

Data Path : Z:\HPCHEM1\BNA F\DATA\BF101317\
 Data File : BF099455.D
 Acq On : 13 Oct 2017 22:33
 Operator : SJ/JU
 Sample : I5819-06
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Oct 14 00:04:12 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF092317.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Oct 11 16:25:21 2017
 Response via : Initial Calibration

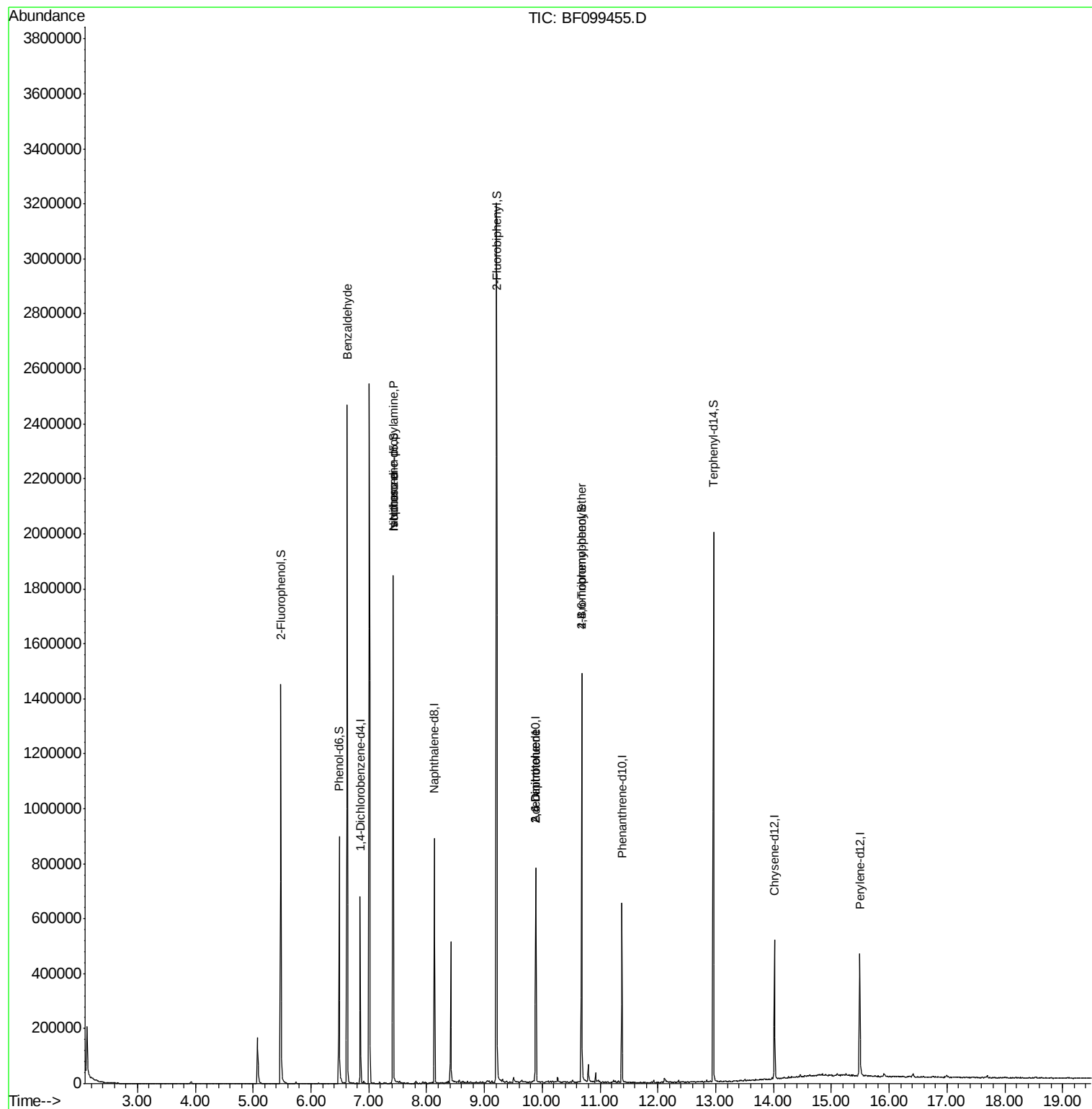
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.85	152	96527	20.00	ng	0.00
21) Naphthalene-d8	8.13	136	377511	20.00	ng	0.00
38) Acenaphthene-d10	9.89	164	148913	20.00	ng	0.00
63) Phenanthrene-d10	11.37	188	217332	20.00	ng	0.00
75) Chrysene-d12	14.02	240	172393	20.00	ng	0.00
86) Perylene-d12	15.49	264	192077	20.00	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.47	112	439313	72.45	ng	0.00
7) Phenol-d6	6.49	99	320389	42.83	ng	0.00
23) Nitrobenzene-d5	7.42	82	613306	104.19	ng	0.00
41) 2,4,6-Tribromophenol	10.68	330	168124	137.97	ng	0.00
44) 2-Fluorobiphenyl	9.21	172	1059947	118.83	ng	0.00
78) Terphenyl-d14	12.96	244	688955	90.89	ng	0.00
Target Compounds						
9) Benzaldehyde	6.63	77	14177	3.27	ng	Qvalue 83
19) n-Nitroso-di-n-propylamine	7.42	70	79238	16.59	ng	# 74
25) Isophorone	7.42	82	613297	50.39	ng	# 64
50) 2,6-Dinitrotoluene	9.89	165	19152	7.83	ng	# 26
56) 2,4-Dinitrotoluene	9.89	165	19152	6.03	ng	# 23
66) 4-Bromophenyl-phenylether	10.68	248	11173	5.25	ng	# 1

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

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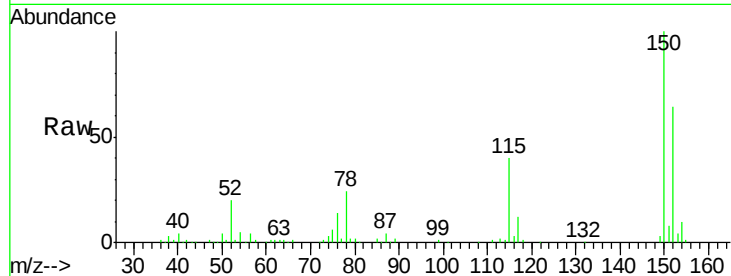


#1

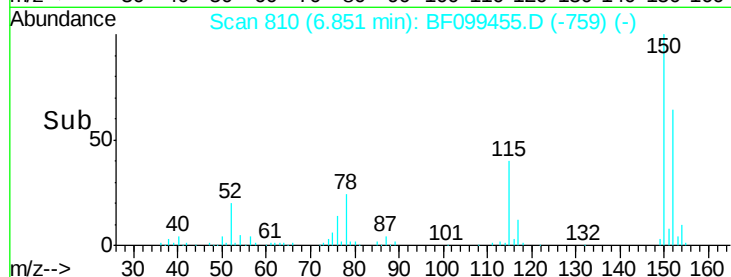
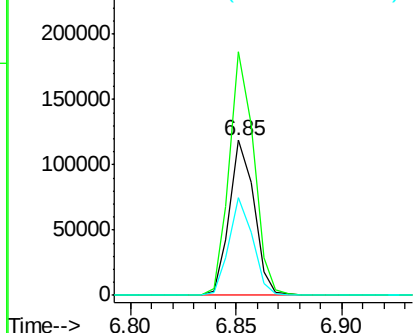
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.85 min Scan# 810
Delta R.T. -0.00 min
Lab File: BF099455.D
Acq: 13 Oct 2017 22:33

Instrument :
BNA_F
ClientSampled :

Tot Ion:152 Resp: 96527
Ion Ratio Lower Upper
152 100
150 157.2 124.6 186.8
115 62.8 50.1 75.1



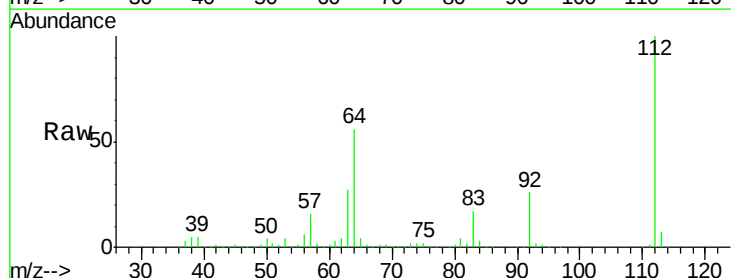
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



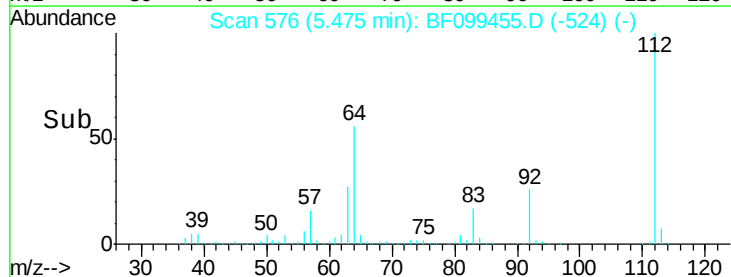
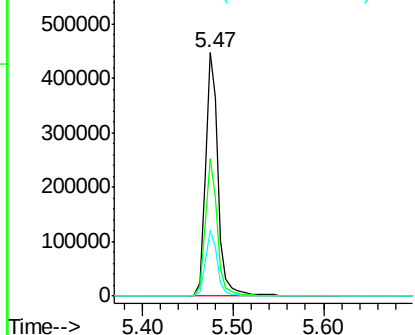
#5

2-Fluorophenol
Concen: 72.45 ng
RT: 5.47 min Scan# 576
Delta R.T. 0.01 min
Lab File: BF099455.D
Acq: 13 Oct 2017 22:33

Tgt Ion:112 Resp: 439313
Ion Ratio Lower Upper
112 100
64 56.4 47.9 71.9
63 27.2 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: 42.83 ng

RT: 6.49 min Scan# 748

Delta R.T. -0.00 min

Lab File: BF099455.D

Acq: 13 Oct 2017 22:33

Instrument :

BNA_F

ClientSampleId :

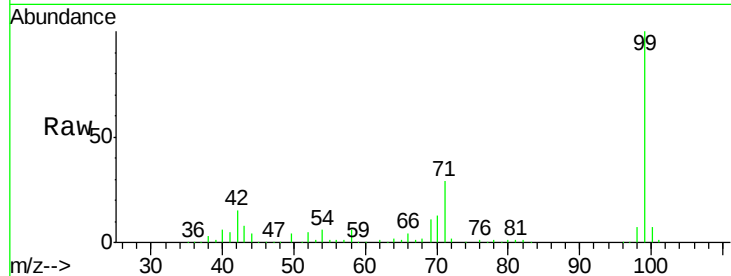
Tot Ion: 99 Resp: 320389

Ion Ratio Lower Upper

99 100

42 14.6 14.5 21.7

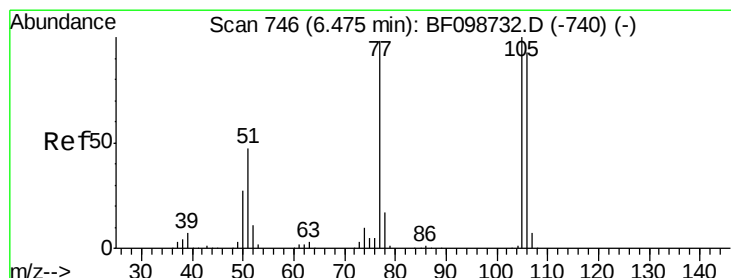
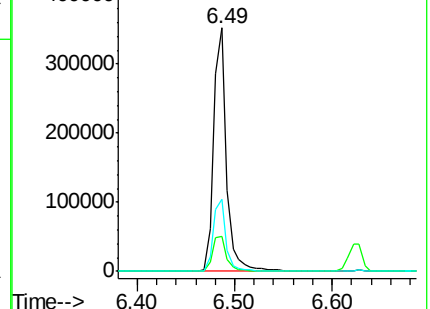
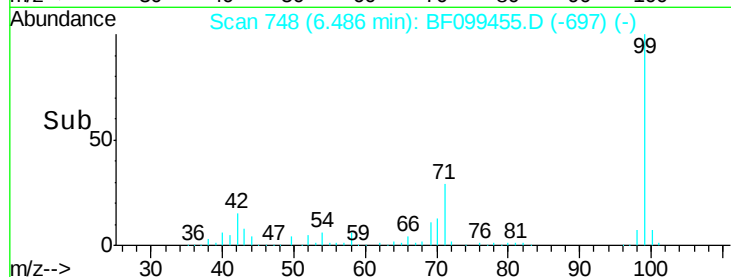
71 29.5 25.4 38.0



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: 3.27 ng

RT: 6.63 min Scan# 772

Delta R.T. 0.22 min

Lab File: BF099455.D

Acq: 13 Oct 2017 22:33

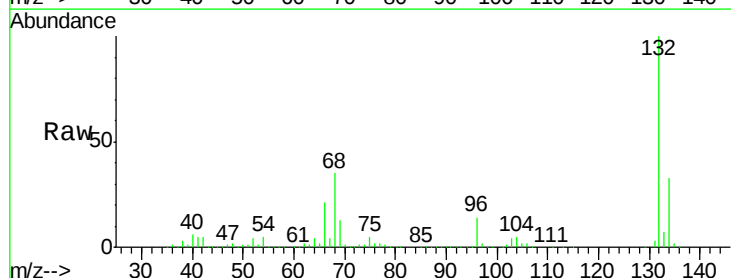
Tgt Ion: 77 Resp: 14177

Ion Ratio Lower Upper

77 100

105 82.1 81.1 121.1

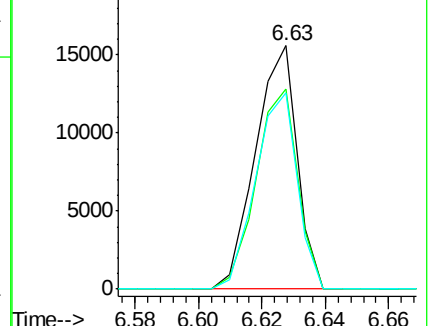
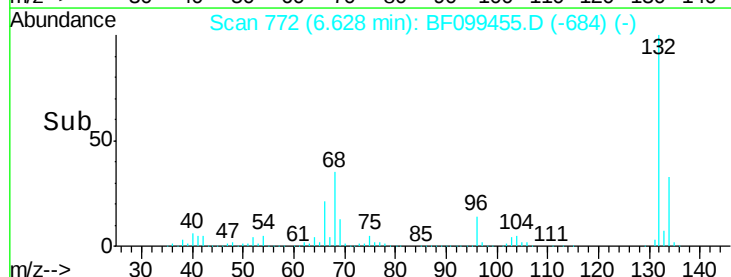
106 80.4 74.5 114.5

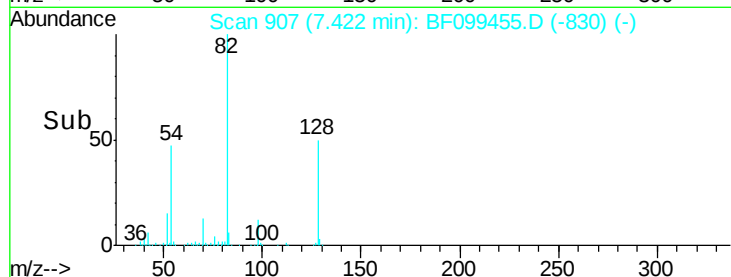
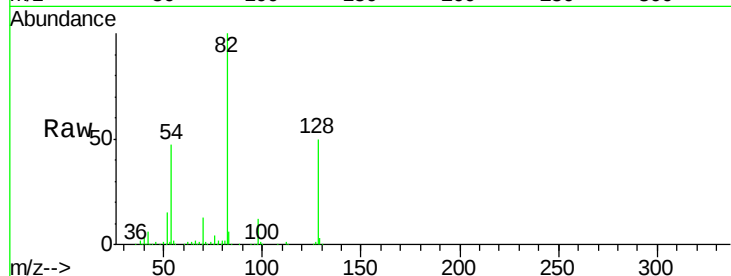


Abundance Ion 77.00 (76.70 to 77.70): BF0

Ion 105.00 (104.70 to 105.70): E

Ion 106.00 (105.70 to 106.70): E





#19

n-Nitroso-di-n-propylamine

Concen: 16.59 ng

RT: 7.42 min Scan# 907

Delta R.T. 0.15 min

Lab File: BF099455.D

Acq: 13 Oct 2017 22:33

Instrument :

BNA_F

ClientSampleId :

Tot Ion: 70 Resp: 79238

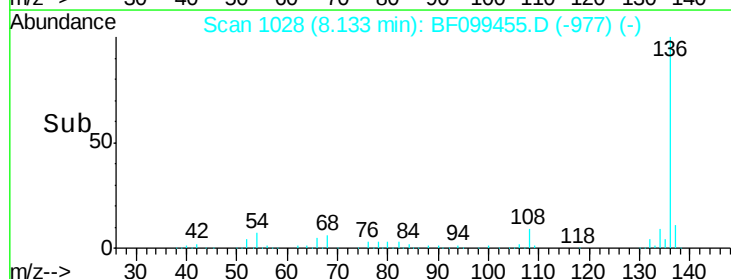
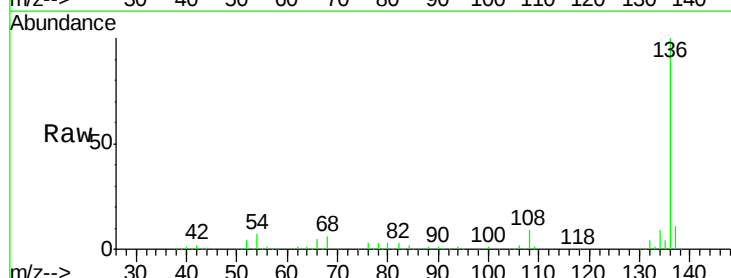
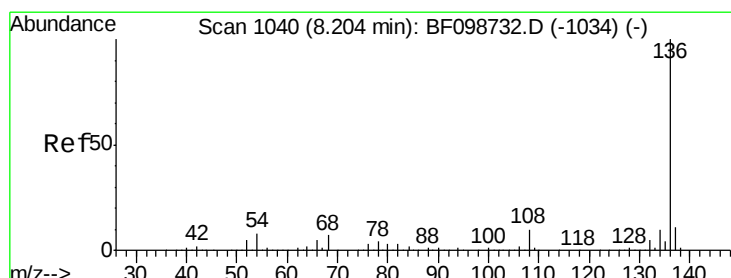
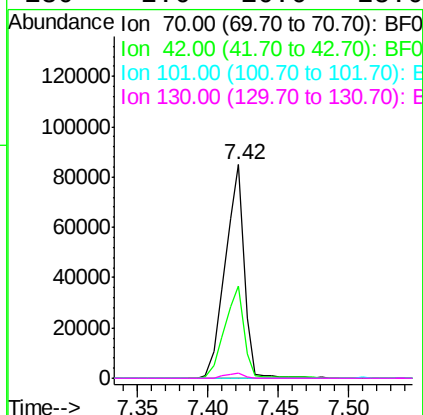
Ion Ratio Lower Upper

70 100

42 43.2 47.5 71.3#

101 0.0 7.4 11.2#

130 2.6 16.6 25.0#



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.13 min Scan# 1028

Delta R.T. -0.00 min

Lab File: BF099455.D

Acq: 13 Oct 2017 22:33

Tgt Ion: 136 Resp: 377511

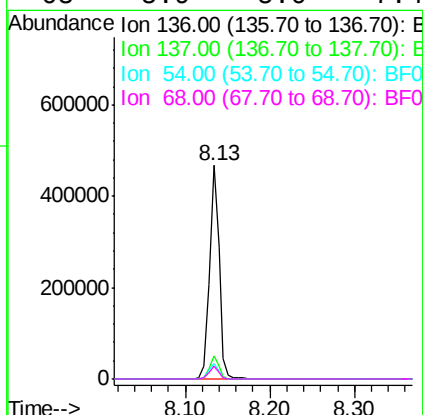
Ion Ratio Lower Upper

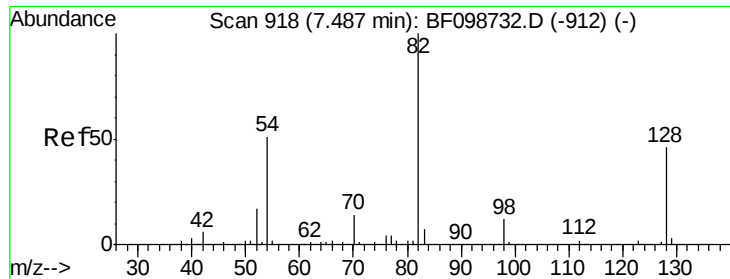
136 100

137 10.9 8.9 13.3

54 7.2 6.6 9.8

68 5.9 5.0 7.4

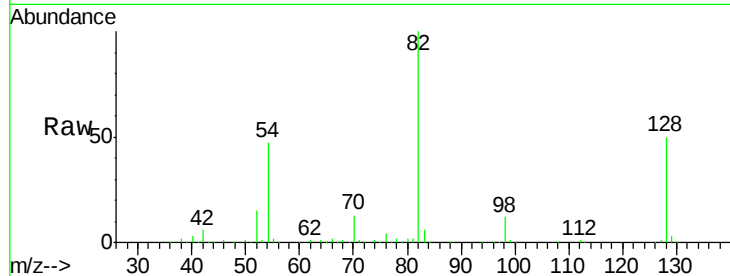




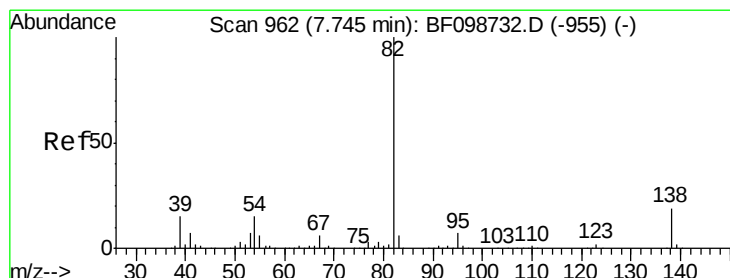
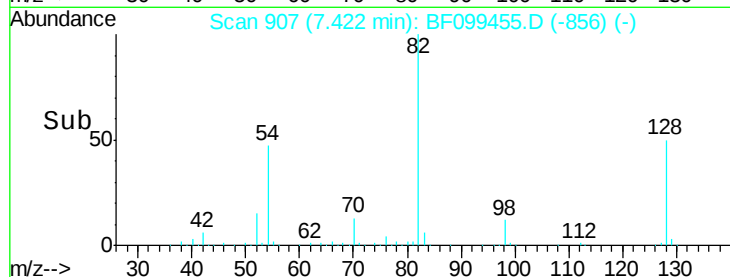
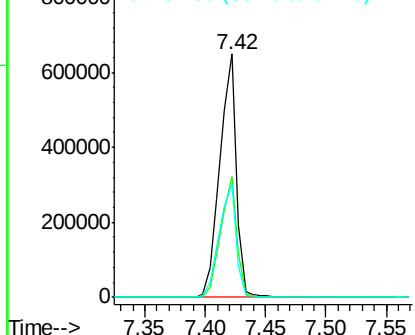
#23
Nitrobenzene-d5
Concen: 104.19 ng
RT: 7.42 min Scan# 907
Delta R.T. -0.00 min
Lab File: BF099455.D
Acq: 13 Oct 2017 22:33

Instrument :
BNA_F
ClientSampled :

Tot Ion	82	Resp	613306
Ion Ratio	100	Lower	Upper
128	49.5	36.1	54.1
54	46.6	41.4	62.2

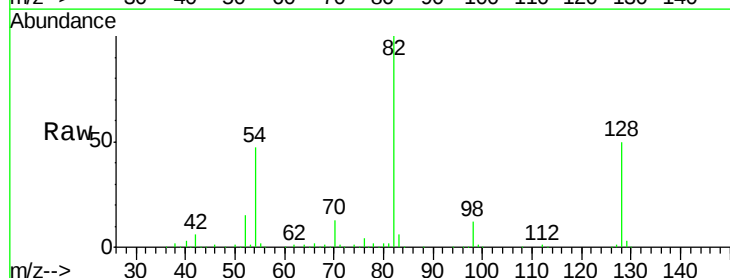


Abundance Ion 82.00 (81.70 to 82.70): BF0
Ion 128.00 (127.70 to 128.70): BF0
Ion 54.00 (53.70 to 54.70): BF0

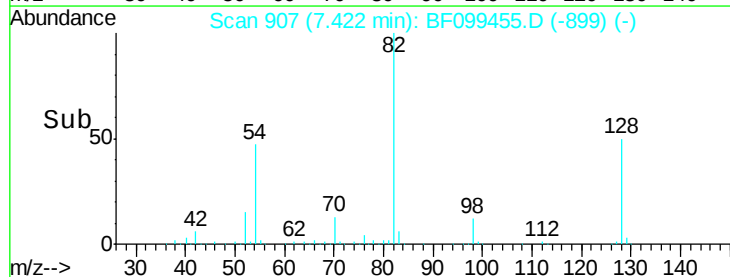
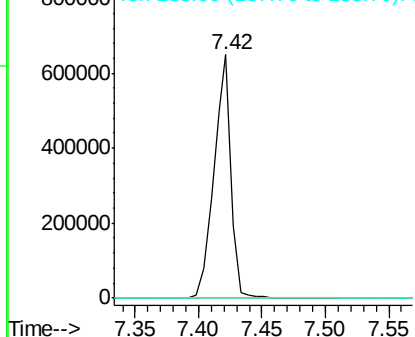


#25
Isophorone
Concen: 50.39 ng
RT: 7.42 min Scan# 907
Delta R.T. -0.25 min
Lab File: BF099455.D
Acq: 13 Oct 2017 22:33

Tgt Ion	82	Resp	613297
Ion Ratio	100	Lower	Upper
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: 9.89 min Scan# 1326

Delta R.T. -0.01 min

Lab File: BF099455.D

Acq: 13 Oct 2017 22:33

Instrument :

BNA_F

ClientSampleId :

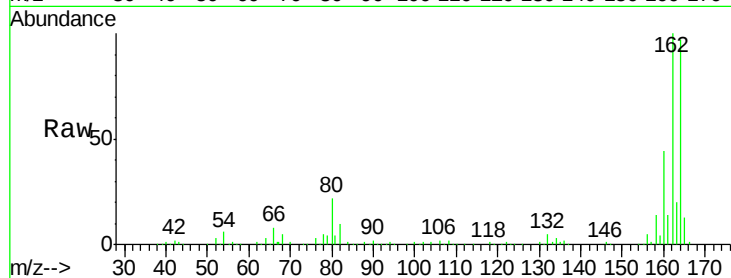
Tot Ion:164 Resp: 148913

Ion Ratio Lower Upper

164 100

162 103.0 86.1 129.1

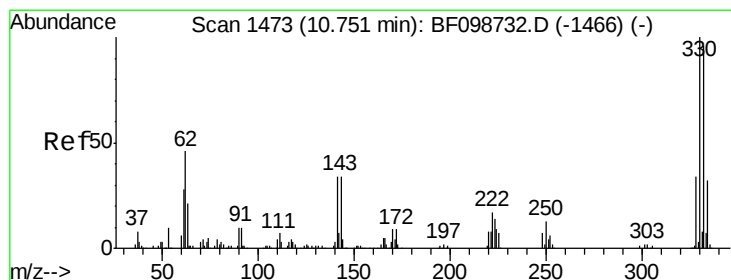
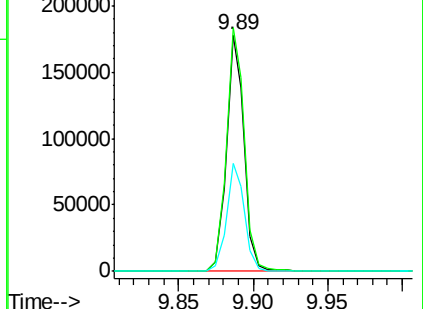
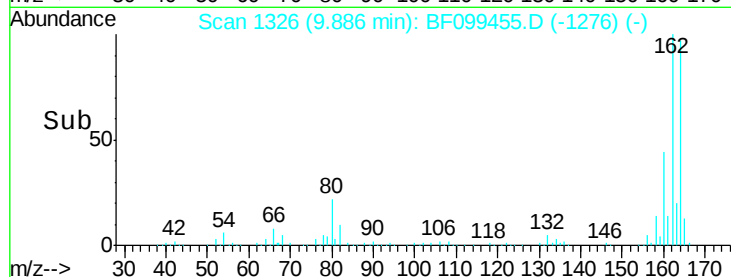
160 45.6 38.3 57.5



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: 137.97 ng

RT: 10.68 min Scan# 1461

Delta R.T. -0.00 min

Lab File: BF099455.D

Acq: 13 Oct 2017 22:33

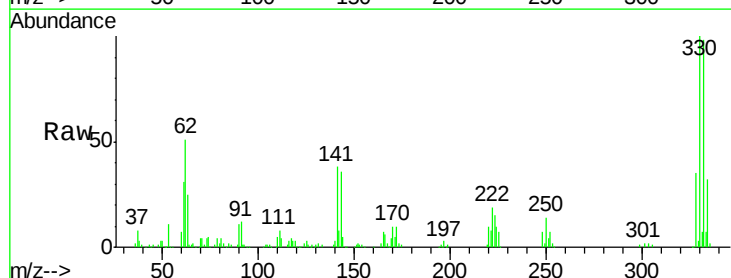
Tgt Ion:330 Resp: 168124

Ion Ratio Lower Upper

330 100

332 96.8 77.0 115.6

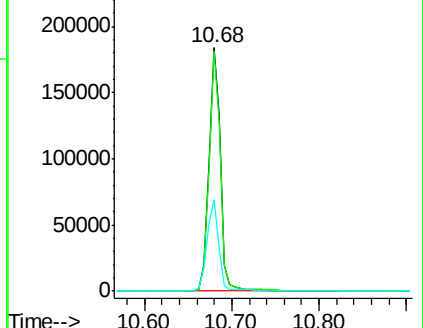
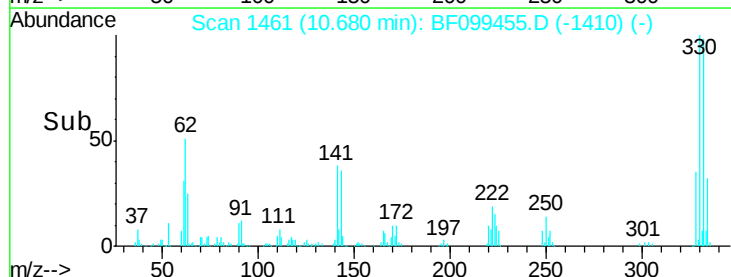
141 38.6 29.9 44.9



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



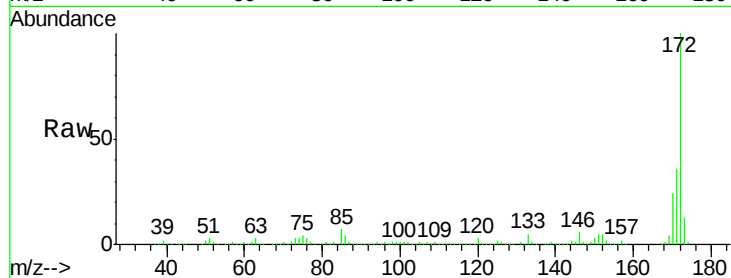


#44
 2-Fluorobiphenyl
 Concen: 118.83 ng
 RT: 9.21 min Scan# 1211
 Delta R.T. -0.00 min
 Lab File: BF099455.D
 Acq: 13 Oct 2017 22:33

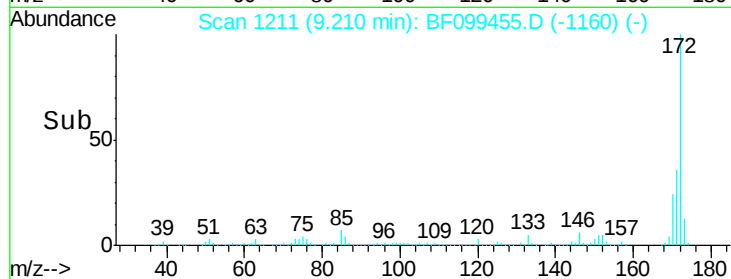
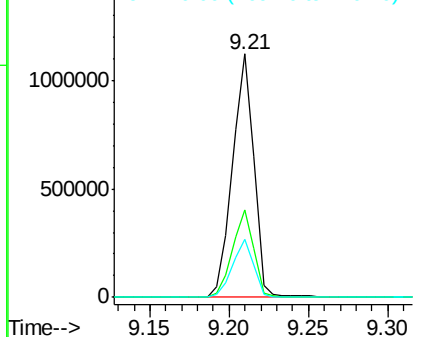
Instrument :
 BNA_F
 ClientSampled :

Tot Ion:172 Resp: 1059947

Ion	Ratio	Lower	Upper
172	100		
171	35.8	29.7	44.5
170	24.0	19.6	29.4



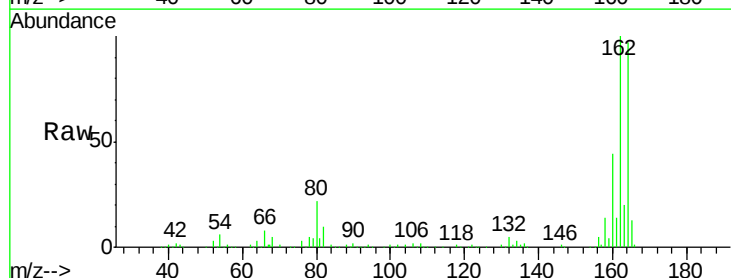
Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E



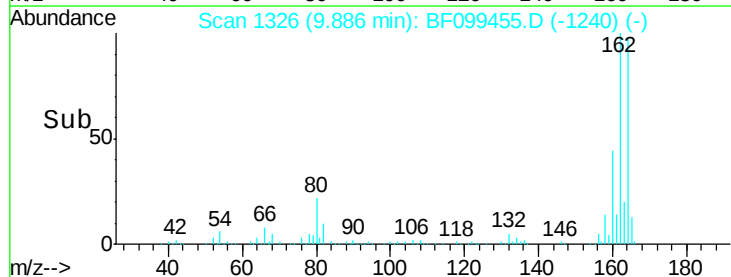
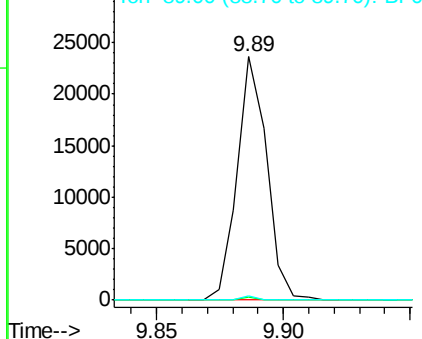
#50
 2,6-Dinitrotoluene
 Concen: 7.83 ng
 RT: 9.89 min Scan# 1326
 Delta R.T. 0.21 min
 Lab File: BF099455.D
 Acq: 13 Oct 2017 22:33

Tgt Ion:165 Resp: 19152

Ion	Ratio	Lower	Upper
165	100		
63	1.3	44.7	67.1#
89	1.7	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

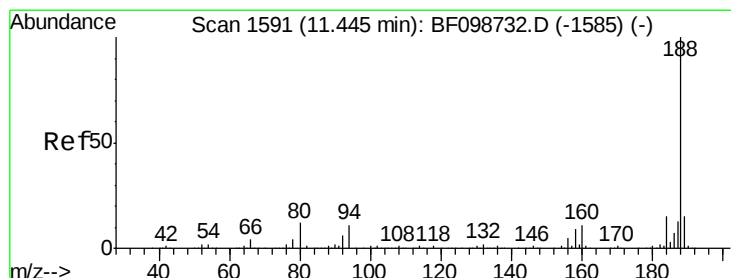
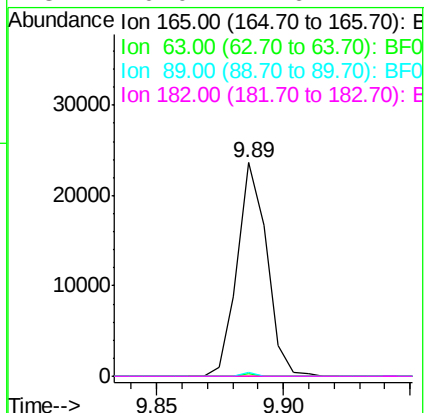
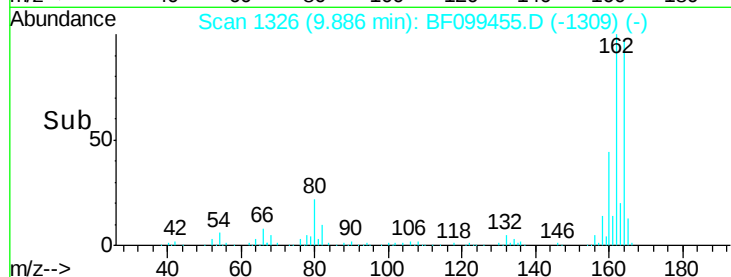
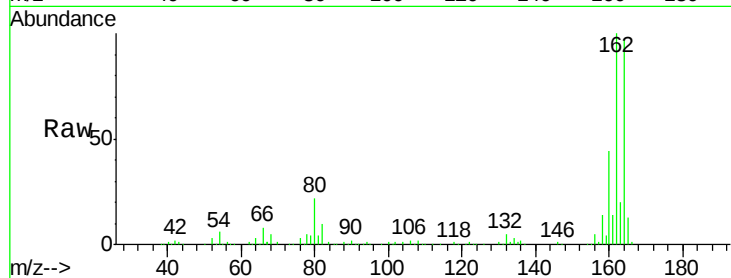




#56
2,4-Dinitrotoluene
Concen: 6.03 ng
RT: 9.89 min Scan# 1326
Delta R.T. -0.20 min
Lab File: BF099455.D
Acq: 13 Oct 2017 22:33

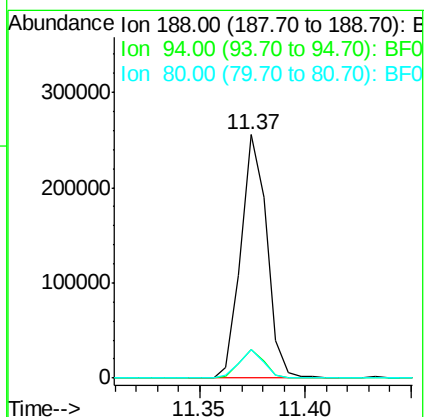
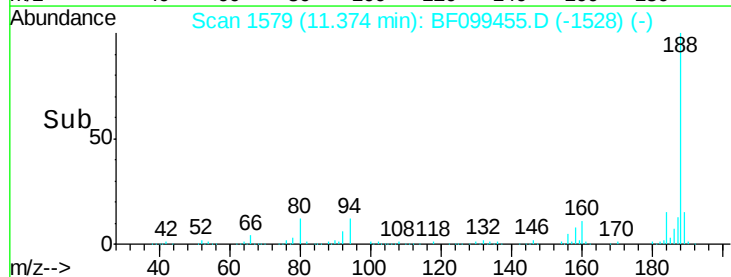
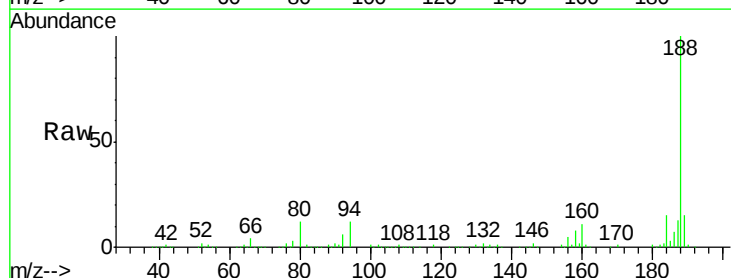
Instrument :
BNA_F
ClientSampleId :

Tot Ion:165	Resp:	19152
Ion Ratio	Lower	Upper
165	100	
63	1.3	36.4 54.6#
89	1.7	57.8 86.6#
182	0.0	1.6 2.4#



#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.37 min Scan# 1579
Delta R.T. -0.00 min
Lab File: BF099455.D
Acq: 13 Oct 2017 22:33

Tgt Ion:188	Resp:	217332
Ion Ratio	Lower	Upper
188	100	
94	11.6	8.5 12.7
80	11.8	9.2 13.8

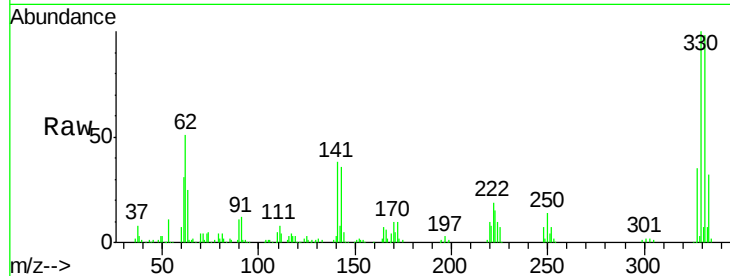




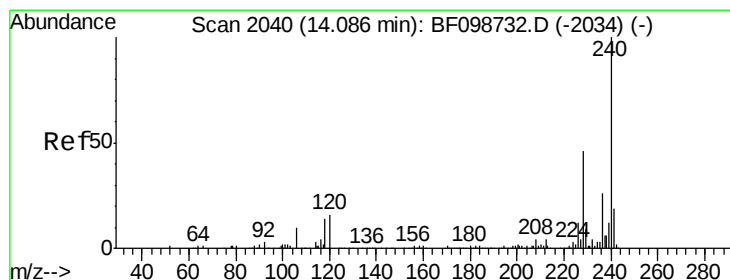
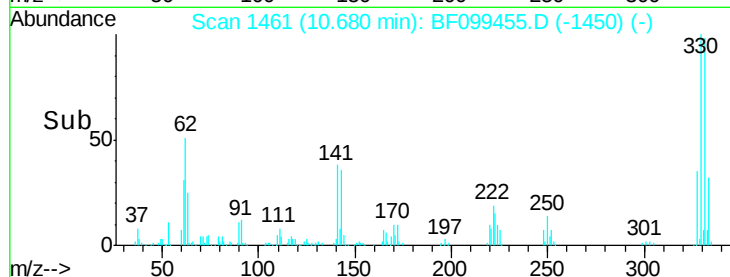
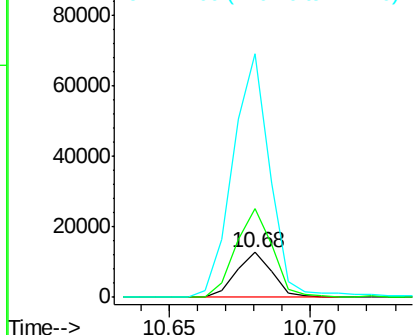
#66
4-Bromophenyl-phenylether
Concen: 5.25 ng
RT: 10.68 min Scan# 1461
Delta R.T. -0.24 min
Lab File: BF099455.D
Acq: 13 Oct 2017 22:33

Instrument :
BNA_F
ClientSampled :

Tot Ion:248 Resp: 11173
Ion Ratio Lower Upper
248 100
250 198.0 76.9 115.3#
141 544.5 74.4 111.6#

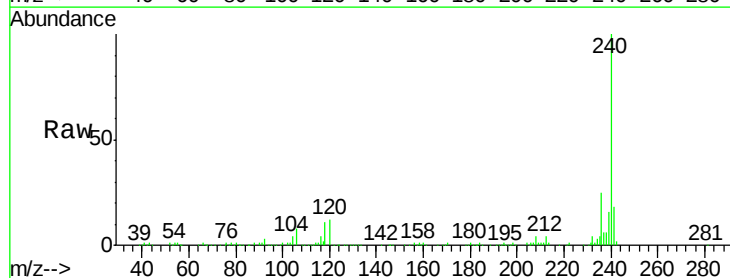


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

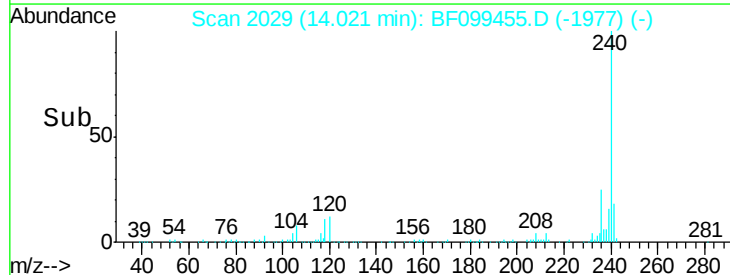
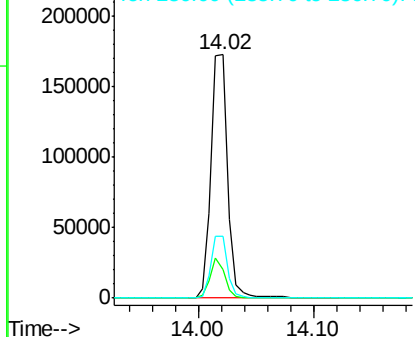


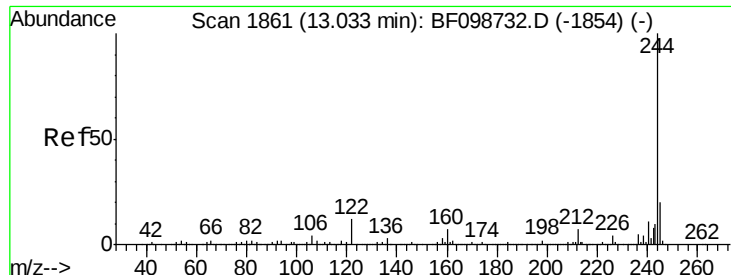
#75
Chrysene-d12
Concen: 20.00 ng
RT: 14.02 min Scan# 2029
Delta R.T. 0.01 min
Lab File: BF099455.D
Acq: 13 Oct 2017 22:33

Tgt Ion:240 Resp: 172393
Ion Ratio Lower Upper
240 100
120 11.6 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: 90.89 ng

RT: 12.96 min Scan# 1849

Delta R.T. 0.01 min

Lab File: BF099455.D

Acq: 13 Oct 2017 22:33

Instrument :

BNA_F

ClientSampleId :

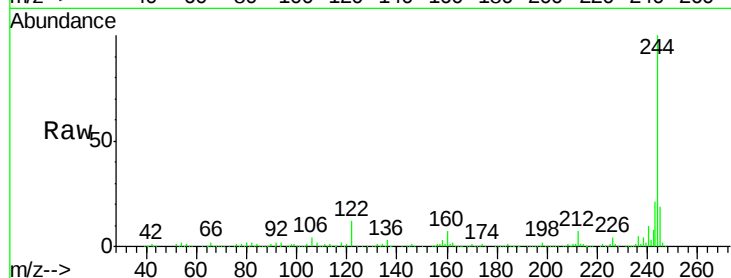
Tot Ion:244 Resp: 688955

Ion Ratio Lower Upper

244 100

212 6.8 5.4 8.0

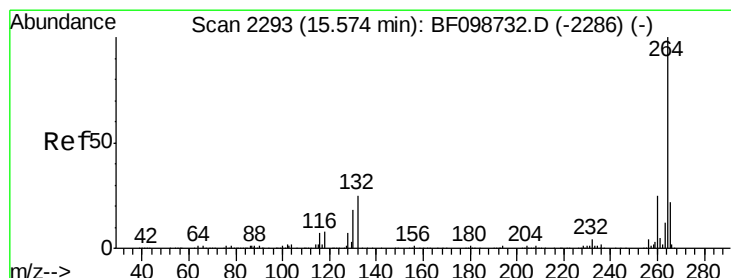
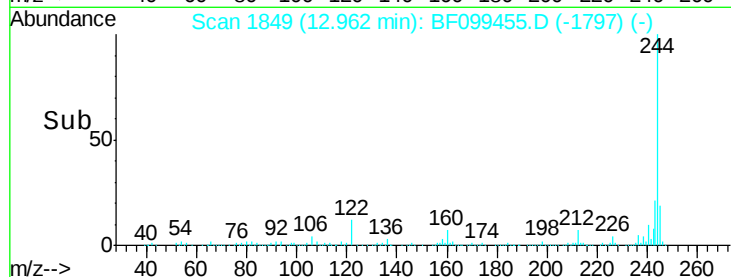
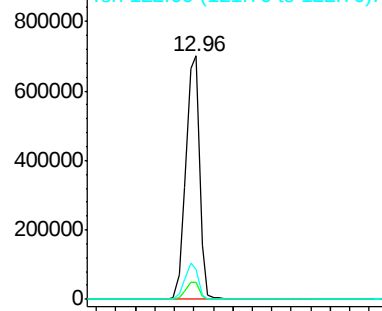
122 12.0 11.0 16.4



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: 15.49 min Scan# 2279

Delta R.T. 0.01 min

Lab File: BF099455.D

Acq: 13 Oct 2017 22:33

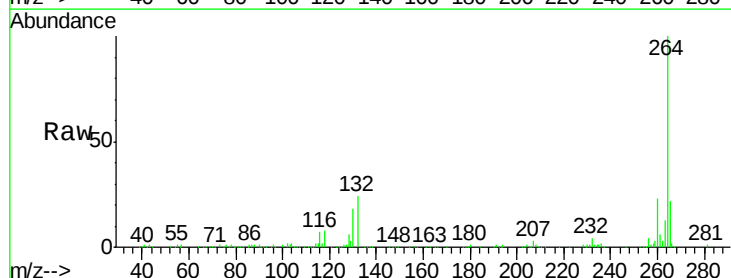
Tgt Ion:264 Resp: 192077

Ion Ratio Lower Upper

264 100

260 22.9 19.2 28.8

265 21.9 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

