

Data Path : Z:\HPCHEM1\BNA F\DATA\BF102817\
 Data File : BF099919.D
 Acq On : 28 Oct 2017 16:07
 Operator : SJ/JU
 Sample : I6077-01
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Oct 30 01:57:34 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	91168	20.00	ng	0.00
21) Naphthalene-d8	8.07	136	381851	20.00	ng	-0.01
38) Acenaphthene-d10	9.82	164	170245	20.00	ng	-0.02
63) Phenanthrene-d10	11.32	188	269051	20.00	ng	-0.02
75) Chrysene-d12	13.96	240	160128	20.00	ng	-0.03
86) Perylene-d12	15.43	264	171067	20.00	ng	-0.03

System Monitoring Compounds						
5) 2-Fluorophenol	5.42	112	597585	102.91	ng	0.00
7) Phenol-d6	6.43	99	717532	104.21	ng	0.00
23) Nitrobenzene-d5	7.36	82	413642	69.74	ng	-0.01
41) 2,4,6-Tribromophenol	10.62	330	130842	84.33	ng	-0.02
44) 2-Fluorobiphenyl	9.14	172	742694	67.31	ng	-0.02
78) Terphenyl-d14	12.90	244	475344	64.87	ng	-0.02

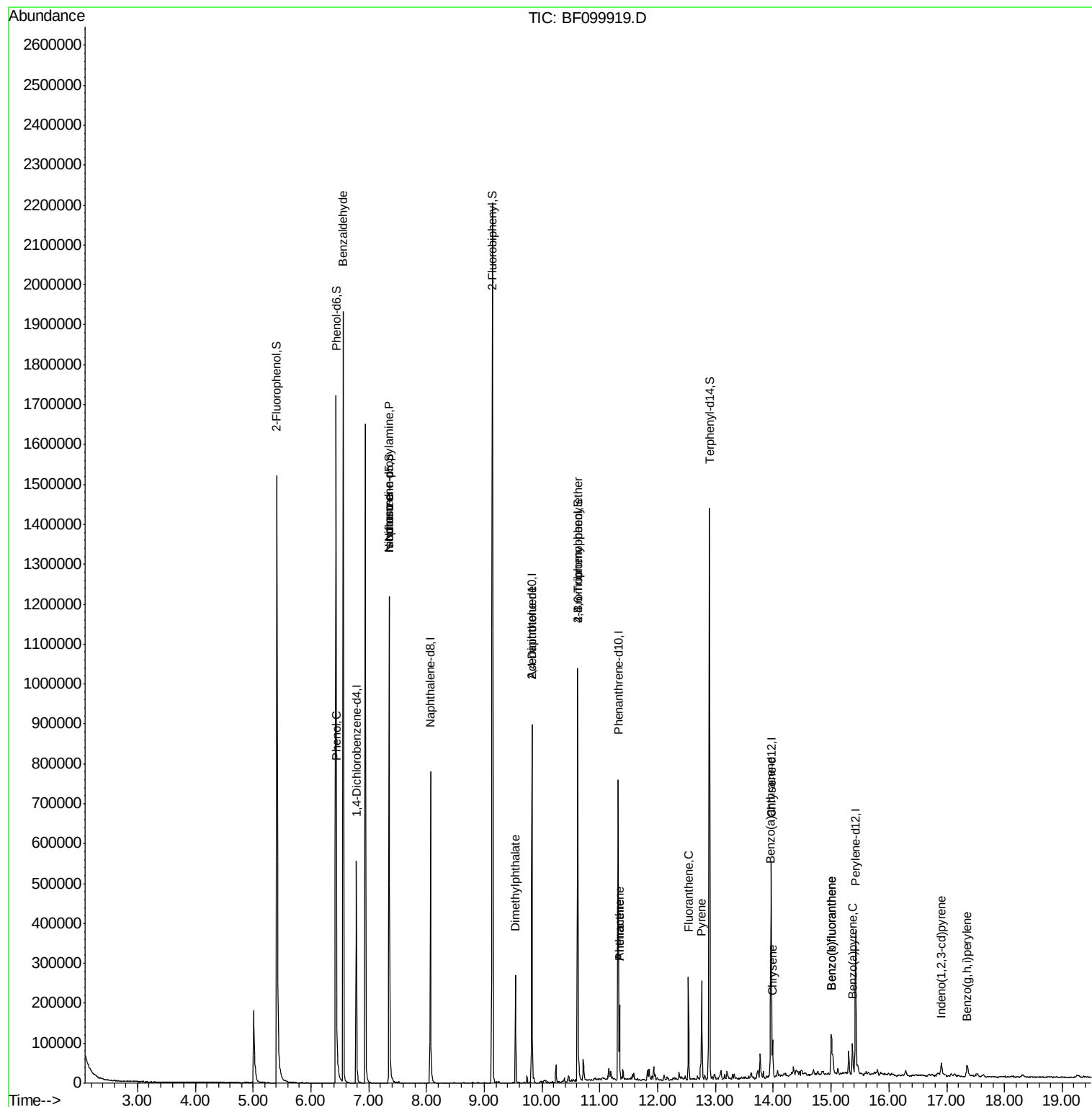
Target Compounds				Qvalue		
9) Benzaldehyde	6.56	77	10640	2.586	ng	98
10) Phenol	6.45	94	17322	2.291	ng	85
19) n-Nitroso-di-n-propylamine	7.36	70	51007	12.641	ng	# 70
25) Isophorone	7.36	82	413642	38.434	ng	# 64
49) Dimethylphthalate	9.54	163	110898	8.226	ng	98
56) 2,4-Dinitrotoluene	9.82	165	21824	6.394	ng	# 22
66) 4-Bromophenyl-phenylether	10.62	248	8689	3.068	ng	# 1
70) Phenanthrene	11.34	178	70805	4.663	ng	98
71) Anthracene	11.34	178	70805	4.594	ng	98
74) Fluoranthene	12.53	202	104745	6.638	ng	96
77) Pyrene	12.76	202	95968	7.882	ng	98
80) Benzo(a)anthracene	13.95	228	40500	3.990	ng	95
82) Chrysene	13.99	228	38638	4.049	ng	98
85) Indeno(1,2,3-cd)pyrene	16.91	276	24375	2.782	ng	98
87) Benzo(b)fluoranthene	15.00	252	67576	6.256	ng	# 95
88) Benzo(k)fluoranthene	15.00	252	67576	6.634	ng	98
89) Benzo(a)pyrene	15.37	252	35150	3.622	ng	98
91) Benzo(g,h,i)perylene	17.36	276	22769	2.699	ng	97

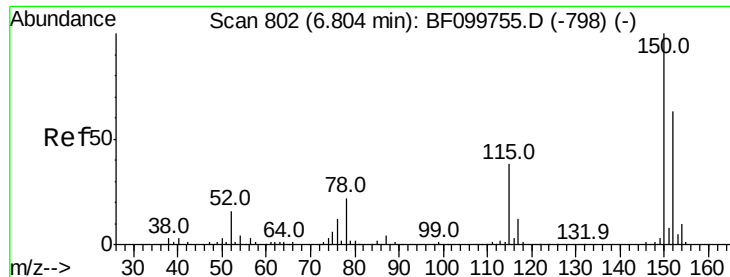
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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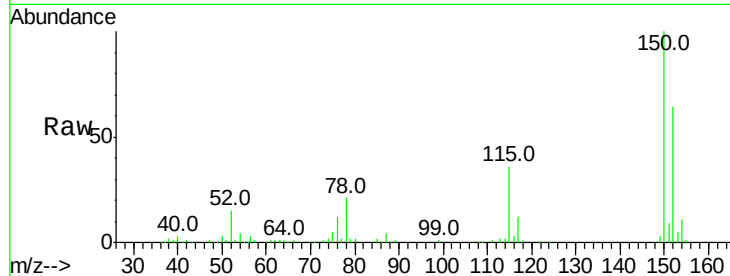


#1

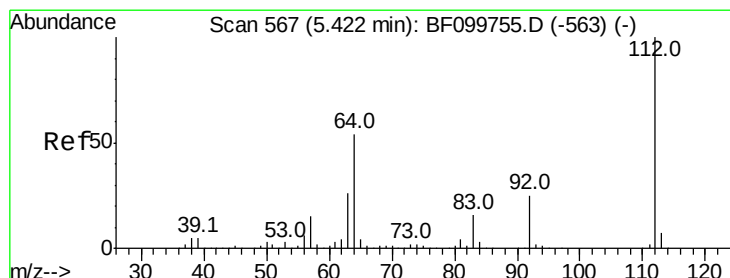
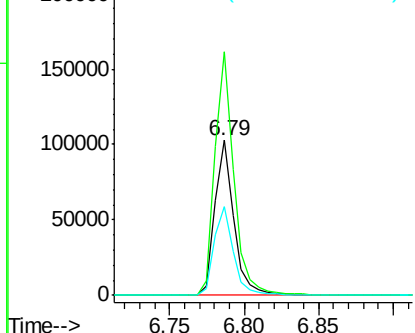
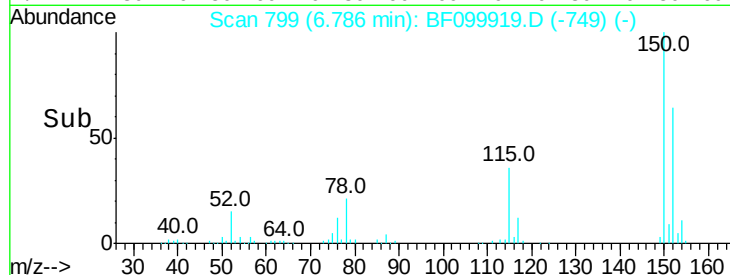
1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.79 min Scan# 799
 Delta R.T. -0.01 min
 Lab File: BF099919.D
 Acq: 28 Oct 2017 16:07

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:152 Resp: 91168
 Ion Ratio Lower Upper
 152 100
 150 157.0 124.6 186.8
 115 57.1 50.1 75.1



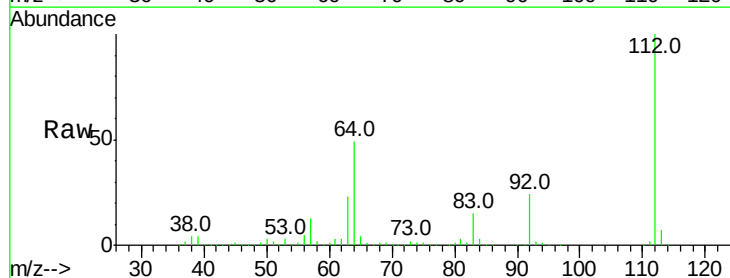
Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E



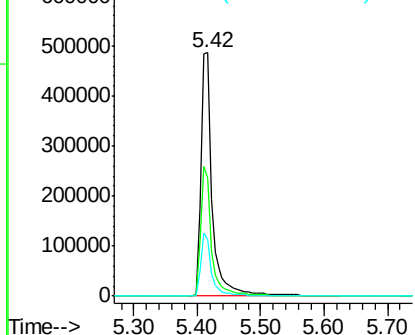
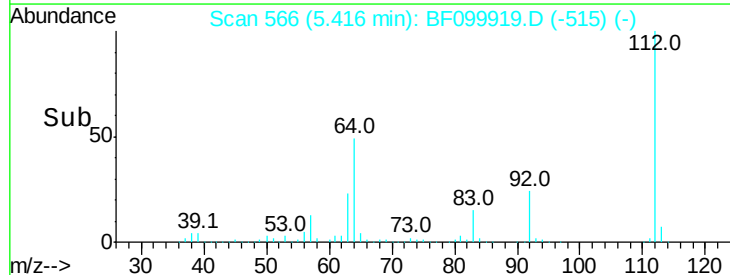
#5

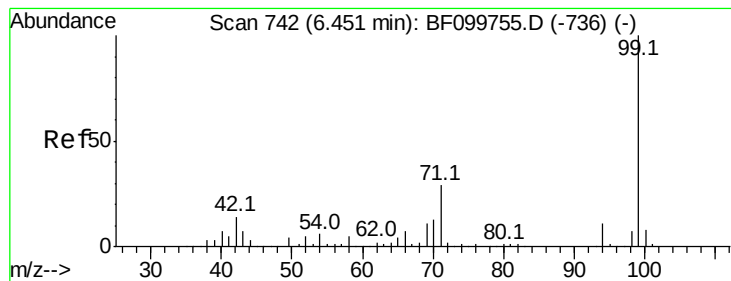
2-Fluorophenol
 Concen: 102.908 ng
 RT: 5.42 min Scan# 566
 Delta R.T. -0.00 min
 Lab File: BF099919.D
 Acq: 28 Oct 2017 16:07

Tgt Ion:112 Resp: 597585
 Ion Ratio Lower Upper
 112 100
 64 48.6 47.9 71.9
 63 23.1 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: 104.209 ng

RT: 6.43 min Scan# 739

Delta R.T. -0.01 min

Lab File: BF099919.D

Acq: 28 Oct 2017 16:07

Instrument :

BNA_F

ClientSampleId :

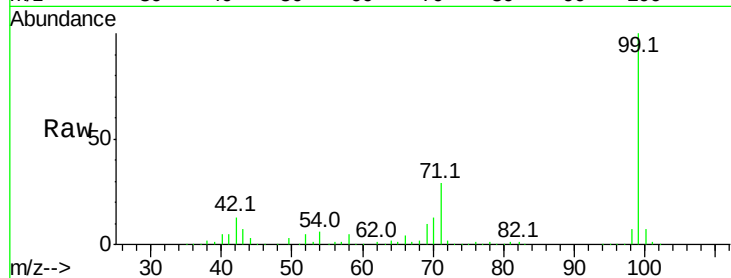
Tot Ion: 99 Resp: 717532

Ion Ratio Lower Upper

99 100

42 13.2 14.5 21.7#

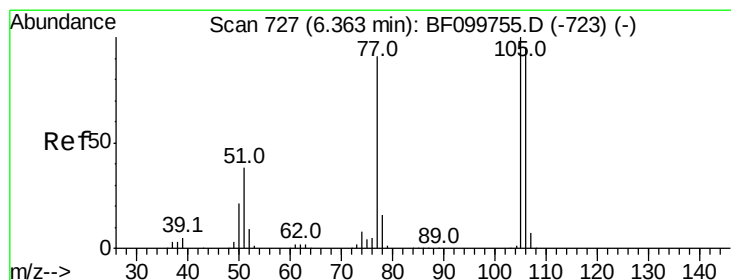
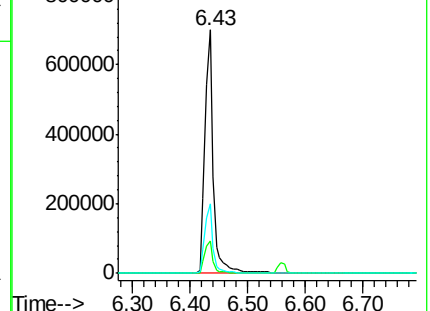
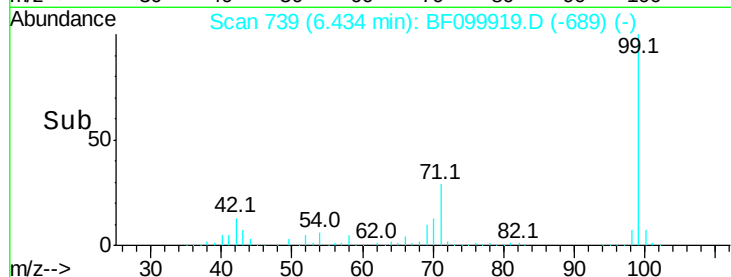
71 28.5 25.4 38.0



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: 2.586 ng

RT: 6.56 min Scan# 760

Delta R.T. 0.20 min

Lab File: BF099919.D

Acq: 28 Oct 2017 16:07

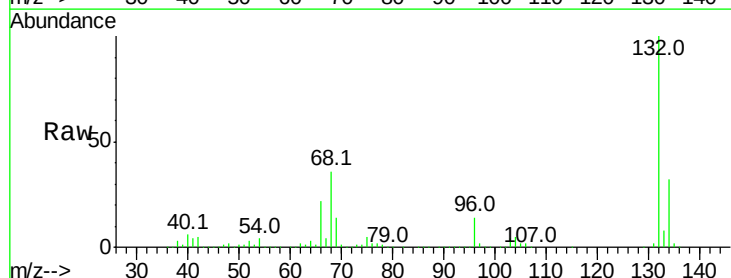
Tgt Ion: 77 Resp: 10640

Ion Ratio Lower Upper

77 100

105 97.1 81.1 121.1

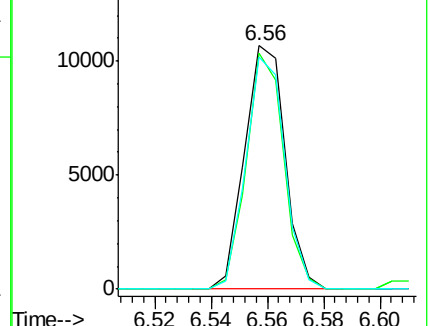
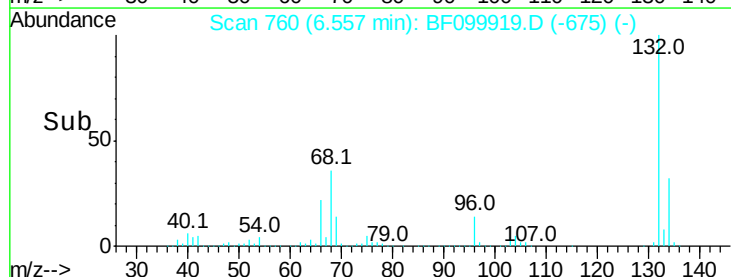
106 95.4 74.5 114.5

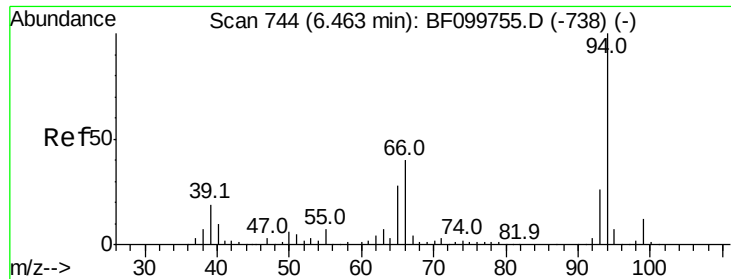


Abundance Ion 77.00 (76.70 to 77.70): BF0

Ion 105.00 (104.70 to 105.70): E

Ion 106.00 (105.70 to 106.70): E

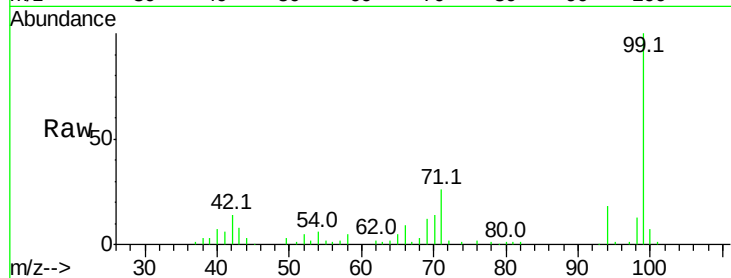




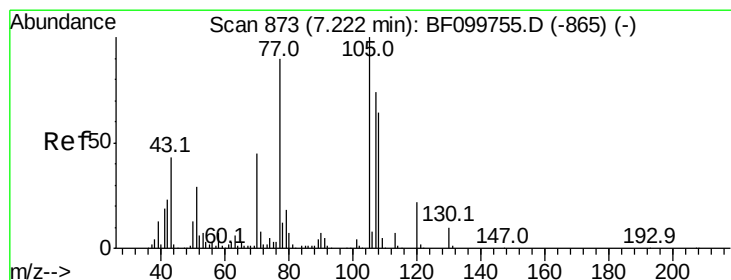
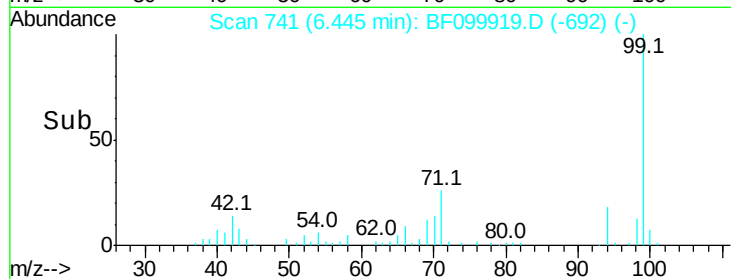
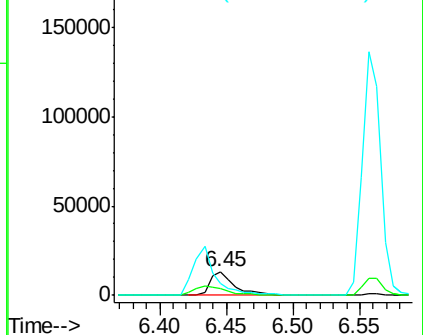
#10
Phenol
Concen: 2.291 ng
RT: 6.45 min Scan# 741
Delta R.T. -0.01 min
Lab File: BF099919.D
Acq: 28 Oct 2017 16:07

Instrument :
BNA_F
ClientSampleId :

Tot Ion: 94 Resp: 17322
Ion Ratio Lower Upper
94 100
65 27.1 7.9 47.9
66 51.6 16.2 56.2

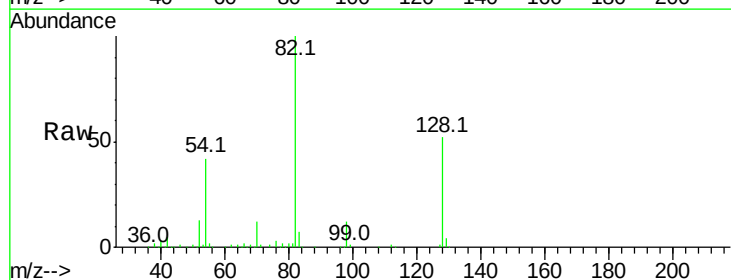


Abundance Ion 94.00 (93.70 to 94.70): BF0
Ion 65.00 (64.70 to 65.70): BF0
Ion 66.00 (65.70 to 66.70): BF0

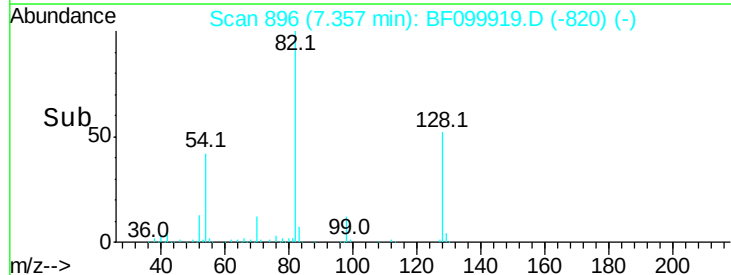
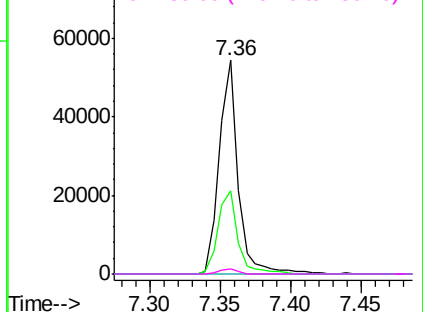


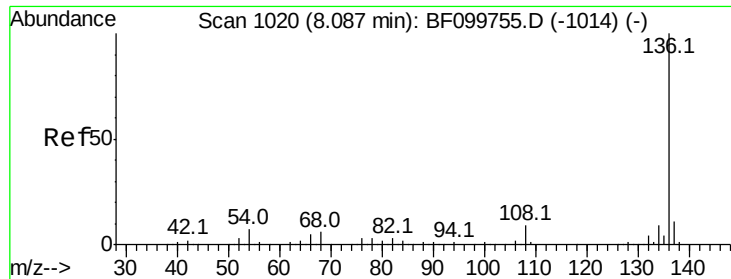
#19
n-Nitroso-di-n-propylamine
Concen: 12.641 ng
RT: 7.36 min Scan# 896
Delta R.T. 0.15 min
Lab File: BF099919.D
Acq: 28 Oct 2017 16:07

Tgt Ion: 70 Resp: 51007
Ion Ratio Lower Upper
70 100
42 38.9 47.5 71.3#
101 0.0 7.4 11.2#
130 2.5 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

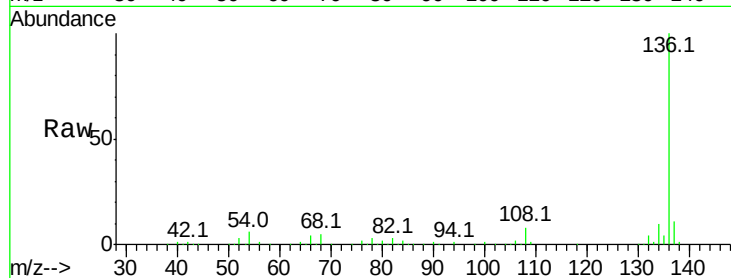




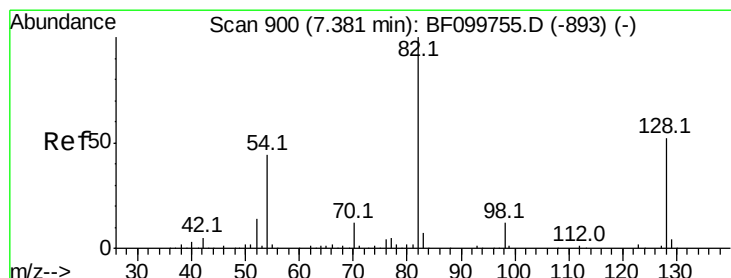
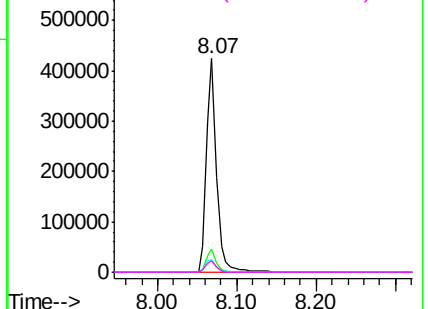
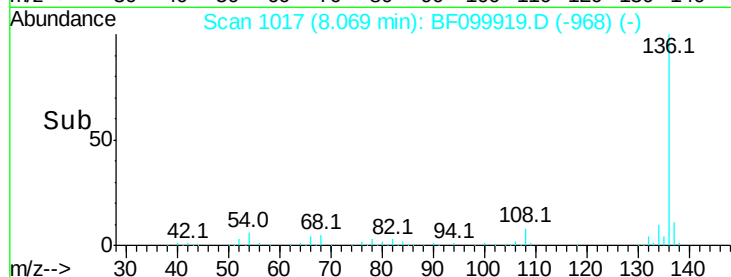
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.07 min Scan# 1017
Delta R.T. -0.01 min
Lab File: BF099919.D
Acq: 28 Oct 2017 16:07

Instrument :
BNA_F
ClientSampleId :

Tot Ion:	136	Resp:	381851
Ion	Ratio	Lower	Upper
136	100		
137	11.1	8.9	13.3
54	6.0	6.6	9.8#
68	5.2	5.0	7.4

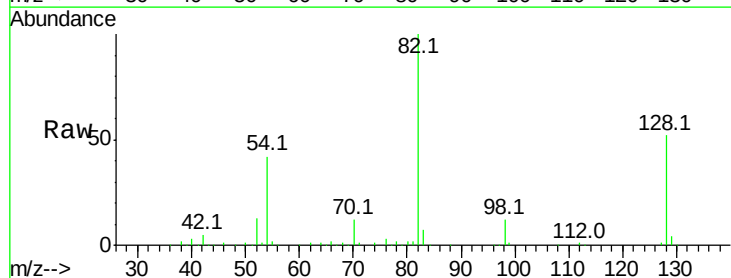


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF0
Ion 68.00 (67.70 to 68.70): BF0

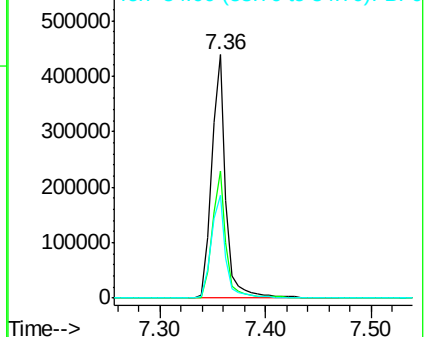
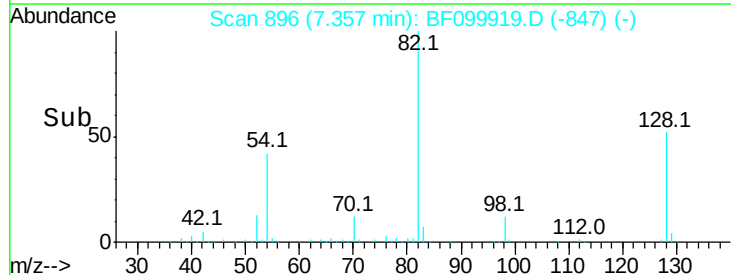


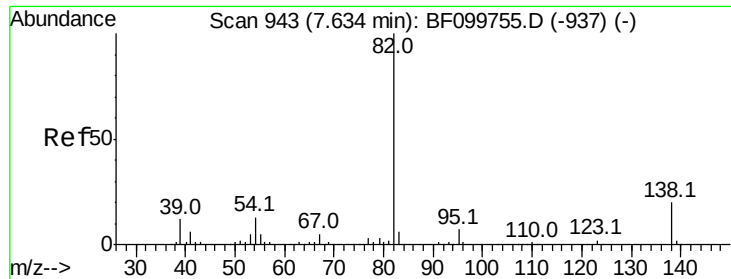
#23
Nitrobenzene-d5
Concen: 69.740 ng
RT: 7.36 min Scan# 896
Delta R.T. -0.01 min
Lab File: BF099919.D
Acq: 28 Oct 2017 16:07

Tgt Ion:	82	Resp:	413642
Ion	Ratio	Lower	Upper
82	100		
128	52.2	36.1	54.1
54	42.4	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: 38.434 ng

RT: 7.36 min Scan# 896

Delta R.T. -0.26 min

Lab File: BF099919.D

Acq: 28 Oct 2017 16:07

Instrument :

BNA_F

ClientSampled :

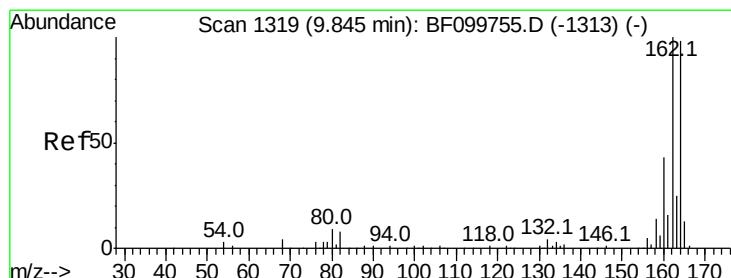
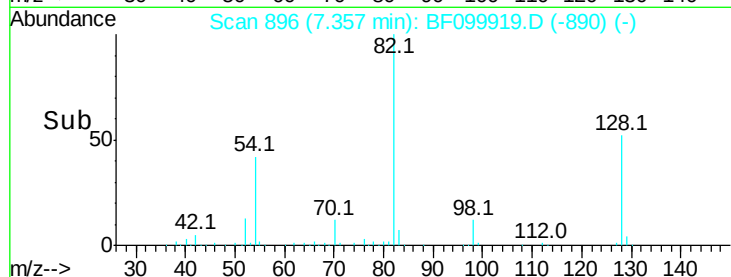
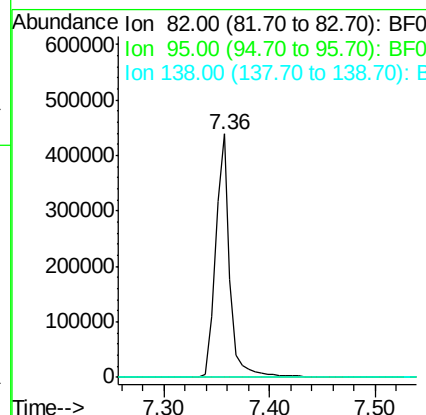
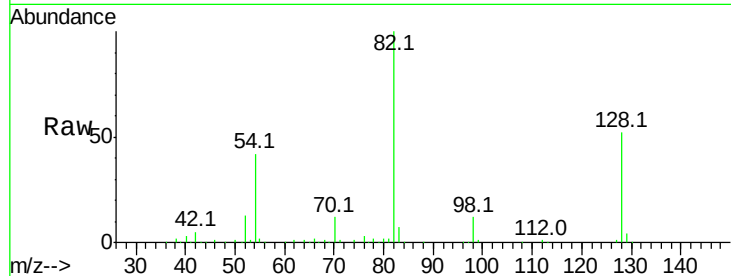
Tot Ion: 82 Resp: 413642

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: 9.82 min Scan# 1315

Delta R.T. -0.02 min

Lab File: BF099919.D

Acq: 28 Oct 2017 16:07

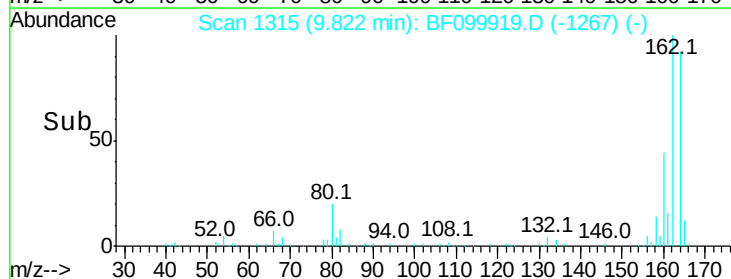
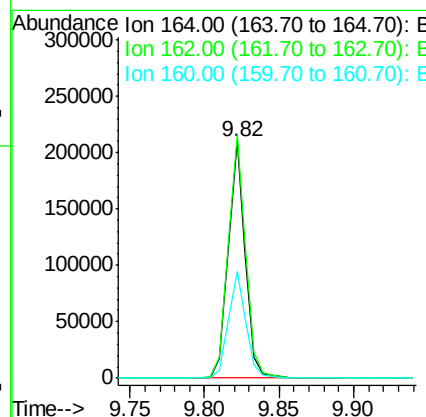
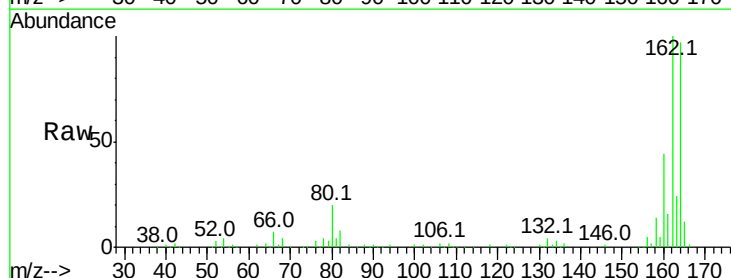
Tgt Ion:164 Resp: 170245

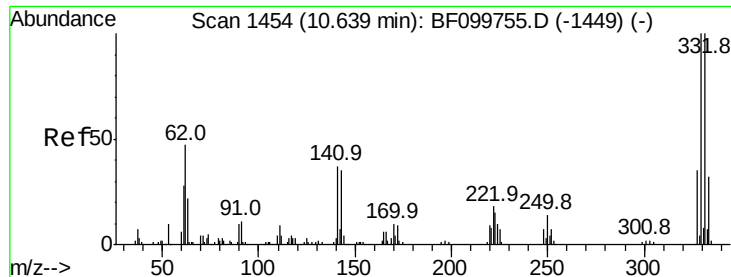
Ion Ratio Lower Upper

164 100

162 102.7 86.1 129.1

160 45.0 38.3 57.5

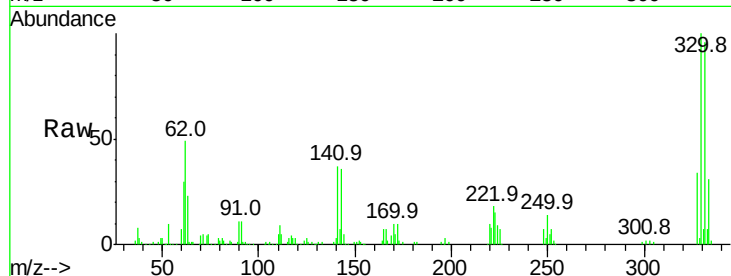




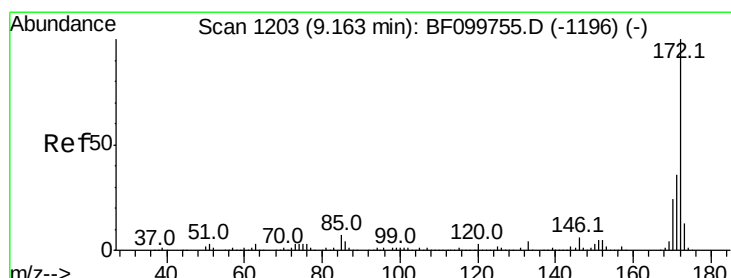
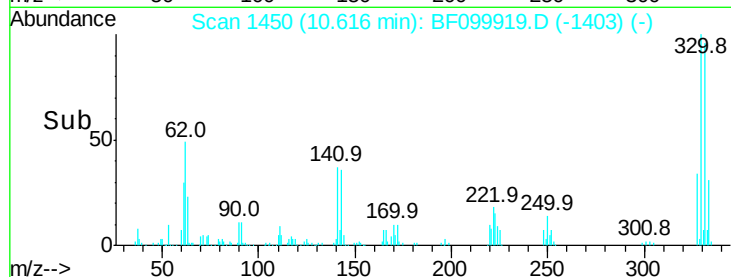
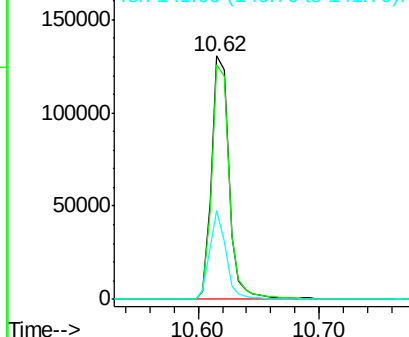
#41
 2,4,6-Tribromophenol
 Concen: 84.334 ng
 RT: 10.62 min Scan# 1450
 Delta R.T. -0.02 min
 Lab File: BF099919.D
 Acq: 28 Oct 2017 16:07

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
330	100		
332	96.6	77.0	115.6
141	34.2	29.9	44.9

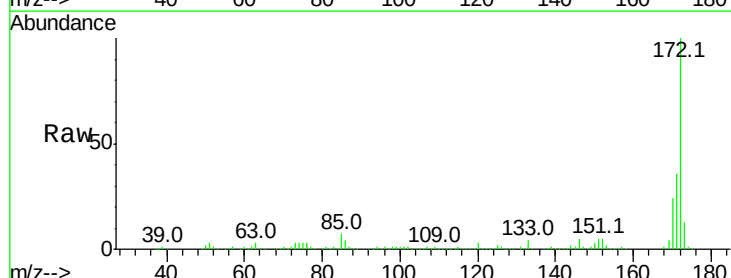


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

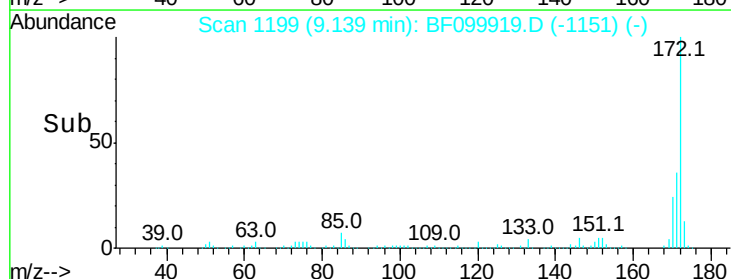
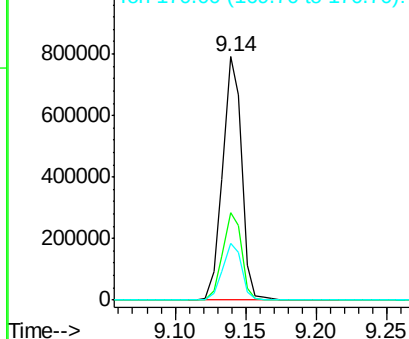


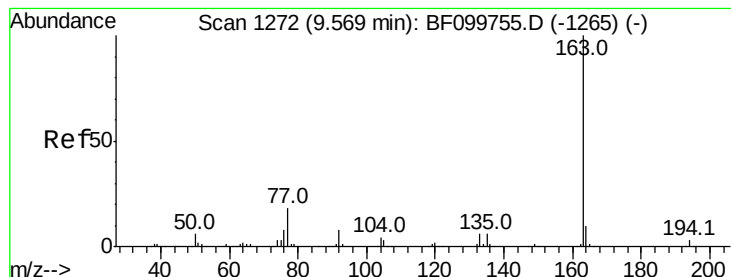
#44
 2-Fluorobiphenyl
 Concen: 67.306 ng
 RT: 9.14 min Scan# 1199
 Delta R.T. -0.02 min
 Lab File: BF099919.D
 Acq: 28 Oct 2017 16:07

Tgt Ion	Ratio	Lower	Upper
172	100		
171	35.9	29.7	44.5
170	23.5	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: 8.226 ng

RT: 9.54 min Scan# 1267

Delta R.T. -0.02 min

Lab File: BF099919.D

Acq: 28 Oct 2017 16:07

Instrument :

BNA_F

ClientSampleId :

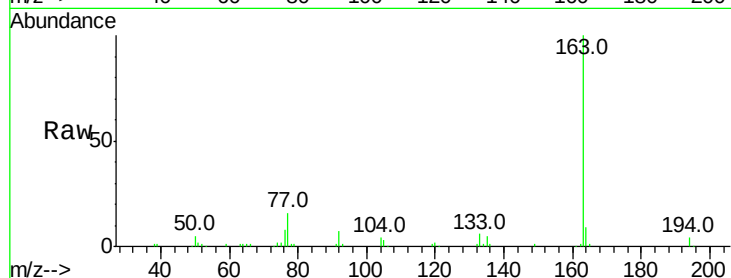
Tot Ion:163 Resp: 110898

Ion Ratio Lower Upper

163 100

194 3.8 2.7 4.1

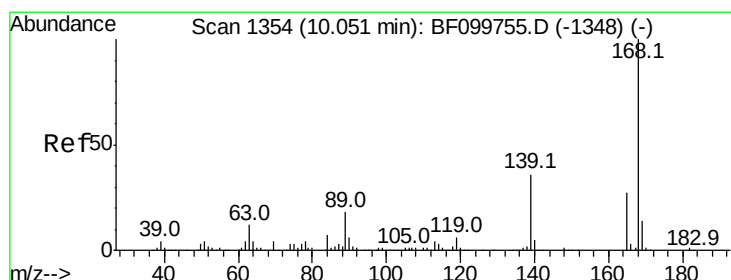
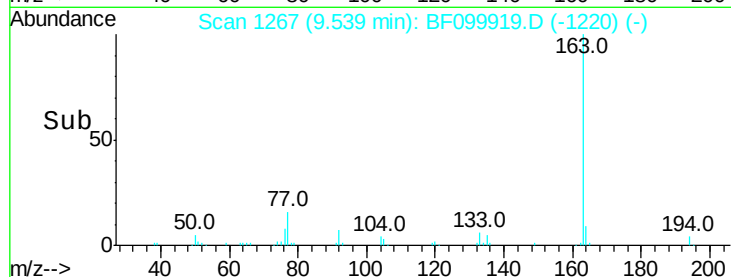
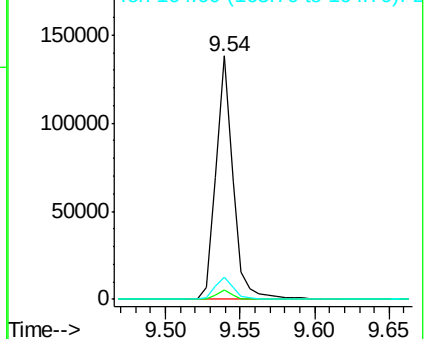
164 9.2 8.2 12.2



Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E



#56

2,4-Dinitrotoluene

Concen: 6.394 ng

RT: 9.82 min Scan# 1315

Delta R.T. -0.23 min

Lab File: BF099919.D

Acq: 28 Oct 2017 16:07

Tgt Ion:165 Resp: 21824

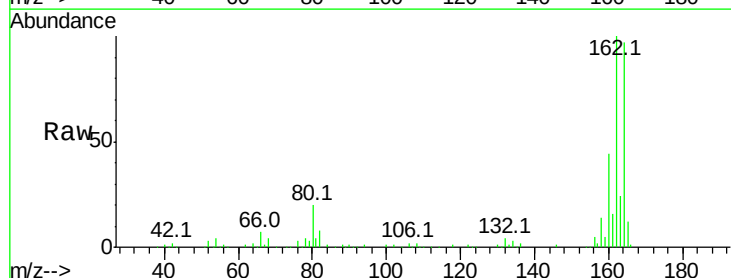
Ion Ratio Lower Upper

165 100

63 0.0 36.4 54.6#

89 1.2 57.8 86.6#

182 0.0 1.6 2.4#

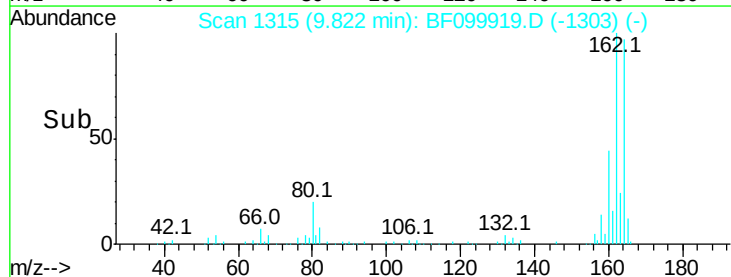
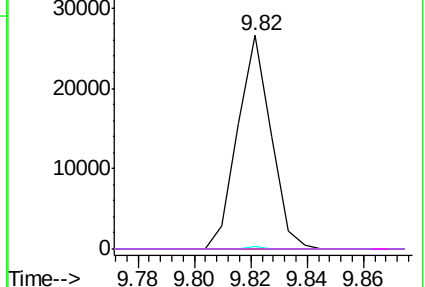


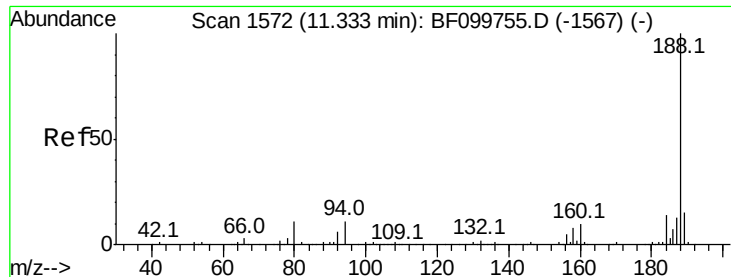
Abundance Ion 165.00 (164.70 to 165.70): E

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

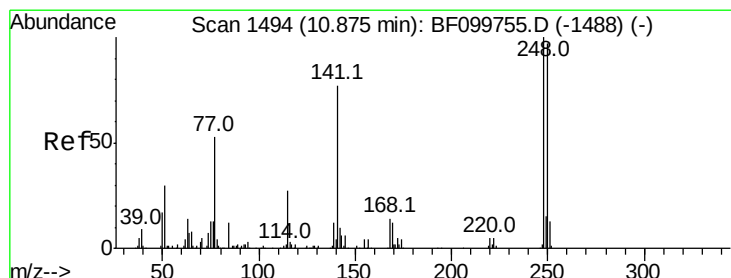
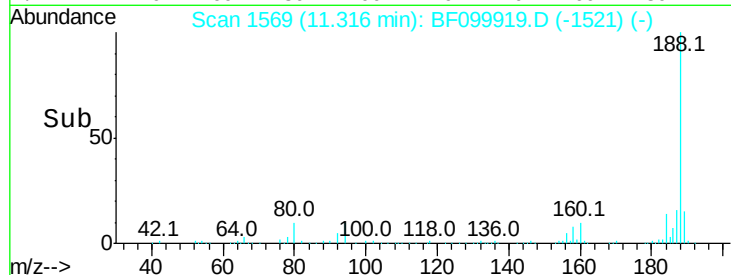
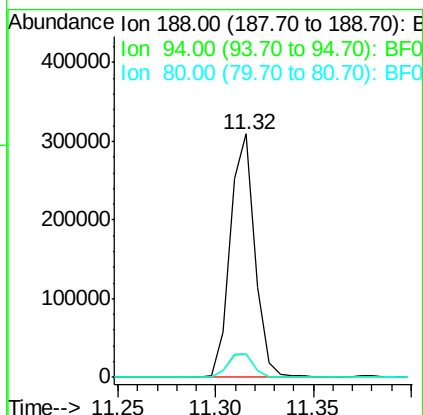
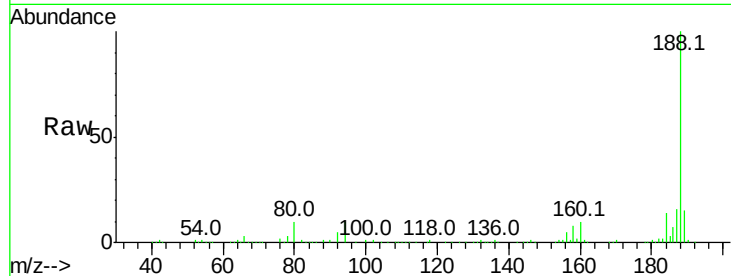




#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.32 min Scan# 1569
Delta R.T. -0.02 min
Lab File: BF099919.D
Acq: 28 Oct 2017 16:07

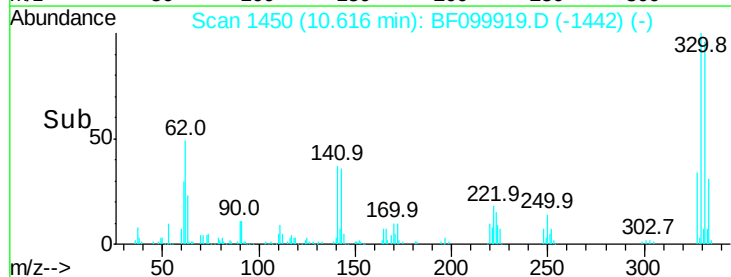
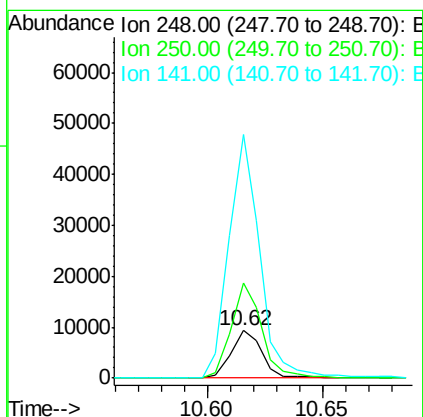
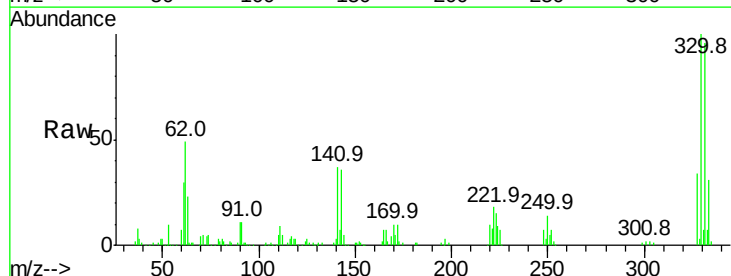
Instrument :
BNA_F
ClientSampleId :

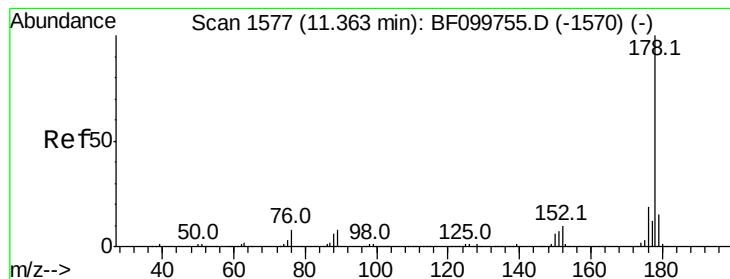
Tot Ion:188 Resp: 269051
Ion Ratio Lower Upper
188 100
94 9.7 8.5 12.7
80 9.6 9.2 13.8



#66
4-Bromophenyl-phenylether
Concen: 3.068 ng
RT: 10.62 min Scan# 1450
Delta R.T. -0.25 min
Lab File: BF099919.D
Acq: 28 Oct 2017 16:07

Tgt Ion:248 Resp: 8689
Ion Ratio Lower Upper
248 100
250 200.2 76.9 115.3#
141 513.4 74.4 111.6#





#70

Phenanthrene

Concen: 4.663 ng

RT: 11.34 min Scan# 1573

Delta R.T. -0.02 min

Lab File: BF099919.D

Acq: 28 Oct 2017 16:07

Instrument :

BNA_F

ClientSampled :

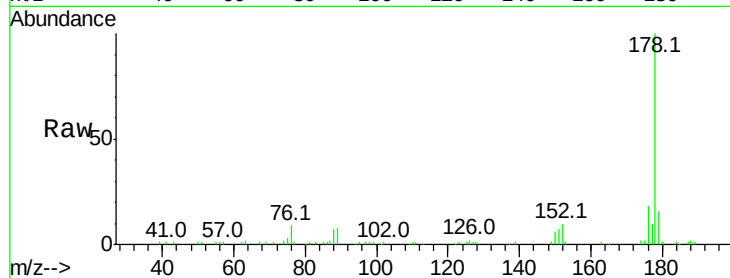
Tot Ion:178 Resp: 70805

Ion Ratio Lower Upper

178 100

176 18.3 15.8 23.8

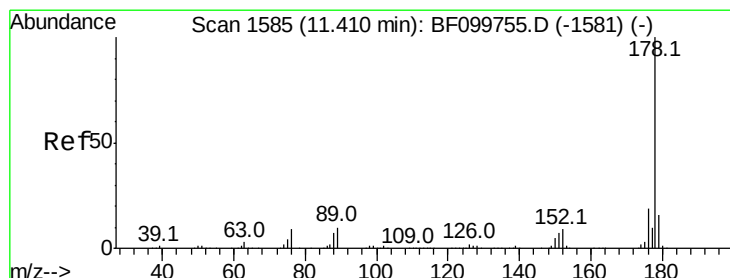
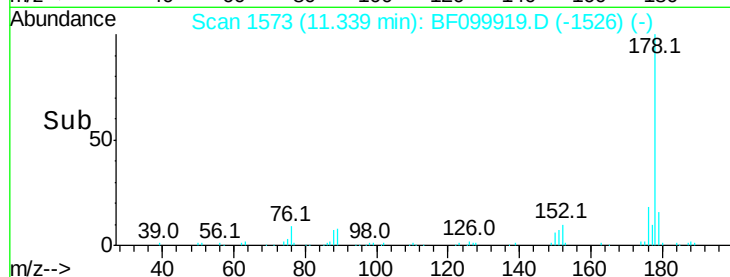
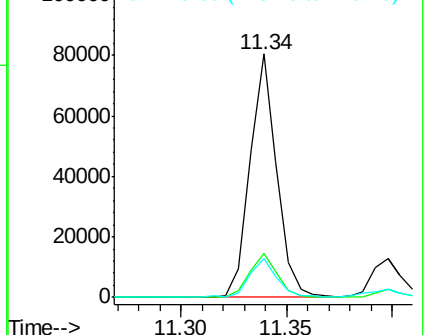
179 16.1 13.0 19.6



Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



#71

Anthracene

Concen: 4.594 ng

RT: 11.34 min Scan# 1573

Delta R.T. -0.08 min

Lab File: BF099919.D

Acq: 28 Oct 2017 16:07

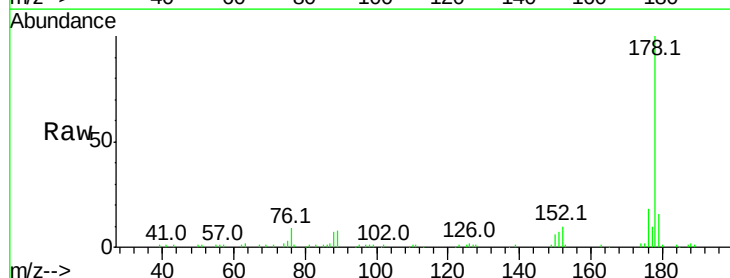
Tgt Ion:178 Resp: 70805

Ion Ratio Lower Upper

178 100

176 18.3 15.4 23.2

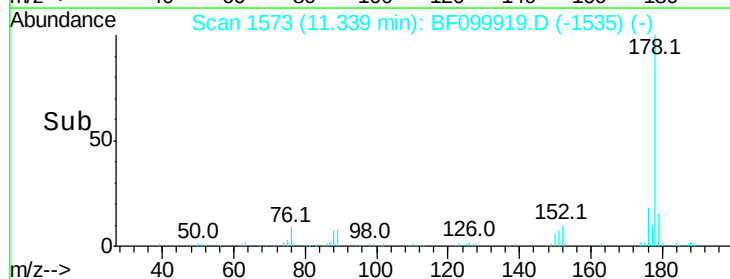
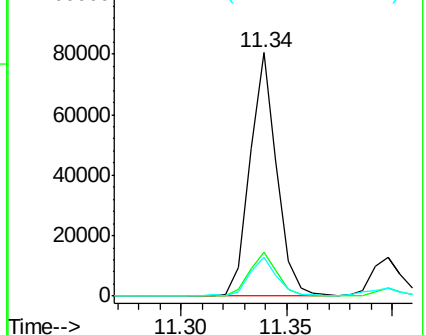
179 16.1 12.6 19.0

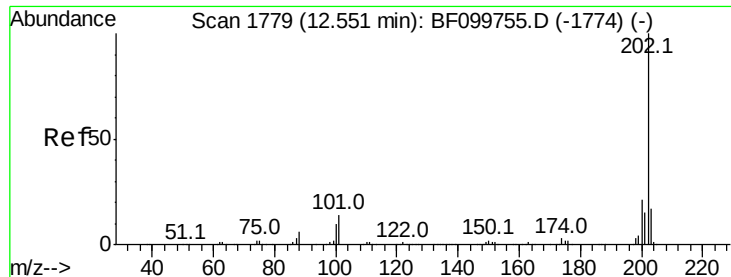


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#74

Fluoranthene

Concen: 6.638 ng

RT: 12.53 min Scan# 1776

Delta R.T. -0.02 min

Lab File: BF099919.D

Acq: 28 Oct 2017 16:07

Instrument :

BNA_F

ClientSampleId :

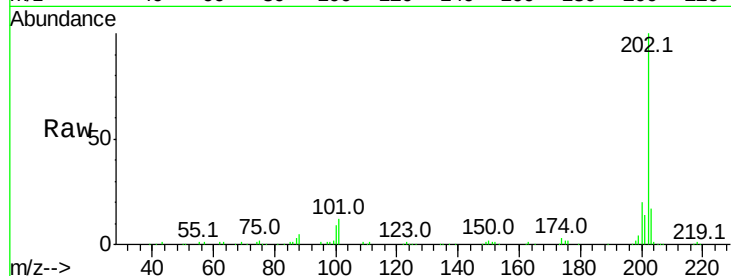
Tot Ion:202 Resp: 104745

Ion Ratio Lower Upper

202 100

101 11.9 0.0 34.1

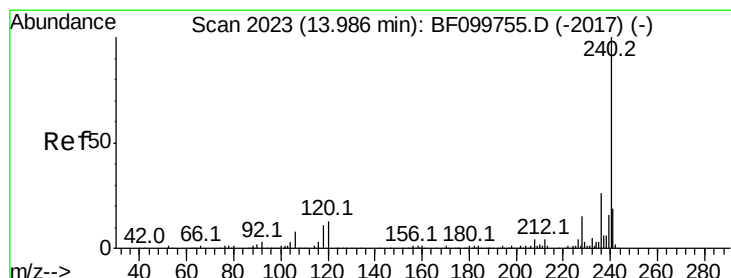
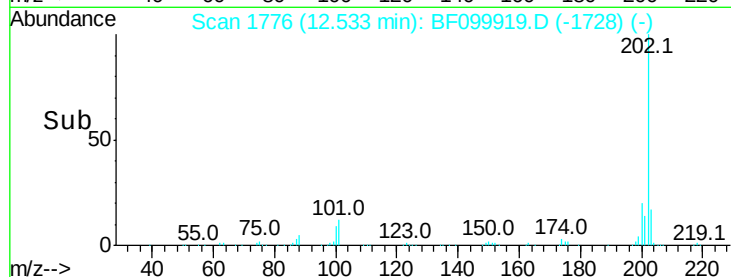
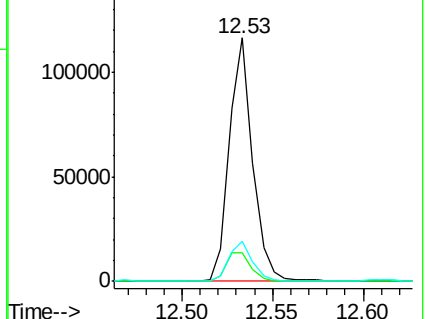
203 16.6 0.0 38.1



Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E



#75

Chrysene-d12

Concen: 20.000 ng

RT: 13.96 min Scan# 2019

Delta R.T. -0.03 min

Lab File: BF099919.D

Acq: 28 Oct 2017 16:07

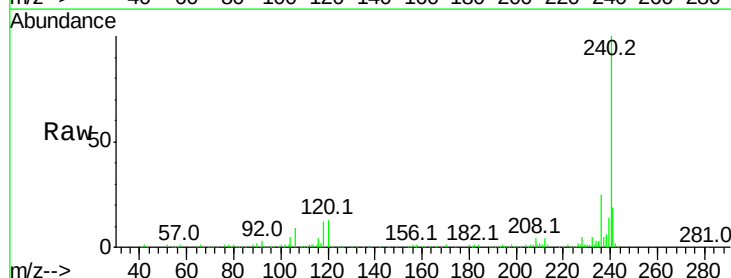
Tgt Ion:240 Resp: 160128

Ion Ratio Lower Upper

240 100

120 13.5 9.5 14.3

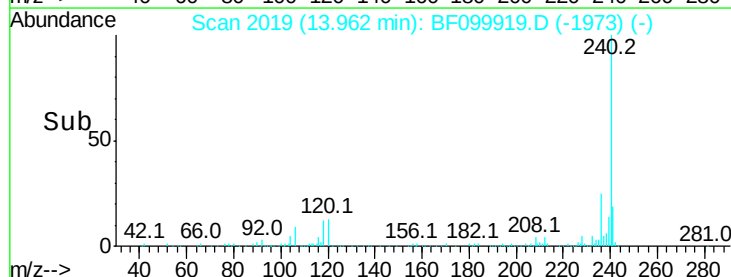
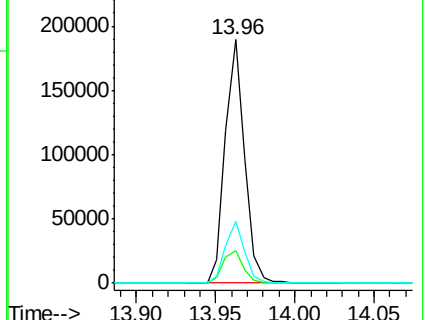
236 25.3 20.7 31.1

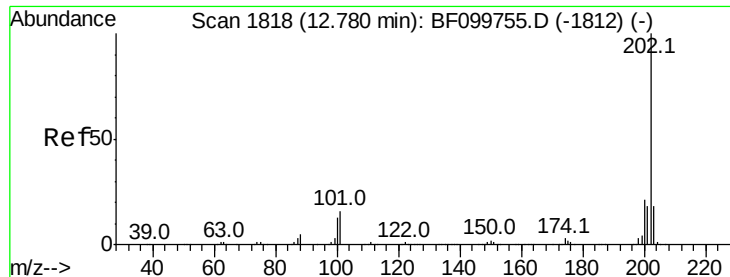


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

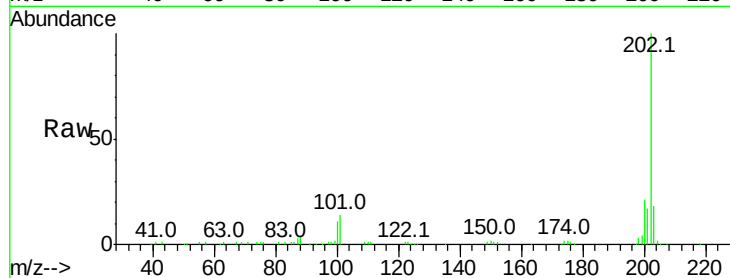




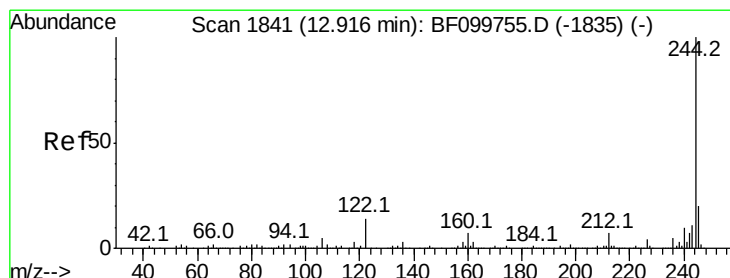
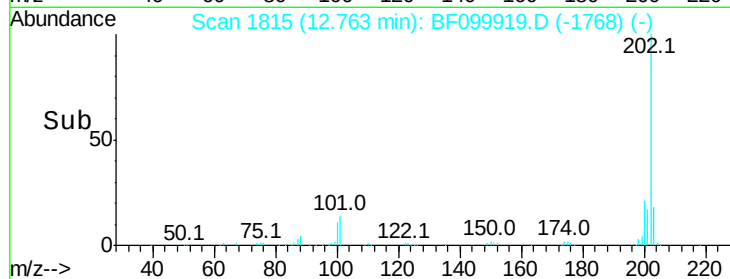
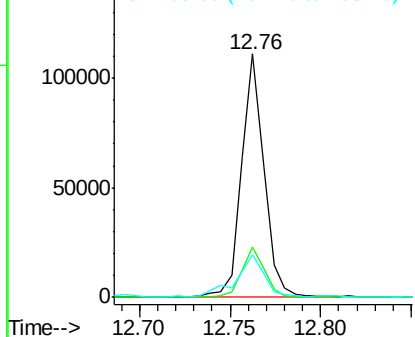
#77
Pvrene
Concen: 7.882 ng
RT: 12.76 min Scan# 1815
Delta R.T. -0.02 min
Lab File: BF099919.D
Acq: 28 Oct 2017 16:07

Instrument :
BNA_F
ClientSampled :

Tot Ion:202 Resp: 95968
Ion Ratio Lower Upper
202 100
200 20.7 17.4 26.2
203 17.6 14.3 21.5

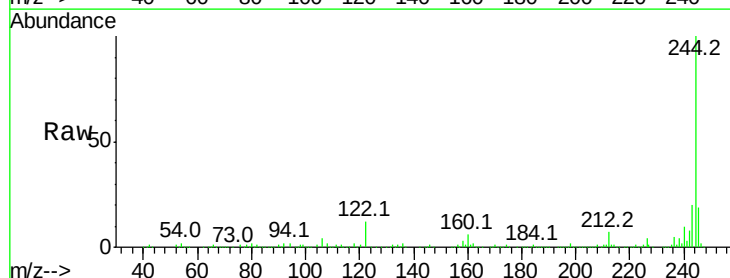


Abundance Ion 202.00 (201.70 to 202.70): E
Ion 200.00 (199.70 to 200.70): E
Ion 203.00 (202.70 to 203.70): E

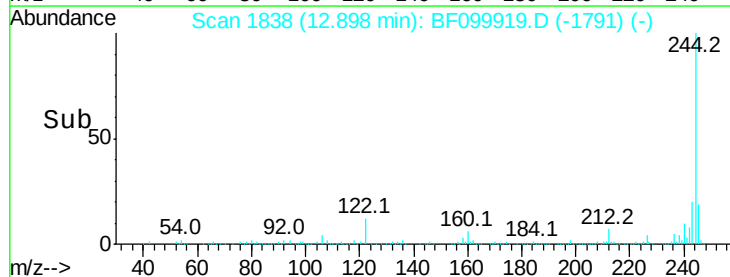
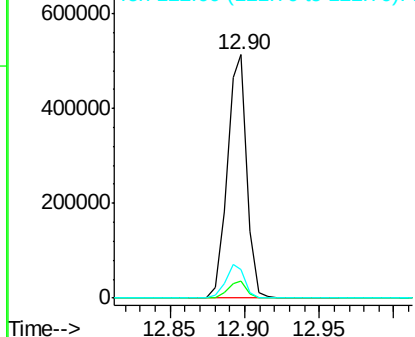


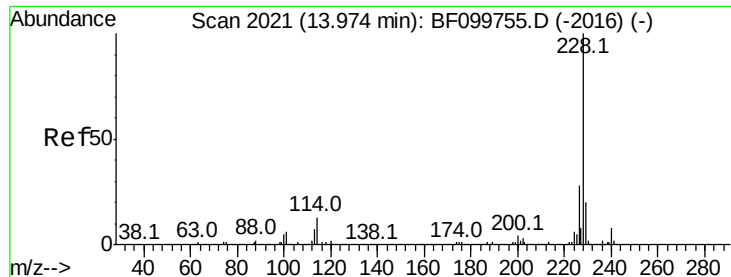
#78
Terphenyl-d14
Concen: 64.873 ng
RT: 12.90 min Scan# 1838
Delta R.T. -0.02 min
Lab File: BF099919.D
Acq: 28 Oct 2017 16:07

Tgt Ion:244 Resp: 475344
Ion Ratio Lower Upper
244 100
212 6.9 5.4 8.0
122 11.8 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





#80

Benzo(a)anthracene

Concen: 3.990 ng

RT: 13.95 min Scan# 2017

Delta R.T. -0.03 min

Lab File: BF099919.D

Acq: 28 Oct 2017 16:07

Instrument :

BNA_F

ClientSampleId :

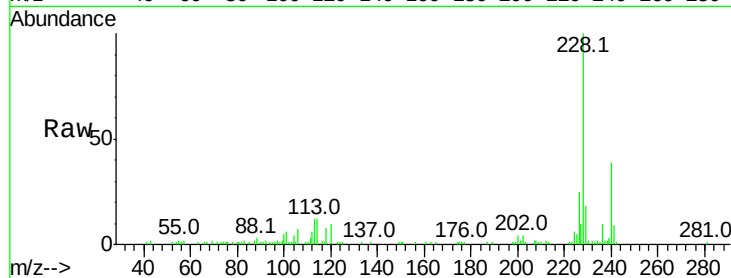
Tot Ion:228 Resp: 40500

Ion Ratio Lower Upper

228 100

226 24.5 22.6 33.8

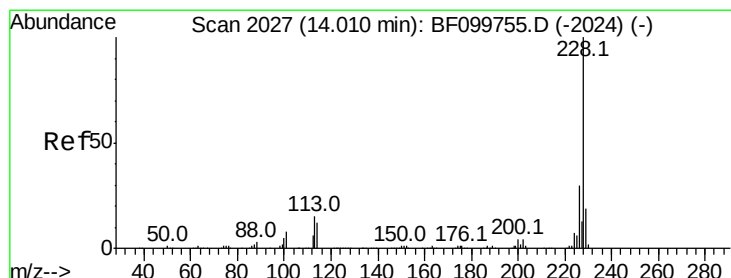
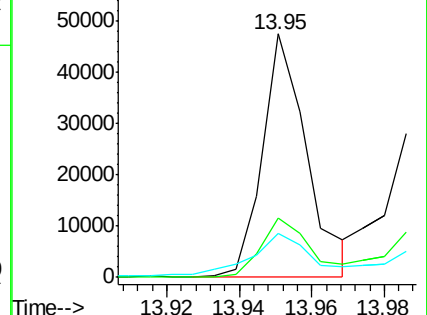
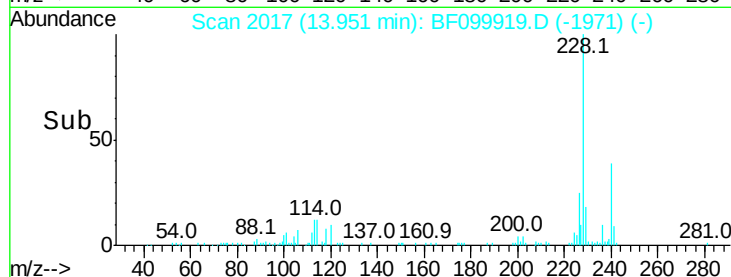
229 18.2 15.8 23.6



Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#82

Chrysene

Concen: 4.049 ng

RT: 13.99 min Scan# 2024

Delta R.T. -0.02 min

Lab File: BF099919.D

Acq: 28 Oct 2017 16:07

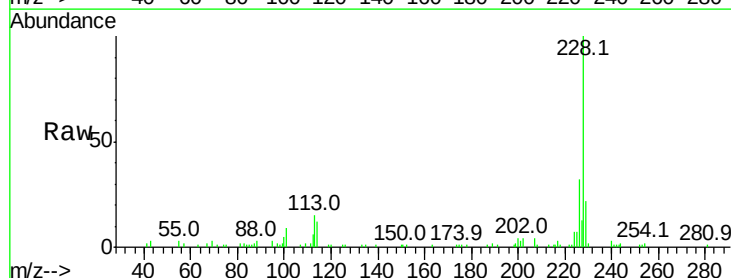
Tgt Ion:228 Resp: 38638

Ion Ratio Lower Upper

228 100

226 31.7 25.0 37.6

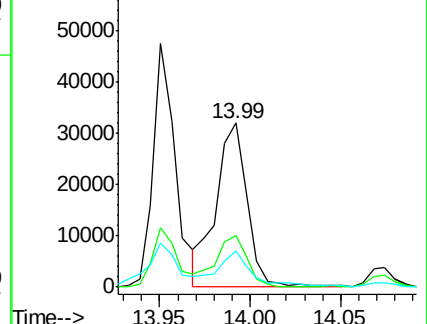
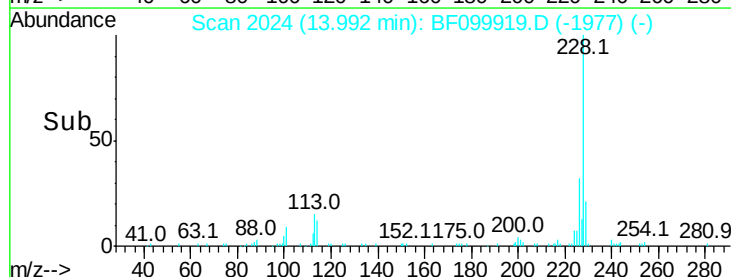
229 22.1 16.2 24.4

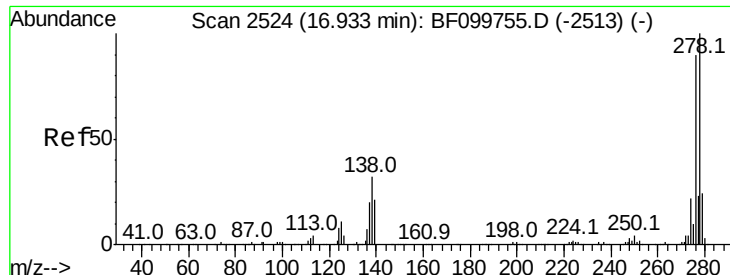


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

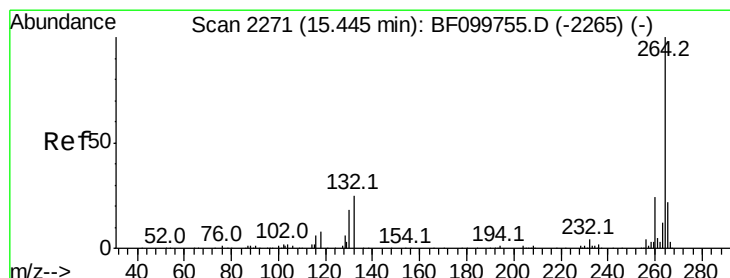
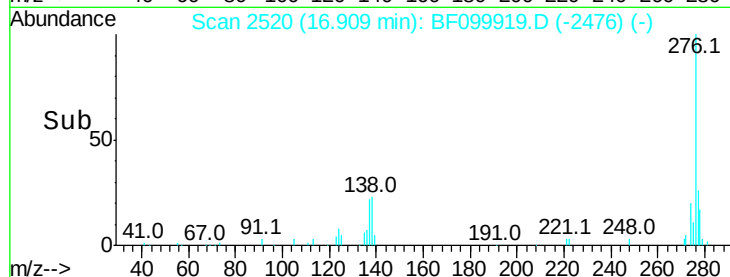
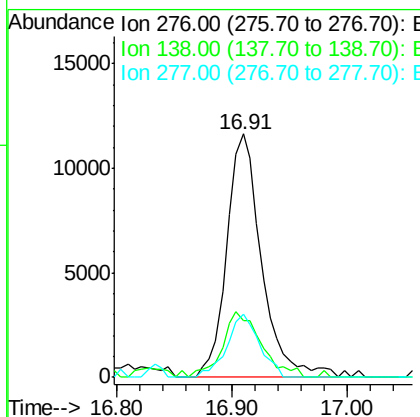
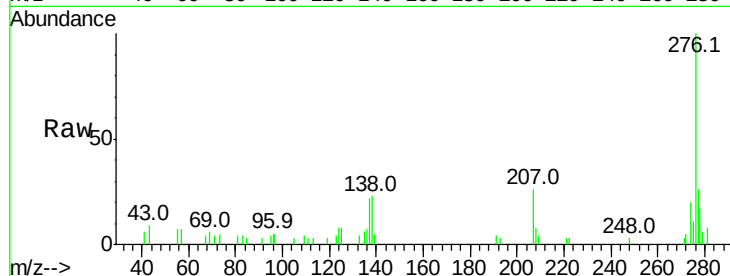




#85
 Indeno(1,2,3-cd)pyrene
 Concen: 2.782 ng
 RT: 16.91 min Scan# 2520
 Delta R.T. -0.04 min
 Lab File: BF099919.D
 Acq: 28 Oct 2017 16:07

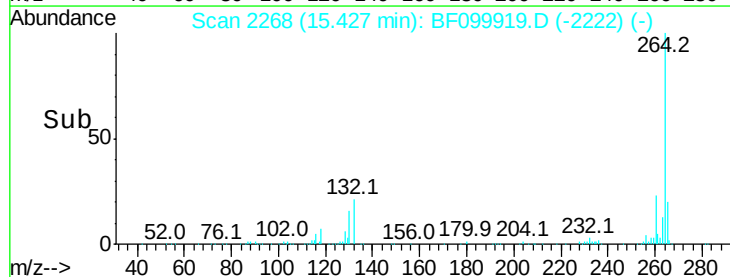
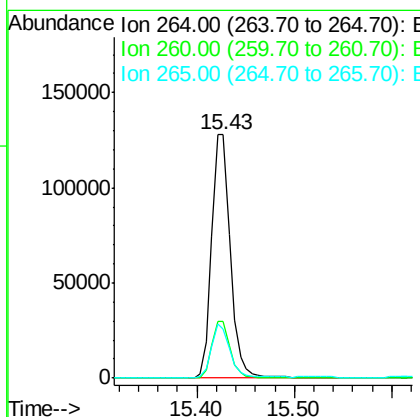
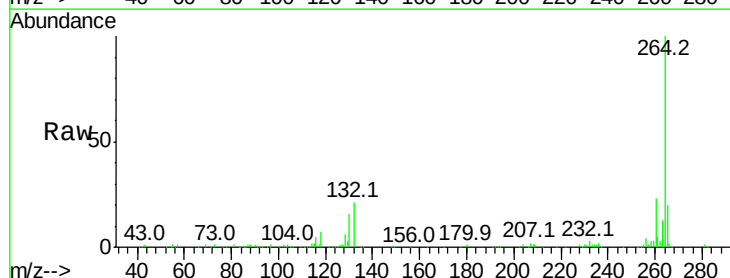
Instrument :
 BNA_F
 ClientSampleId :

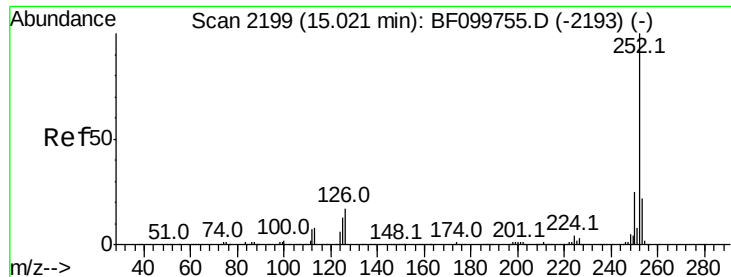
Tot Ion	Ratio	Lower	Upper
276	100		
138	29.8	25.0	37.6
277	24.0	20.1	30.1



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.43 min Scan# 2268
 Delta R.T. -0.03 min
 Lab File: BF099919.D
 Acq: 28 Oct 2017 16:07

Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.3	19.2	28.8
265	20.1	17.5	26.3

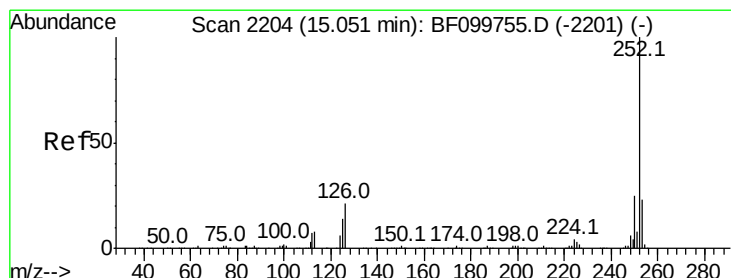
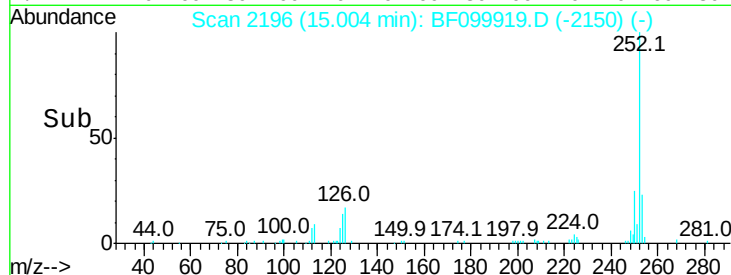
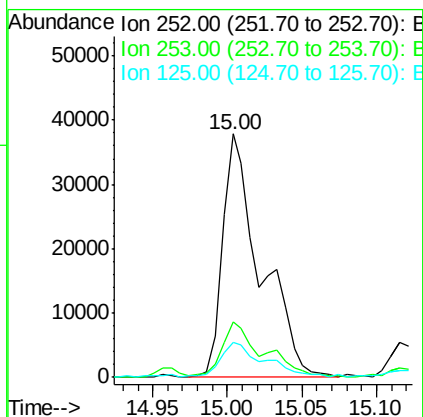
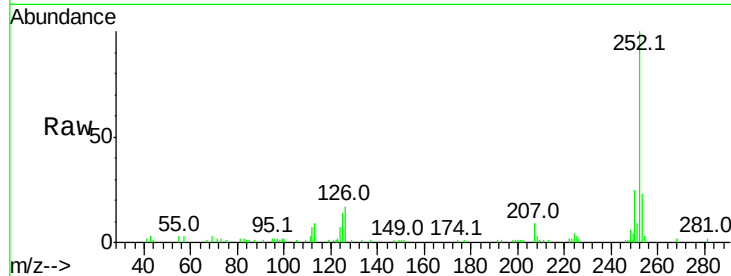




#87
Benzo(b)fluoranthene
Concen: 6.256 ng
RT: 15.00 min Scan# 2196
Delta R.T. -0.03 min
Lab File: BF099919.D
Acq: 28 Oct 2017 16:07

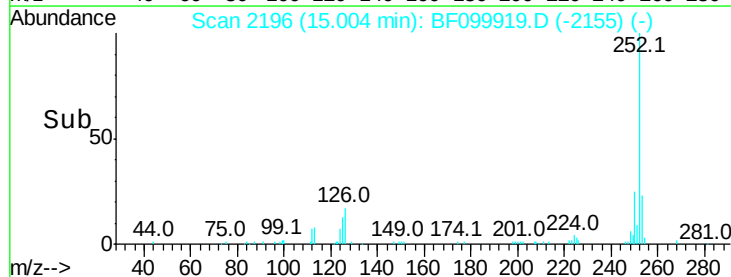
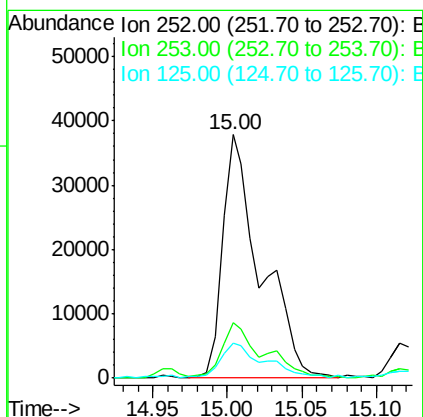
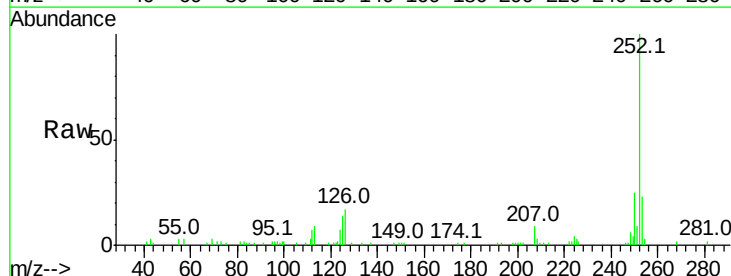
Instrument :
BNA_F
ClientSampleId :

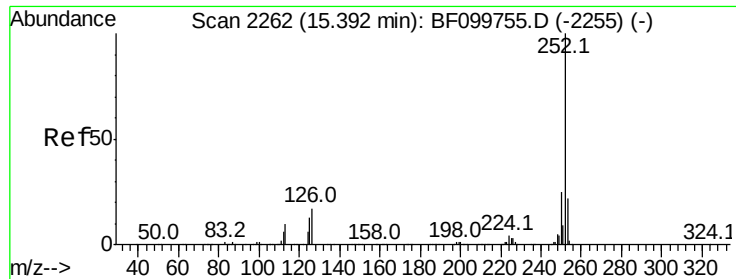
Tot Ion:252 Resp: 67576
Ion Ratio Lower Upper
252 100
253 22.8 17.0 25.6
125 14.3 9.0 13.6#



#88
Benzo(k)fluoranthene
Concen: 6.634 ng
RT: 15.00 min Scan# 2196
Delta R.T. -0.06 min
Lab File: BF099919.D
Acq: 28 Oct 2017 16:07

Tgt Ion:252 Resp: 67576
Ion Ratio Lower Upper
252 100
253 22.8 17.9 26.9
125 14.3 10.2 15.2





#89

Benzo(a)pyrene

Concen: 3.622 ng

RT: 15.37 min Scan# 2258

Delta R.T. -0.04 min

Lab File: BF099919.D

Acq: 28 Oct 2017 16:07

Instrument :

BNA_F

ClientSampleId :

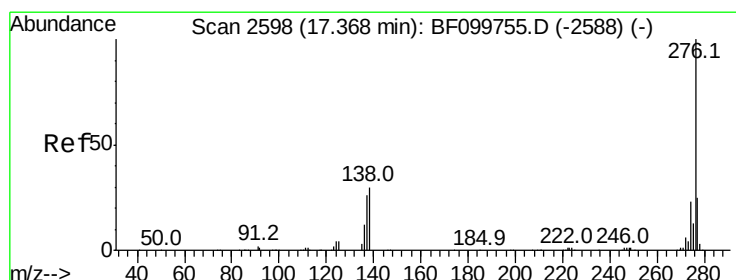
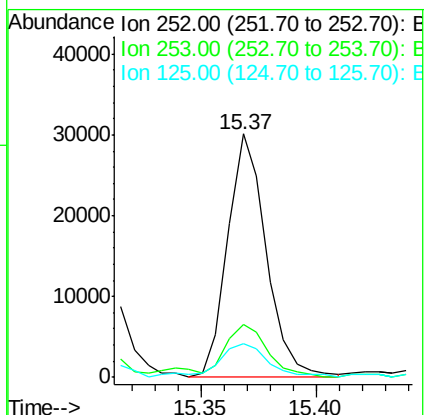
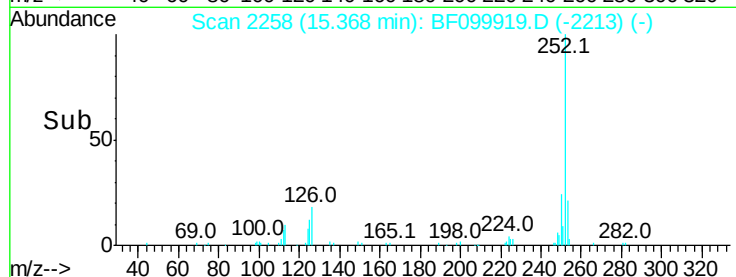
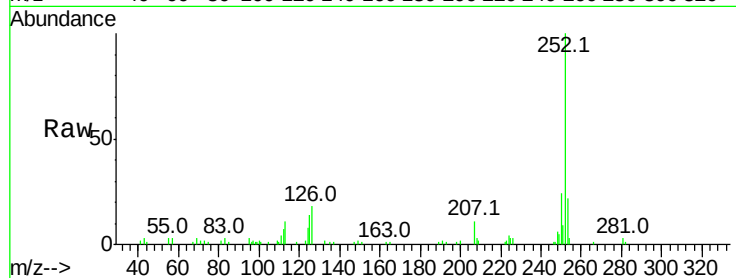
Tot Ion:252 Resp: 35150

Ion Ratio Lower Upper

252 100

253 21.6 17.1 25.7

125 13.6 9.8 14.6



#91

Benzo(g,h,i)perylene

Concen: 2.699 ng

RT: 17.36 min Scan# 2596

Delta R.T. -0.04 min

Lab File: BF099919.D

Acq: 28 Oct 2017 16:07

Tgt Ion:276 Resp: 22769

Ion Ratio Lower Upper

276 100

277 23.7 17.9 26.9

138 29.3 21.8 32.8

