099804.D
Acq: 24 Oct 2017 22:46

Tgt Ion	Ratio	Lower	Upper
248	100		
250	199.9	76.9	115.3#
141	550.4	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

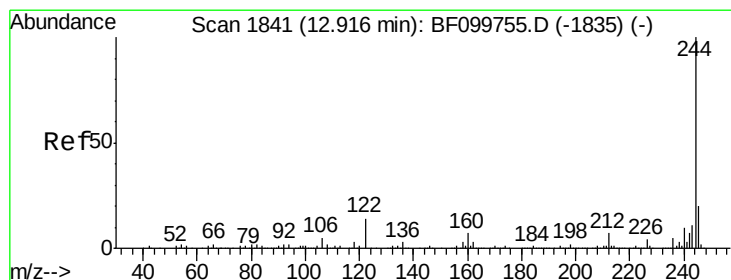
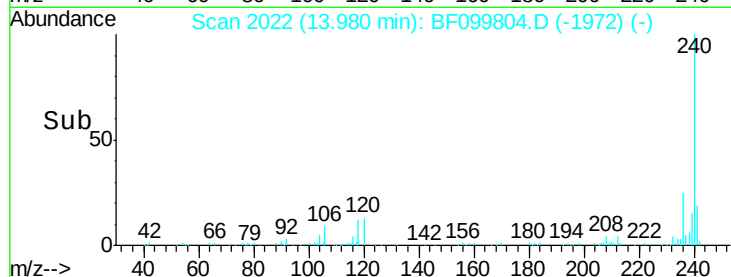
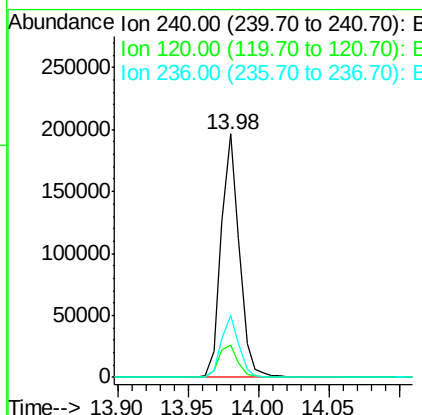
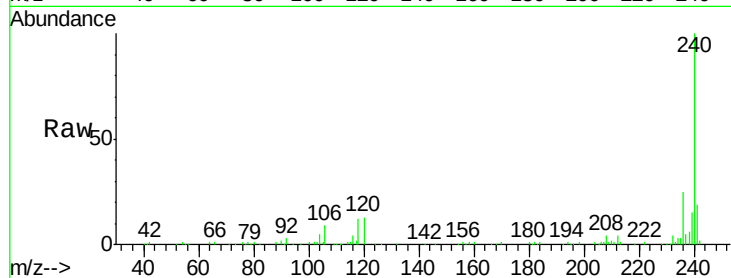




#75
 Chrysene-d12
 Concen: 20.00 ng
 RT: 13.98 min Scan# 2022
 Delta R.T. -0.01 min
 Lab File: BF099804.D
 Acq: 24 Oct 2017 22:46

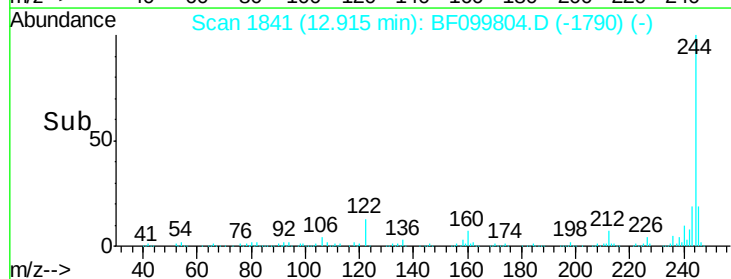
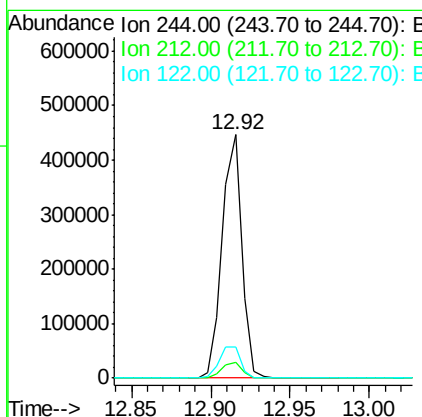
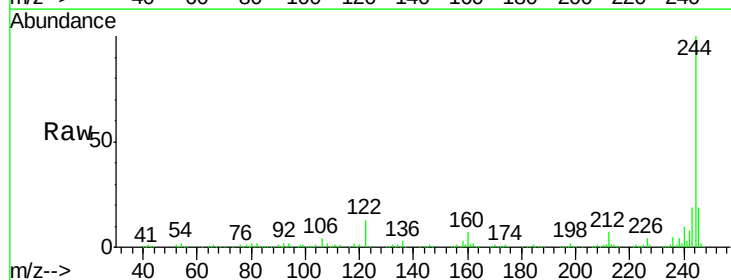
Instrument :
 BNA_F
 ClientSampled :

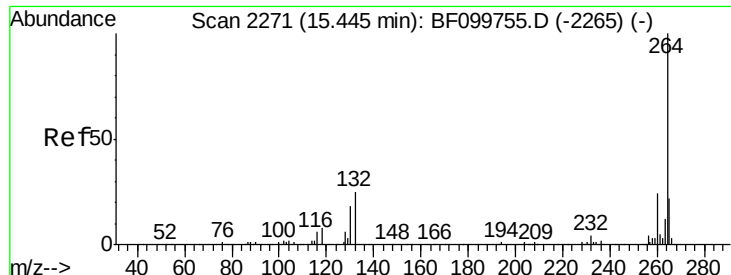
Tot Ion:240 Resp: 175619
 Ion Ratio Lower Upper
 240 100
 120 13.4 9.5 14.3
 236 25.3 20.7 31.1



#78
 Terphenyl-d14
 Concen: 47.98 ng
 RT: 12.92 min Scan# 1841
 Delta R.T. -0.00 min
 Lab File: BF099804.D
 Acq: 24 Oct 2017 22:46

Tgt Ion:244 Resp: 385585
 Ion Ratio Lower Upper
 244 100
 212 6.6 5.4 8.0
 122 12.6 11.0 16.4

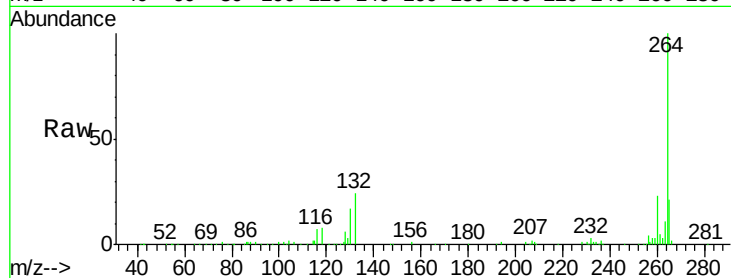




#86
Pervlene-d12
Concen: 20.00 ng
RT: 15.44 min Scan# 2271
Delta R.T. -0.00 min
Lab File: BF099804.D
Acq: 24 Oct 2017 22:46

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
264	100		
260	22.5	19.2	28.8
265	21.2	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

