

Data Path : Z:\HPCHEM1\BNA F\DATA\BF103017\
 Data File : BF099963.D
 Acq On : 30 Oct 2017 16:53
 Operator : SJ/JU
 Sample : I6171-01 5X
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Oct 31 02:26:43 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF102317.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Oct 27 15:58:57 2017
 Response via : Initial Calibration

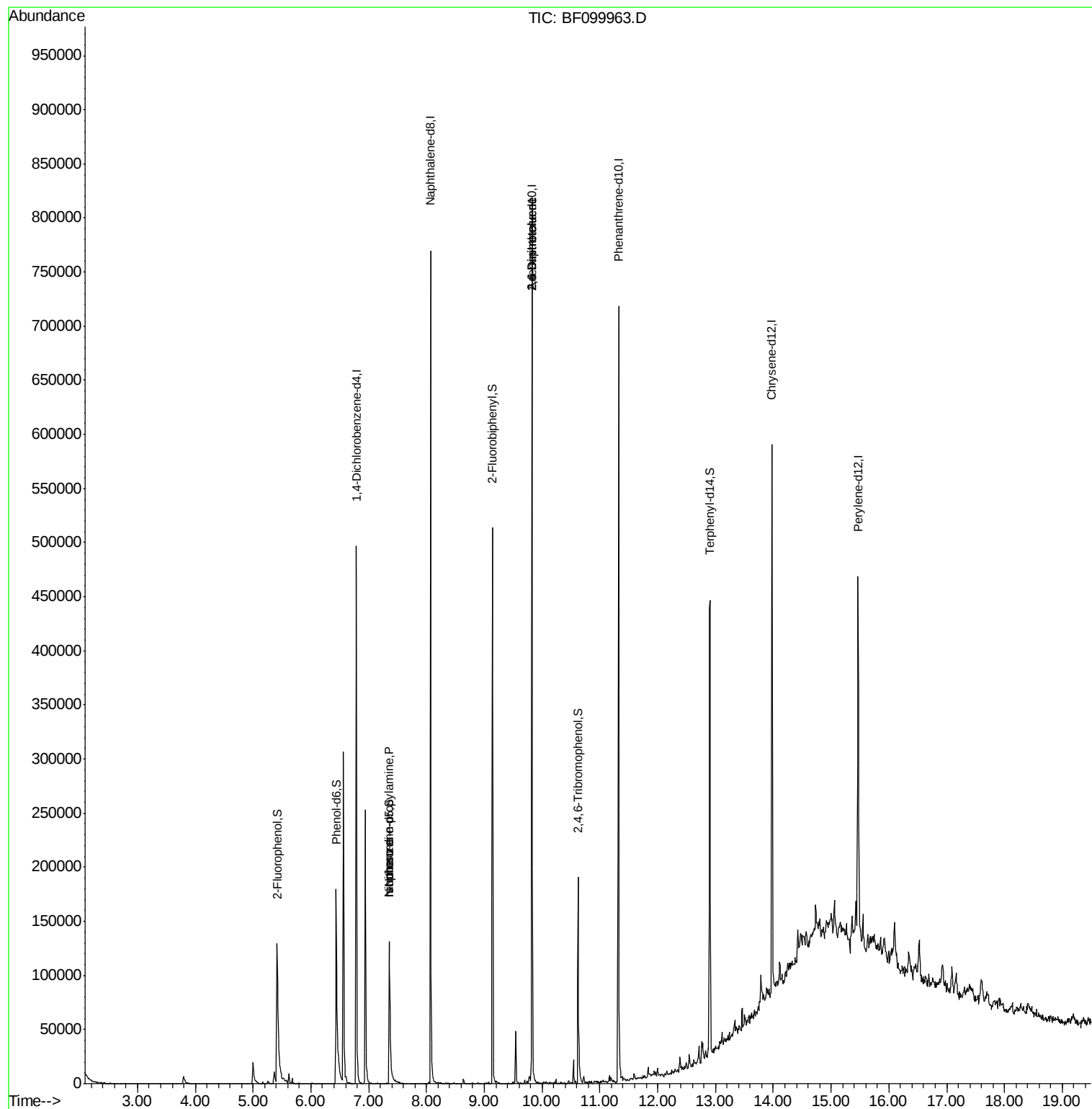
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.79	152	86231	20.00	ng	0.00
21) Naphthalene-d8	8.07	136	357974	20.00	ng	-0.01
38) Acenaphthene-d10	9.82	164	165207	20.00	ng	-0.02
63) Phenanthrene-d10	11.32	188	292593	20.00	ng	-0.02
75) Chrysene-d12	13.97	240	183506	20.00	ng	-0.02
86) Perylene-d12	15.47	264	164541	20.00	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.42	112	90855	16.54	ng	0.00
7) Phenol-d6	6.43	99	118769	18.24	ng	0.00
23) Nitrobenzene-d5	7.36	82	63069	11.34	ng	-0.01
41) 2,4,6-Tribromophenol	10.62	330	27799	18.46	ng	-0.02
44) 2-Fluorobiphenyl	9.14	172	160139	14.96	ng	-0.02
78) Terphenyl-d14	12.90	244	141371	16.84	ng	-0.02
Target Compounds						
19) n-Nitroso-di-n-propylamine	7.36	70	7810	2.046	ng	# 77
25) Isophorone	7.36	82	63069	6.251	ng	# 64
50) 2,6-Dinitrotoluene	9.82	165	20642	7.505	ng	# 25
56) 2,4-Dinitrotoluene	9.82	165	20642	6.232	ng	# 22

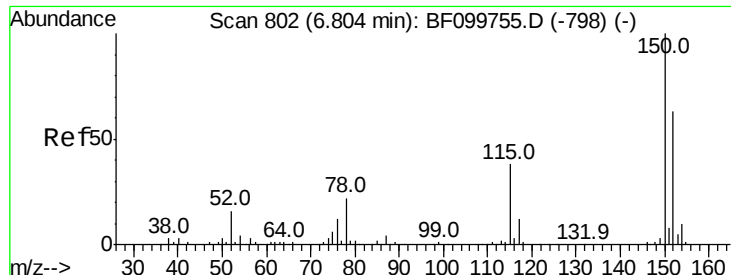
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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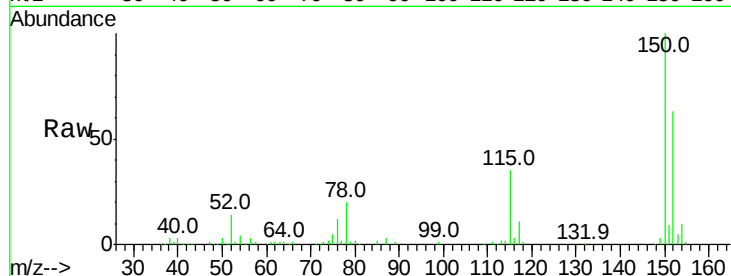


#1

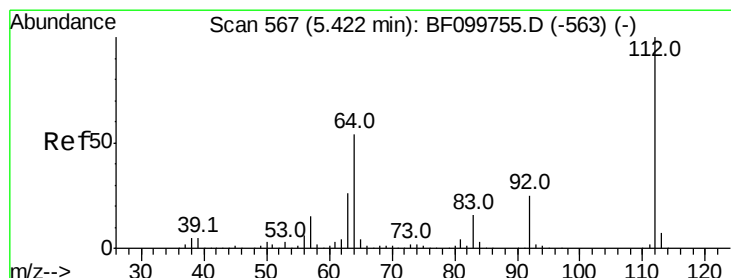
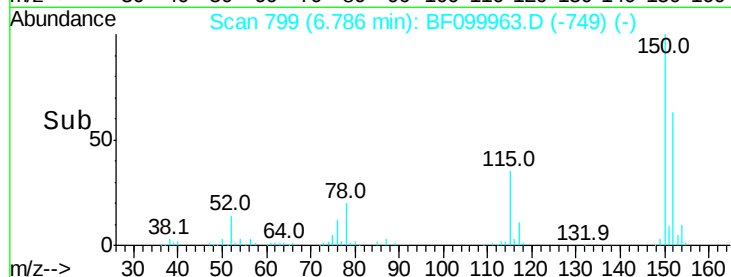
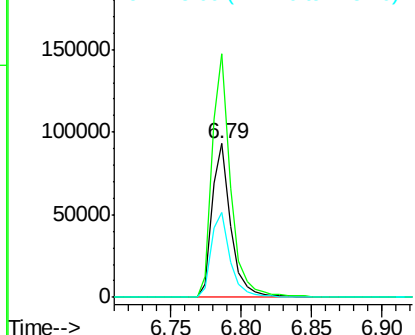
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.79 min Scan# 799
Delta R.T. -0.01 min
Lab File: BF099963.D
Acq: 30 Oct 2017 16:53

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 86231
Ion Ratio Lower Upper
152 100
150 158.6 124.6 186.8
115 55.3 50.1 75.1



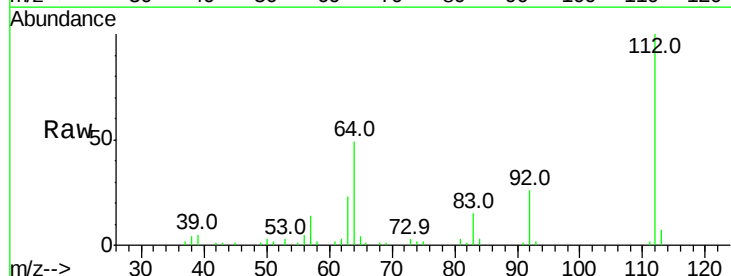
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



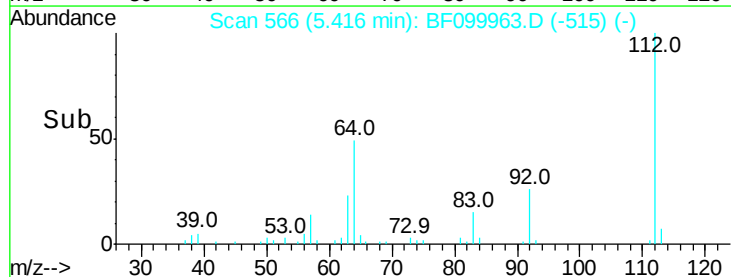
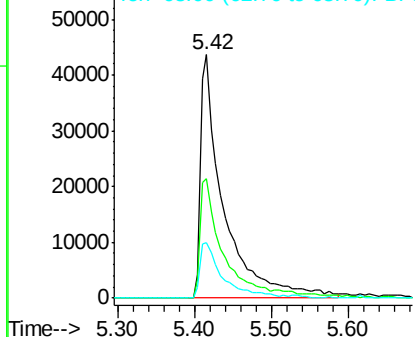
#5

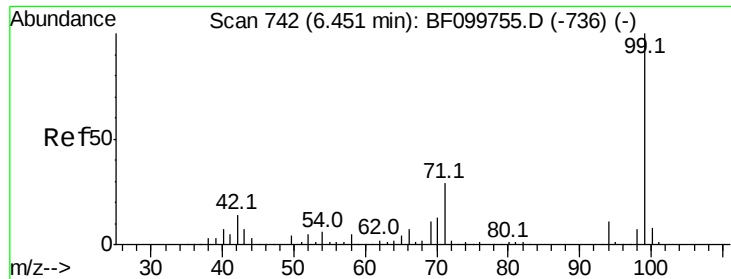
2-Fluorophenol
Concen: 16.542 ng
RT: 5.42 min Scan# 566
Delta R.T. -0.00 min
Lab File: BF099963.D
Acq: 30 Oct 2017 16:53

Tgt Ion:112 Resp: 90855
Ion Ratio Lower Upper
112 100
64 48.9 47.9 71.9
63 22.9 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: 18.237 ng

RT: 6.43 min Scan# 739

Delta R.T. -0.01 min

Lab File: BF099963.D

Acq: 30 Oct 2017 16:53

Instrument :

BNA_F

ClientSampleId :

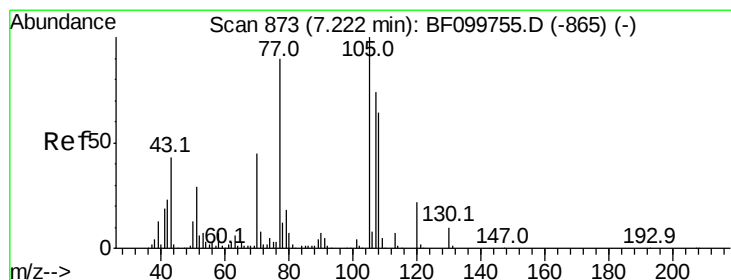
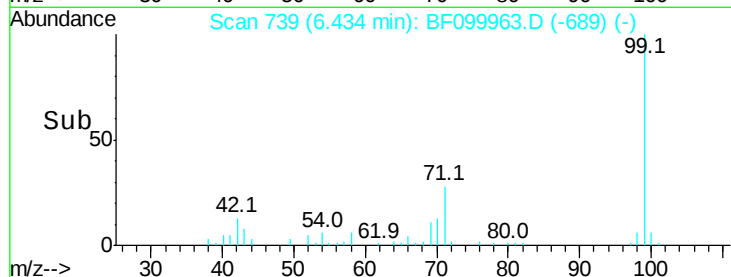
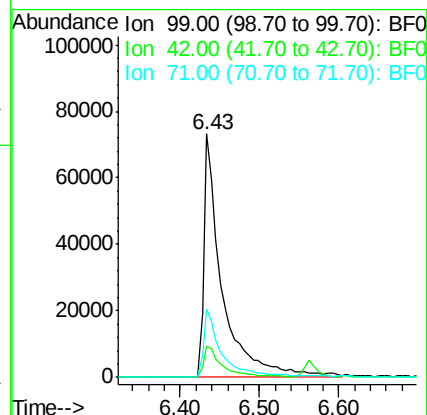
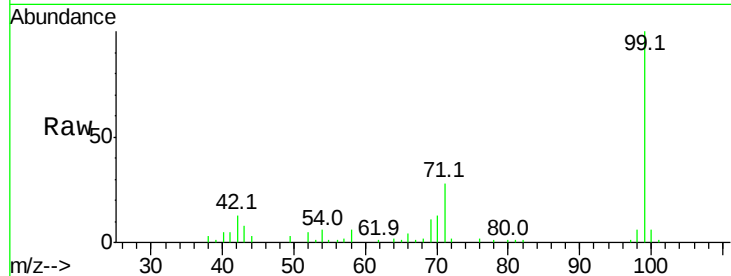
Tot Ion: 99 Resp: 118769

Ion Ratio Lower Upper

99 100

42 12.9 14.5 21.7#

71 27.9 25.4 38.0



#19

n-Nitroso-di-n-propylamine

Concen: 2.046 ng

RT: 7.36 min Scan# 896

Delta R.T. 0.15 min

Lab File: BF099963.D

Acq: 30 Oct 2017 16:53

Tgt Ion: 70 Resp: 7810

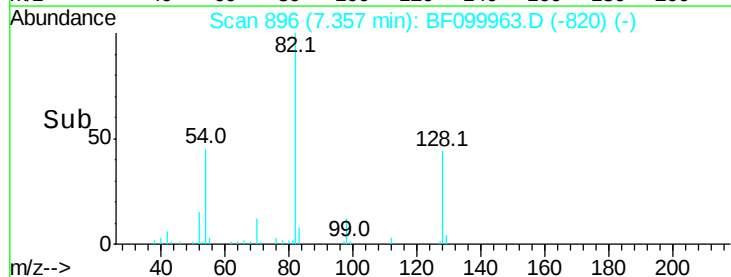
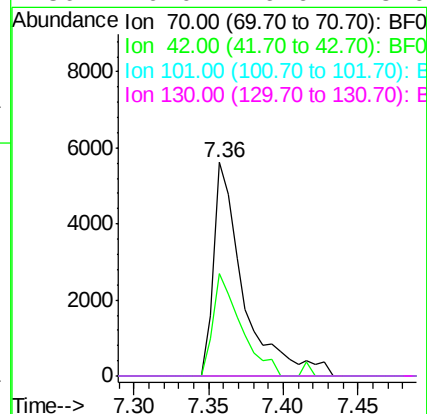
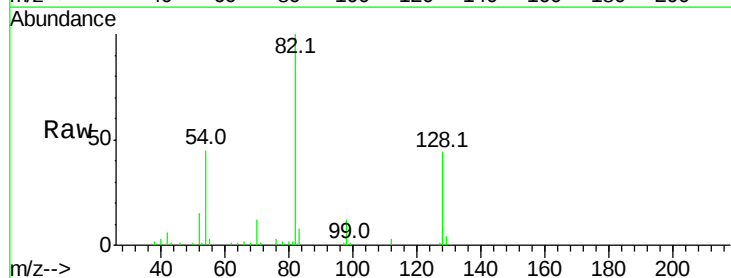
Ion Ratio Lower Upper

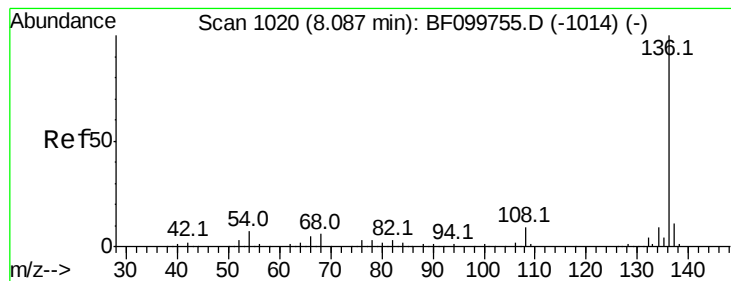
70 100

42 47.9 47.5 71.3

101 0.0 7.4 11.2#

130 0.0 16.6 25.0#





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.07 min Scan# 1017

Delta R.T. -0.01 min

Lab File: BF099963.D

Acq: 30 Oct 2017 16:53

Instrument :

BNA_F

ClientSampleId :

Tot Ion:136 Resp: 357974

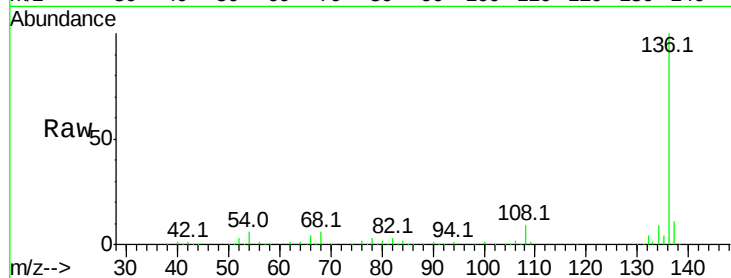
Ion Ratio Lower Upper

136 100

137 10.6 8.9 13.3

54 6.1 6.6 9.8#

68 5.8 5.0 7.4

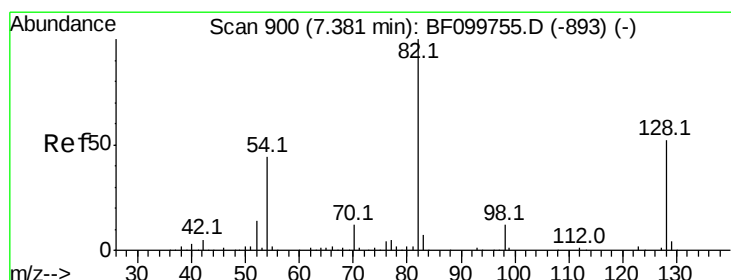
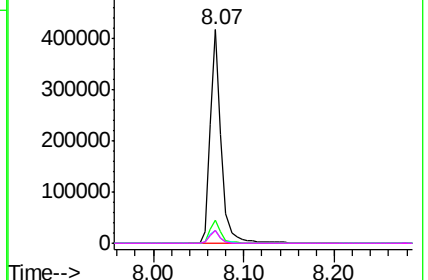
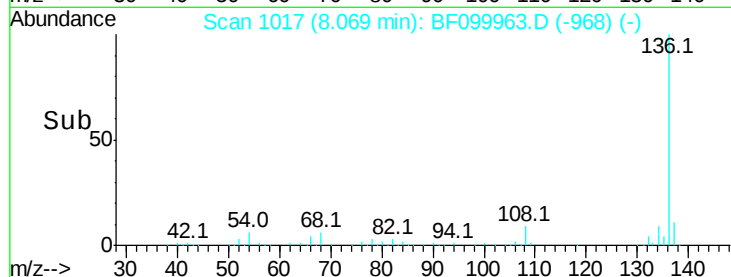


Abundance Ion 136.00 (135.70 to 136.70): E

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: 11.343 ng

RT: 7.36 min Scan# 896

Delta R.T. -0.01 min

Lab File: BF099963.D

Acq: 30 Oct 2017 16:53

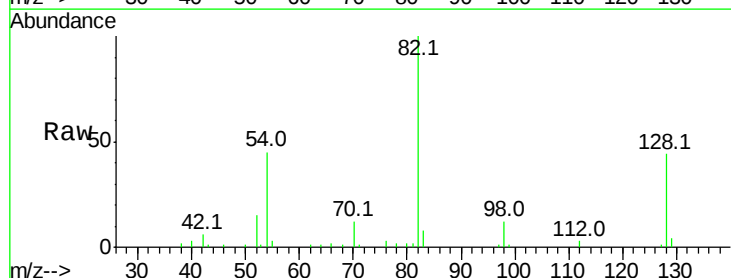
Tgt Ion: 82 Resp: 63069

Ion Ratio Lower Upper

82 100

128 44.2 36.1 54.1

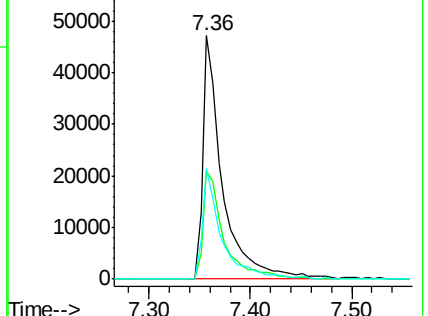
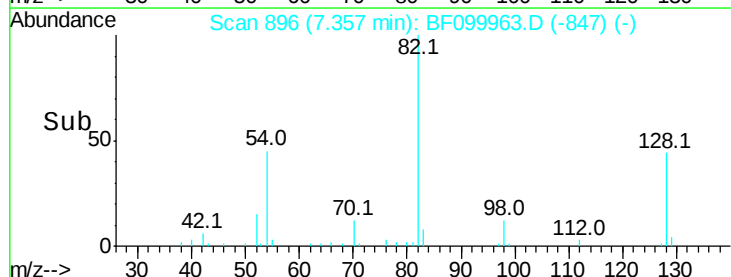
54 45.4 41.4 62.2

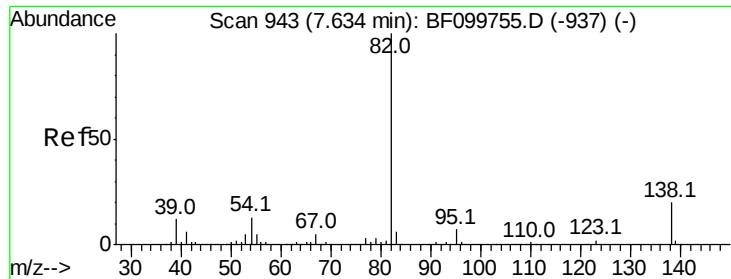


Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF0





#25

Isophorone

Concen: 6.251 ng

RT: 7.36 min Scan# 896

Delta R.T. -0.26 min

Lab File: BF099963.D

Acq: 30 Oct 2017 16:53

Instrument :

BNA_F

ClientSampleId :

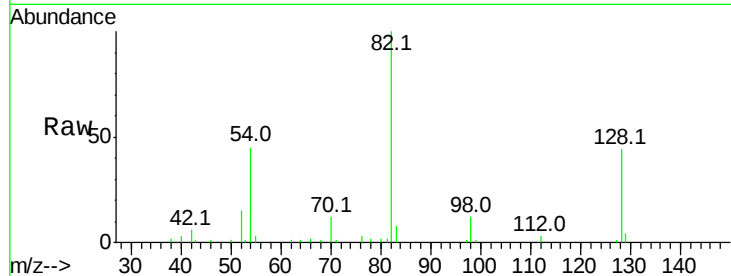
Tot Ion: 82 Resp: 63069

Ion Ratio Lower Upper

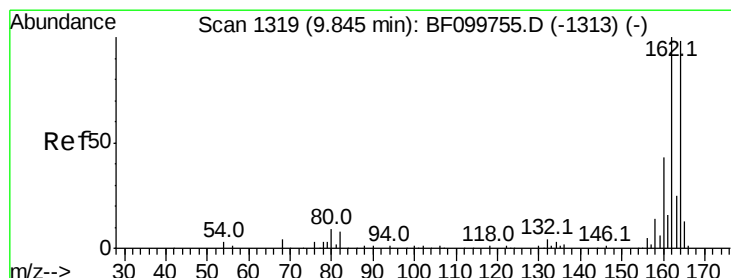
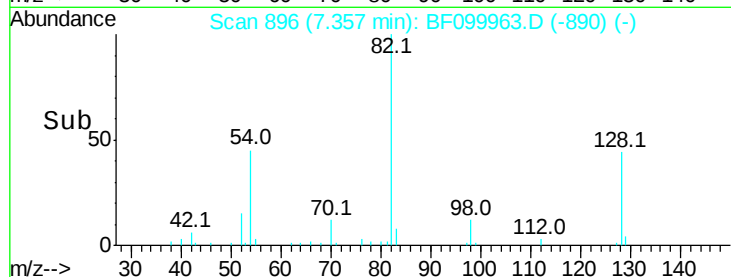
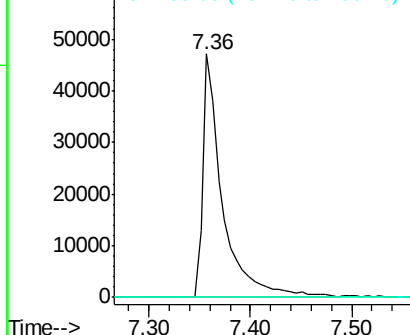
82 100

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: 9.82 min Scan# 1315

Delta R.T. -0.02 min

Lab File: BF099963.D

Acq: 30 Oct 2017 16:53

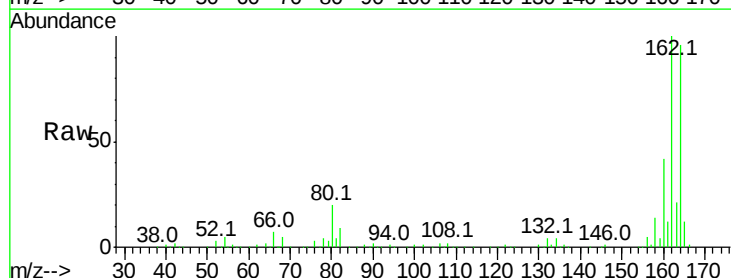
Tgt Ion:164 Resp: 165207

Ion Ratio Lower Upper

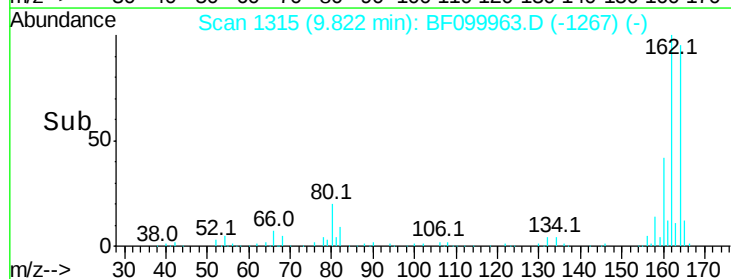
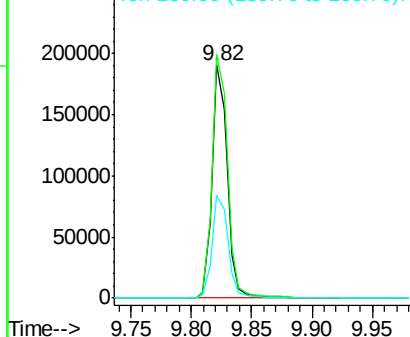
164 100

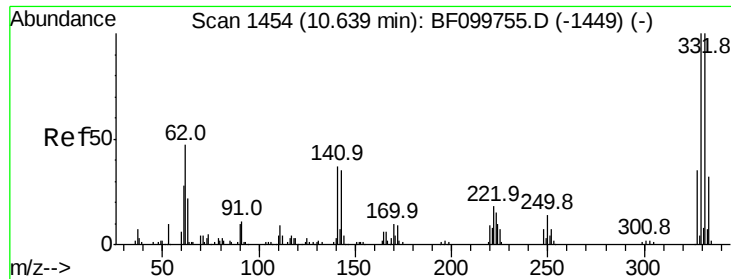
162 104.4 86.1 129.1

160 44.0 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: 18.464 ng

RT: 10.62 min Scan# 1451

Delta R.T. -0.02 min

Lab File: BF099963.D

Acq: 30 Oct 2017 16:53

Instrument :

BNA_F

ClientSampleId :

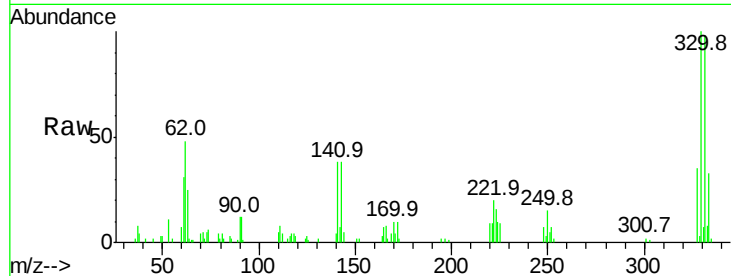
Tot Ion:330 Resp: 27799

Ion Ratio Lower Upper

330 100

332 94.7 77.0 115.6

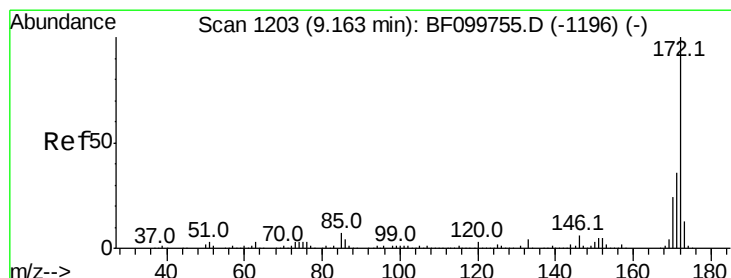
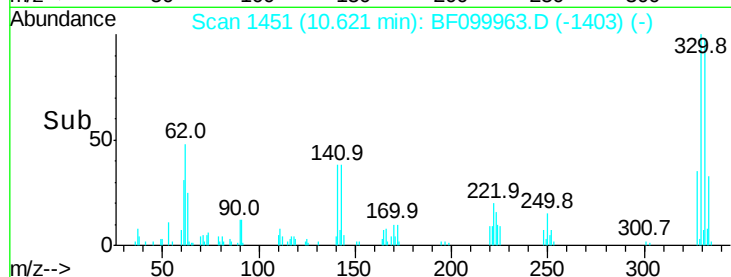
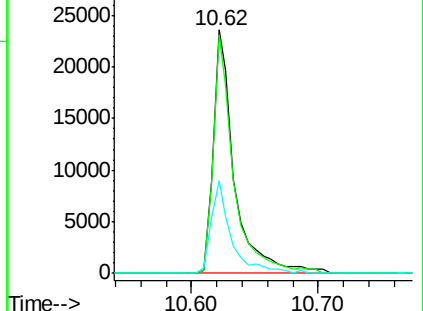
141 36.0 29.9 44.9



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: 14.955 ng

RT: 9.14 min Scan# 1199

Delta R.T. -0.02 min

Lab File: BF099963.D

Acq: 30 Oct 2017 16:53

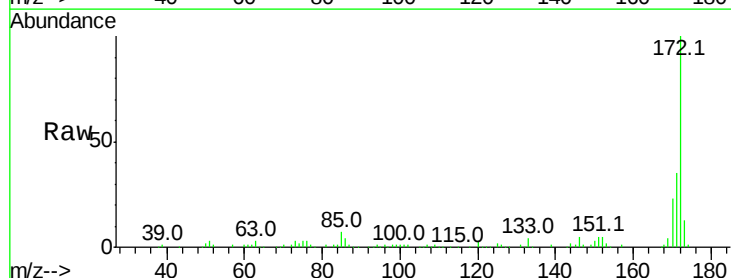
Tgt Ion:172 Resp: 160139

Ion Ratio Lower Upper

172 100

171 35.2 29.7 44.5

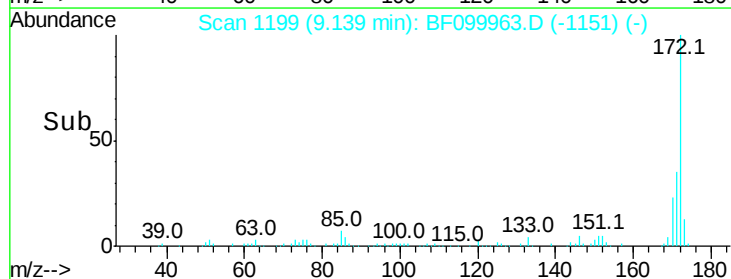
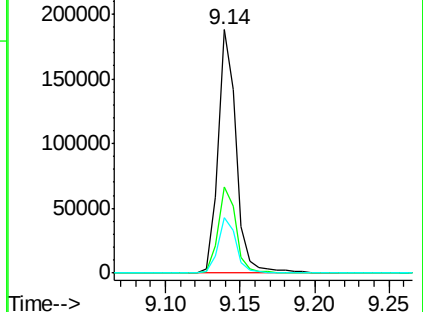
170 22.9 19.6 29.4

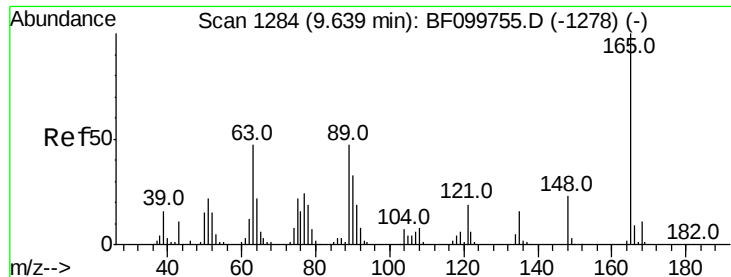


Abundance Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E

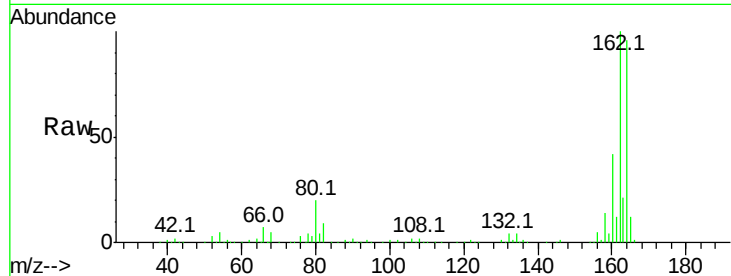




#50
2,6-Dinitrotoluene
Concen: 7.505 ng
RT: 9.82 min Scan# 1315
Delta R.T. 0.18 min
Lab File: BF099963.D
Acq: 30 Oct 2017 16:53

Instrument :
BNA_F
ClientSampleId :

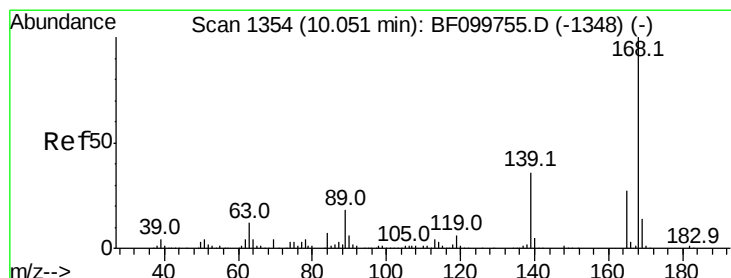
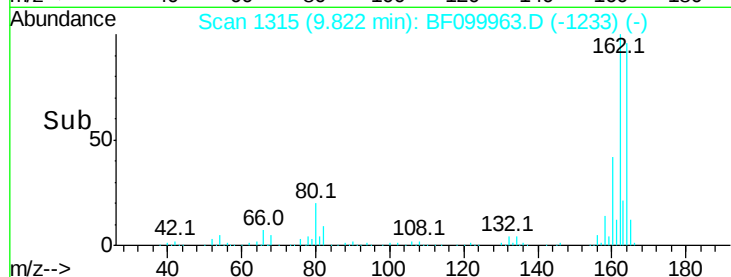
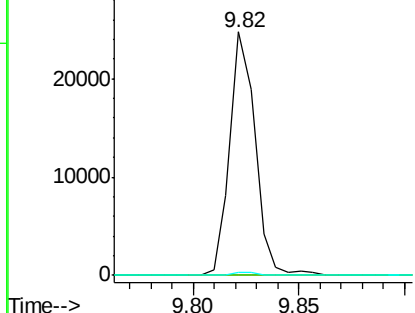
Tot Ion	Ratio	Lower	Upper
165	100		
63	0.0	44.7	67.1#
89	1.4	44.0	66.0#



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: 6.232 ng
RT: 9.82 min Scan# 1315
Delta R.T. -0.23 min
Lab File: BF099963.D
Acq: 30 Oct 2017 16:53

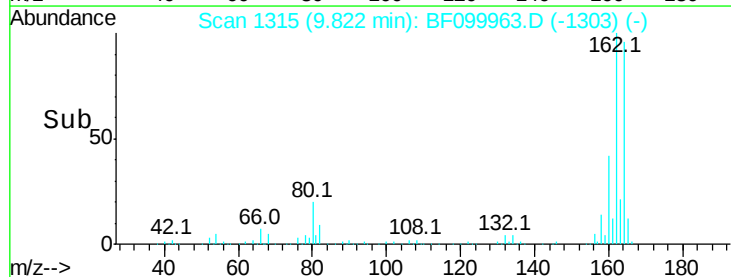
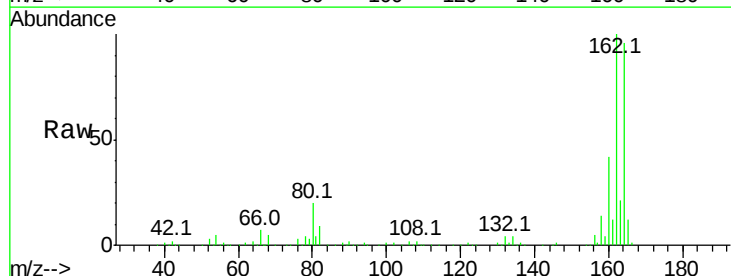
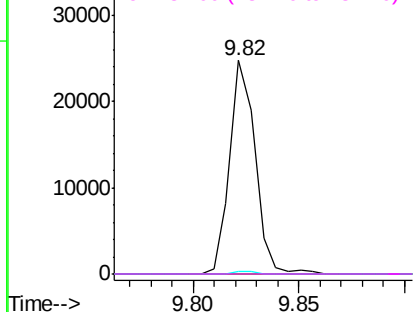
Tgt Ion	Ratio	Lower	Upper
165	100		
63	0.0	36.4	54.6#
89	1.4	57.8	86.6#
182	0.0	1.6	2.4#

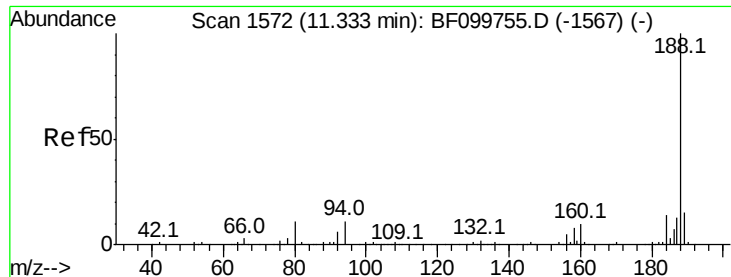
Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF0

Ion 89.00 (88.70 to 89.70): BF0

Ion 182.00 (181.70 to 182.70): E

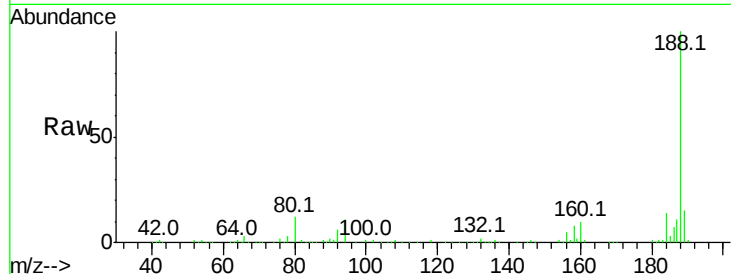




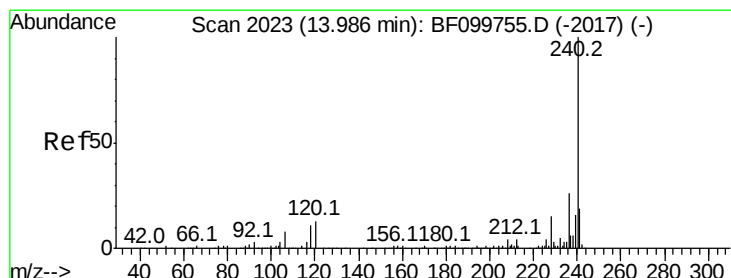
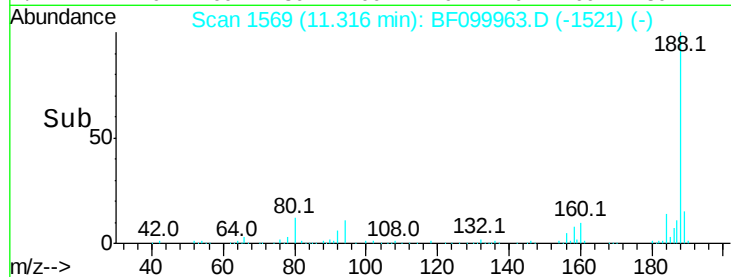
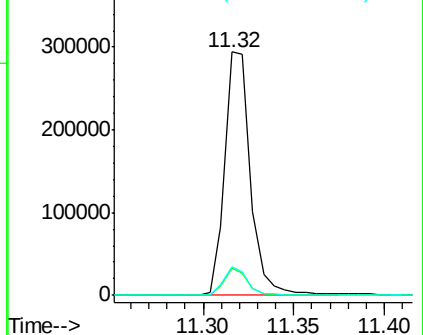
#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.32 min Scan# 1569
Delta R.T. -0.02 min
Lab File: BF099963.D
Acq: 30 Oct 2017 16:53

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
188	100		
94	11.0	8.5	12.7
80	11.6	9.2	13.8

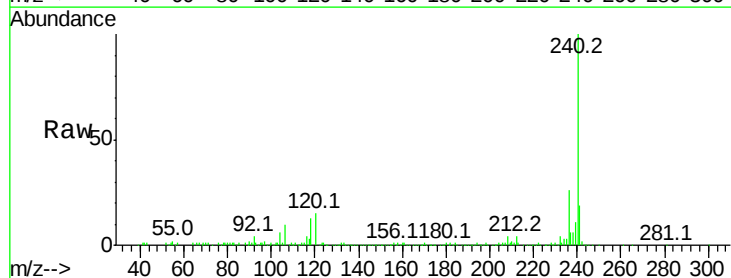


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF0
Ion 80.00 (79.70 to 80.70): BF0

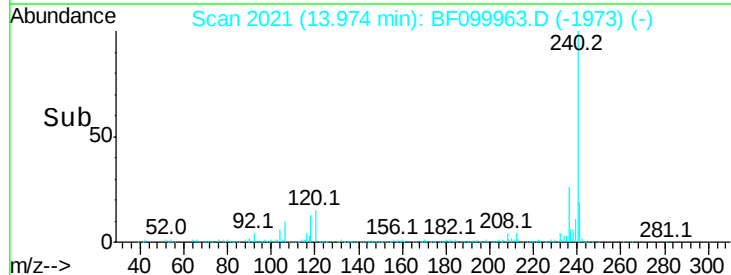
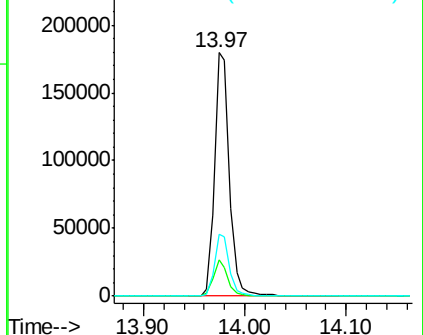


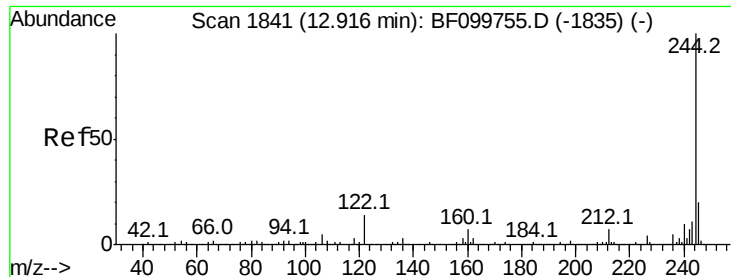
#75
Chrysene-d12
Concen: 20.000 ng
RT: 13.97 min Scan# 2021
Delta R.T. -0.02 min
Lab File: BF099963.D
Acq: 30 Oct 2017 16:53

Tgt Ion	Ratio	Lower	Upper
240	100		
120	14.9	9.5	14.3#
236	25.6	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: 16.836 ng

RT: 12.90 min Scan# 1839

Delta R.T. -0.02 min

Lab File: BF099963.D

Acq: 30 Oct 2017 16:53

Instrument :

BNA_F

ClientSampleId :

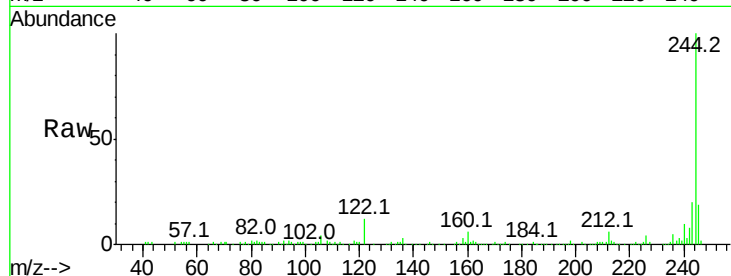
Tot Ion:244 Resp: 141371

Ion Ratio Lower Upper

244 100

212 6.3 5.4 8.0

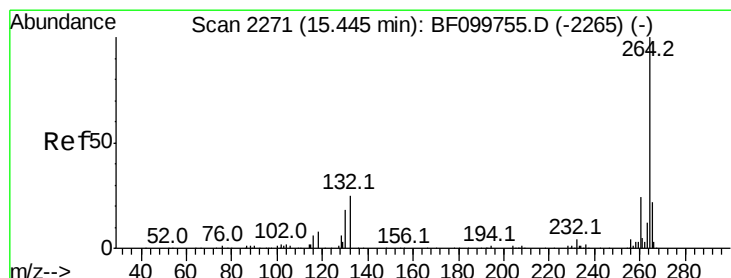
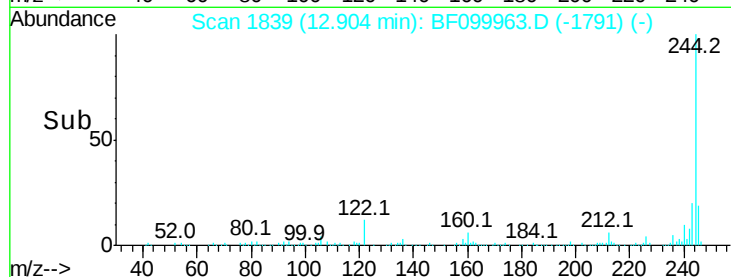
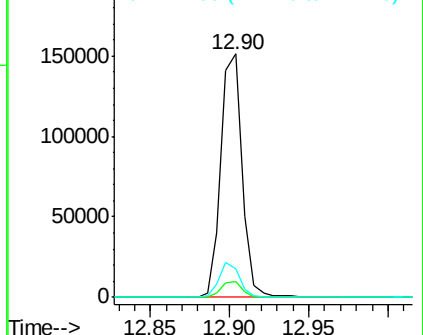
122 11.7 11.0 16.4



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: 20.000 ng

RT: 15.47 min Scan# 2275

Delta R.T. 0.01 min

Lab File: BF099963.D

Acq: 30 Oct 2017 16:53

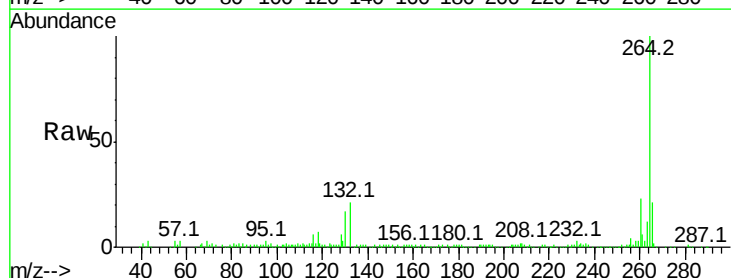
Tgt Ion:264 Resp: 164541

Ion Ratio Lower Upper

264 100

260 23.3 19.2 28.8

265 21.0 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

