

Data Path : Z:\HPCHEM1\BNA F\DATA\BF102117\
 Data File : BF099728.D
 Acq On : 21 Oct 2017 15:26
 Operator : SJ/JU
 Sample : I5950-04
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Oct 22 00:45:09 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

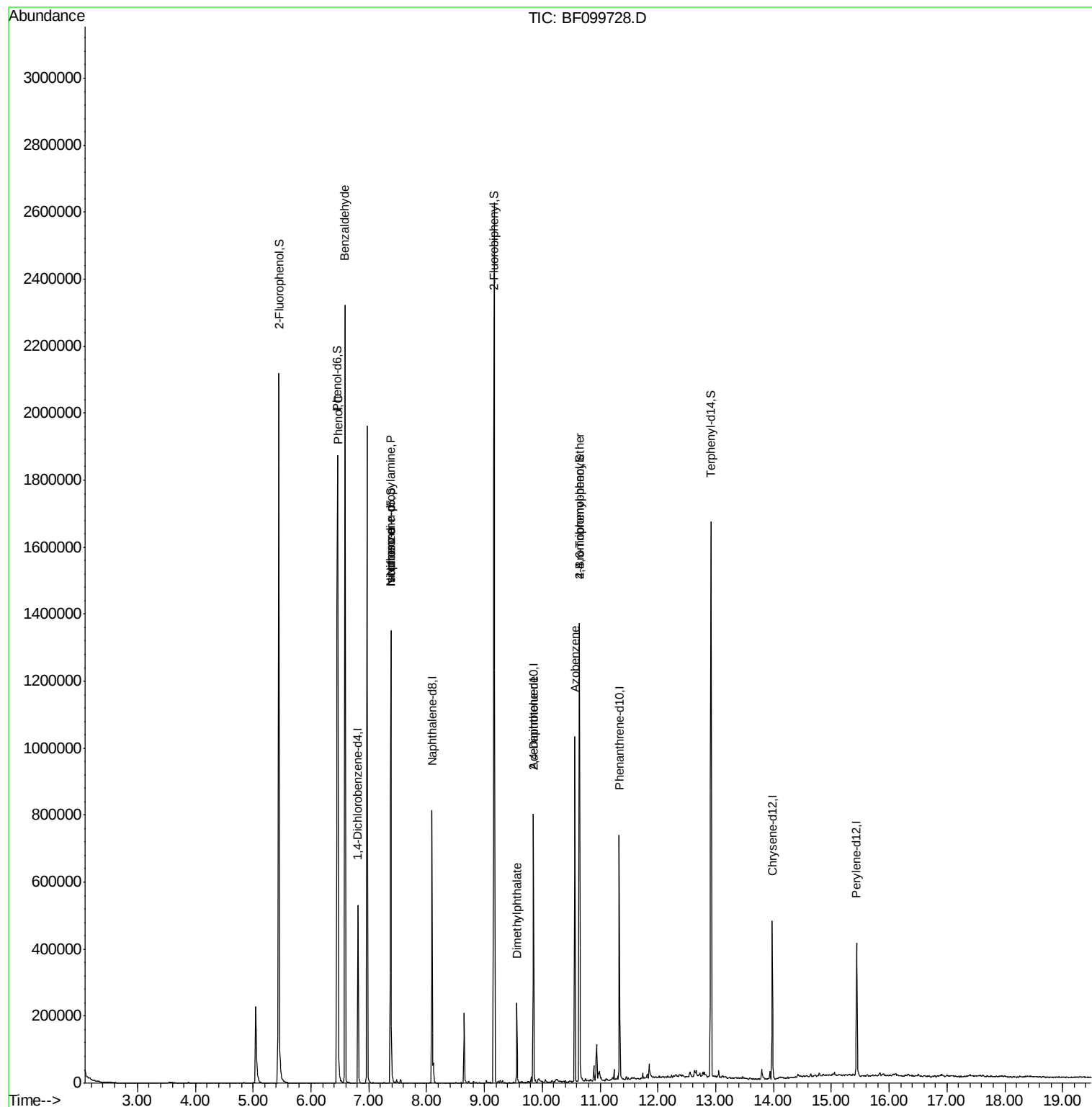
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.82	152	91980	20.00	ng	0.00
21) Naphthalene-d8	8.09	136	379037	20.00	ng	-0.01
38) Acenaphthene-d10	9.85	164	166424	20.00	ng	-0.01
63) Phenanthrene-d10	11.33	188	270779	20.00	ng	-0.01
75) Chrysene-d12	13.98	240	161029	20.00	ng	0.00
86) Perylene-d12	15.44	264	174049	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.45	112	733115	126.88	ng	0.00
7) Phenol-d6	6.46	99	886809	124.42	ng	0.00
23) Nitrobenzene-d5	7.38	82	506850	85.76	ng	-0.01
41) 2,4,6-Tribromophenol	10.65	330	178819	131.31	ng	0.00
44) 2-Fluorobiphenyl	9.17	172	850897	85.35	ng	0.00
78) Terphenyl-d14	12.92	244	536074	75.71	ng	0.00
Target Compounds						Qvalue
9) Benzaldehyde	6.59	77	13673	3.307	ng	89
10) Phenol	6.47	94	31218	3.916	ng	95
19) n-Nitroso-di-n-propylamine	7.38	70	63571	13.969	ng	# 72
25) Isophorone	7.38	82	506850	41.478	ng	# 64
49) Dimethylphthalate	9.56	163	91153	7.257	ng	99
56) 2,4-Dinitrotoluene	9.85	165	21794	6.141	ng	# 22
62) Azobenzene	10.56	77	171012	15.154	ng	# 1
66) 4-Bromophenyl-phenylether	10.65	248	11909	4.493	ng	# 1

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

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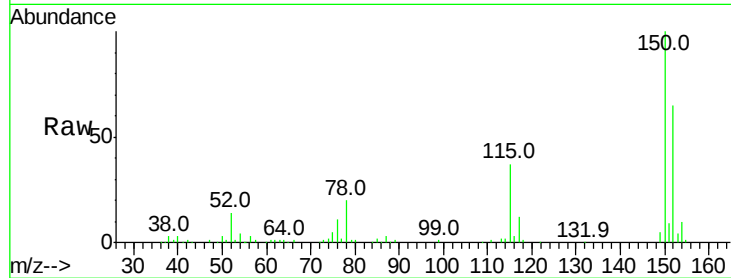


#1

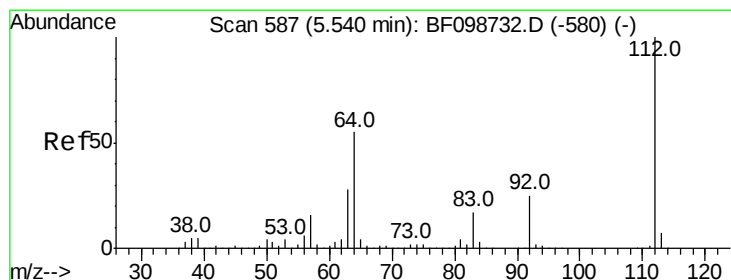
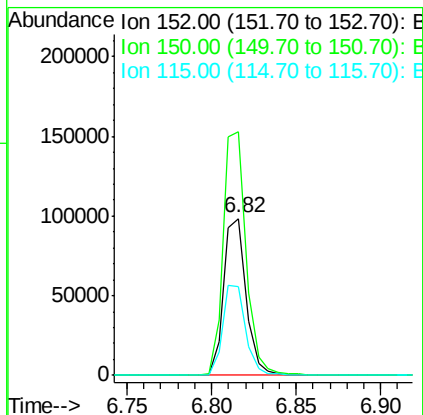
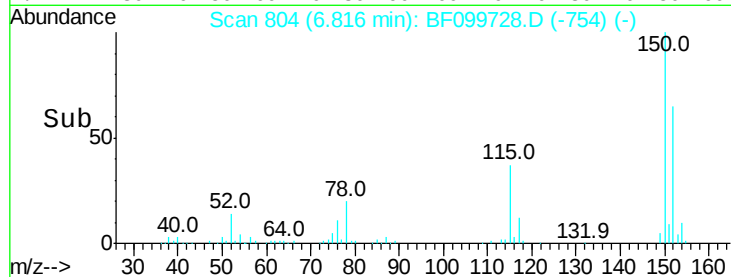
1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.82 min Scan# 804
 Delta R.T. -0.01 min
 Lab File: BF099728.D
 Acq: 21 Oct 2017 15:26

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:152 Resp: 91980
 Ion Ratio Lower Upper
 152 100
 150 155.0 124.6 186.8
 115 56.7 50.1 75.1



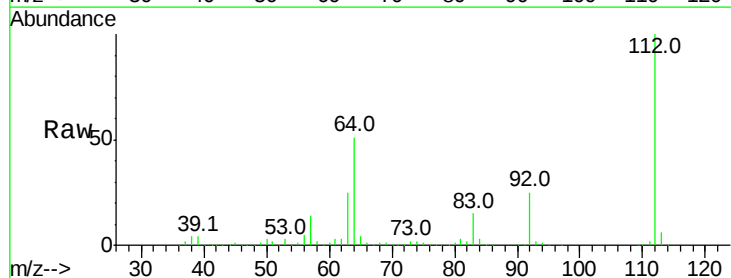
Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E



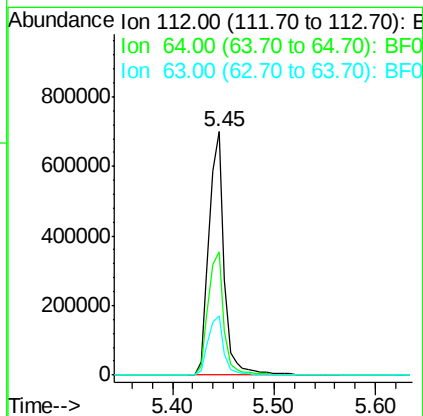
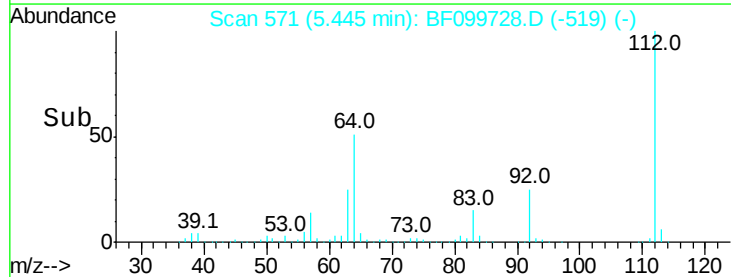
#5

2-Fluorophenol
 Concen: 126.880 ng
 RT: 5.45 min Scan# 571
 Delta R.T. 0.01 min
 Lab File: BF099728.D
 Acq: 21 Oct 2017 15:26

Tgt Ion:112 Resp: 733115
 Ion Ratio Lower Upper
 112 100
 64 50.8 47.9 71.9
 63 24.6 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: 124.415 ng

RT: 6.46 min Scan# 743

Delta R.T. -0.01 min

Lab File: BF099728.D

Acq: 21 Oct 2017 15:26

Instrument :

BNA_F

ClientSampleId :

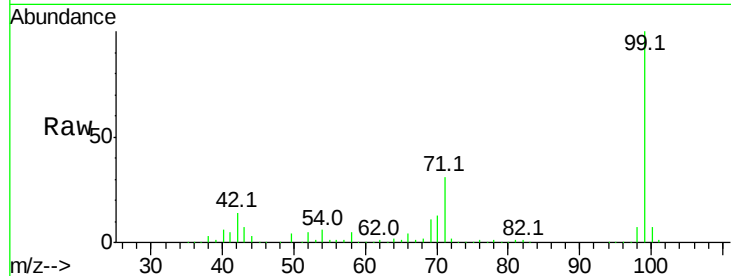
Tot Ion: 99 Resp: 886809

Ion Ratio Lower Upper

99 100

42 14.4 14.5 21.7#

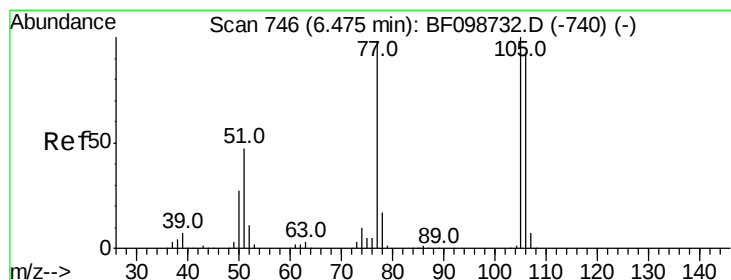
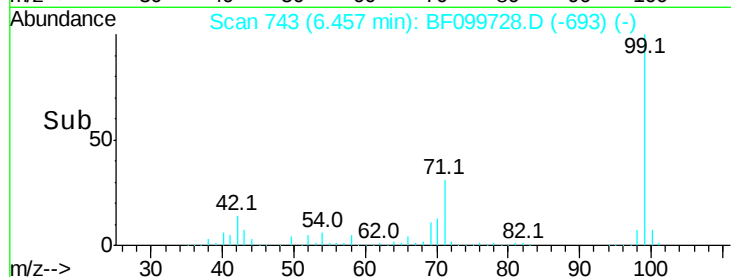
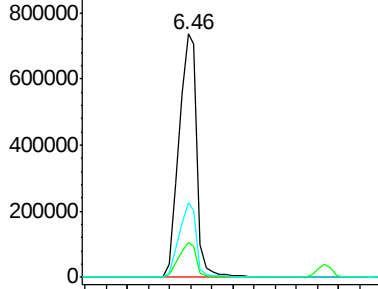
71 30.7 25.4 38.0



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: 3.307 ng

RT: 6.59 min Scan# 765

Delta R.T. 0.21 min

Lab File: BF099728.D

Acq: 21 Oct 2017 15:26

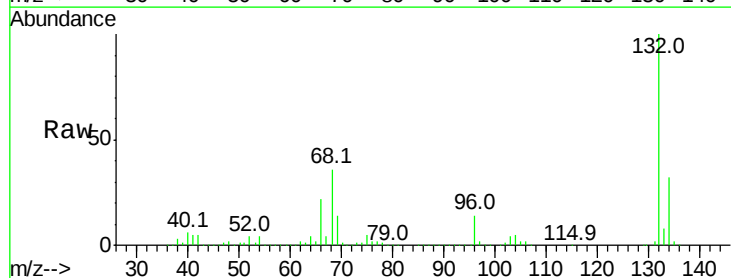
Tgt Ion: 77 Resp: 13673

Ion Ratio Lower Upper

77 100

105 90.2 81.1 121.1

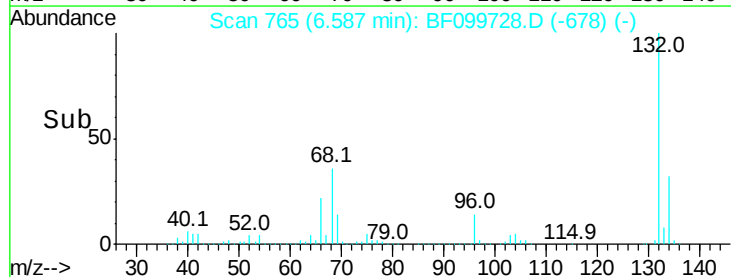
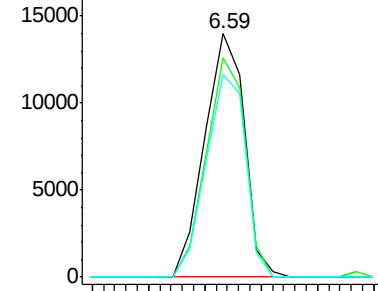
106 83.4 74.5 114.5

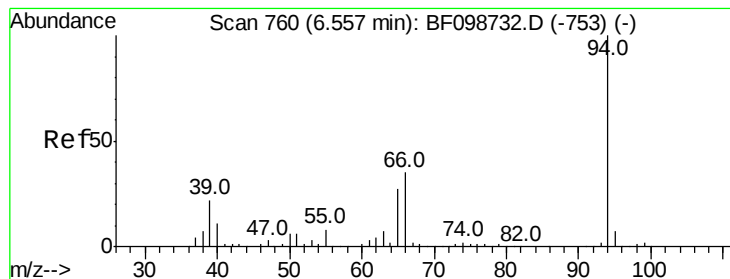


Abundance Ion 77.00 (76.70 to 77.70): BF0

Ion 105.00 (104.70 to 105.70): E

Ion 106.00 (105.70 to 106.70): E





#10

Phenol

Concen: 3.916 ng

RT: 6.47 min Scan# 745

Delta R.T. -0.01 min

Lab File: BF099728.D

Acq: 21 Oct 2017 15:26

Instrument :
BNA_F
ClientSampled :

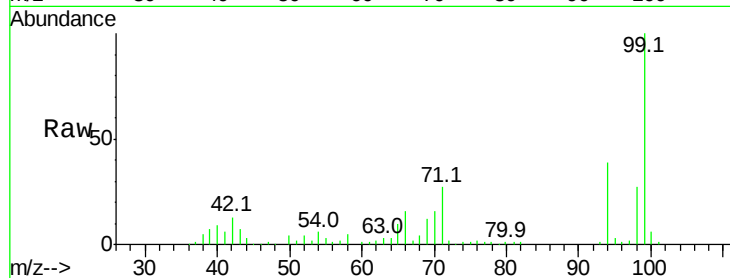
Tot Ion: 94 Resp: 31218

Ion Ratio Lower Upper

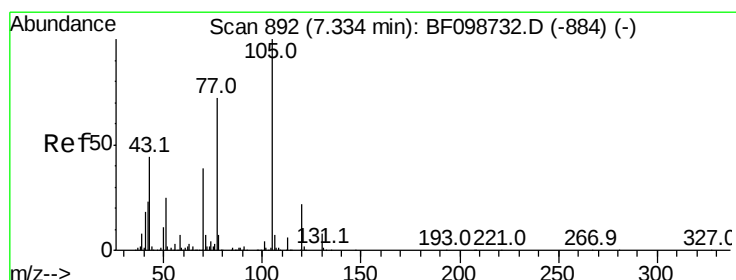
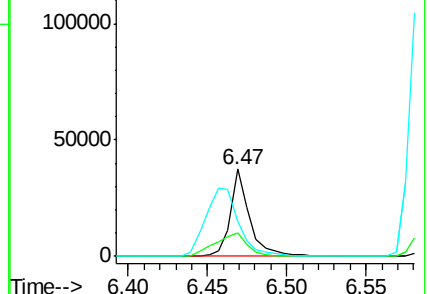
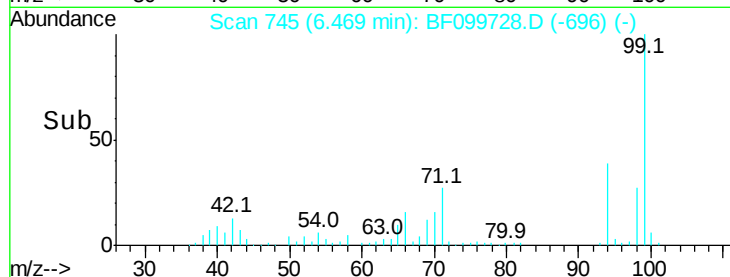
94 100

65 27.0 7.9 47.9

66 40.6 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: 13.969 ng

RT: 7.38 min Scan# 900

Delta R.T. 0.15 min

Lab File: BF099728.D

Acq: 21 Oct 2017 15:26

Tgt Ion: 70 Resp: 63571

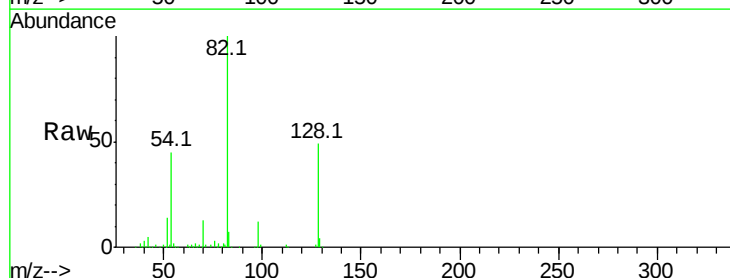
Ion Ratio Lower Upper

70 100

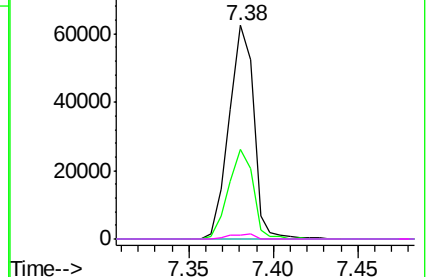
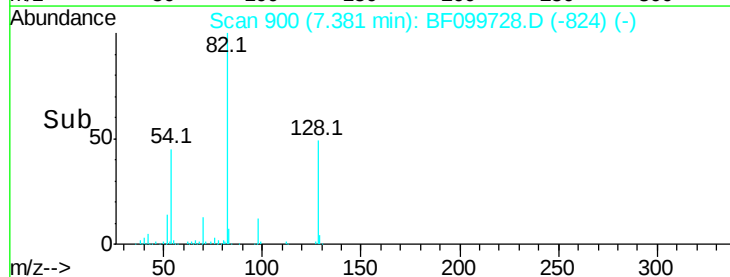
42 41.8 47.5 71.3#

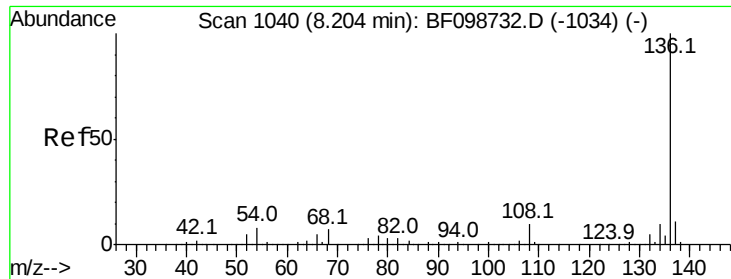
101 0.0 7.4 11.2#

130 2.1 16.6 25.0#



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

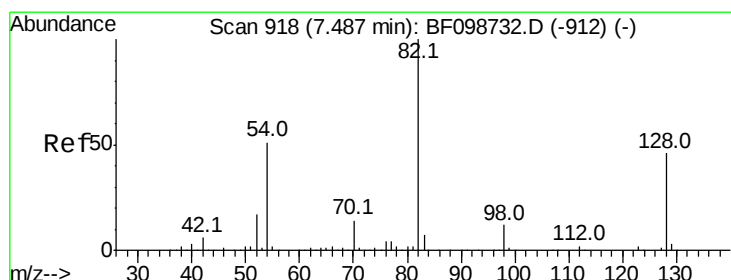
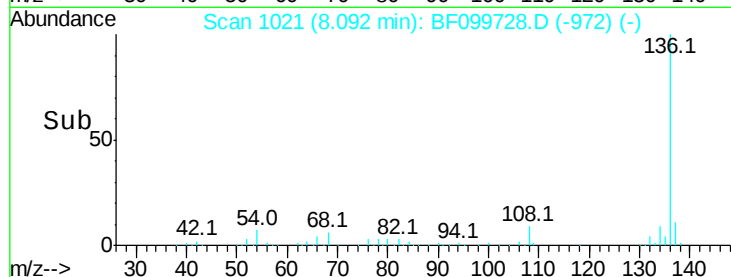
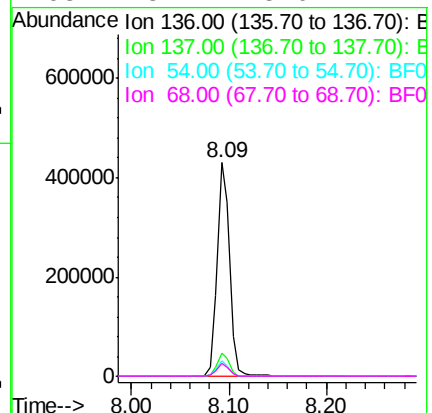
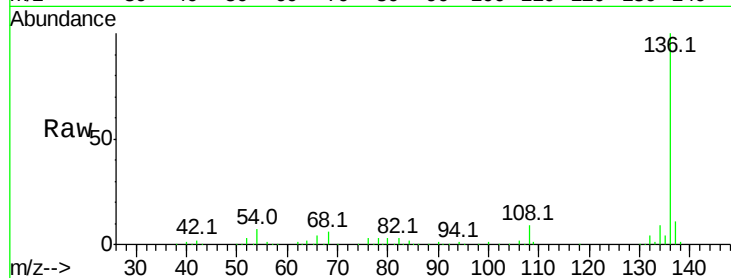




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.09 min Scan# 1021
Delta R.T. -0.01 min
Lab File: BF099728.D
Acq: 21 Oct 2017 15:26

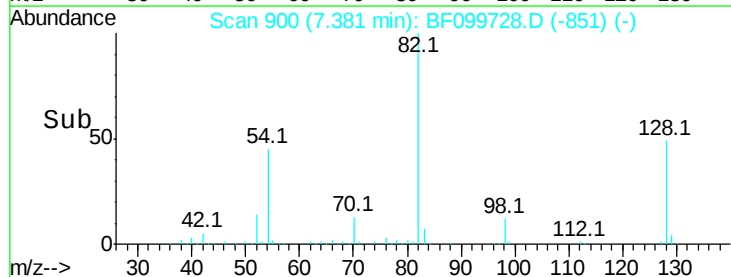
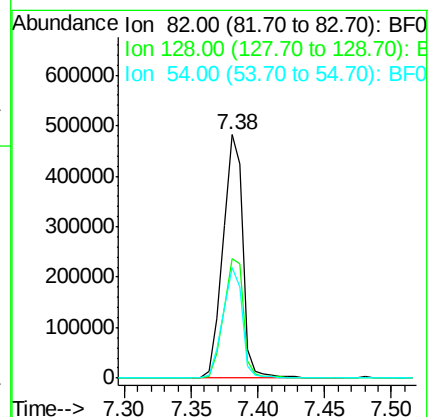
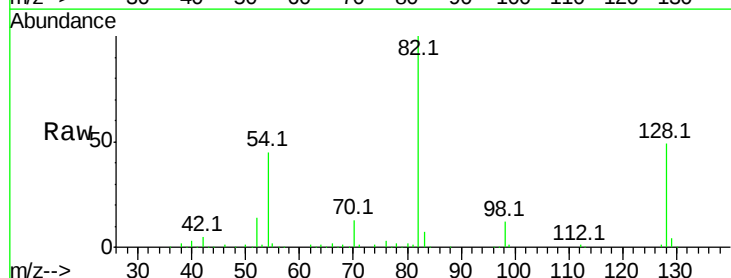
Instrument :
BNA_F
ClientSampleId :

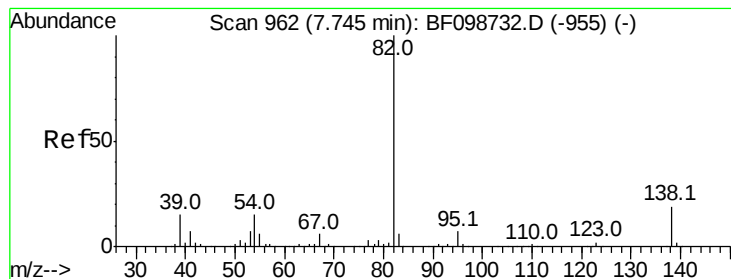
Tot Ion:	136	Resp:	379037
Ion	Ratio	Lower	Upper
136	100		
137	11.0	8.9	13.3
54	7.4	6.6	9.8
68	5.7	5.0	7.4



#23
Nitrobenzene-d5
Concen: 85.755 ng
RT: 7.38 min Scan# 900
Delta R.T. -0.01 min
Lab File: BF099728.D
Acq: 21 Oct 2017 15:26

Tgt Ion:	82	Resp:	506850
Ion	Ratio	Lower	Upper
82	100		
128	49.2	36.1	54.1
54	45.4	41.4	62.2





#25

Isophorone

Concen: 41.478 ng

RT: 7.38 min Scan# 900

Delta R.T. -0.26 min

Lab File: BF099728.D

Acq: 21 Oct 2017 15:26

Instrument :

BNA_F

ClientSampleId :

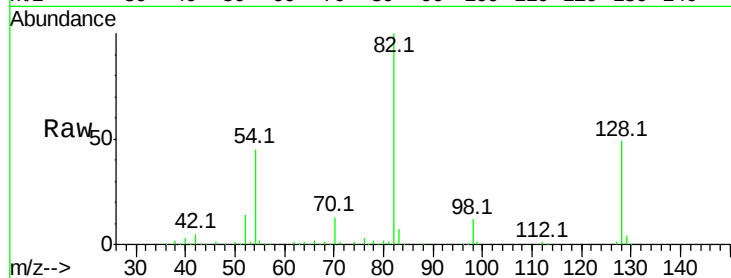
Tot Ion: 82 Resp: 506850

Ion Ratio Lower Upper

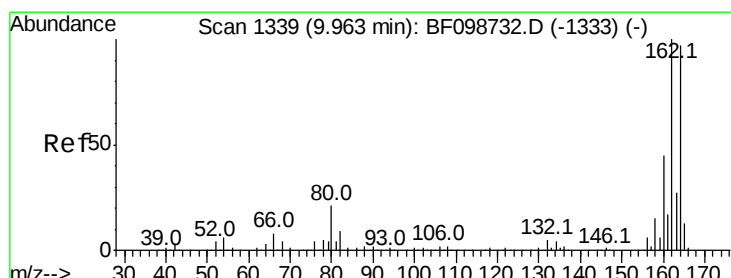
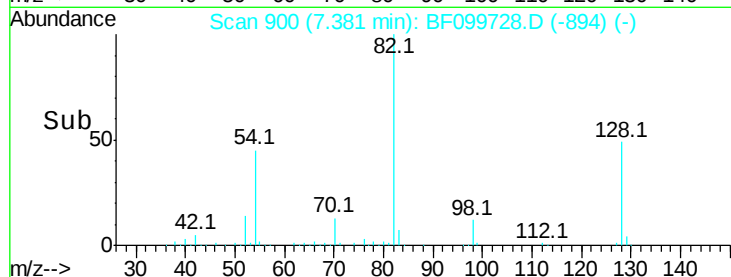
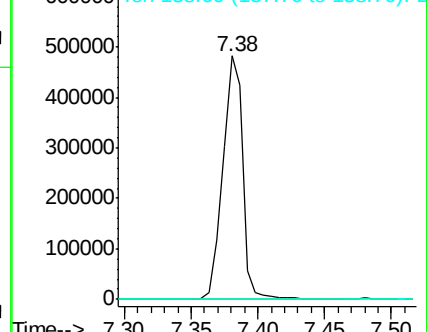
82 100

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): E



#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.85 min Scan# 1319

Delta R.T. -0.01 min

Lab File: BF099728.D

Acq: 21 Oct 2017 15:26

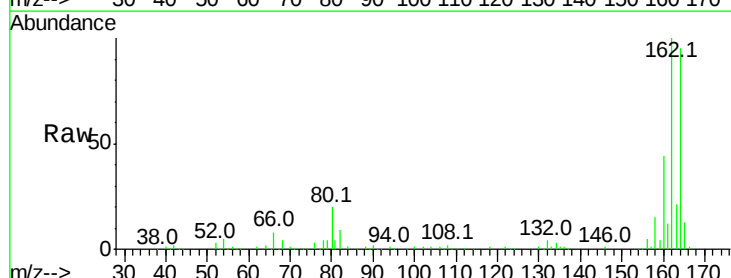
Tgt Ion:164 Resp: 166424

Ion Ratio Lower Upper

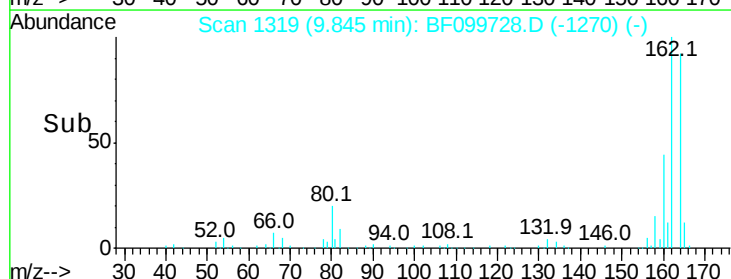
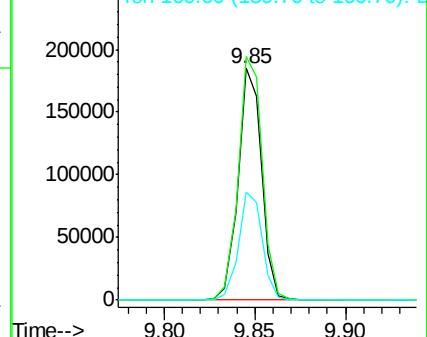
164 100

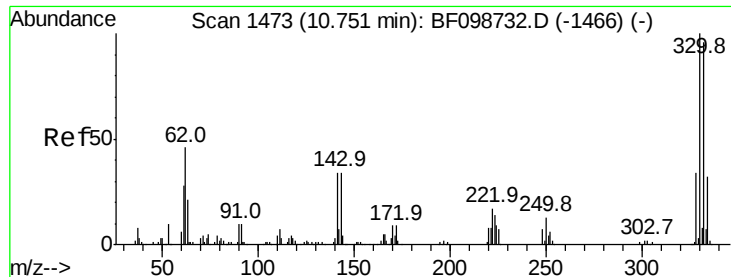
162 105.0 86.1 129.1

160 46.3 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

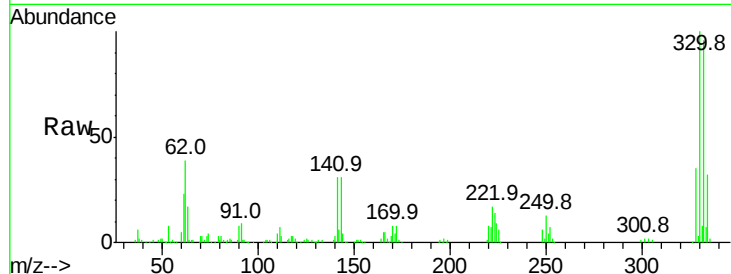




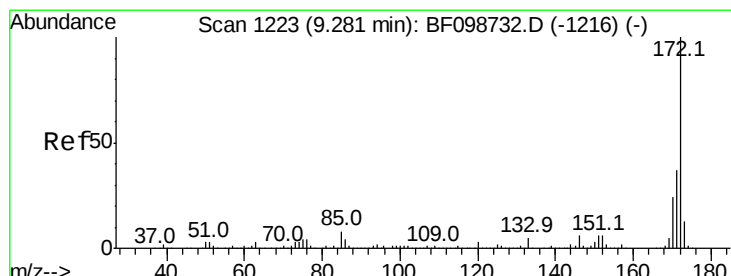
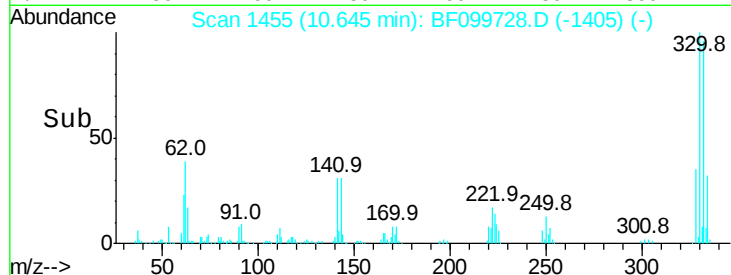
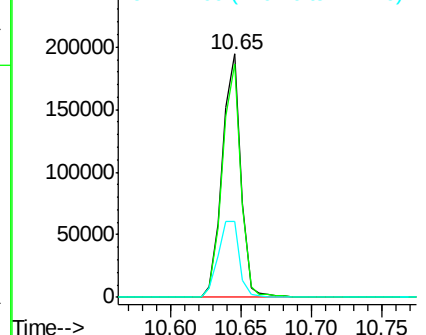
#41
 2,4,6-Tribromophenol
 Concen: 131.311 ng
 RT: 10.65 min Scan# 1455
 Delta R.T. -0.01 min
 Lab File: BF099728.D
 Acq: 21 Oct 2017 15:26

Instrument :
 BNA_F
 ClientSampled :

Tot Ion	Ratio	Lower	Upper
330	100		
332	95.9	77.0	115.6
141	35.6	29.9	44.9

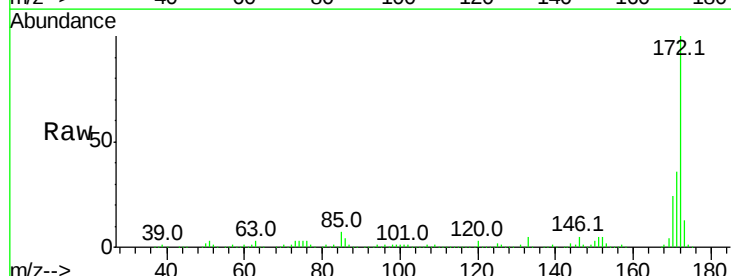


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

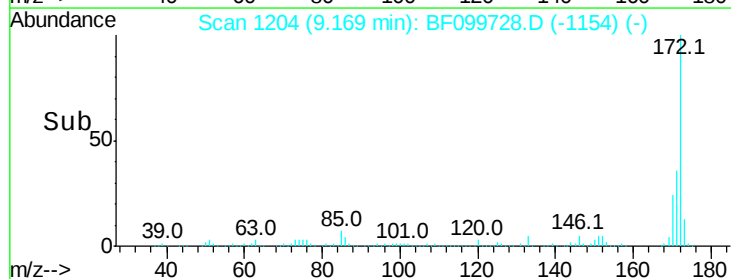
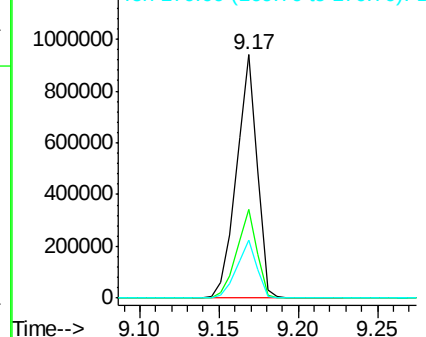


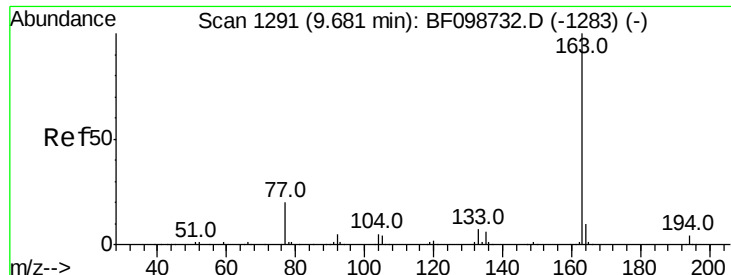
#44
 2-Fluorobiphenyl
 Concen: 85.354 ng
 RT: 9.17 min Scan# 1204
 Delta R.T. -0.01 min
 Lab File: BF099728.D
 Acq: 21 Oct 2017 15:26

Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.2	29.7	44.5
170	23.7	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

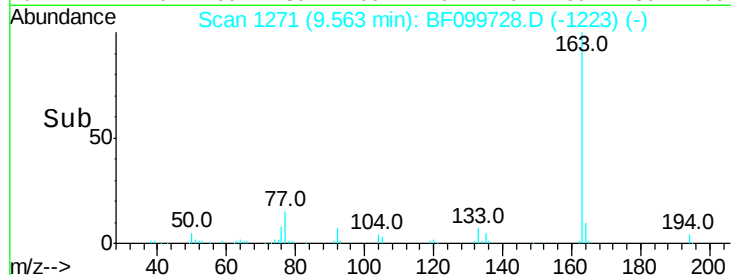
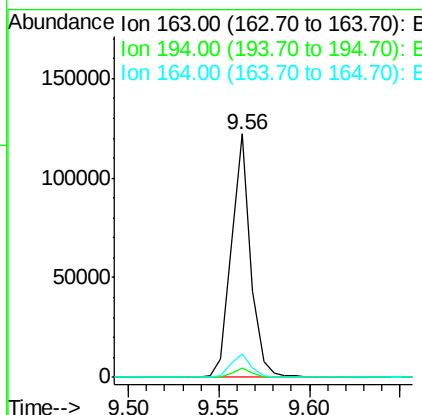
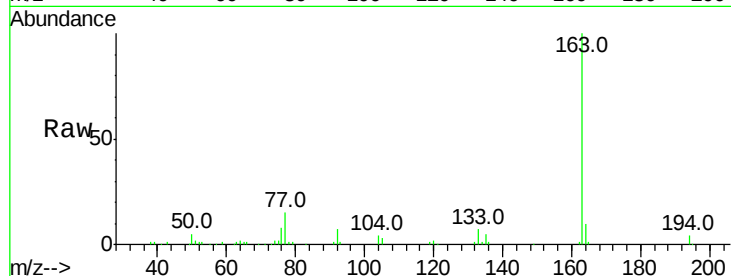




#49
Dimethylphthalate
Concen: 7.257 ng
RT: 9.56 min Scan# 1271
Delta R.T. -0.02 min
Lab File: BF099728.D
Acq: 21 Oct 2017 15:26

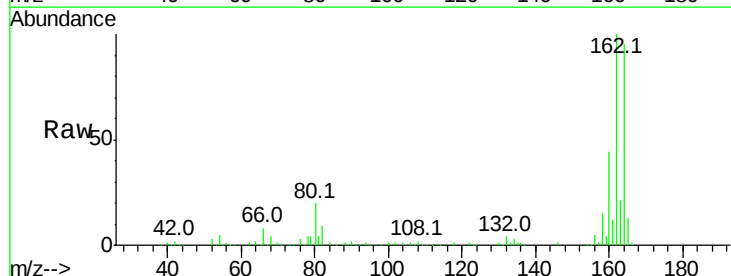
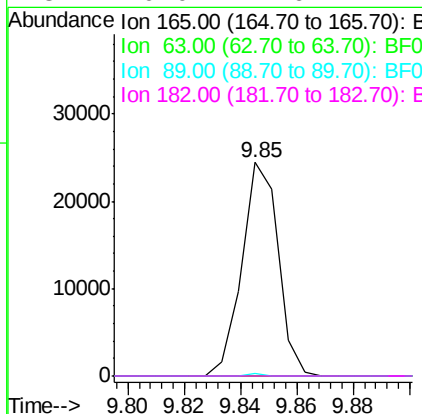
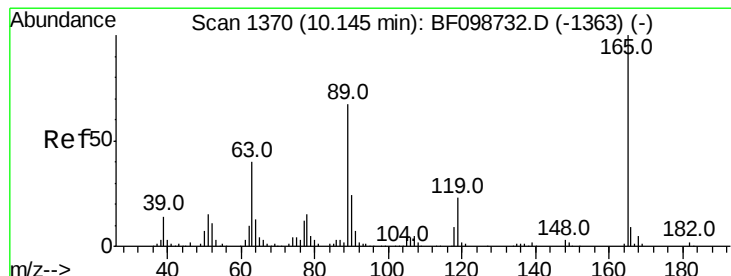
Instrument :
BNA_F
ClientSampleId :

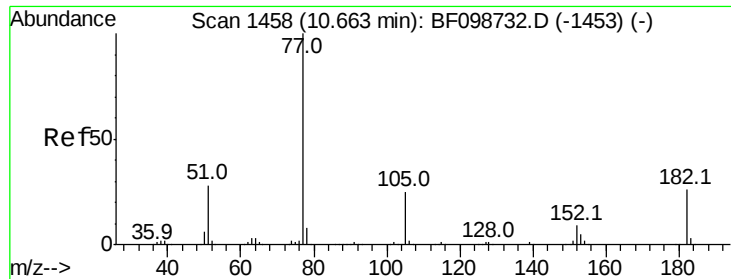
Tot Ion:163 Resp: 91153
Ion Ratio Lower Upper
163 100
194 3.6 2.7 4.1
164 9.7 8.2 12.2



#56
2,4-Dinitrotoluene
Concen: 6.141 ng
RT: 9.85 min Scan# 1319
Delta R.T. -0.21 min
Lab File: BF099728.D
Acq: 21 Oct 2017 15:26

Tgt Ion:165 Resp: 21794
Ion Ratio Lower Upper
165 100
63 0.0 36.4 54.6#
89 1.3 57.8 86.6#
182 0.0 1.6 2.4#





#62

Azobenzene

Concen: 15.154 ng

RT: 10.56 min Scan# 1441

Delta R.T. 0.01 min

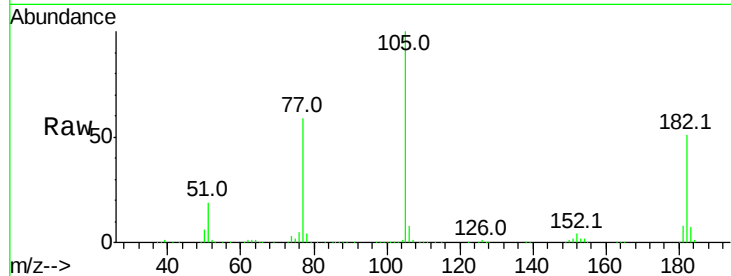
Lab File: BF099728.D

Acq: 21 Oct 2017 15:26

Instrument :

BNA_F

ClientSampleId :



Tot Ion: 77 Resp: 171012

Ion Ratio Lower Upper

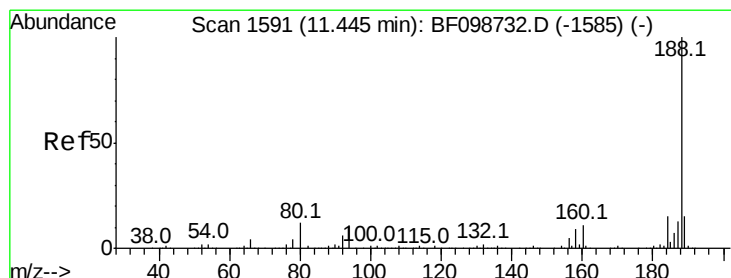
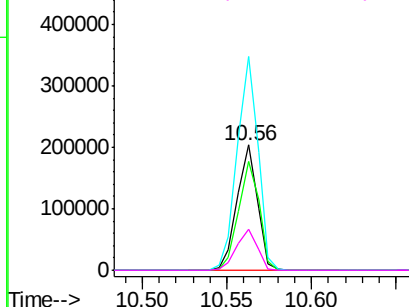
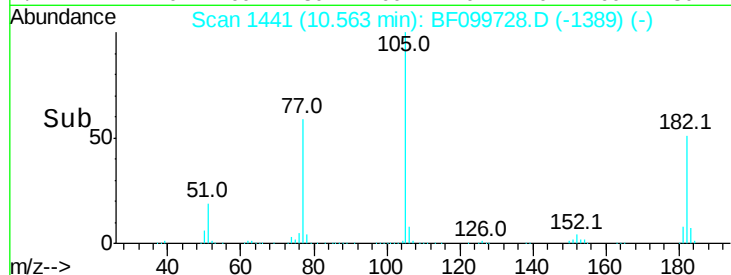
77 100

182 87.1 1.7 41.7#

105 170.5 3.0 43.0#

51 33.2 9.9 49.9

Abundance Ion 77.00 (76.70 to 77.70): BF0
Ion 182.00 (181.70 to 182.70): E
Ion 105.00 (104.70 to 105.70): E
Ion 51.00 (50.70 to 51.70): BF0



#63

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.33 min Scan# 1572

Delta R.T. -0.01 min

Lab File: BF099728.D

Acq: 21 Oct 2017 15:26

Tgt Ion: 188 Resp: 270779

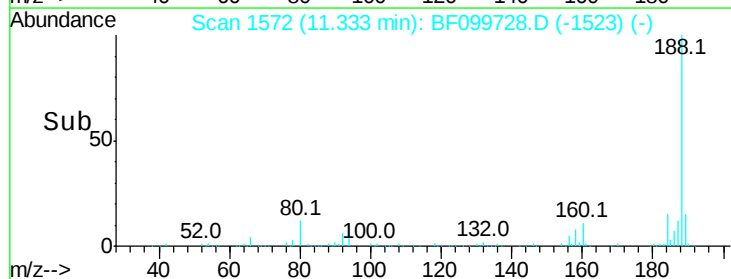
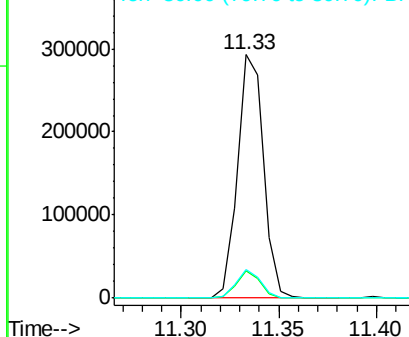
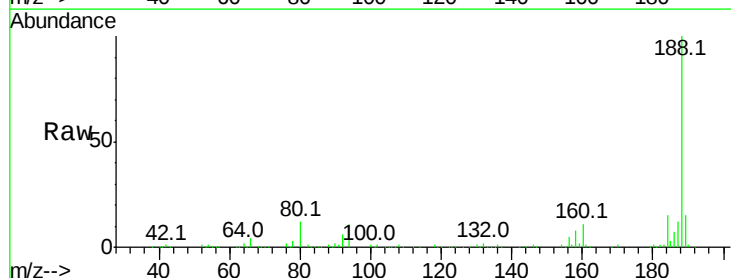
Ion Ratio Lower Upper

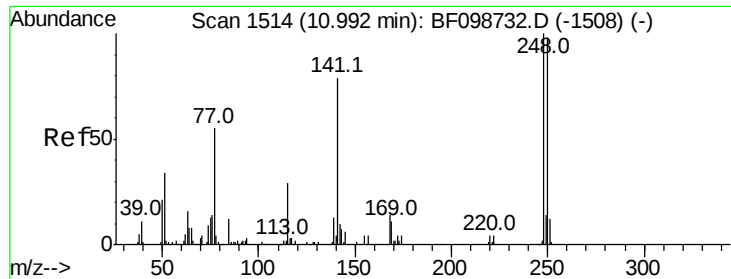
188 100

94 11.1 8.5 12.7

80 11.8 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

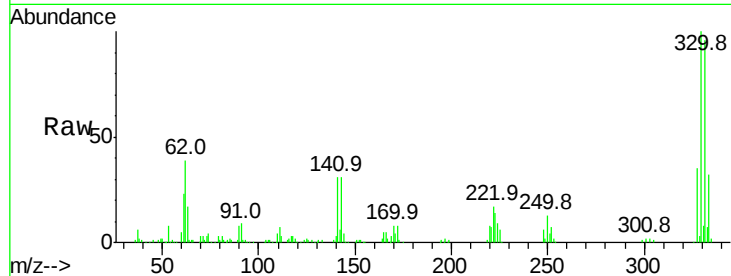




#66
 4-Bromophenyl-phenylether
 Concen: 4.493 ng
 RT: 10.65 min Scan# 1455
 Delta R.T. -0.24 min
 Lab File: BF099728.D
 Acq: 21 Oct 2017 15:26

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ion	Ratio	Lower	Upper
248	100			
250	203.7	76.9	115.3	
141	499.2	74.4	111.6	

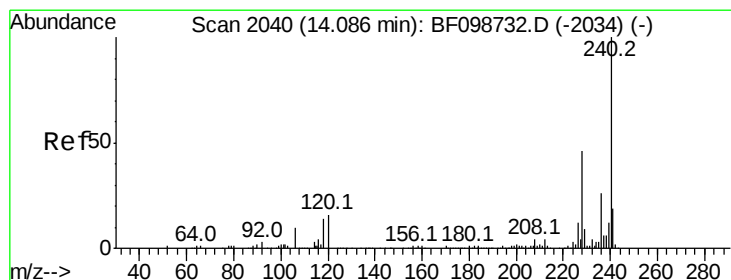
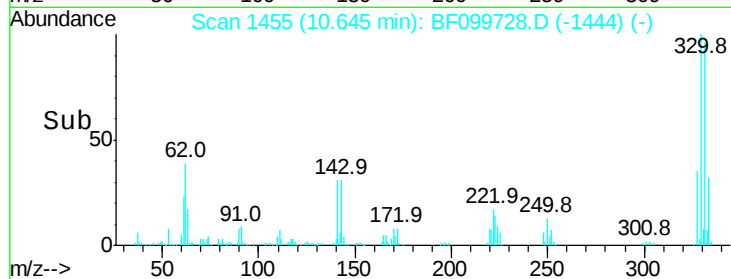
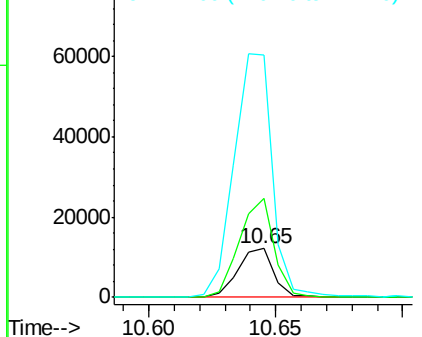


Abundance

Ion 248.00 (247.70 to 248.70): E

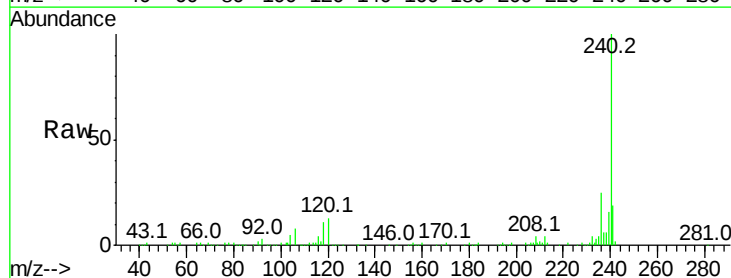
Ion 250.00 (249.70 to 250.70): E

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: BF099728.D
 Acq: 21 Oct 2017 15:26

Tgt Ion	Ion	Ratio	Lower	Upper
240	100			
120	13.0	9.5	14.3	
236	25.1	20.7	31.1	

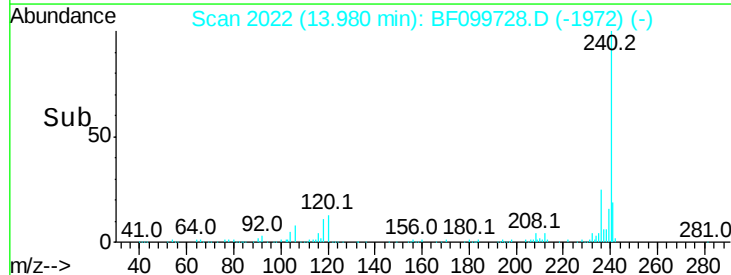
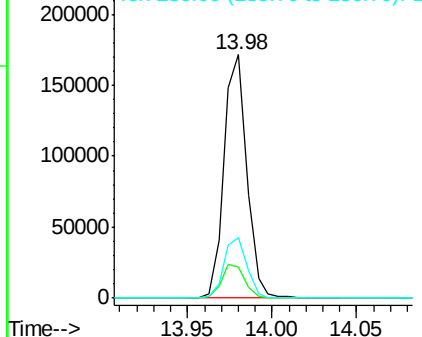


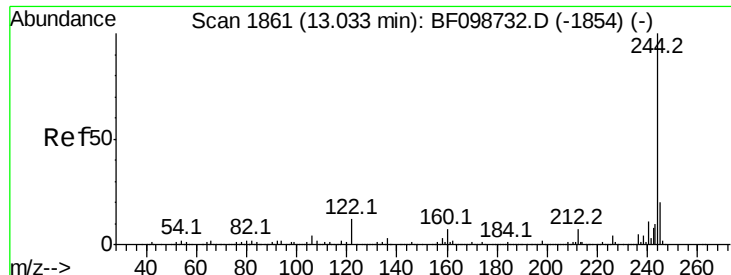
Abundance

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

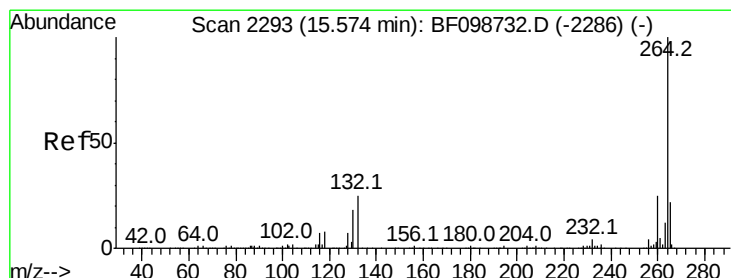
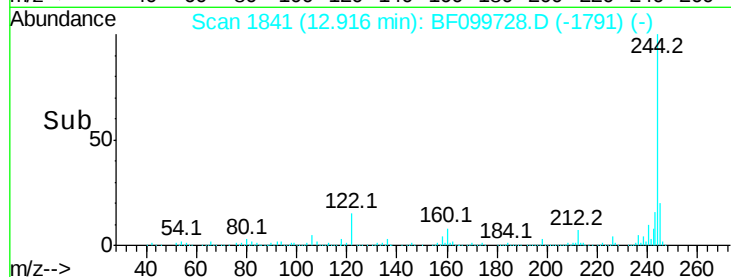
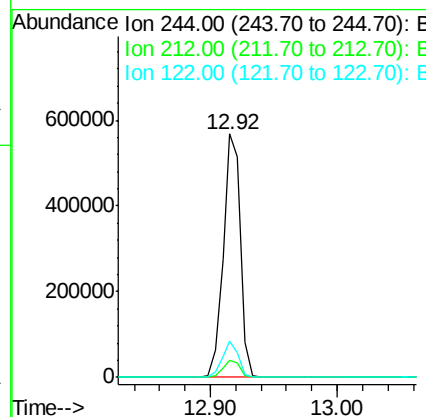
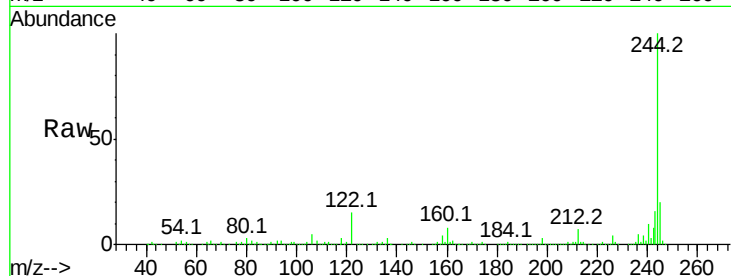




#78
 Terphenyl-d14
 Concen: 75.709 ng
 RT: 12.92 min Scan# 1841
 Delta R.T. -0.01 min
 Lab File: BF099728.D
 Acq: 21 Oct 2017 15:26

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:244 Resp: 536074
 Ion Ratio Lower Upper
 244 100
 212 6.8 5.4 8.0
 122 14.8 11.0 16.4



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.44 min Scan# 2270
 Delta R.T. -0.00 min
 Lab File: BF099728.D
 Acq: 21 Oct 2017 15:26

Tgt Ion:264 Resp: 174049
 Ion Ratio Lower Upper
 264 100
 260 24.0 19.2 28.8
 265 22.6 17.5 26.3

