

Data Path : Z:\HPCHEM1\BNA F\DATA\BF102017\
 Data File : BF099694.D
 Acq On : 20 Oct 2017 12:11
 Operator : SJ/JU
 Sample : I5952-01
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Oct 20 17:54:35 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF092317.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Oct 20 13:11:43 2017
 Response via : Initial Calibration

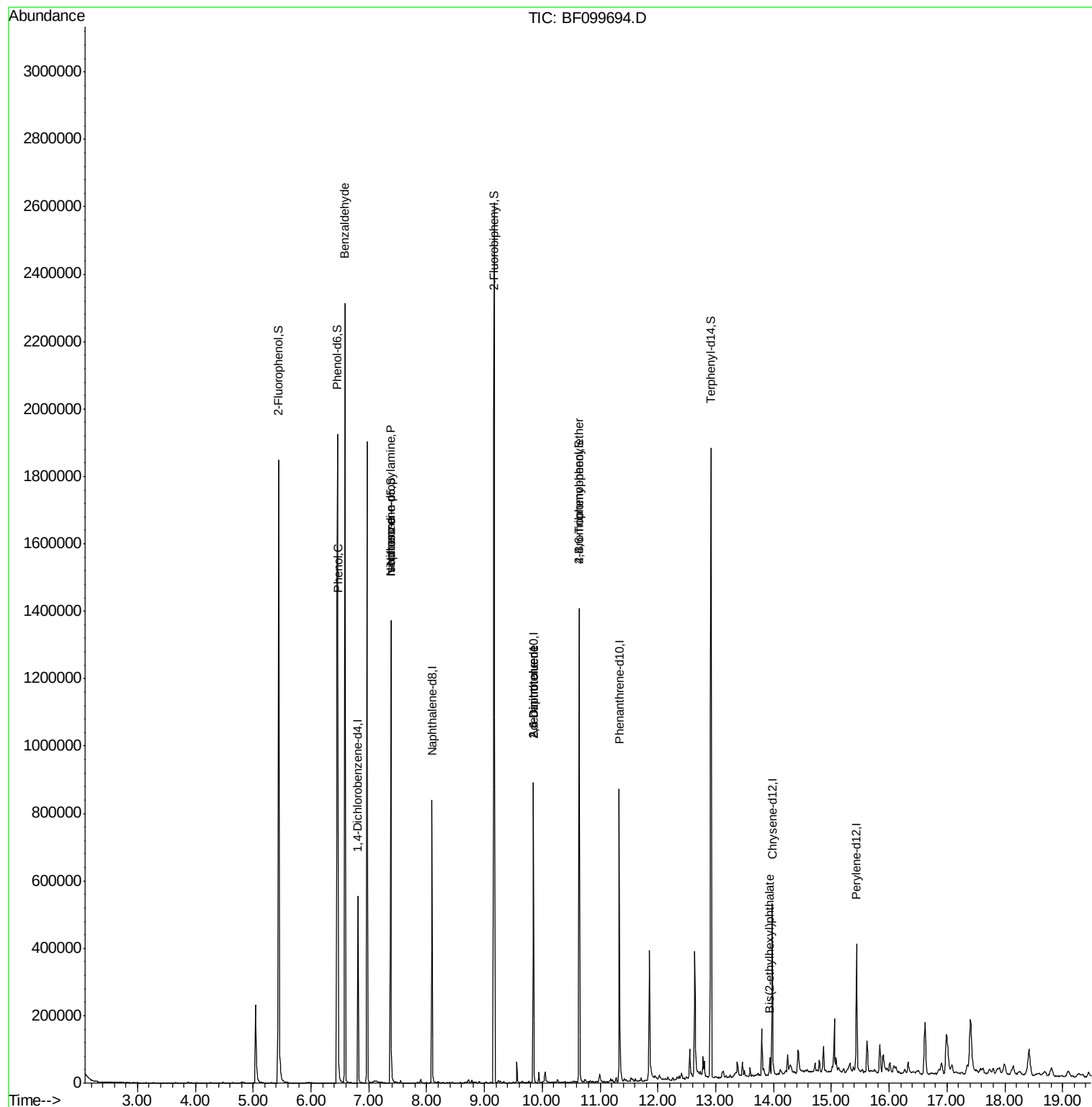
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.82	152	91408	20.00	ng	0.00
21) Naphthalene-d8	8.09	136	384944	20.00	ng	-0.01
38) Acenaphthene-d10	9.85	164	175773	20.00	ng	-0.01
63) Phenanthrene-d10	11.33	188	296650	20.00	ng	-0.01
75) Chrysene-d12	13.98	240	169193	20.00	ng	0.00
86) Perylene-d12	15.44	264	157985	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.45	112	660196	114.98	ng	0.00
7) Phenol-d6	6.46	99	806726	113.89	ng	0.00
23) Nitrobenzene-d5	7.38	82	482020	80.30	ng	-0.01
41) 2,4,6-Tribromophenol	10.64	330	171291	119.09	ng	-0.01
44) 2-Fluorobiphenyl	9.17	172	873149	82.93	ng	0.00
78) Terphenyl-d14	12.92	244	634209	85.25	ng	0.00
Target Compounds						
9) Benzaldehyde	6.59	77	12205	2.970	ng	90
10) Phenol	6.47	94	45534	5.748	ng	95
19) n-Nitroso-di-n-propylamine	7.38	70	60249	13.322	ng	# 71
25) Isophorone	7.38	82	482020	38.840	ng	# 64
50) 2,6-Dinitrotoluene	9.85	165	22381	7.749	ng	# 24
56) 2,4-Dinitrotoluene	9.85	165	22381	5.971	ng	# 22
66) 4-Bromophenyl-phenylether	10.64	248	11253	3.875	ng	# 1
83) Bis(2-ethylhexyl)phthalate	13.94	149	16966	2.032	ng	97

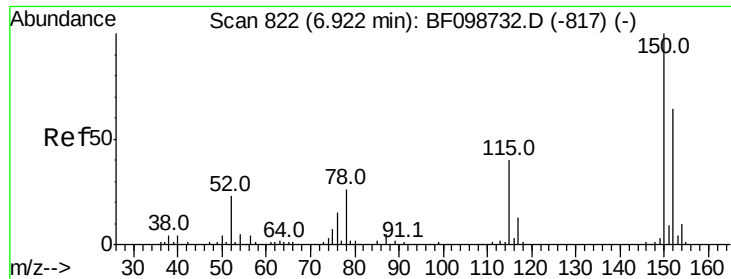
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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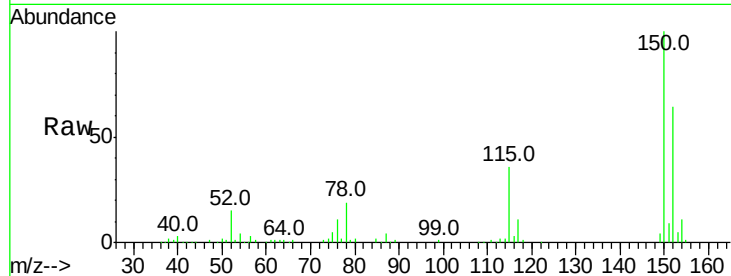


#1

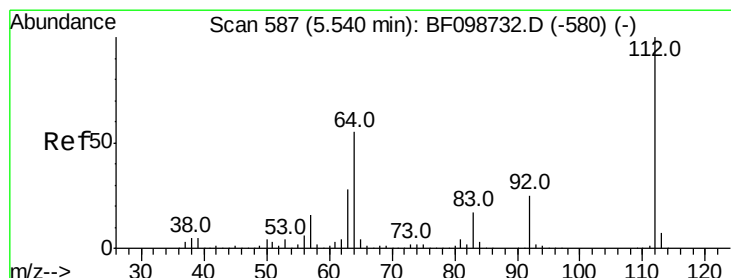
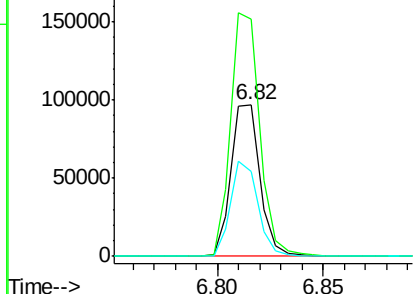
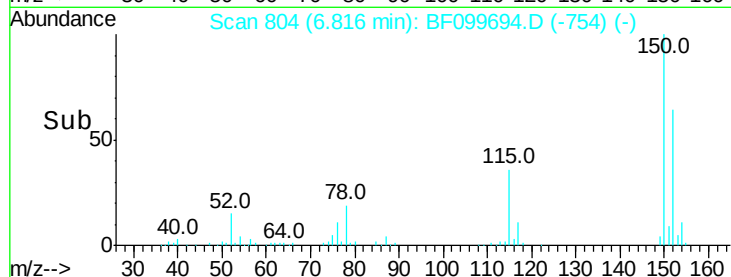
1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.82 min Scan# 804
 Delta R.T. -0.01 min
 Lab File: BF099694.D
 Acq: 20 Oct 2017 12:11

Instrument :
 BNA_F
 ClientSampled :

Tot Ion:152 Resp: 91408
 Ion Ratio Lower Upper
 152 100
 150 156.8 124.6 186.8
 115 56.1 50.1 75.1



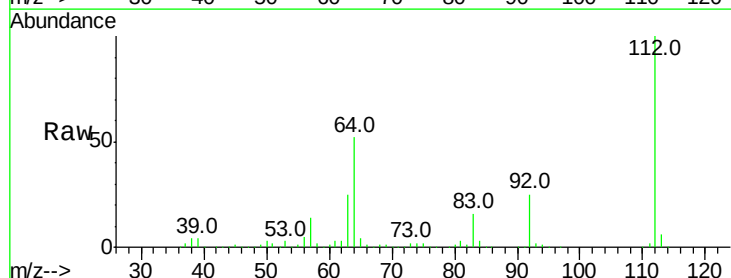
Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E



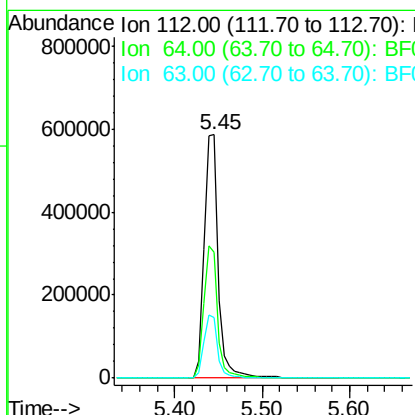
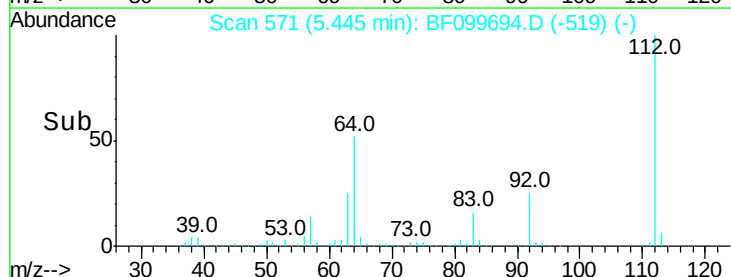
#5

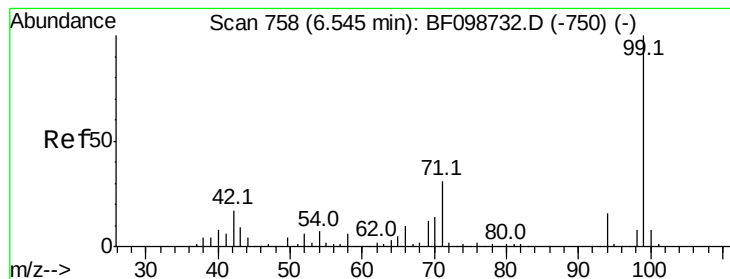
2-Fluorophenol
 Concen: 114.975 ng
 RT: 5.45 min Scan# 571
 Delta R.T. 0.01 min
 Lab File: BF099694.D
 Acq: 20 Oct 2017 12:11

Tgt Ion:112 Resp: 660196
 Ion Ratio Lower Upper
 112 100
 64 51.7 47.9 71.9
 63 24.8 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: 113.888 ng

RT: 6.46 min Scan# 743

Delta R.T. -0.01 min

Lab File: BF099694.D

Acq: 20 Oct 2017 12:11

Instrument :

BNA_F

ClientSampled :

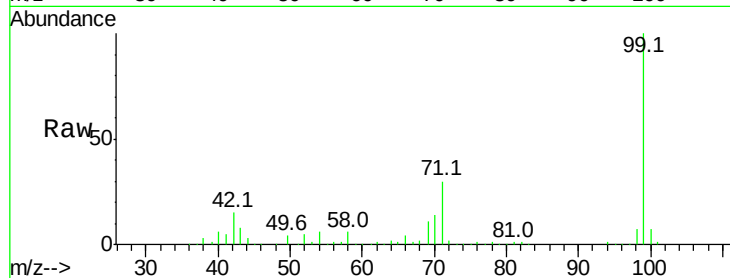
Tot Ion: 99 Resp: 806726

Ion Ratio Lower Upper

99 100

42 14.8 14.5 21.7

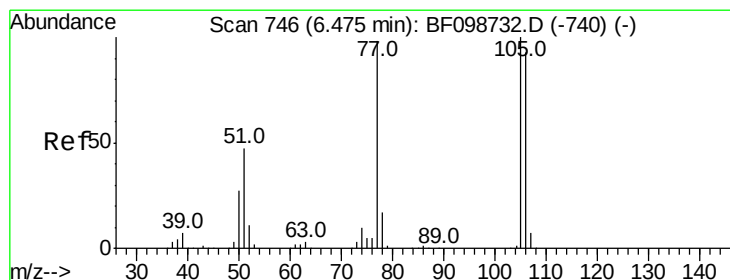
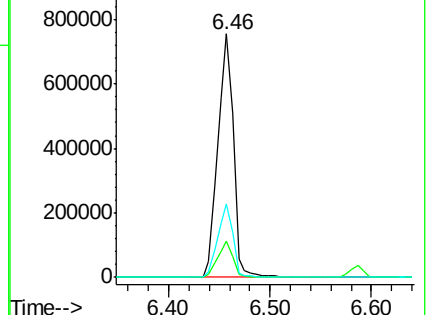
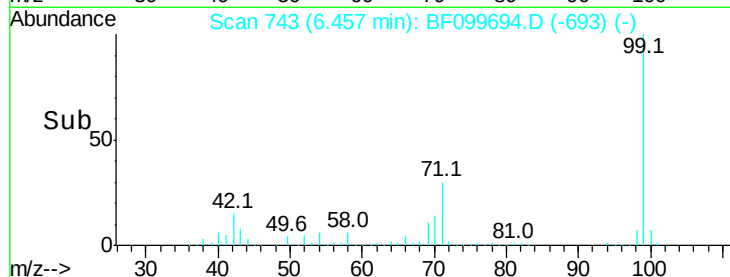
71 30.0 25.4 38.0



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: 2.970 ng

RT: 6.59 min Scan# 765

Delta R.T. 0.21 min

Lab File: BF099694.D

Acq: 20 Oct 2017 12:11

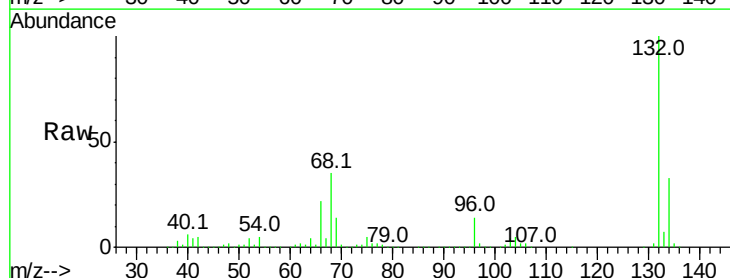
Tgt Ion: 77 Resp: 12205

Ion Ratio Lower Upper

77 100

105 86.7 81.1 121.1

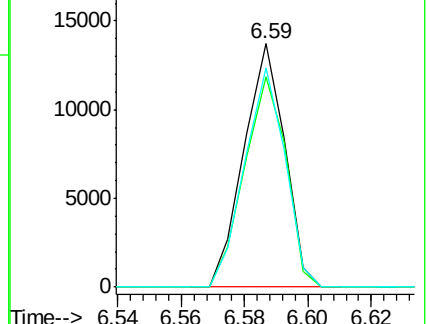
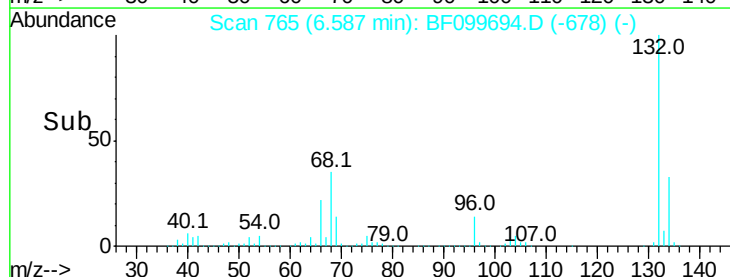
106 90.0 74.5 114.5

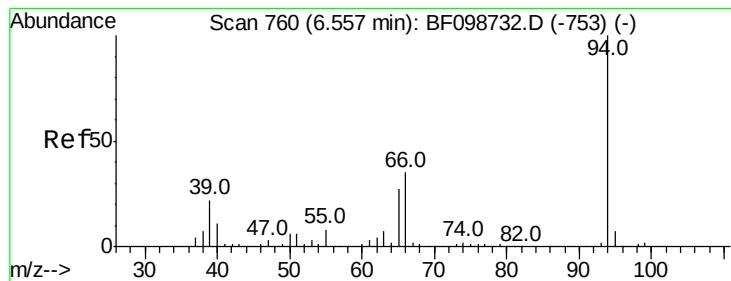


Abundance Ion 77.00 (76.70 to 77.70): BF0

Ion 105.00 (104.70 to 105.70): E

Ion 106.00 (105.70 to 106.70): E





#10

Phenol

Concen: 5.748 ng

RT: 6.47 min Scan# 745

Delta R.T. -0.01 min

Lab File: BF099694.D

Acq: 20 Oct 2017 12:11

Instrument :

BNA_F

ClientSampleId :

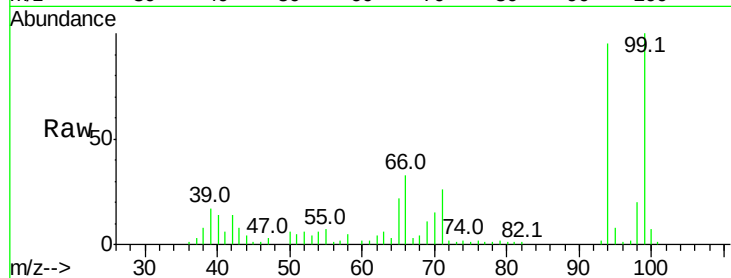
Tot Ion: 94 Resp: 45534

Ion Ratio Lower Upper

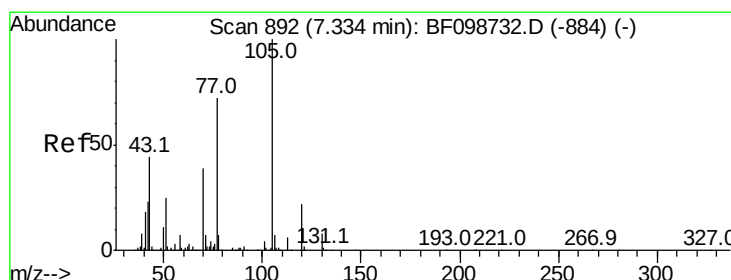
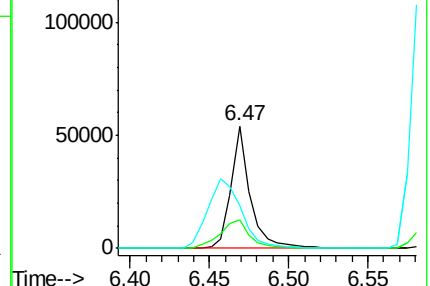
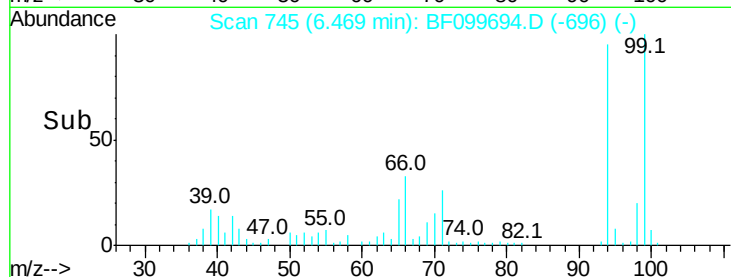
94 100

65 23.0 7.9 47.9

66 34.7 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: 13.322 ng

RT: 7.38 min Scan# 900

Delta R.T. 0.15 min

Lab File: BF099694.D

Acq: 20 Oct 2017 12:11

Tgt Ion: 70 Resp: 60249

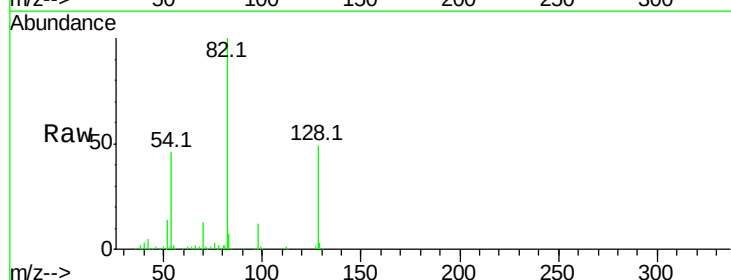
Ion Ratio Lower Upper

70 100

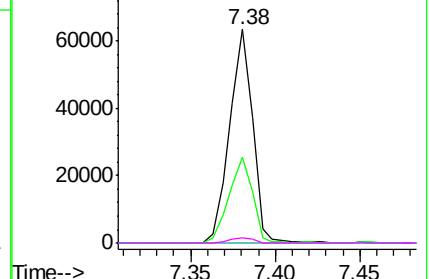
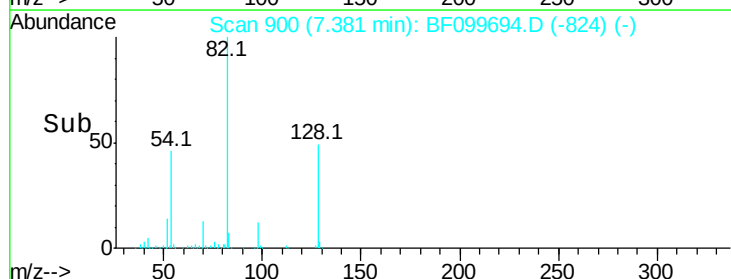
42 40.2 47.5 71.3#

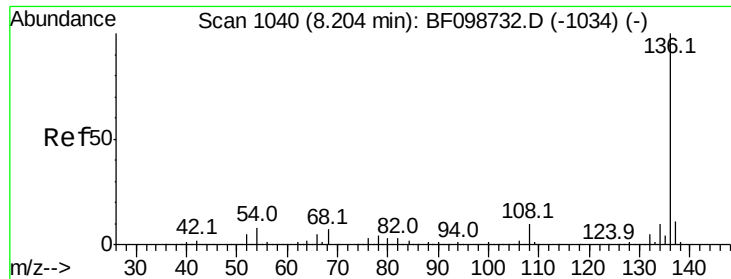
101 0.0 7.4 11.2#

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

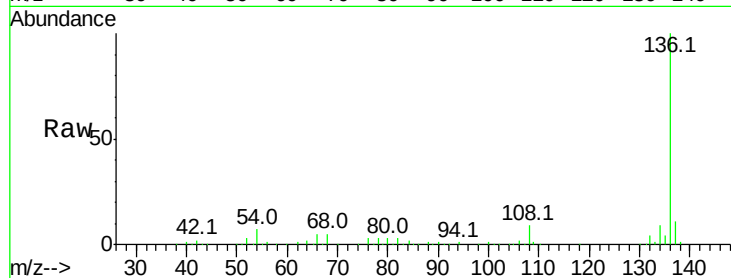




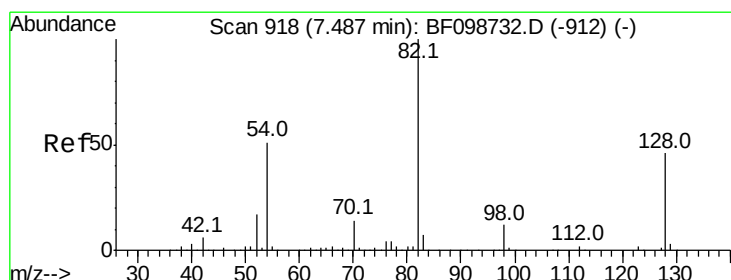
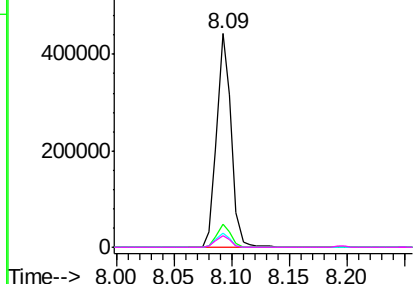
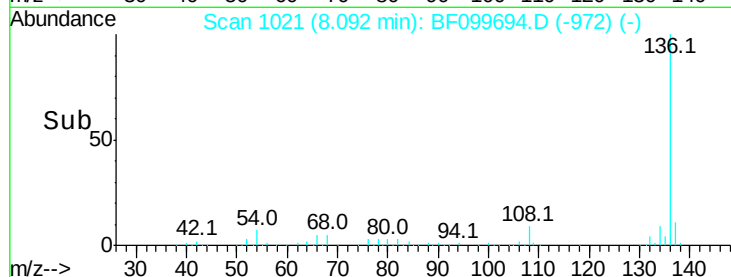
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.09 min Scan# 1021
Delta R.T. -0.01 min
Lab File: BF099694.D
Acq: 20 Oct 2017 12:11

Instrument :
BNA_F
ClientSampleId :

Tot Ion:	136	Resp:	384944
Ion	Ratio	Lower	Upper
136	100		
137	10.8	8.9	13.3
54	6.8	6.6	9.8
68	5.4	5.0	7.4

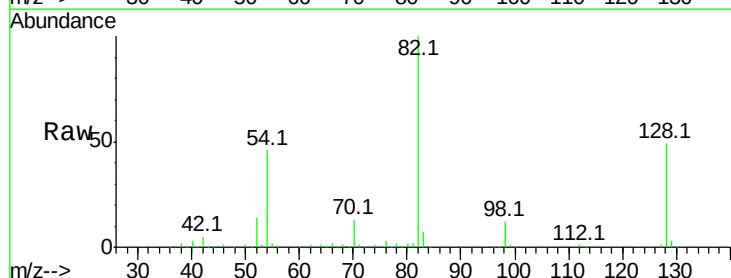


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF0
Ion 68.00 (67.70 to 68.70): BF0

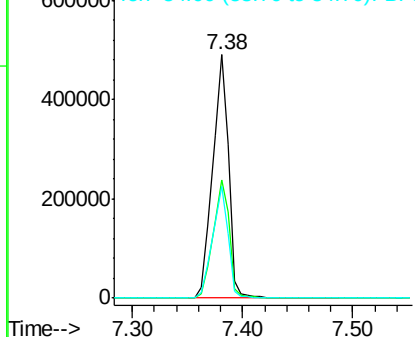
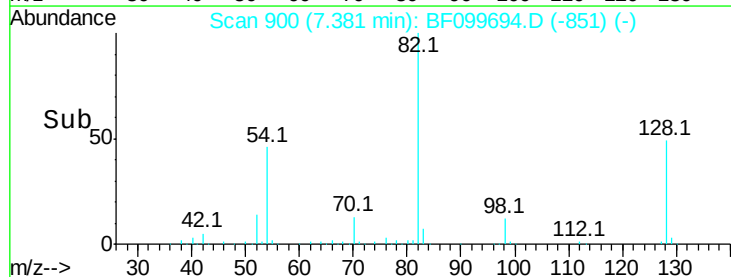


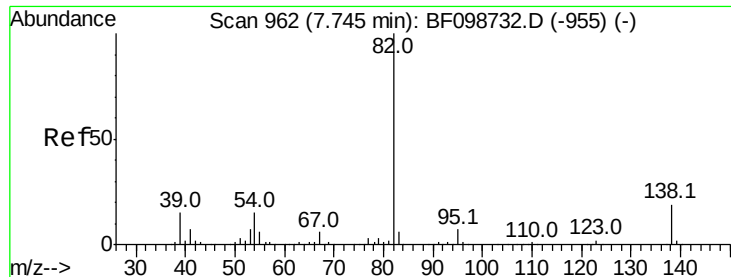
#23
Nitrobenzene-d5
Concen: 80.303 ng
RT: 7.38 min Scan# 900
Delta R.T. -0.01 min
Lab File: BF099694.D
Acq: 20 Oct 2017 12:11

Tgt Ion:	82	Resp:	482020
Ion	Ratio	Lower	Upper
82	100		
128	48.8	36.1	54.1
54	45.8	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: 38.840 ng

RT: 7.38 min Scan# 900

Delta R.T. -0.26 min

Lab File: BF099694.D

Acq: 20 Oct 2017 12:11

Instrument :
BNA_F
ClientSampleId :

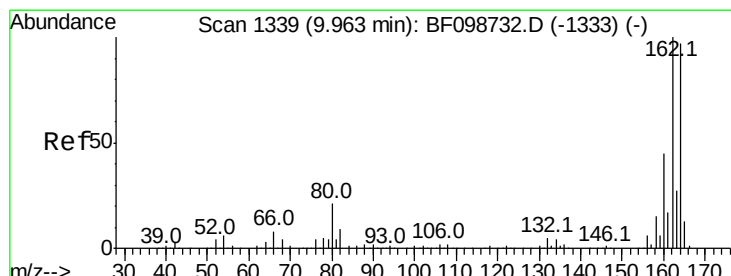
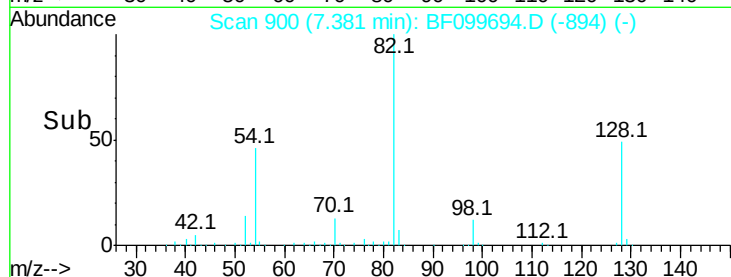
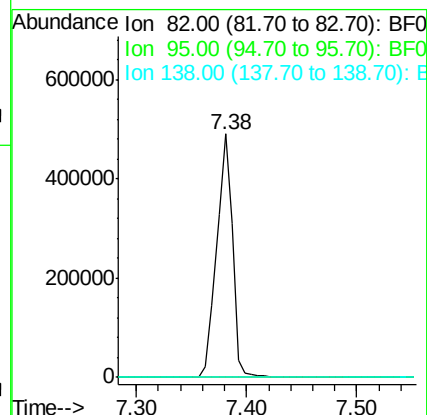
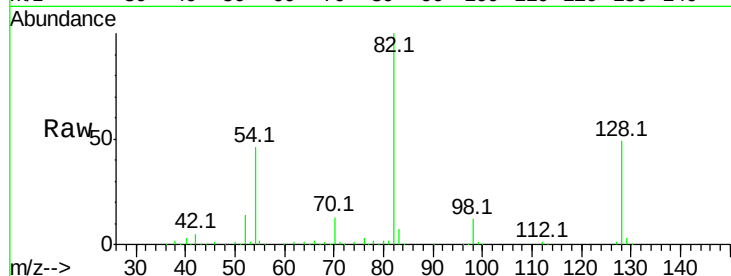
Tot Ion: 82 Resp: 482020

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: 9.85 min Scan# 1319

Delta R.T. -0.01 min

Lab File: BF099694.D

Acq: 20 Oct 2017 12:11

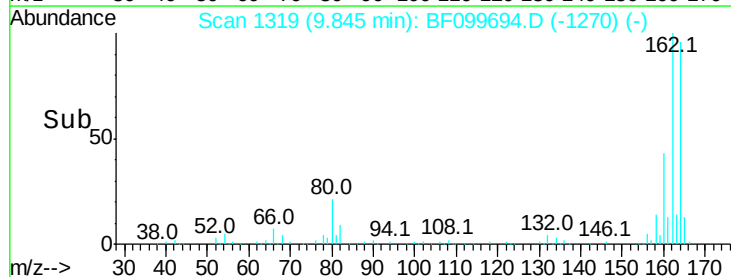
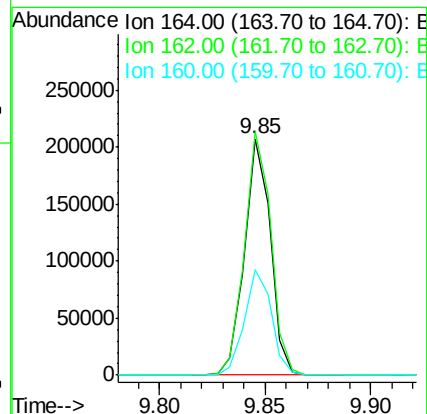
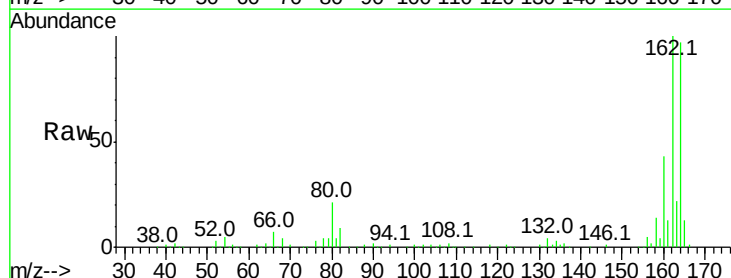
Tgt Ion:164 Resp: 175773

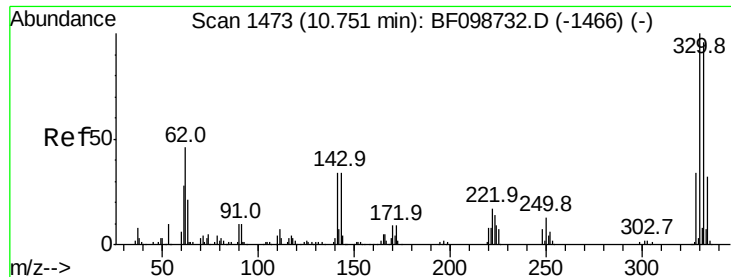
Ion Ratio Lower Upper

164 100

162 102.9 86.1 129.1

160 44.5 38.3 57.5

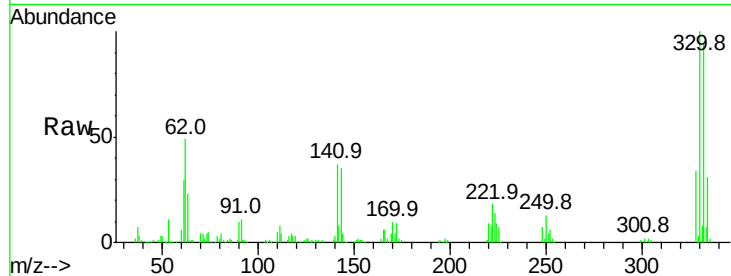




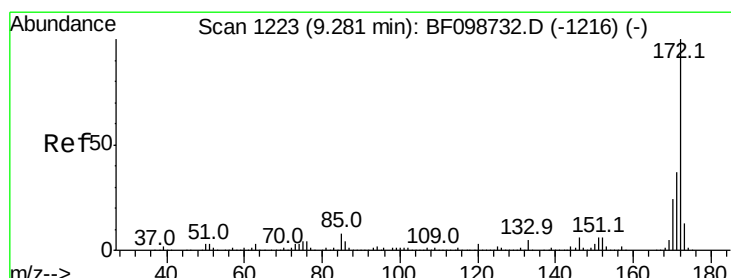
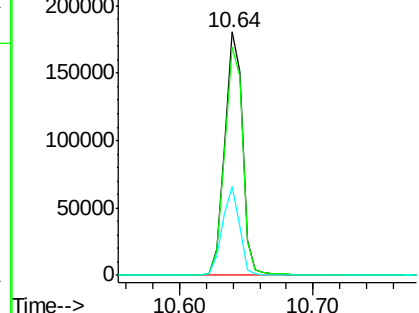
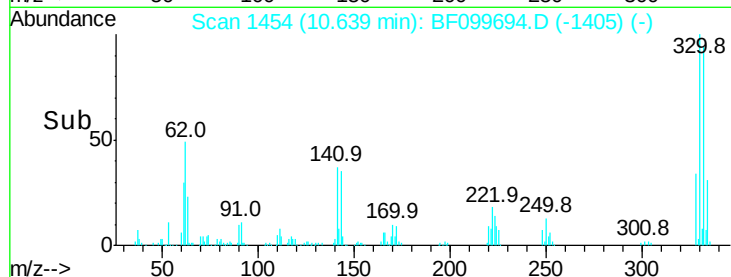
#41
 2,4,6-Tribromophenol
 Concen: 119.093 ng
 RT: 10.64 min Scan# 1454
 Delta R.T. -0.01 min
 Lab File: BF099694.D
 Acq: 20 Oct 2017 12:11

Instrument :
 BNA_F
 ClientSampled :

Tot Ion:330 Resp: 171291
 Ion Ratio Lower Upper
 330 100
 332 95.3 77.0 115.6
 141 35.4 29.9 44.9

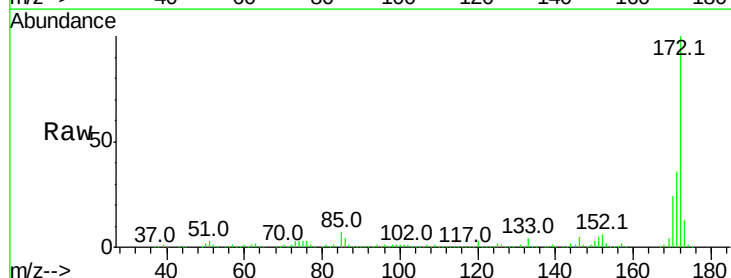


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

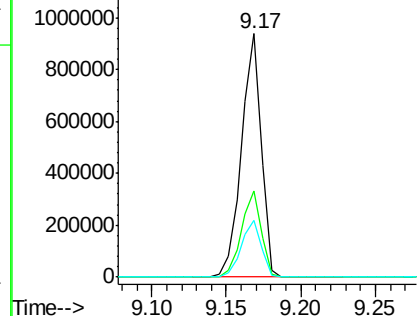
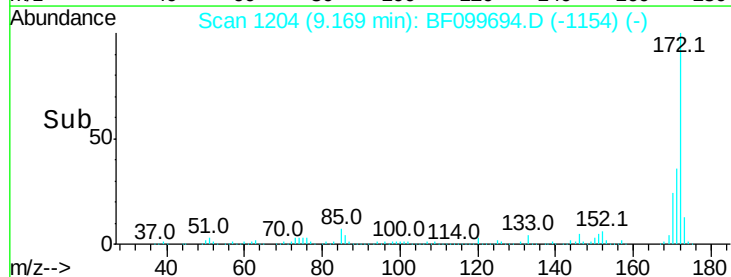


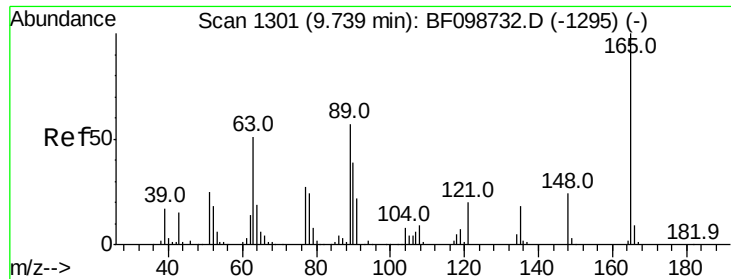
#44
 2-Fluorobiphenyl
 Concen: 82.928 ng
 RT: 9.17 min Scan# 1204
 Delta R.T. -0.01 min
 Lab File: BF099694.D
 Acq: 20 Oct 2017 12:11

Tgt Ion:172 Resp: 873149
 Ion Ratio Lower Upper
 172 100
 171 35.7 29.7 44.5
 170 23.6 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

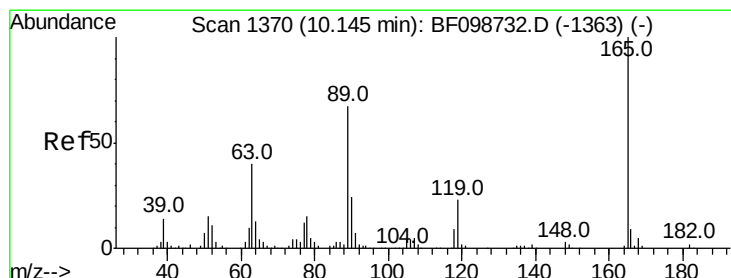
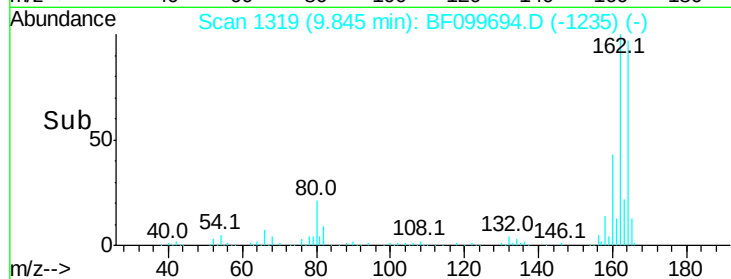
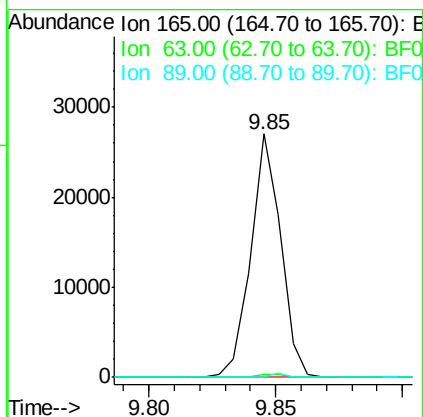
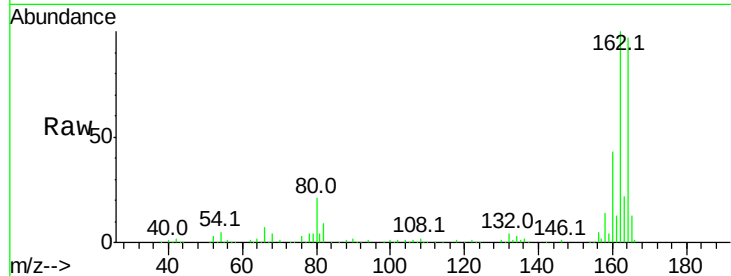




#50
 2,6-Dinitrotoluene
 Concen: 7.749 ng
 RT: 9.85 min Scan# 1319
 Delta R.T. 0.19 min
 Lab File: BF099694.D
 Acq: 20 Oct 2017 12:11

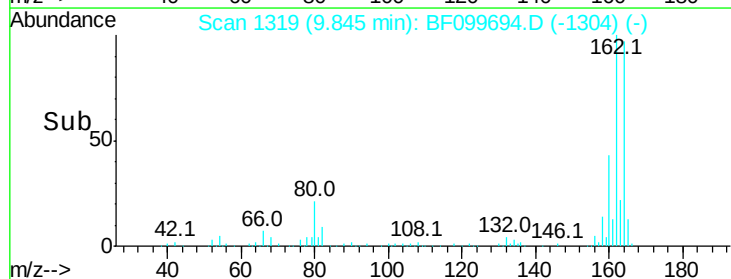
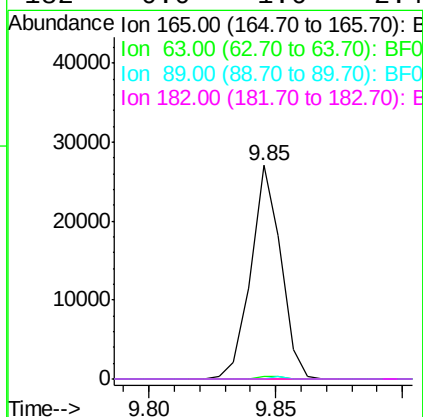
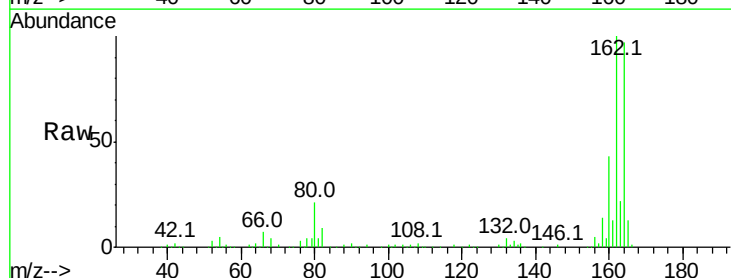
Instrument :
 BNA_F
 ClientSampleId :

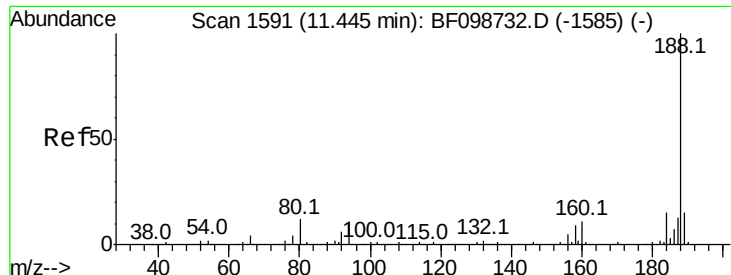
Tot Ion	Ratio	Lower	Upper
165	100		
63	1.1	44.7	67.1#
89	0.0	44.0	66.0#



#56
 2,4-Dinitrotoluene
 Concen: 5.971 ng
 RT: 9.85 min Scan# 1319
 Delta R.T. -0.21 min
 Lab File: BF099694.D
 Acq: 20 Oct 2017 12:11

Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.1	36.4	54.6#
89	0.0	57.8	86.6#
182	0.0	1.6	2.4#

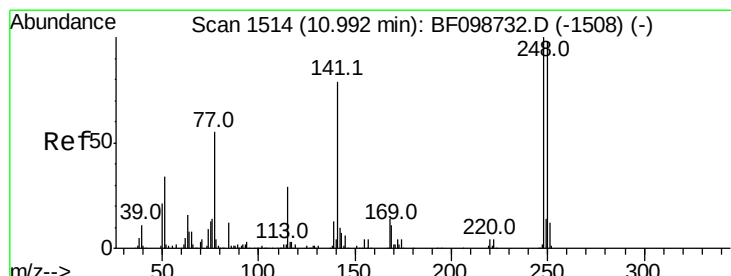
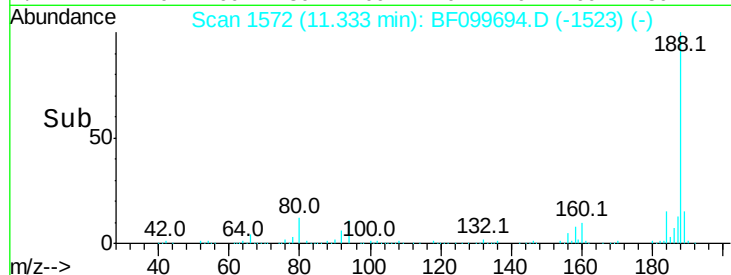
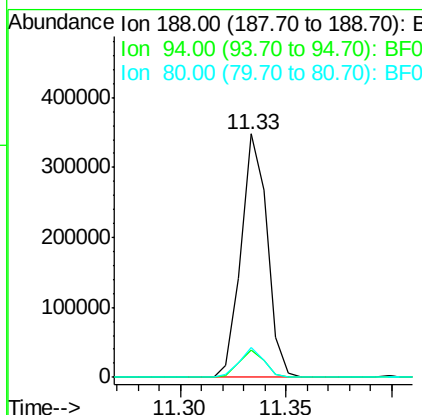
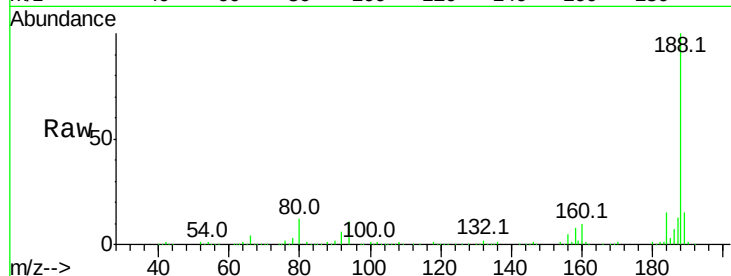




#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.33 min Scan# 1572
 Delta R.T. -0.01 min
 Lab File: BF099694.D
 Acq: 20 Oct 2017 12:11

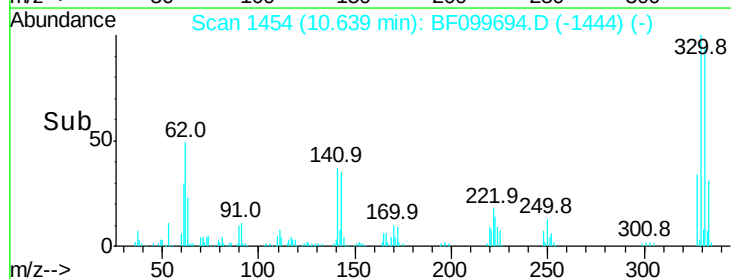
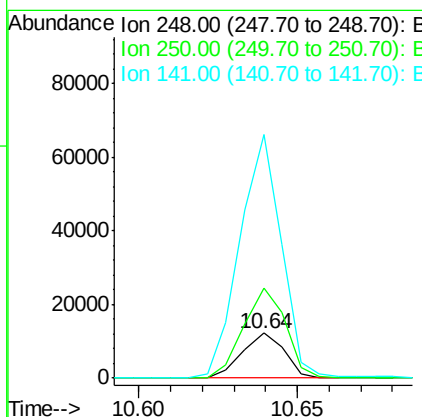
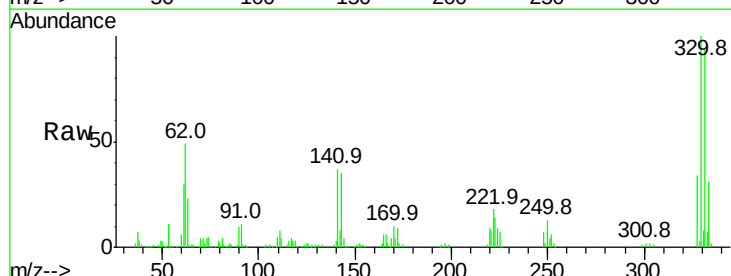
Instrument :
 BNA_F
 ClientSampleId :

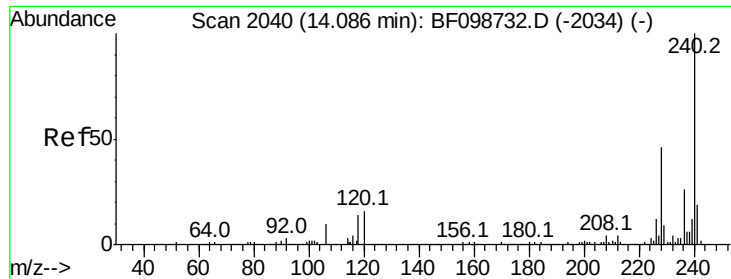
Tot Ion	Ratio	Lower	Upper
188	100		
94	11.0	8.5	12.7
80	12.2	9.2	13.8



#66
 4-Bromophenyl-phenylether
 Concen: 3.875 ng
 RT: 10.64 min Scan# 1454
 Delta R.T. -0.24 min
 Lab File: BF099694.D
 Acq: 20 Oct 2017 12:11

Tgt Ion	Ratio	Lower	Upper
248	100		
250	200.2	76.9	115.3#
141	543.2	74.4	111.6#





#75

Chrysene-d12

Concen: 20.000 ng

RT: 13.98 min Scan# 2022

Delta R.T. -0.01 min

Lab File: BF099694.D

Acq: 20 Oct 2017 12:11

Instrument :

BNA_F

ClientSampleId :

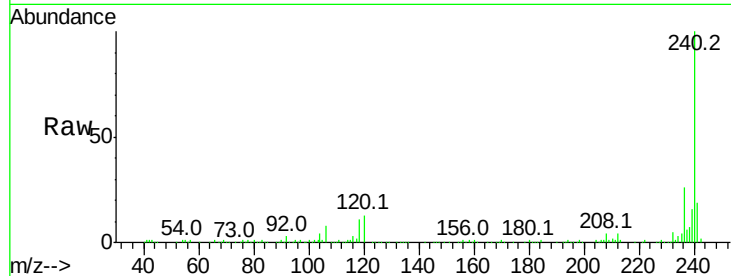
Tot Ion:240 Resp: 169193

Ion Ratio Lower Upper

240 100

120 13.0 9.5 14.3

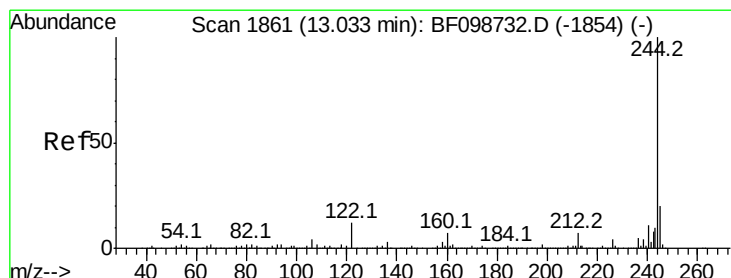
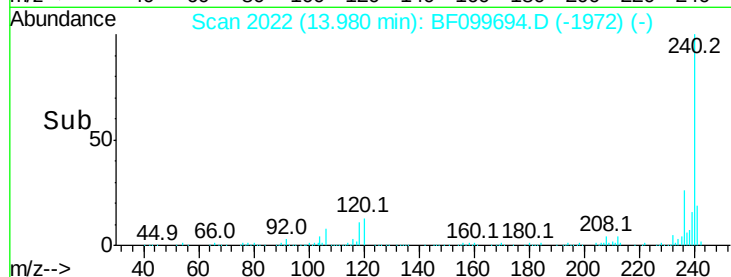
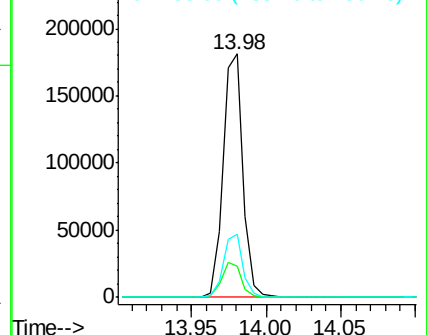
236 25.7 20.7 31.1



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: 85.247 ng

RT: 12.92 min Scan# 1841

Delta R.T. -0.01 min

Lab File: BF099694.D

Acq: 20 Oct 2017 12:11

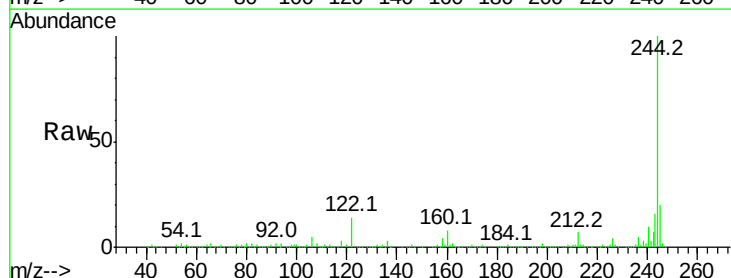
Tgt Ion:244 Resp: 634209

Ion Ratio Lower Upper

244 100

212 7.0 5.4 8.0

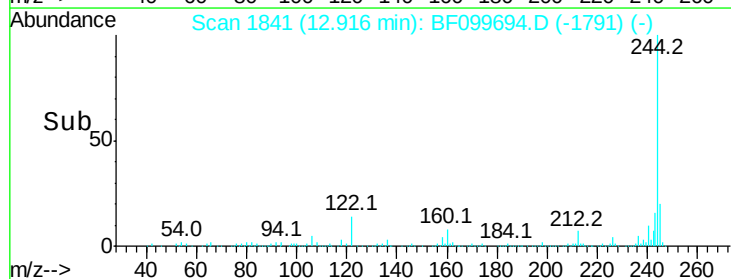
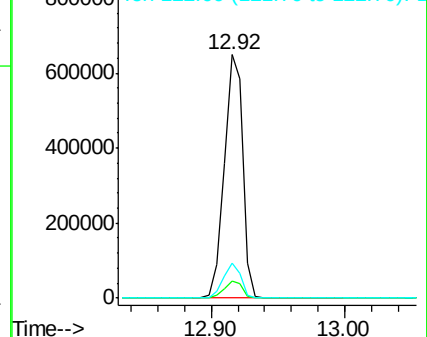
122 14.3 11.0 16.4

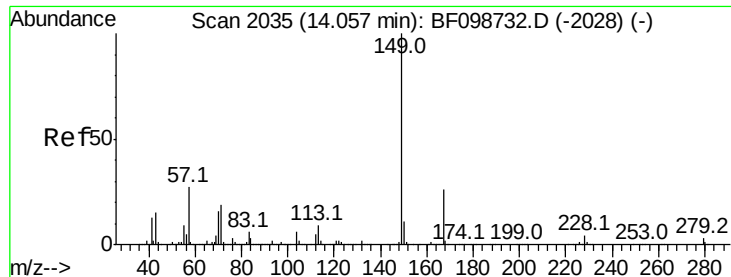


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#83

Bis(2-ethylhexyl)phthalate

Concen: 2.032 ng

RT: 13.94 min Scan# 2015

Delta R.T. -0.01 min

Lab File: BF099694.D

Acq: 20 Oct 2017 12:11

Instrument :

BNA_F

ClientSampled :

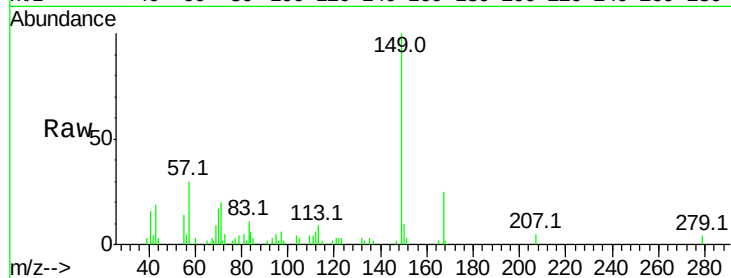
Tot Ion:149 Resp: 16966

Ion Ratio Lower Upper

149 100

167 25.0 21.3 31.9

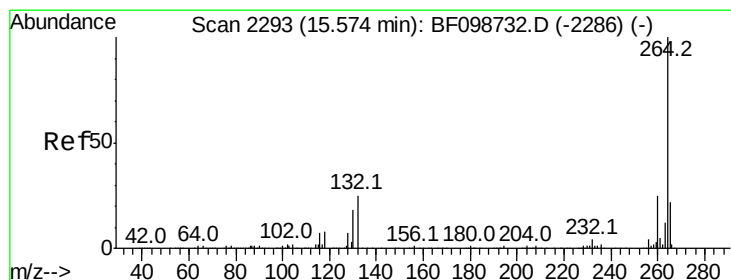
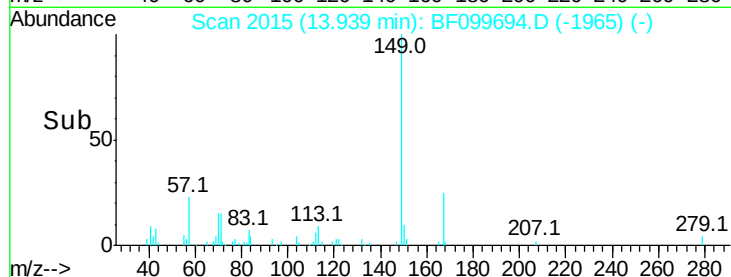
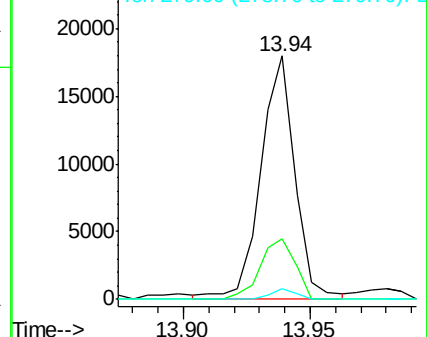
279 4.4 3.0 4.4



Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.44 min Scan# 2270

Delta R.T. -0.00 min

Lab File: BF099694.D

Acq: 20 Oct 2017 12:11

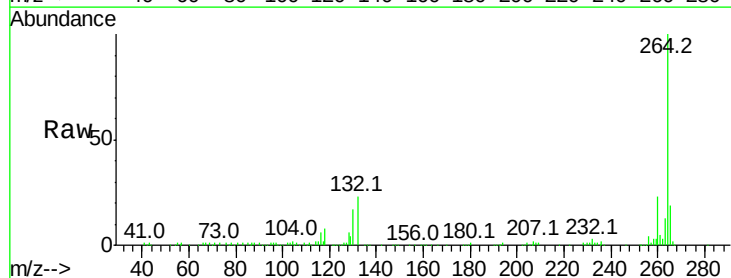
Tgt Ion:264 Resp: 157985

Ion Ratio Lower Upper

264 100

260 22.9 19.2 28.8

265 19.4 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

