

Data Path : Z:\HPCHEM1\BNA F\DATA\BF102417\
 Data File : BF099785.D
 Acq On : 24 Oct 2017 13:52
 Operator : SJ/JU
 Sample : PB103578BL
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Oct 24 18:08:49 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

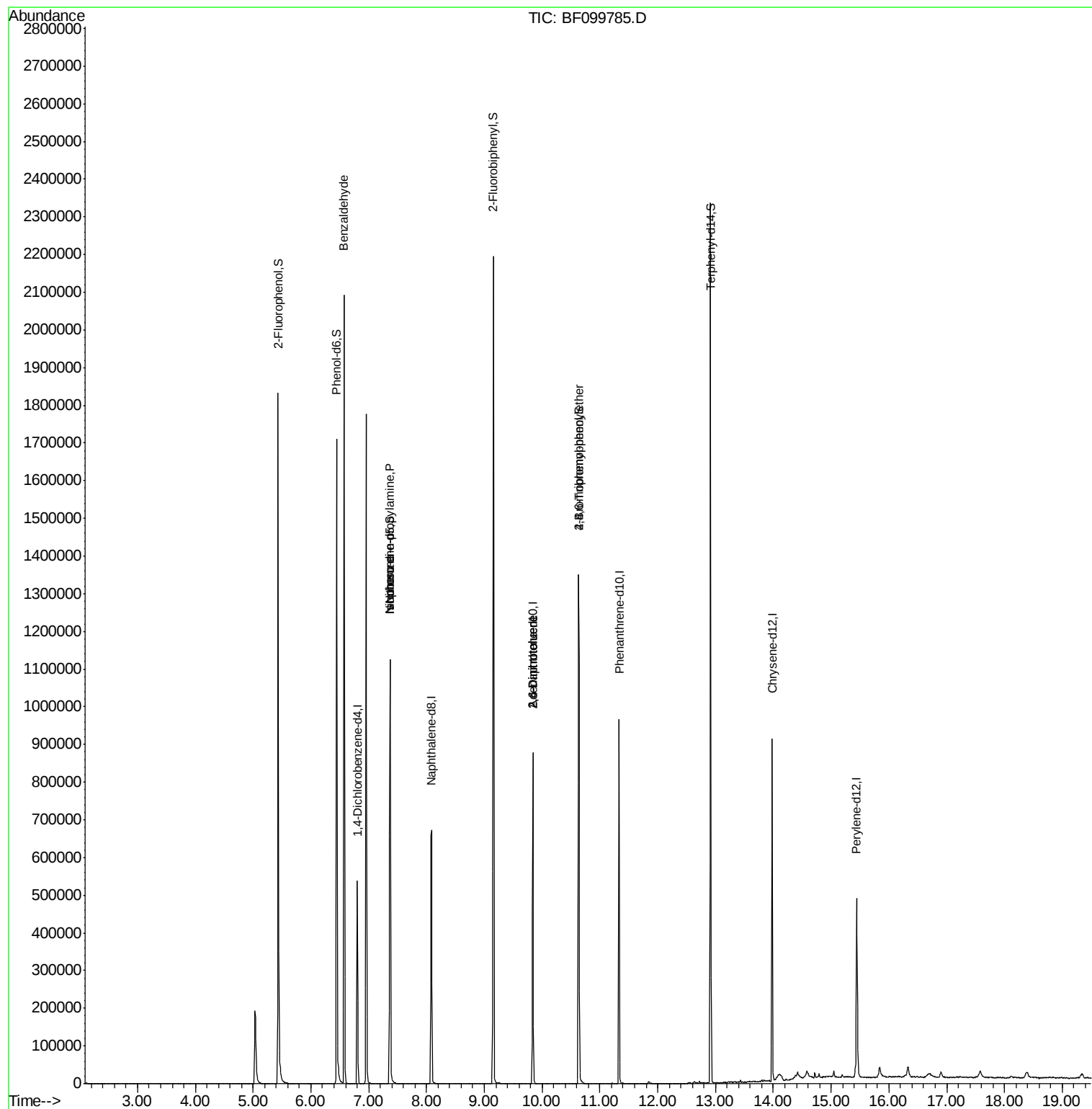
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.80	152	88691	20.00	ng	0.00
21) Naphthalene-d8	8.09	136	372491	20.00	ng	0.00
38) Acenaphthene-d10	9.84	164	180527	20.00	ng	0.00
63) Phenanthrene-d10	11.33	188	353341	20.00	ng	0.00
75) Chrysene-d12	13.98	240	289549	20.00	ng	0.00
86) Perylene-d12	15.44	264	217119	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.43	112	609800	107.94	ng	0.01
7) Phenol-d6	6.45	99	717848	107.17	ng	0.00
23) Nitrobenzene-d5	7.37	82	418183	72.28	ng	-0.01
41) 2,4,6-Tribromophenol	10.64	330	179532	109.13	ng	0.00
44) 2-Fluorobiphenyl	9.16	172	880642	75.26	ng	0.00
78) Terphenyl-d14	12.92	244	867151	65.45	ng	0.00
Target Compounds						
9) Benzaldehyde	6.57	77	11300	2.823	ng	90
19) n-Nitroso-di-n-propylamine	7.37	70	51933	13.230	ng	# 73
25) Isophorone	7.37	82	418179	39.831	ng	# 64
50) 2,6-Dinitrotoluene	9.84	165	22159	7.373	ng	# 24
56) 2,4-Dinitrotoluene	9.84	165	22159	6.122	ng	# 21
66) 4-Bromophenyl-phenylether	10.63	248	11366	3.056	ng	# 1

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

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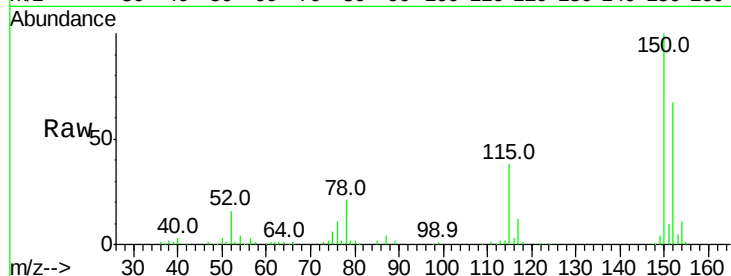


#1

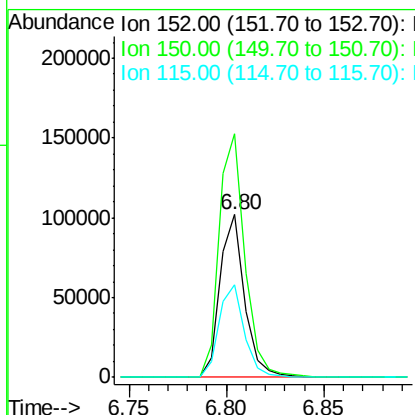
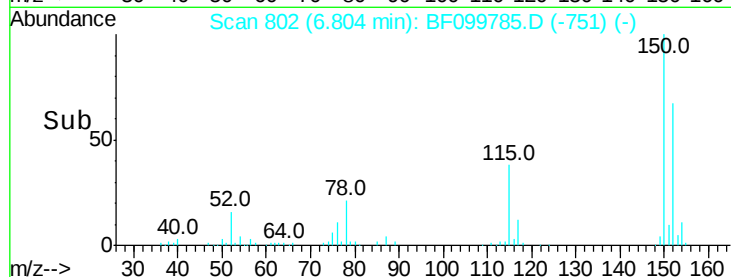
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.80 min Scan# 802
Delta R.T. -0.00 min
Lab File: BF099785.D
Acq: 24 Oct 2017 13:52

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 88691
Ion Ratio Lower Upper
152 100
150 149.9 124.6 186.8
115 57.0 50.1 75.1



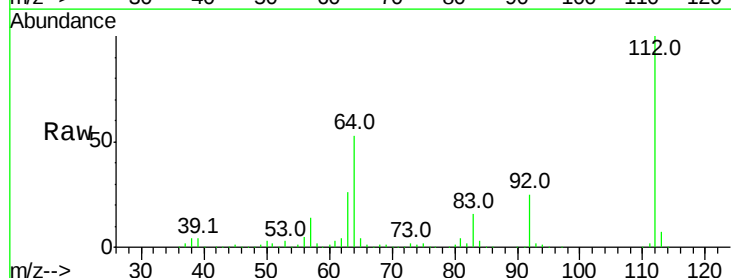
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



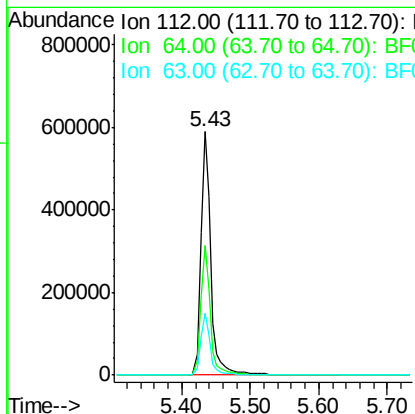
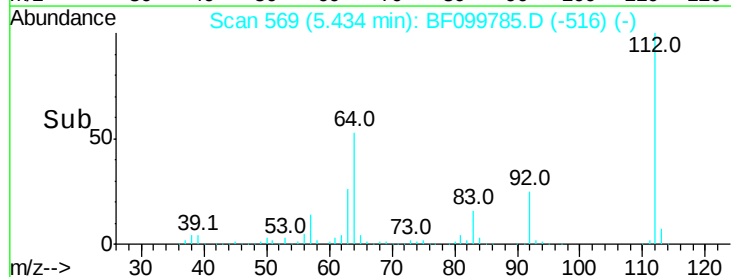
#5

2-Fluorophenol
Concen: 107.944 ng
RT: 5.43 min Scan# 569
Delta R.T. 0.01 min
Lab File: BF099785.D
Acq: 24 Oct 2017 13:52

Tgt Ion:112 Resp: 609800
Ion Ratio Lower Upper
112 100
64 53.3 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: 107.167 ng

RT: 6.45 min Scan# 741

Delta R.T. -0.01 min

Lab File: BF099785.D

Acq: 24 Oct 2017 13:52

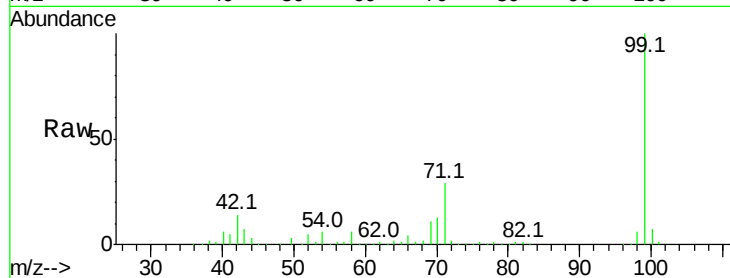
Instrument :

BNA_F

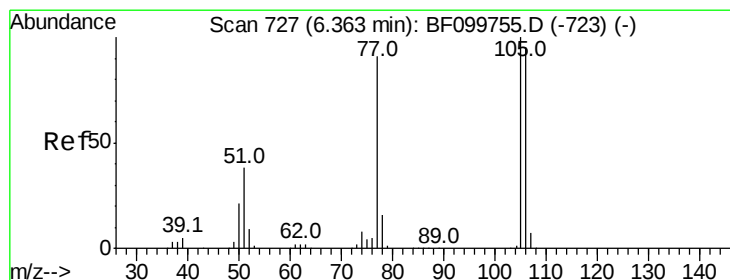
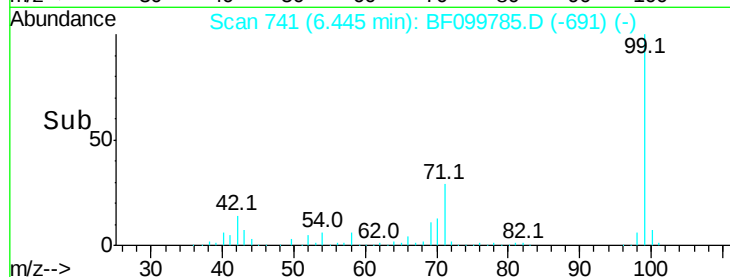
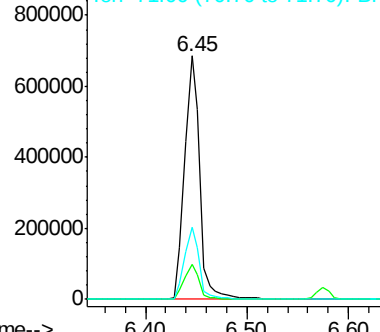
ClientSampleId :

Tot Ion: 99 Resp: 717848

Ion	Ratio	Lower	Upper
99	100		
42	14.5	14.5	21.7#
71	29.4	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: 2.823 ng

RT: 6.57 min Scan# 763

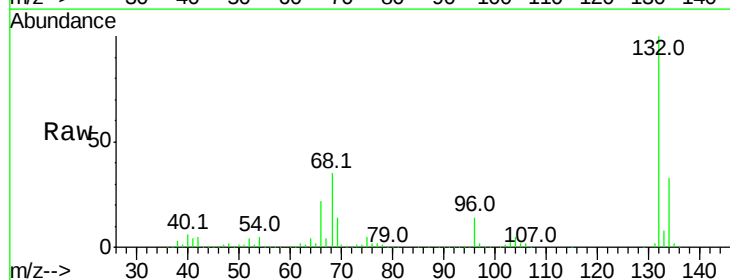
Delta R.T. 0.21 min

Lab File: BF099785.D

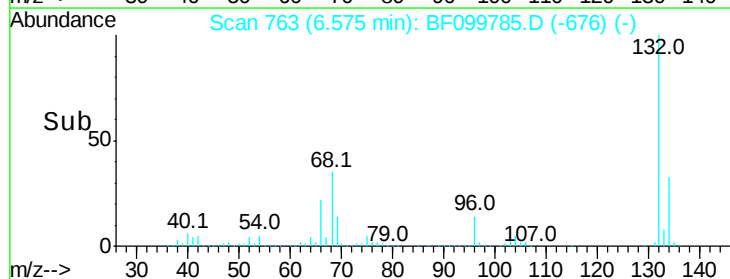
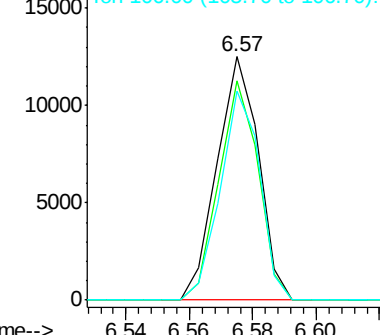
Acq: 24 Oct 2017 13:52

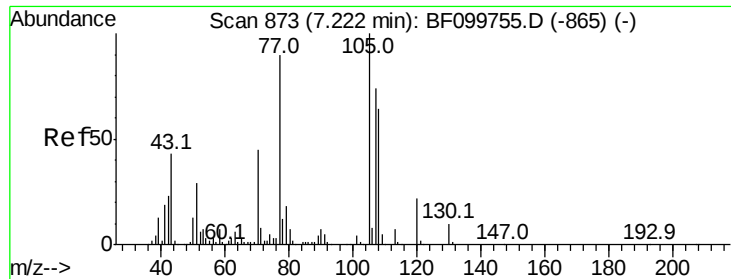
Tgt Ion: 77 Resp: 11300

Ion	Ratio	Lower	Upper
77	100		
105	90.2	81.1	121.1
106	85.7	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: 13.230 ng

RT: 7.37 min Scan# 898

Delta R.T. 0.15 min

Lab File: BF099785.D

Acq: 24 Oct 2017 13:52

Instrument :

BNA_F

ClientSampleId :

Tot Ion: 70 Resp: 51933

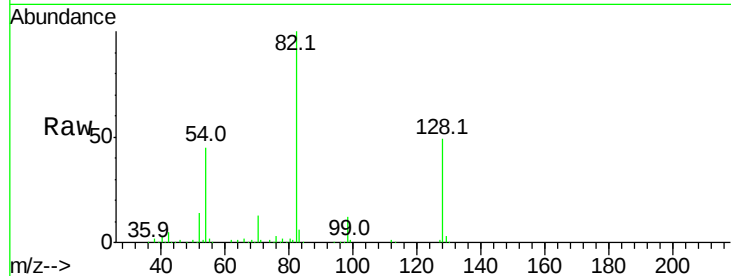
Ion Ratio Lower Upper

70 100

42 42.2 47.5 71.3#

101 0.0 7.4 11.2#

130 2.6 16.6 25.0#

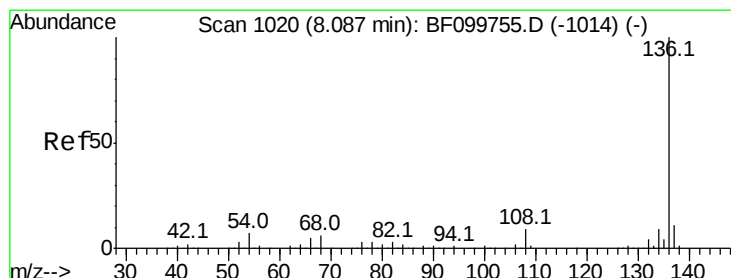
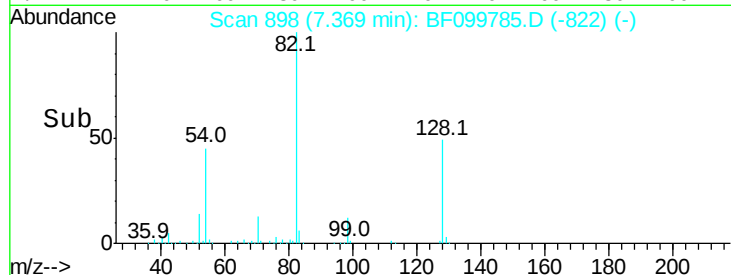
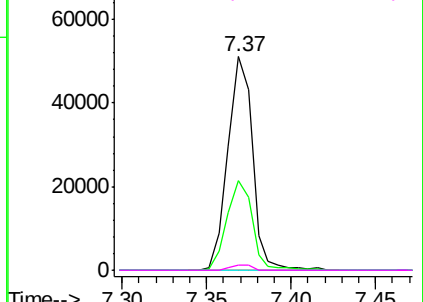


Abundance Ion 70.00 (69.70 to 70.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 101.00 (100.70 to 101.70): E

Ion 130.00 (129.70 to 130.70): E



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.09 min Scan# 1020

Delta R.T. -0.00 min

Lab File: BF099785.D

Acq: 24 Oct 2017 13:52

Tgt Ion:136 Resp: 372491

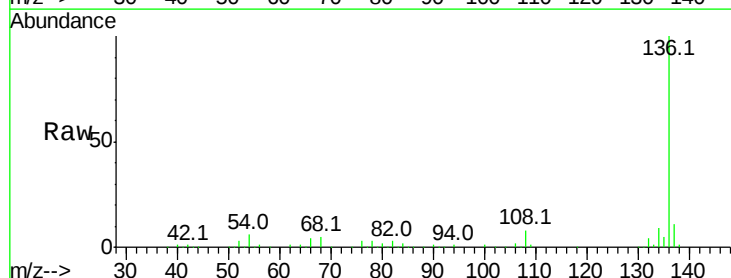
Ion Ratio Lower Upper

136 100

137 10.7 8.9 13.3

54 6.2 6.6 9.8#

68 5.2 5.0 7.4

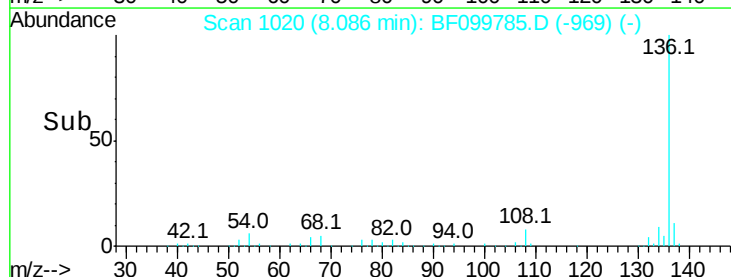
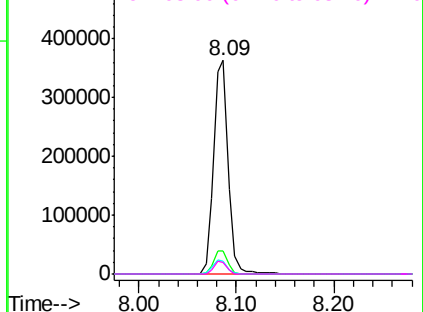


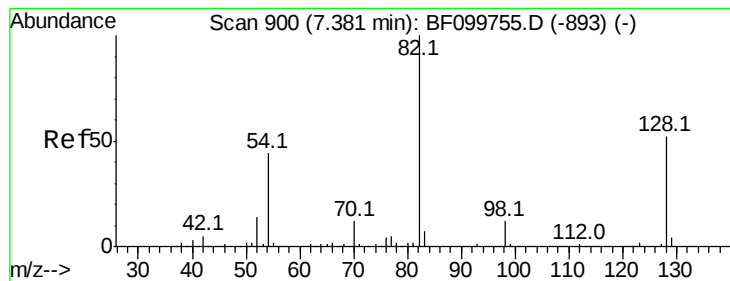
Abundance Ion 136.00 (135.70 to 136.70): E

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: 72.278 ng

RT: 7.37 min Scan# 898

Delta R.T. -0.01 min

Lab File: BF099785.D

Acq: 24 Oct 2017 13:52

Instrument :

BNA_F

ClientSampled :

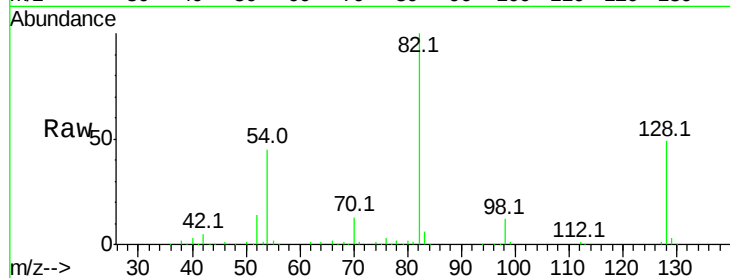
Tot Ion: 82 Resp: 418183

Ion Ratio Lower Upper

82 100

128 49.0 36.1 54.1

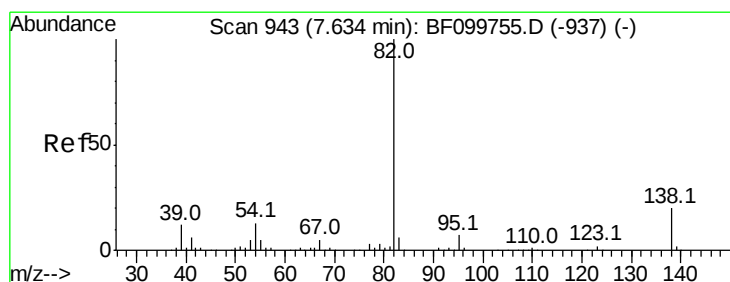
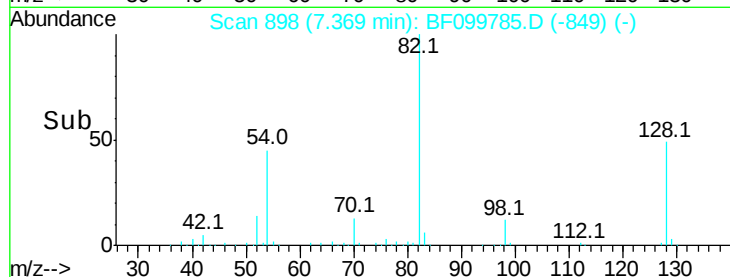
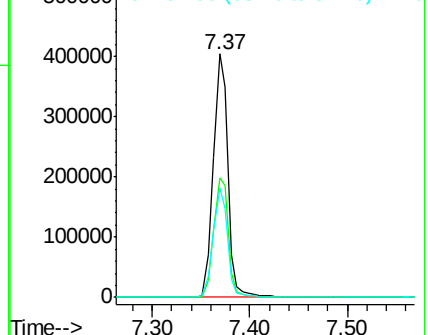
54 44.8 41.4 62.2



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: 39.831 ng

RT: 7.37 min Scan# 898

Delta R.T. -0.26 min

Lab File: BF099785.D

Acq: 24 Oct 2017 13:52

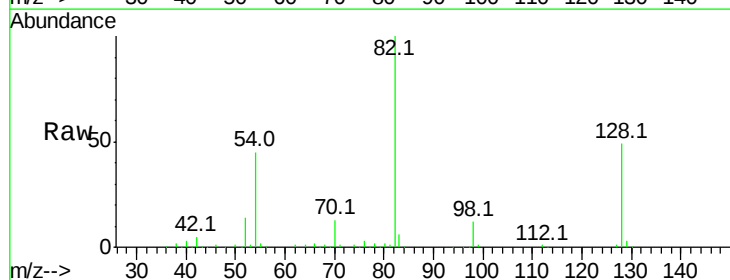
Tgt Ion: 82 Resp: 418179

Ion Ratio Lower Upper

82 100

95 0.0 5.2 7.8#

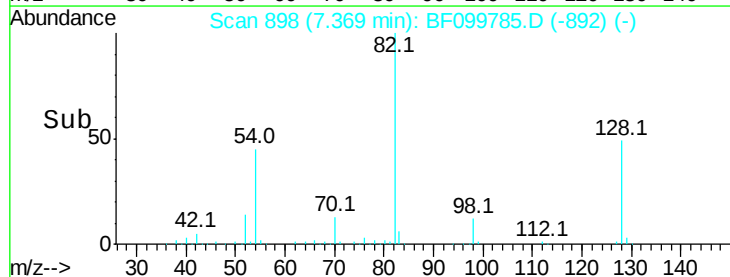
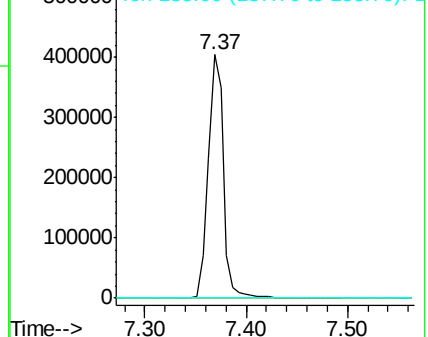
138 0.0 14.9 22.3#

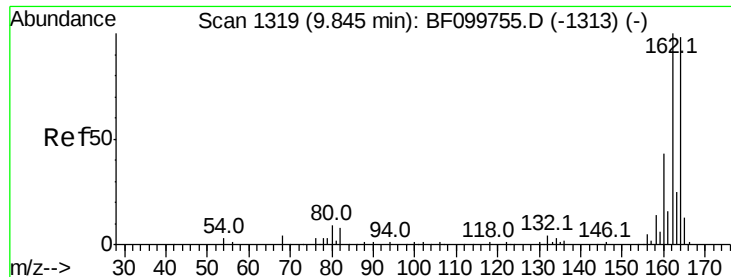


Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 95.00 (94.70 to 95.70): BF0

Ion 138.00 (137.70 to 138.70): BF0

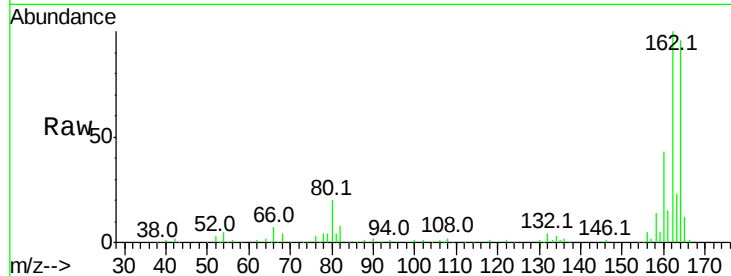




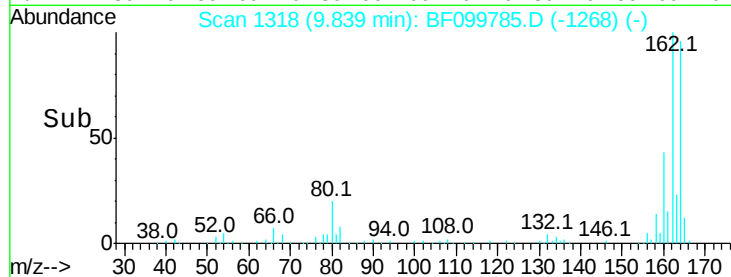
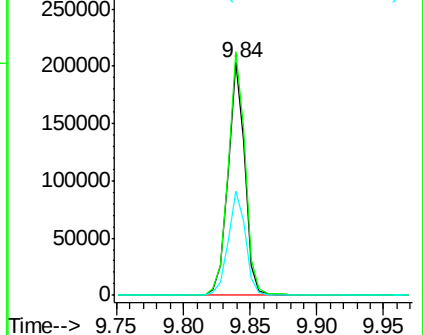
#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.84 min Scan# 1318
Delta R.T. -0.01 min
Lab File: BF099785.D
Acq: 24 Oct 2017 13:52

Instrument :
BNA_F
ClientSampleId :

Tot Ion:164 Resp: 180527
Ion Ratio Lower Upper
164 100
162 104.4 86.1 129.1
160 44.8 38.3 57.5

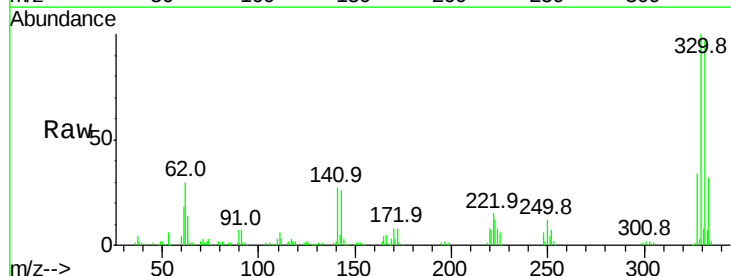


Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

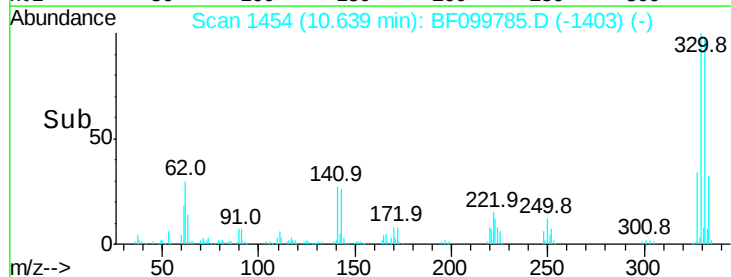
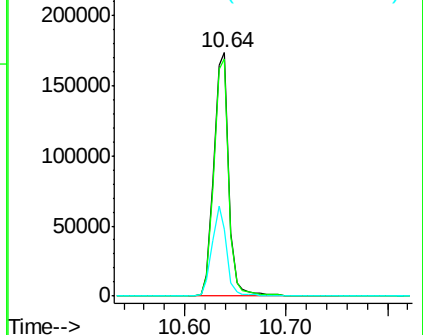


#41
2,4,6-Tribromophenol
Concen: 109.127 ng
RT: 10.64 min Scan# 1454
Delta R.T. -0.00 min
Lab File: BF099785.D
Acq: 24 Oct 2017 13:52

Tgt Ion:330 Resp: 179532
Ion Ratio Lower Upper
330 100
332 96.6 77.0 115.6
141 35.7 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

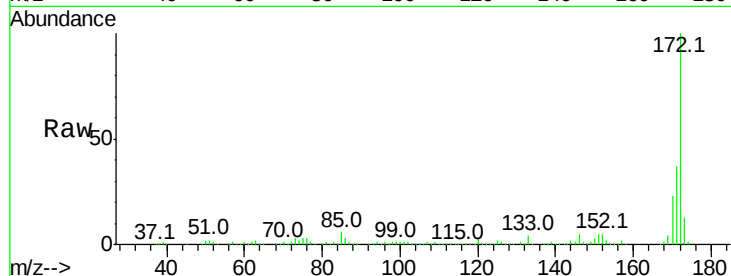




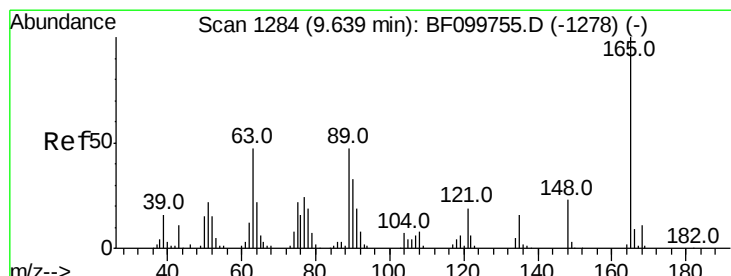
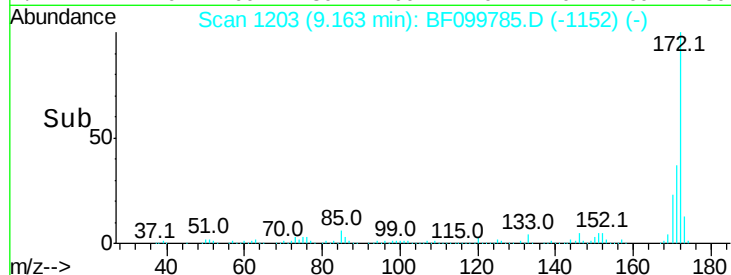
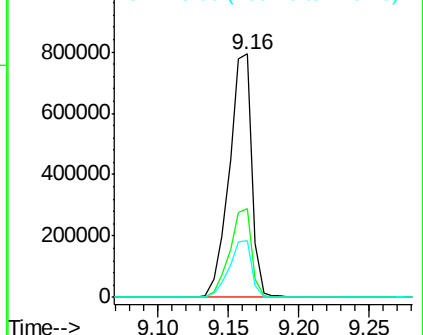
#44
 2-Fluorobiphenyl
 Concen: 75.262 ng
 RT: 9.16 min Scan# 1203
 Delta R.T. 0.00 min
 Lab File: BF099785.D
 Acq: 24 Oct 2017 13:52

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
172	100		
171	36.6	29.7	44.5
170	23.3	19.6	29.4

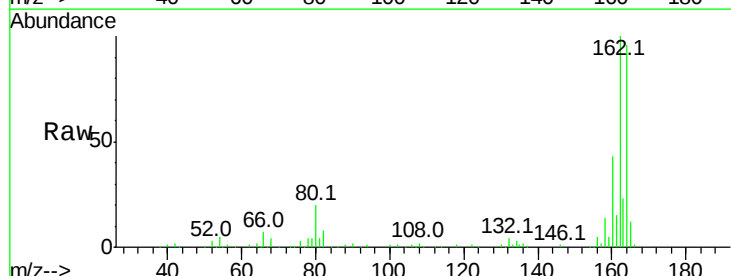


Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E

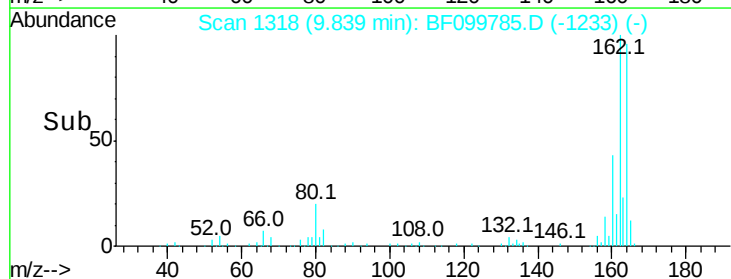
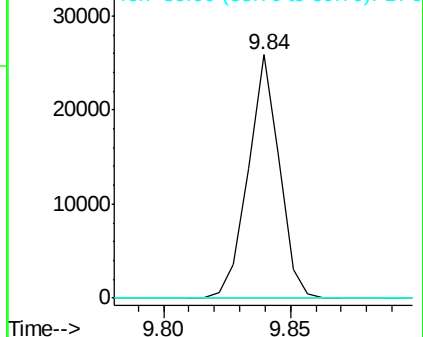


#50
 2,6-Dinitrotoluene
 Concen: 7.373 ng
 RT: 9.84 min Scan# 1318
 Delta R.T. 0.20 min
 Lab File: BF099785.D
 Acq: 24 Oct 2017 13:52

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: 6.122 ng

RT: 9.84 min Scan# 1318

Delta R.T. -0.21 min

Lab File: BF099785.D

Acq: 24 Oct 2017 13:52

Instrument :
BNA_F
ClientSampleId :

Tot Ion:165 Resp: 22159

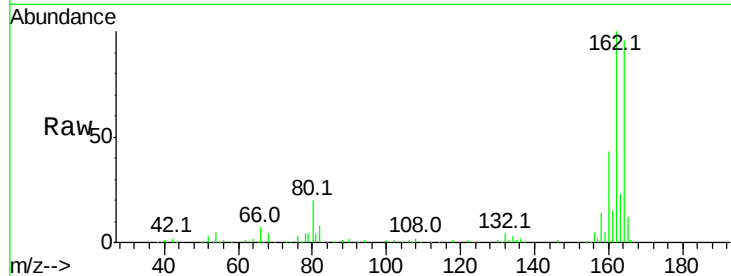
Ion Ratio Lower Upper

165 100

63 0.0 36.4 54.6#

89 0.0 57.8 86.6#

182 0.0 1.6 2.4#

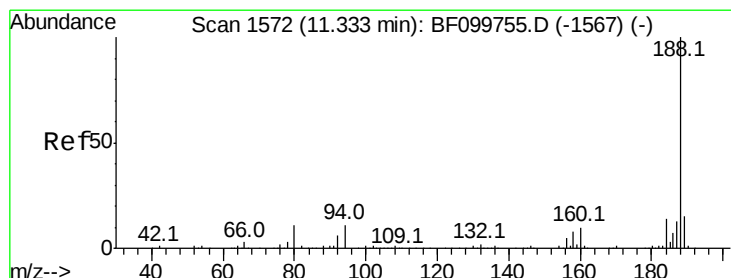
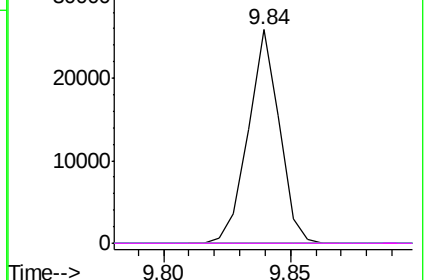
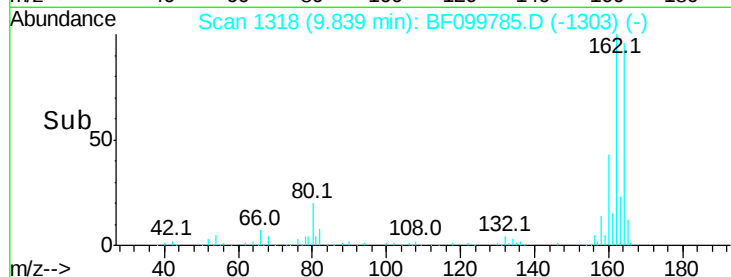


Abundance Ion 165.00 (164.70 to 165.70): E

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: 11.33 min Scan# 1572

Delta R.T. -0.00 min

Lab File: BF099785.D

Acq: 24 Oct 2017 13:52

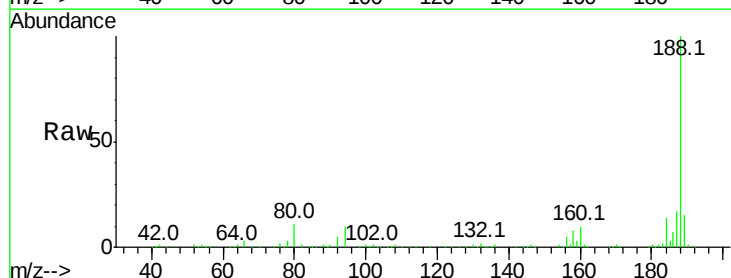
Tgt Ion:188 Resp: 353341

Ion Ratio Lower Upper

188 100

94 9.6 8.5 12.7

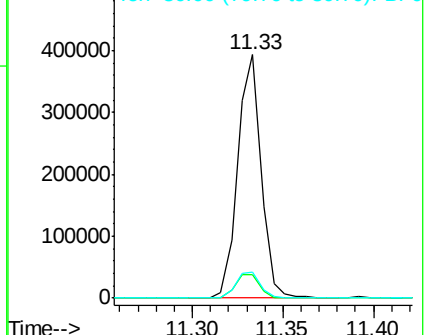
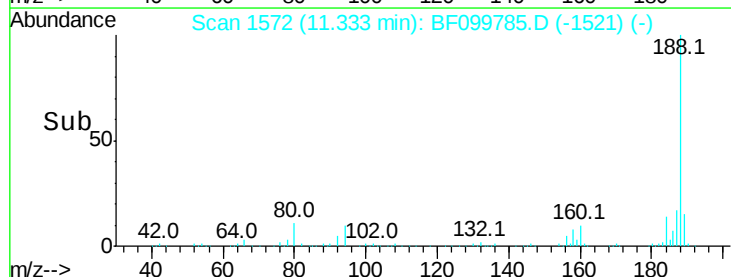
80 10.5 9.2 13.8



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

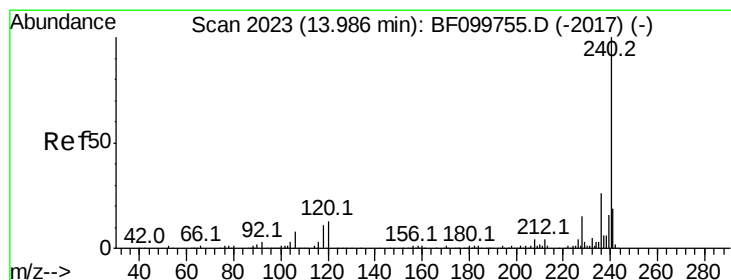
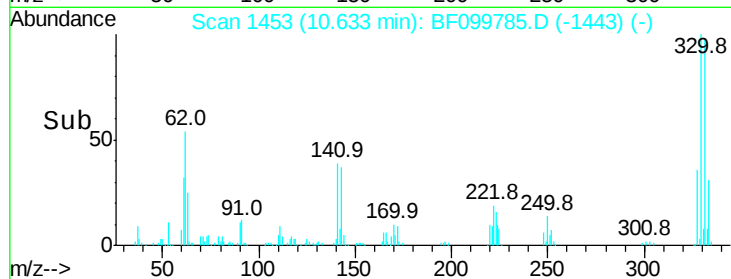
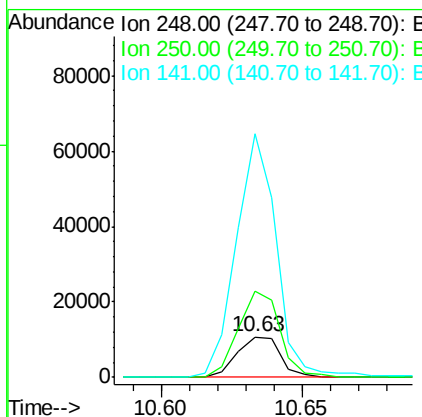
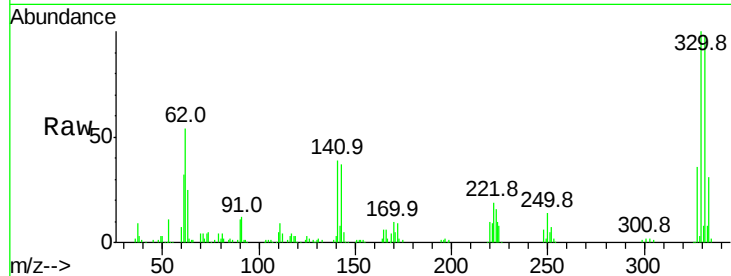




#66
 4-Bromophenyl-phenylether
 Concen: 3.056 ng
 RT: 10.63 min Scan# 1453
 Delta R.T. -0.24 min
 Lab File: BF099785.D
 Acq: 24 Oct 2017 13:52

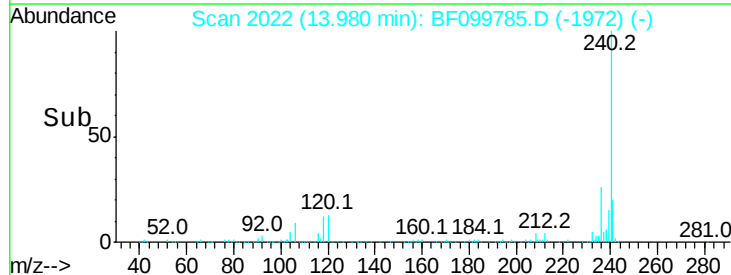
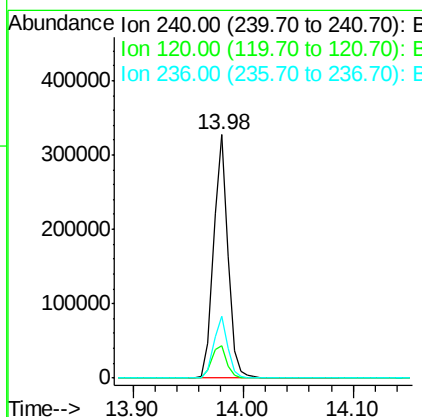
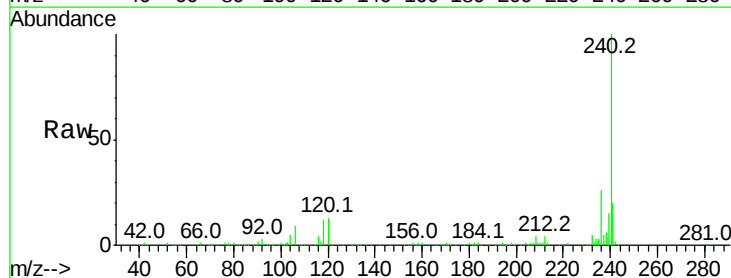
Instrument :
 BNA_F
 ClientSampleId :

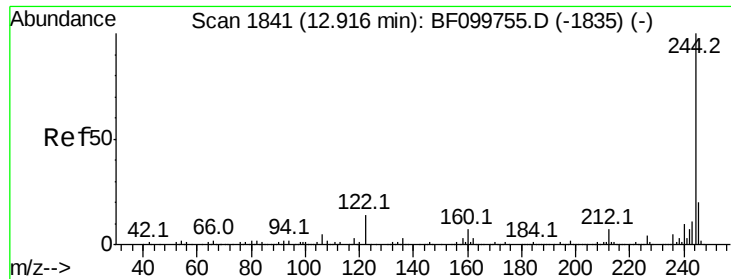
Tot Ion:248 Resp: 11366
 Ion Ratio Lower Upper
 248 100
 250 215.9 76.9 115.3#
 141 607.8 74.4 111.6#



#75
 Chrysene-d12
 Concen: 20.000 ng
 RT: 13.98 min Scan# 2022
 Delta R.T. -0.01 min
 Lab File: BF099785.D
 Acq: 24 Oct 2017 13:52

Tgt Ion:240 Resp: 289549
 Ion Ratio Lower Upper
 240 100
 120 13.2 9.5 14.3
 236 25.6 20.7 31.1





#78

Terphenyl-d14

Concen: 65.448 ng

RT: 12.92 min Scan# 1841

Delta R.T. -0.00 min

Lab File: BF099785.D

Acq: 24 Oct 2017 13:52

Instrument :

BNA_F

ClientSampleId :

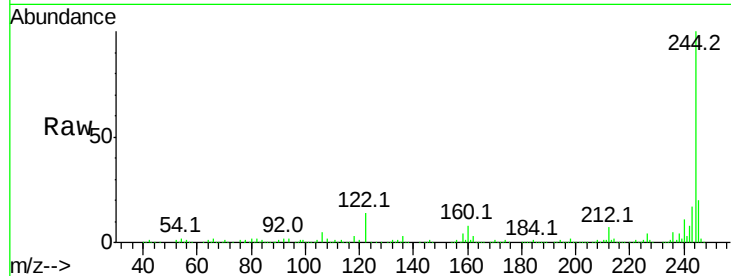
Tot Ion:244 Resp: 867151

Ion Ratio Lower Upper

244 100

212 6.9 5.4 8.0

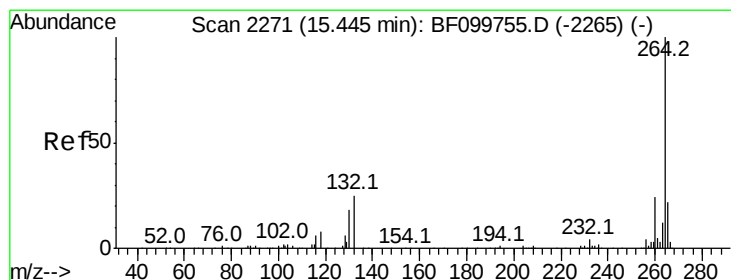
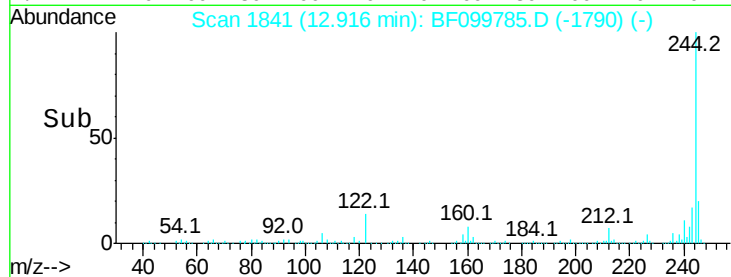
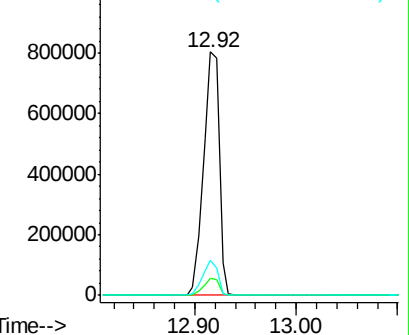
122 14.3 11.0 16.4



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



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.44 min Scan# 2271

Delta R.T. -0.00 min

Lab File: BF099785.D

Acq: 24 Oct 2017 13:52

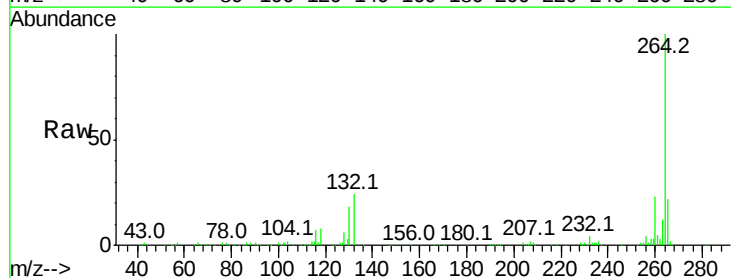
Tgt Ion:264 Resp: 217119

Ion Ratio Lower Upper

264 100

260 23.1 19.2 28.8

265 21.5 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

