

Data Path : Z:\HPCHEM1\BNA F\DATA\BF103017\
 Data File : BF099965.D
 Acq On : 30 Oct 2017 17:45
 Operator : SJ/JU
 Sample : I6171-05 2X
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Oct 31 02:27:17 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

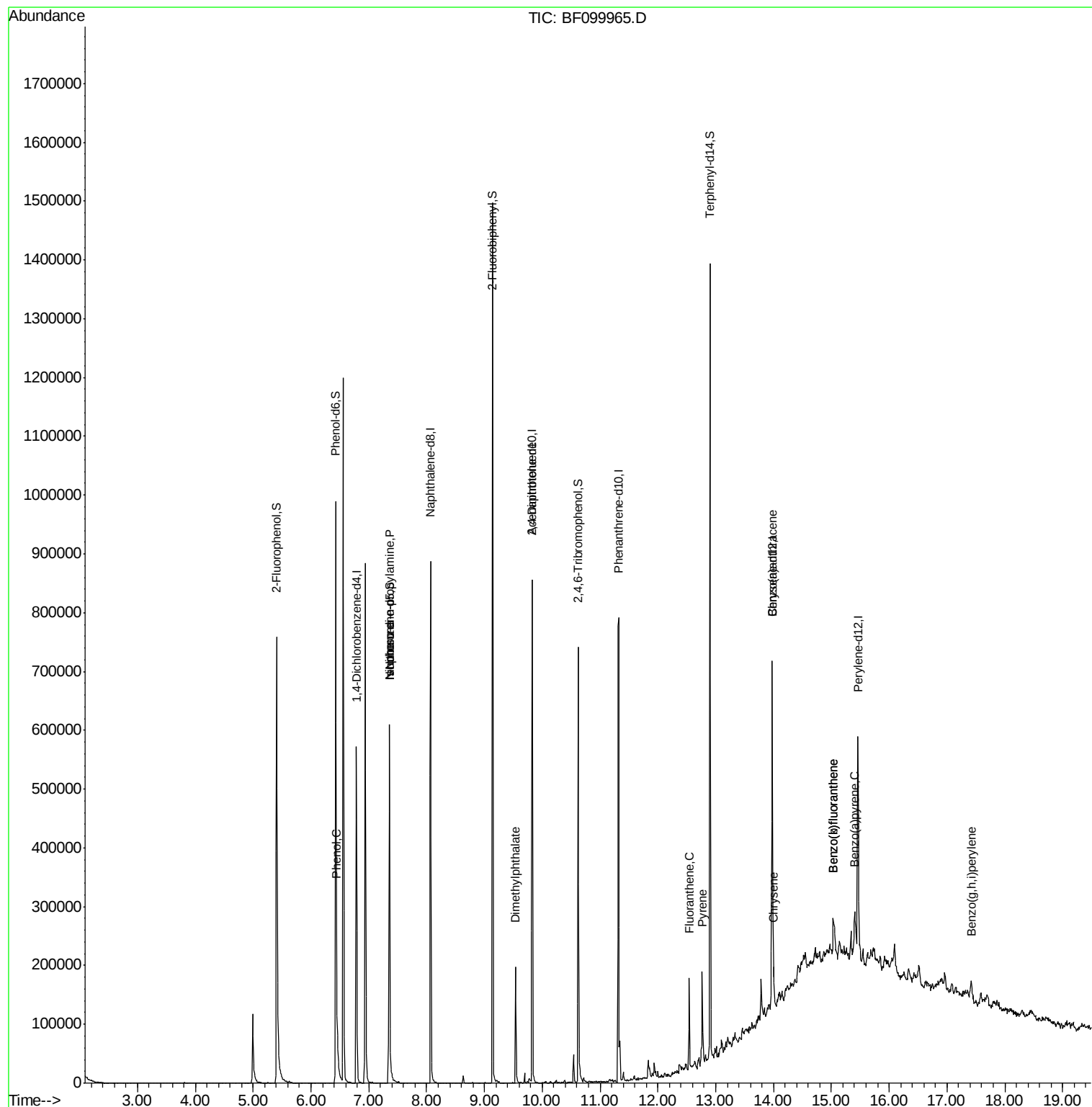
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.79	152	97769	20.00	ng	0.00
21) Naphthalene-d8	8.07	136	402265	20.00	ng	-0.01
38) Acenaphthene-d10	9.82	164	182539	20.00	ng	-0.02
63) Phenanthrene-d10	11.32	188	308635	20.00	ng	-0.02
75) Chrysene-d12	13.97	240	193780	20.00	ng	-0.02
86) Perylene-d12	15.46	264	185315	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.40	112	320949	51.54	ng	-0.01
7) Phenol-d6	6.43	99	413433	55.99	ng	-0.01
23) Nitrobenzene-d5	7.36	82	213180	34.12	ng	-0.01
41) 2,4,6-Tribromophenol	10.62	330	97657	58.71	ng	-0.02
44) 2-Fluorobiphenyl	9.15	172	510845	43.18	ng	-0.01
78) Terphenyl-d14	12.90	244	413674	46.65	ng	-0.02
Target Compounds						
10) Phenol	6.45	94	20188	2.490	ng	79
19) n-Nitroso-di-n-propylamine	7.36	70	26461	6.115	ng	# 70
25) Isophorone	7.36	82	213180	18.802	ng	# 64
49) Dimethylphthalate	9.54	163	86701	5.998	ng	99
56) 2,4-Dinitrotoluene	9.82	165	22921	6.263	ng	# 21
74) Fluoranthene	12.54	202	57439	3.173	ng	98
77) Pyrene	12.77	202	63148	4.286	ng	98
80) Benzo(a)anthracene	13.97	228	25297	2.059	ng	96
82) Chrysene	14.00	228	25864	2.240	ng	96
87) Benzo(b)fluoranthene	15.03	252	50261	4.295	ng	# 86
88) Benzo(k)fluoranthene	15.03	252	50261	4.555	ng	# 89
89) Benzo(a)pyrene	15.40	252	27618	2.627	ng	# 83
91) Benzo(a,h,i)perylene	17.42	276	20094	2.199	ng	# 85

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

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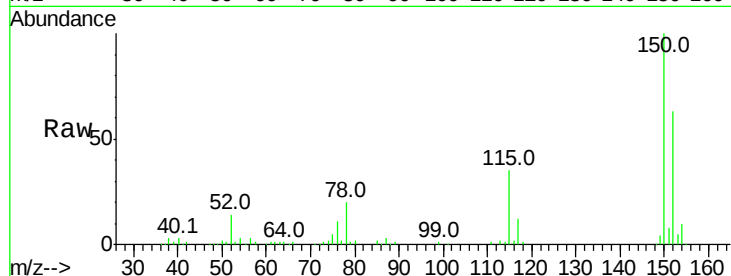


#1

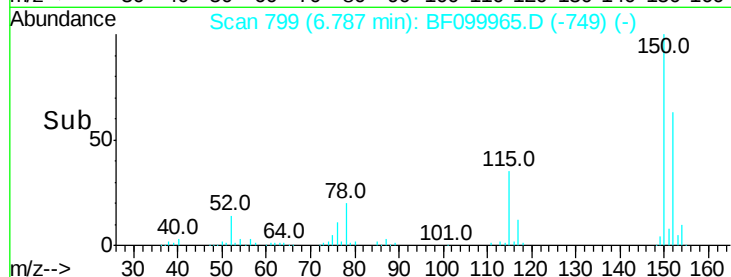
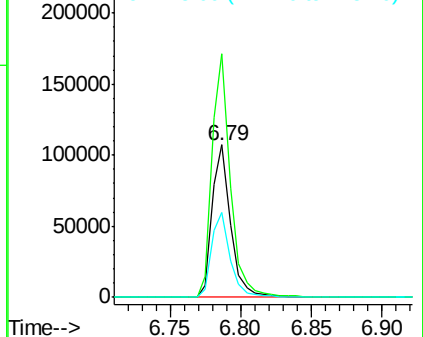
1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.79 min Scan# 799
 Delta R.T. -0.01 min
 Lab File: BF099965.D
 Acq: 30 Oct 2017 17:45

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:152 Resp: 97769
 Ion Ratio Lower Upper
 152 100
 150 159.7 124.6 186.8
 115 55.8 50.1 75.1



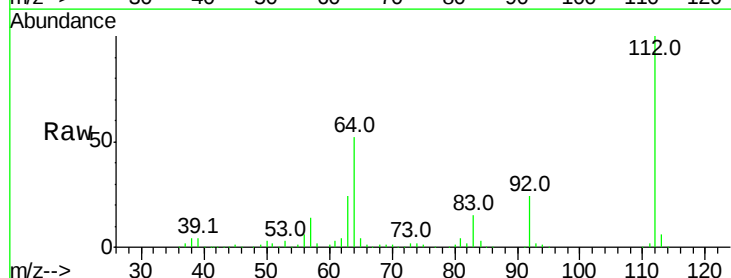
Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E



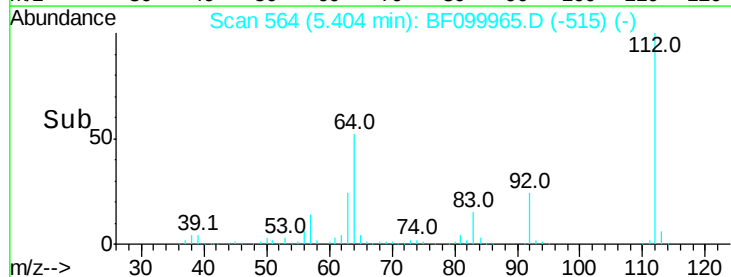
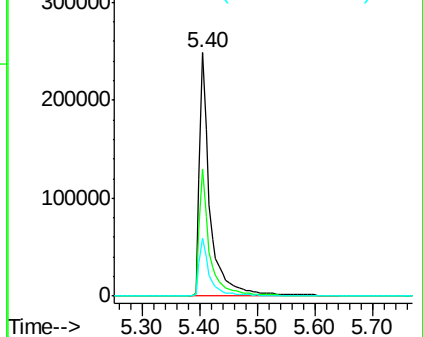
#5

2-Fluorophenol
 Concen: 51.538 ng
 RT: 5.40 min Scan# 564
 Delta R.T. -0.01 min
 Lab File: BF099965.D
 Acq: 30 Oct 2017 17:45

Tgt Ion:112 Resp: 320949
 Ion Ratio Lower Upper
 112 100
 64 52.4 47.9 71.9
 63 24.1 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: 55.990 ng

RT: 6.43 min Scan# 738

Delta R.T. -0.01 min

Lab File: BF099965.D

Acq: 30 Oct 2017 17:45

Instrument :

BNA_F

ClientSampled :

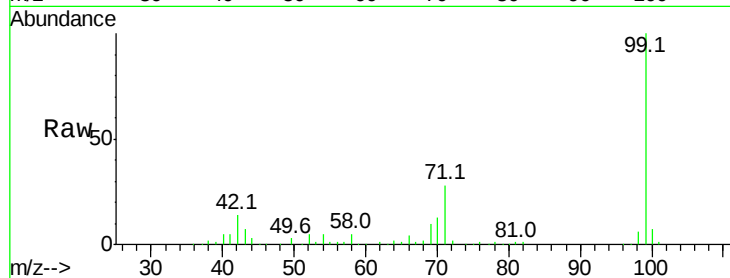
Tot Ion: 99 Resp: 413433

Ion Ratio Lower Upper

99 100

42 13.9 14.5 21.7#

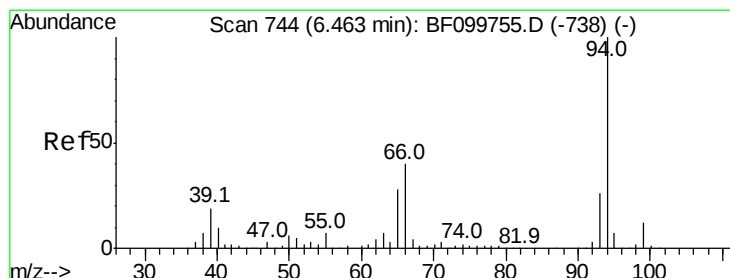
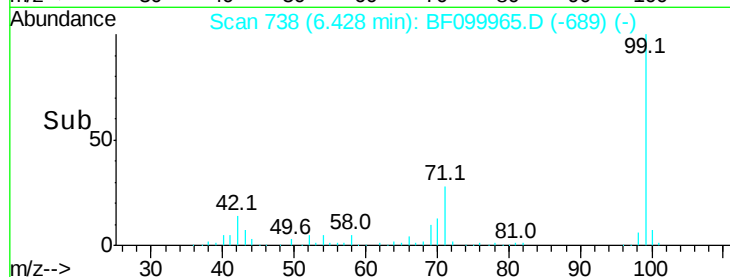
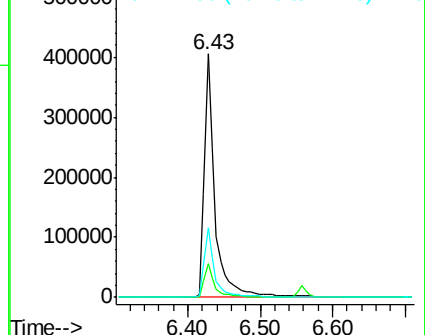
71 28.3 25.4 38.0



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



#10

Phenol

Concen: 2.490 ng

RT: 6.45 min Scan# 741

Delta R.T. -0.01 min

Lab File: BF099965.D

Acq: 30 Oct 2017 17:45

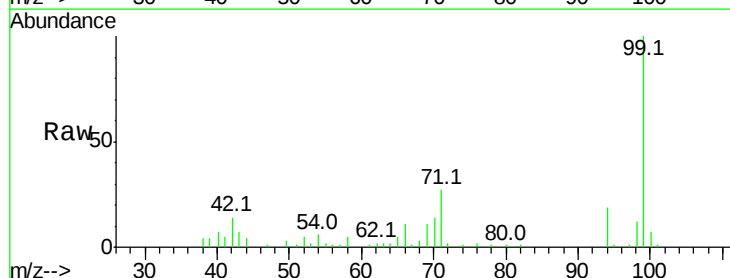
Tgt Ion: 94 Resp: 20188

Ion Ratio Lower Upper

94 100

65 25.1 7.9 47.9

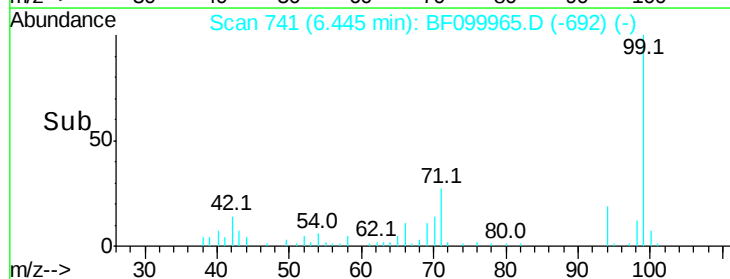
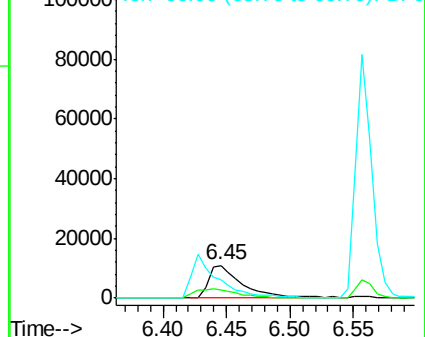
66 55.4 16.2 56.2

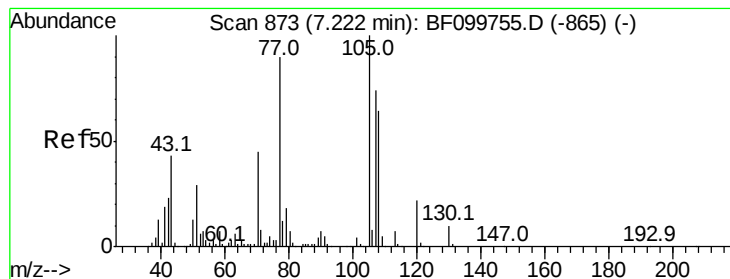


Abundance Ion 94.00 (93.70 to 94.70): BF0

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: 6.115 ng

RT: 7.36 min Scan# 896

Delta R.T. 0.15 min

Lab File: BF099965.D

Acq: 30 Oct 2017 17:45

Instrument :

BNA_F

ClientSampleId :

Tot Ion: 70 Resp: 26461

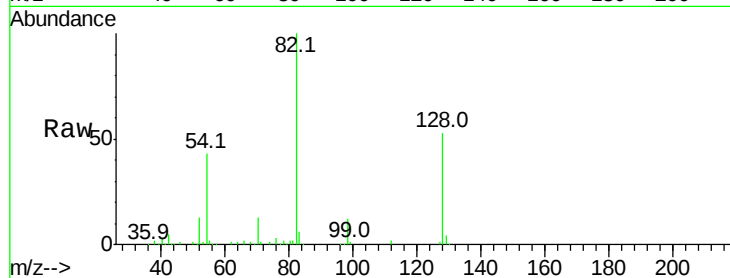
Ion Ratio Lower Upper

70 100

42 39.4 47.5 71.3#

101 0.0 7.4 11.2#

130 2.1 16.6 25.0#

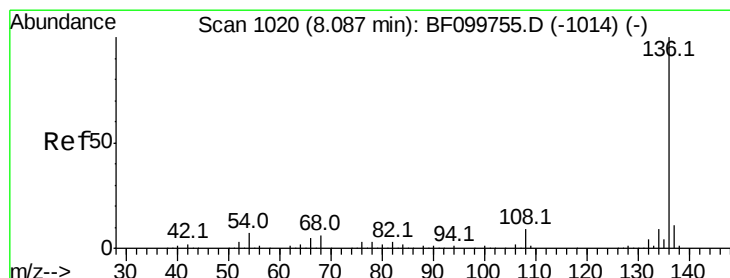
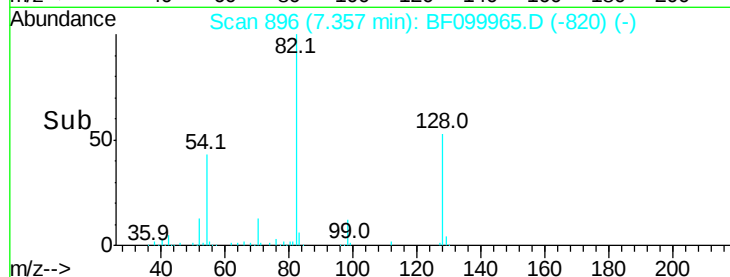
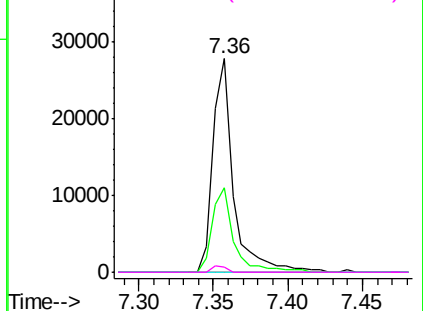


Abundance Ion 70.00 (69.70 to 70.70): BF0

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: 8.07 min Scan# 1017

Delta R.T. -0.01 min

Lab File: BF099965.D

Acq: 30 Oct 2017 17:45

Tgt Ion:136 Resp: 402265

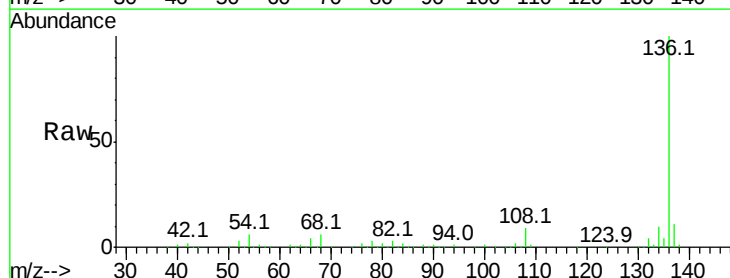
Ion Ratio Lower Upper

136 100

137 11.0 8.9 13.3

54 6.4 6.6 9.8#

68 5.5 5.0 7.4

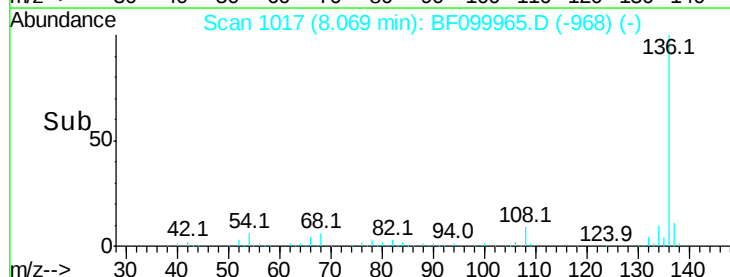
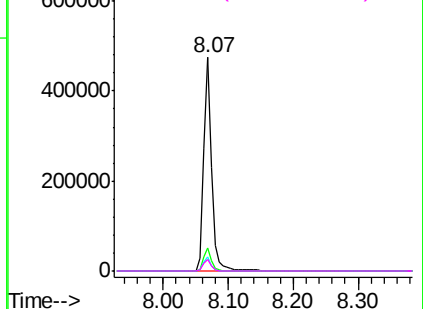


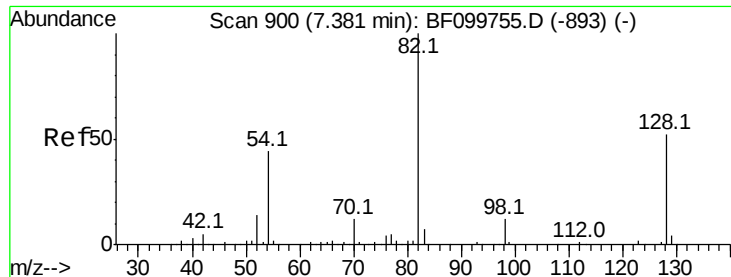
Abundance Ion 136.00 (135.70 to 136.70): BF0

Ion 137.00 (136.70 to 137.70): BF0

Ion 54.00 (53.70 to 54.70): BF0

Ion 68.00 (67.70 to 68.70): BF0

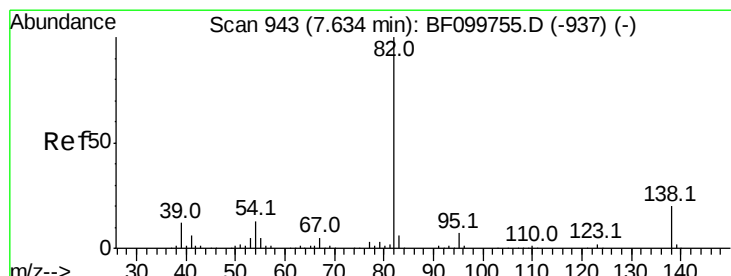
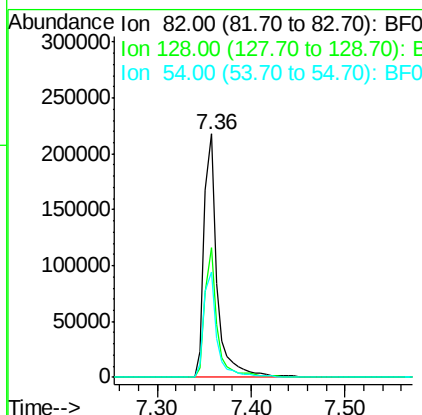
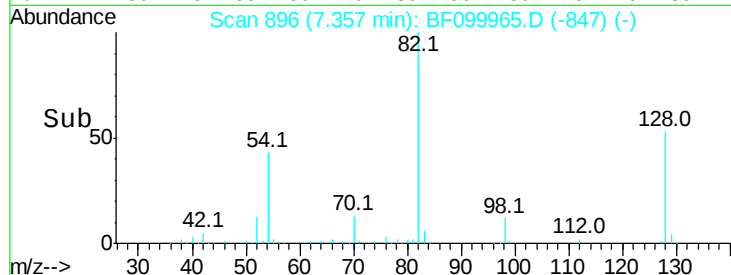
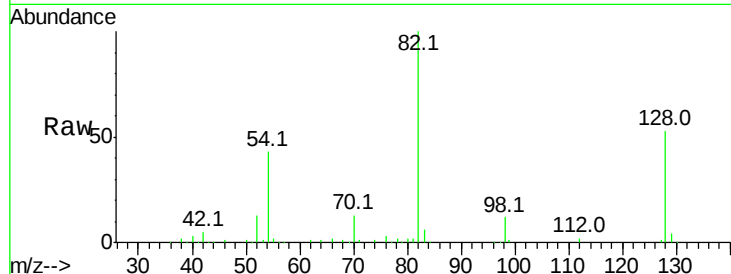




#23
 Nitrobenzene-d5
 Concen: 34.118 ng
 RT: 7.36 min Scan# 896
 Delta R.T. -0.01 min
 Lab File: BF099965.D
 Acq: 30 Oct 2017 17:45

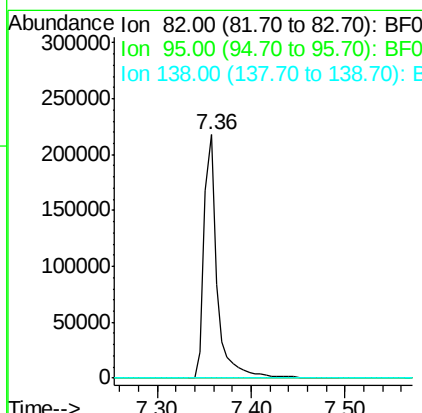
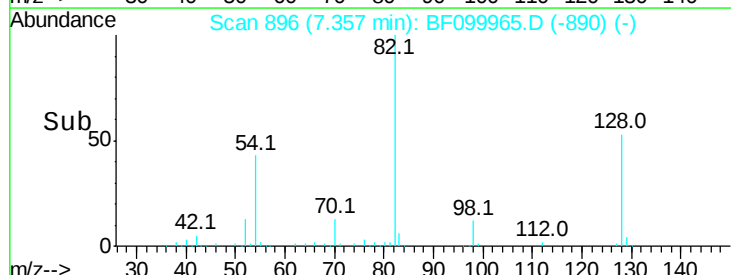
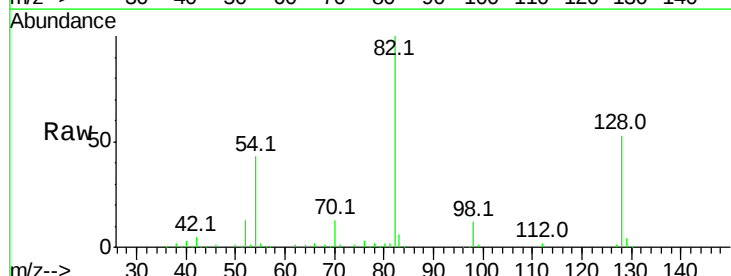
Instrument :
 BNA_F
 ClientSampled :

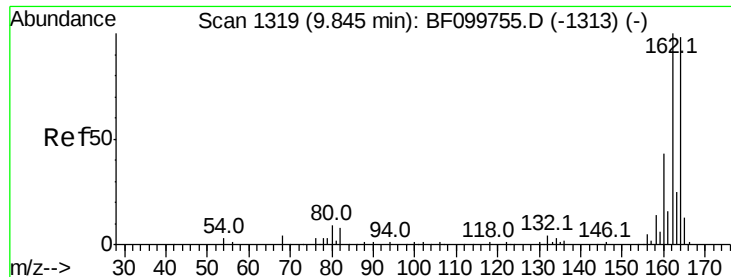
Tot Ion	Ratio	Lower	Upper
82	100		
128	53.5	36.1	54.1
54	43.4	41.4	62.2



#25
 Isophorone
 Concen: 18.802 ng
 RT: 7.36 min Scan# 896
 Delta R.T. -0.26 min
 Lab File: BF099965.D
 Acq: 30 Oct 2017 17:45

Tgt Ion	Ratio	Lower	Upper
82	100		
95	0.0	5.2	7.8#
138	0.0	14.9	22.3#

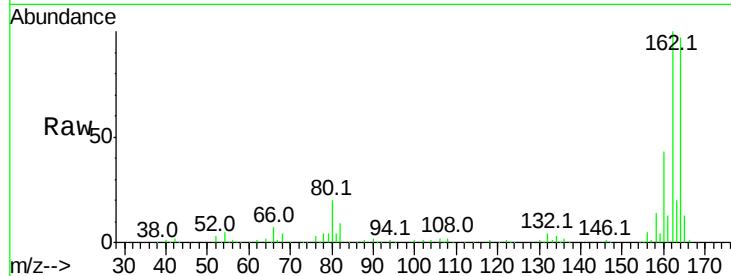




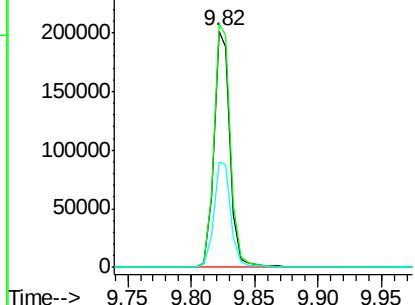
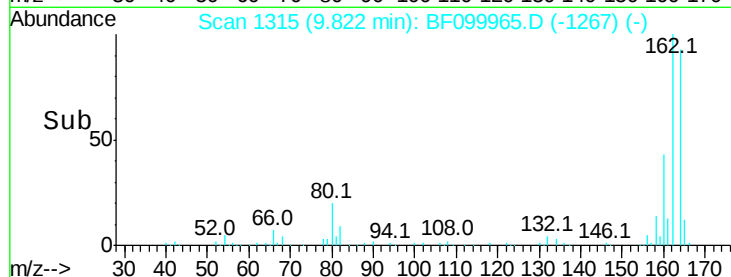
#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.82 min Scan# 1315
Delta R.T. -0.02 min
Lab File: BF099965.D
Acq: 30 Oct 2017 17:45

Instrument :
BNA_F
ClientSampleId :

Tot Ion:164 Resp: 182539
Ion Ratio Lower Upper
164 100
162 103.0 86.1 129.1
160 44.6 38.3 57.5

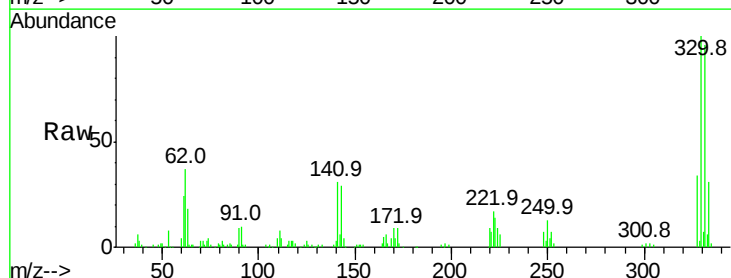


Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

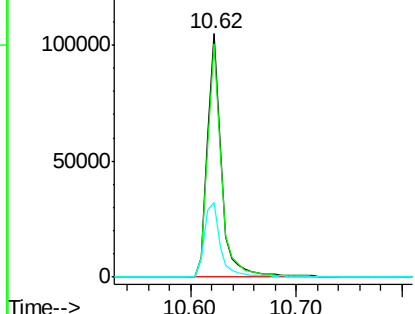
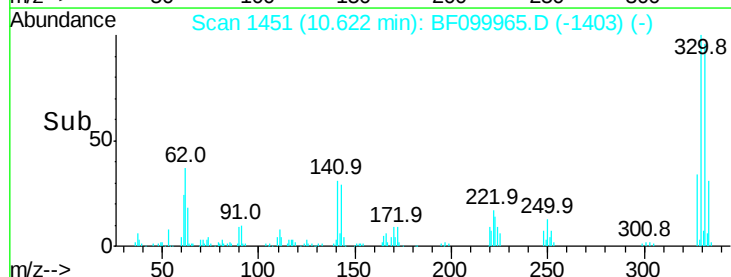


#41
2,4,6-Tribromophenol
Concen: 58.705 ng
RT: 10.62 min Scan# 1451
Delta R.T. -0.02 min
Lab File: BF099965.D
Acq: 30 Oct 2017 17:45

Tgt Ion:330 Resp: 97657
Ion Ratio Lower Upper
330 100
332 96.1 77.0 115.6
141 35.4 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

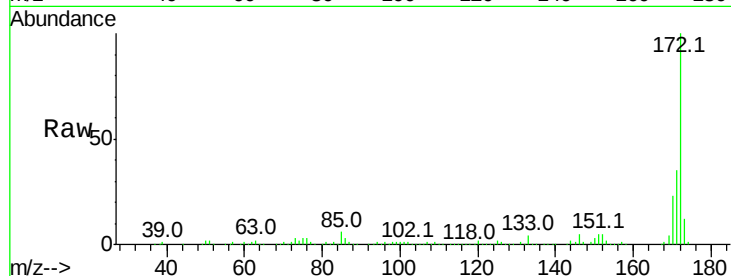




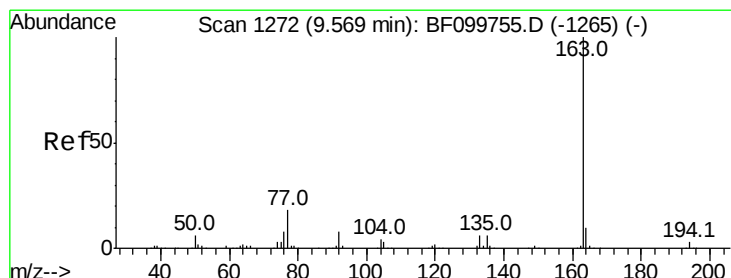
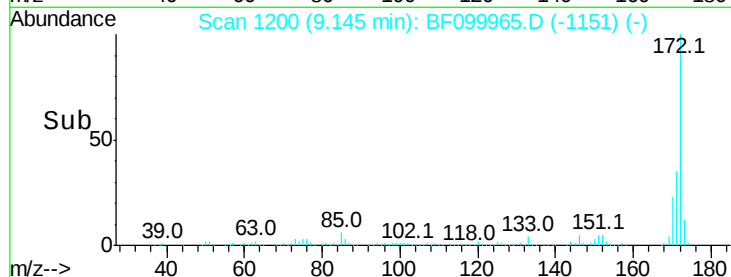
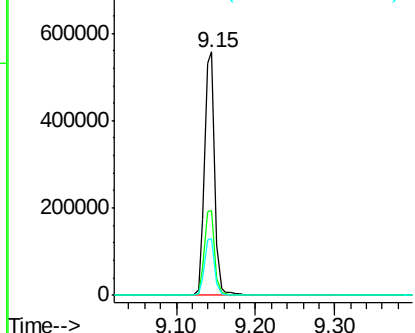
#44
 2-Fluorobiphenyl
 Concen: 43.177 ng
 RT: 9.15 min Scan# 1200
 Delta R.T. -0.01 min
 Lab File: BF099965.D
 Acq: 30 Oct 2017 17:45

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:172 Resp: 510845
 Ion Ratio Lower Upper
 172 100
 171 34.8 29.7 44.5
 170 23.2 19.6 29.4

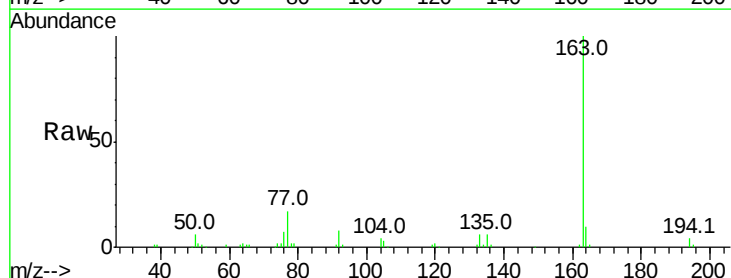


Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E

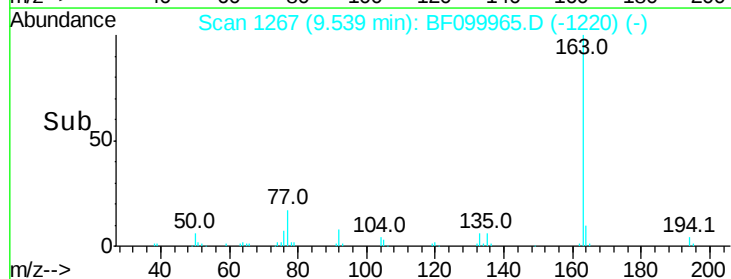
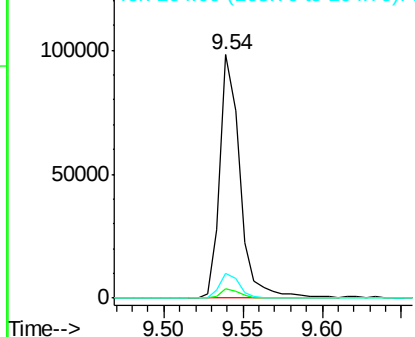


#49
 Dimethylphthalate
 Concen: 5.998 ng
 RT: 9.54 min Scan# 1267
 Delta R.T. -0.02 min
 Lab File: BF099965.D
 Acq: 30 Oct 2017 17:45

Tgt Ion:163 Resp: 86701
 Ion Ratio Lower Upper
 163 100
 194 3.8 2.7 4.1
 164 10.4 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

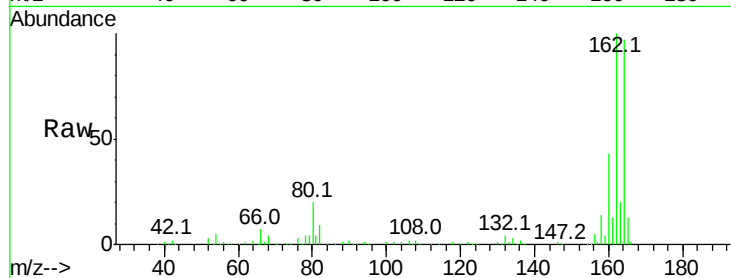




#56
 2,4-Dinitrotoluene
 Concen: 6.263 ng
 RT: 9.82 min Scan# 1315
 Delta R.T. -0.23 min
 Lab File: BF099965.D
 Acq: 30 Oct 2017 17:45

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:	165	Resp:	22921
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#

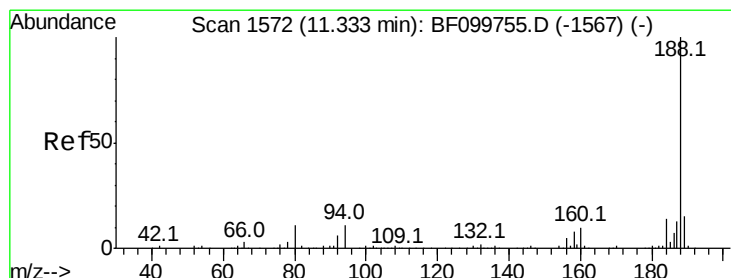
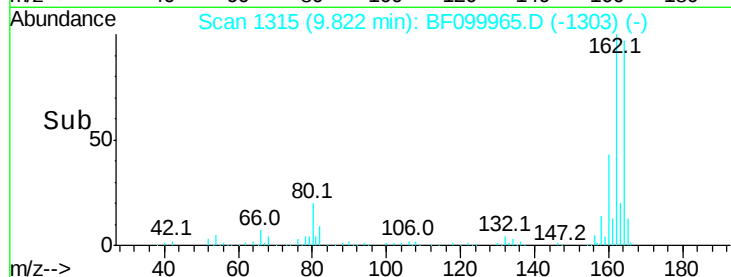
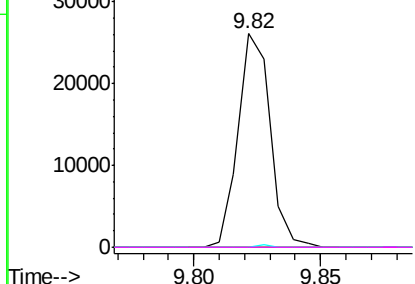


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF0

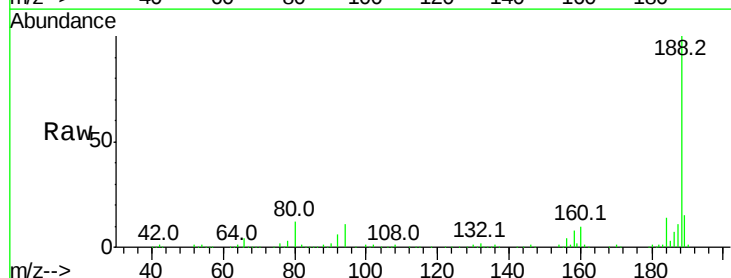
Ion 89.00 (88.70 to 89.70): BF0

Ion 182.00 (181.70 to 182.70): E



#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.32 min Scan# 1569
 Delta R.T. -0.02 min
 Lab File: BF099965.D
 Acq: 30 Oct 2017 17:45

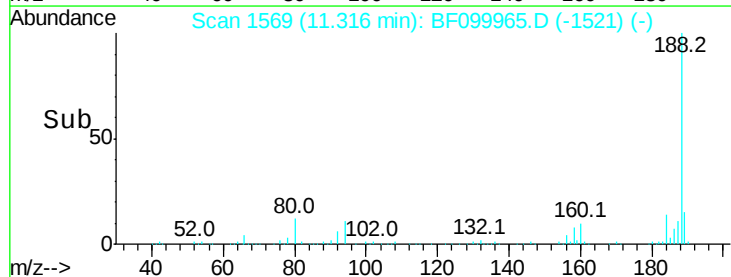
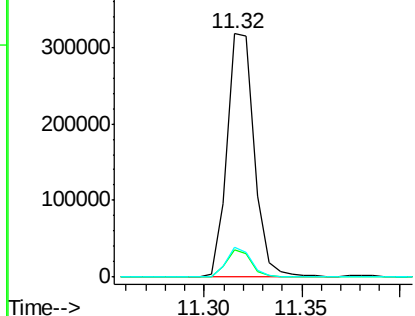
Tgt Ion:	188	Resp:	308635
Ion	Ratio	Lower	Upper
188	100		
94	11.1	8.5	12.7
80	12.3	9.2	13.8

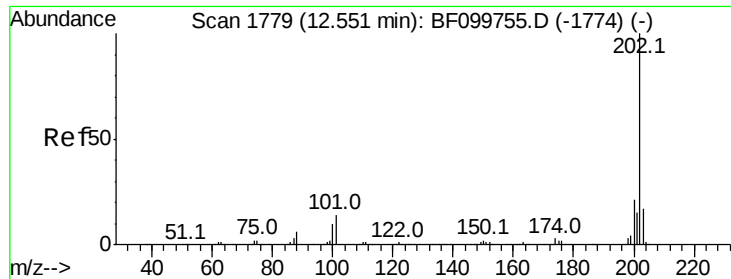


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0





#74

Fluoranthene

Concen: 3.173 ng

RT: 12.54 min Scan# 1777

Delta R.T. -0.01 min

Lab File: BF099965.D

Acq: 30 Oct 2017 17:45

Instrument :

BNA_F

ClientSampleId :

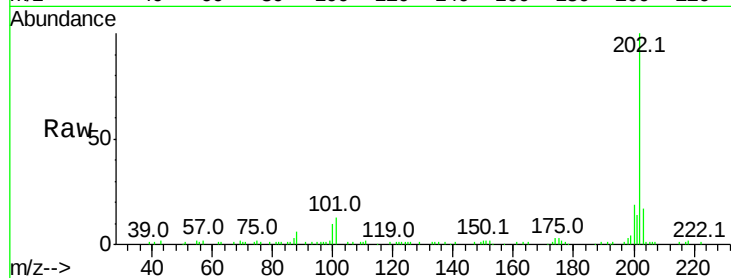
Tot Ion:202 Resp: 57439

Ion Ratio Lower Upper

202 100

101 12.9 0.0 34.1

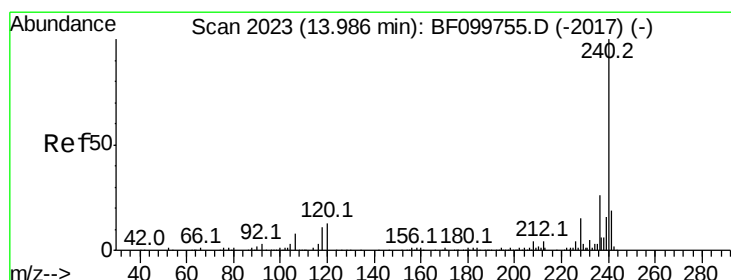
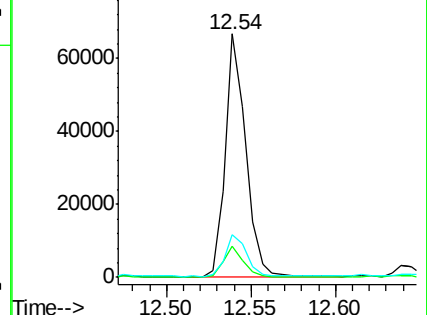
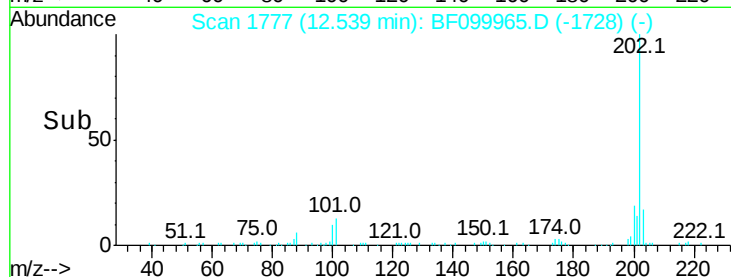
203 17.3 0.0 38.1



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: 13.97 min Scan# 2021

Delta R.T. -0.02 min

Lab File: BF099965.D

Acq: 30 Oct 2017 17:45

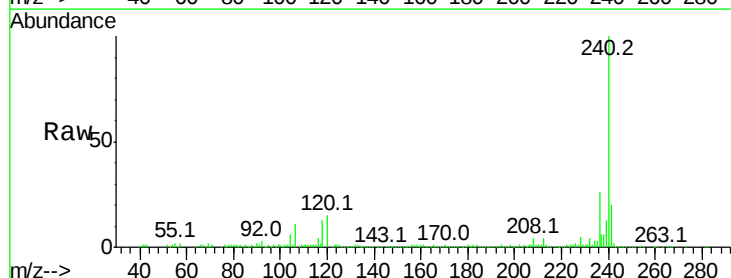
Tgt Ion:240 Resp: 193780

Ion Ratio Lower Upper

240 100

120 14.6 9.5 14.3#

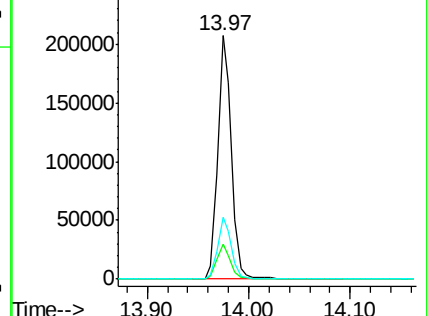
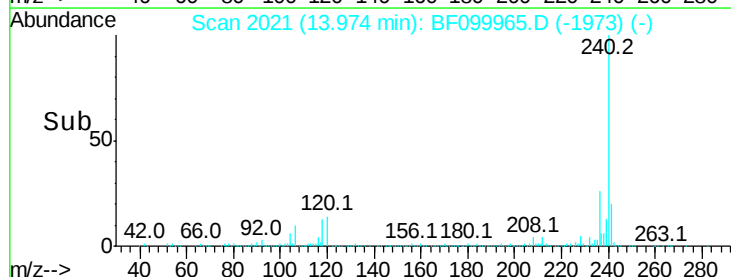
236 25.5 20.7 31.1

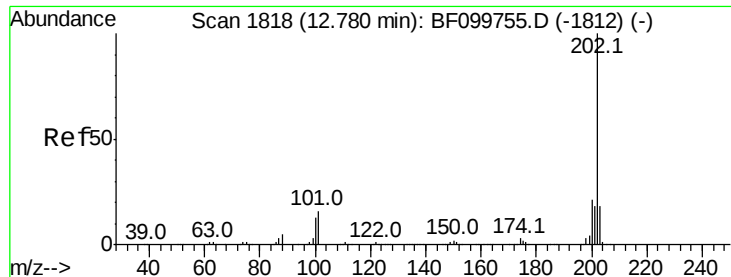


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

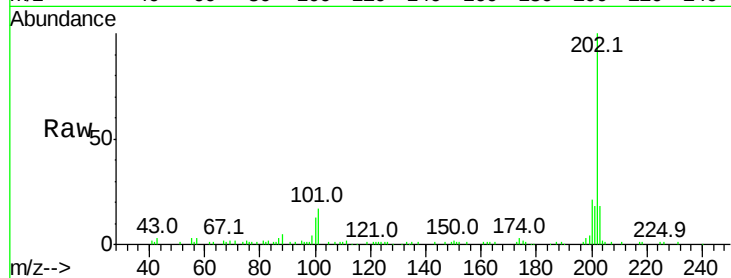




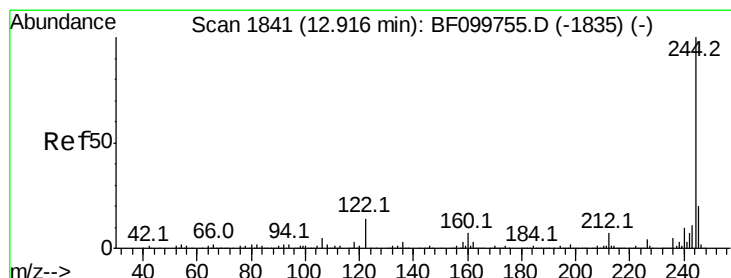
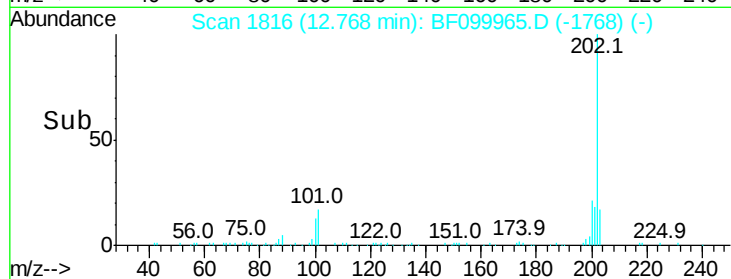
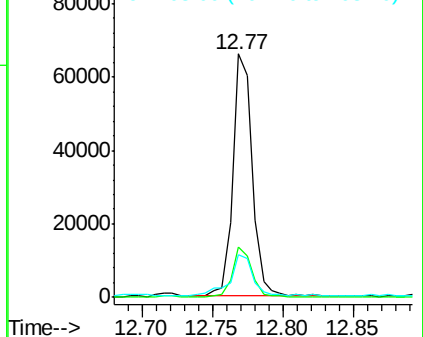
#77
Pvrene
Concen: 4.286 ng
RT: 12.77 min Scan# 1816
Delta R.T. -0.02 min
Lab File: BF099965.D
Acq: 30 Oct 2017 17:45

Instrument :
BNA_F
ClientSampleId :

Tot Ion:202 Resp: 63148
Ion Ratio Lower Upper
202 100
200 20.6 17.4 26.2
203 17.6 14.3 21.5

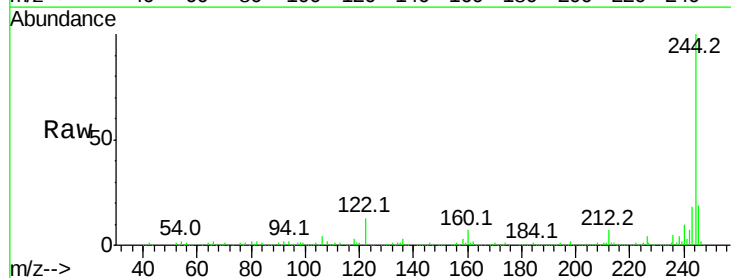


Abundance Ion 202.00 (201.70 to 202.70): E
Ion 200.00 (199.70 to 200.70): E
Ion 203.00 (202.70 to 203.70): E

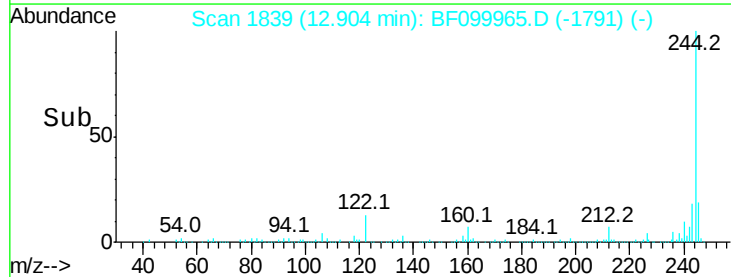
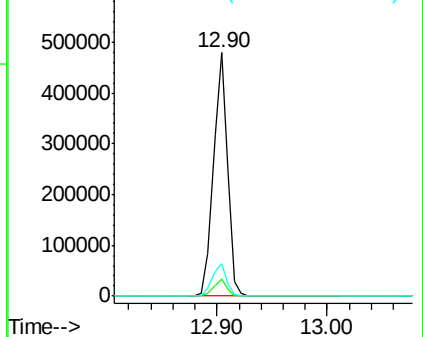


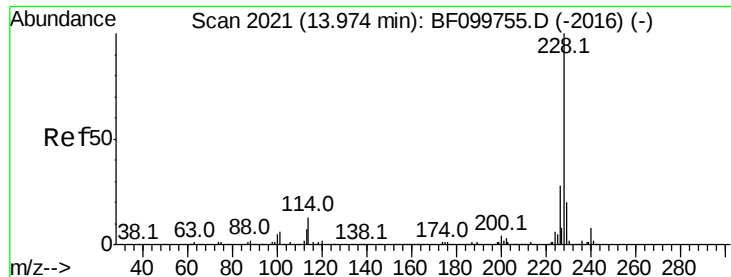
#78
Terphenyl-d14
Concen: 46.652 ng
RT: 12.90 min Scan# 1839
Delta R.T. -0.02 min
Lab File: BF099965.D
Acq: 30 Oct 2017 17:45

Tgt Ion:244 Resp: 413674
Ion Ratio Lower Upper
244 100
212 6.8 5.4 8.0
122 13.4 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

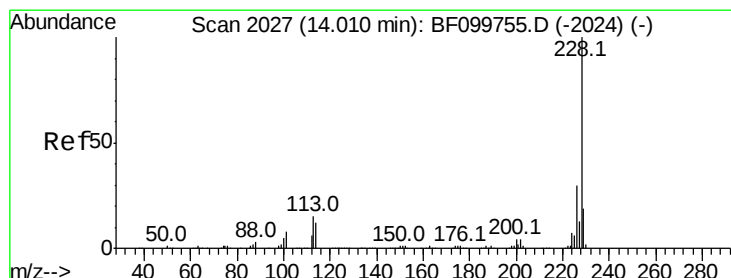
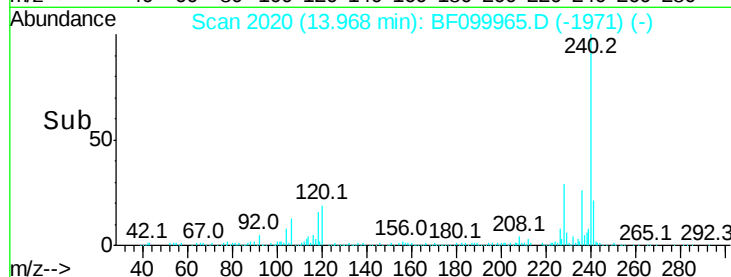
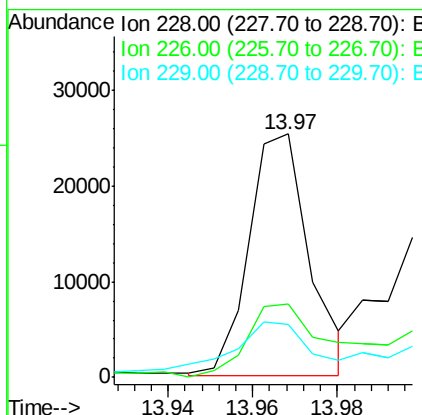
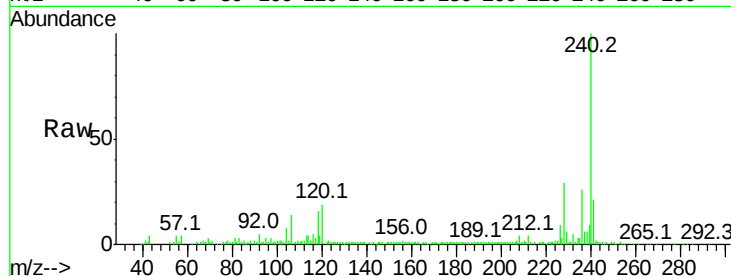




#80
Benzo(a)anthracene
Concen: 2.059 ng
RT: 13.97 min Scan# 2020
Delta R.T. -0.01 min
Lab File: BF099965.D
Acq: 30 Oct 2017 17:45

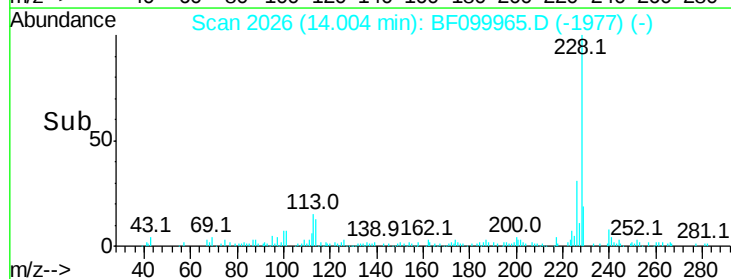
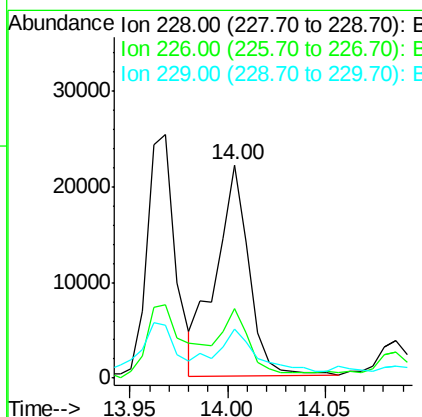
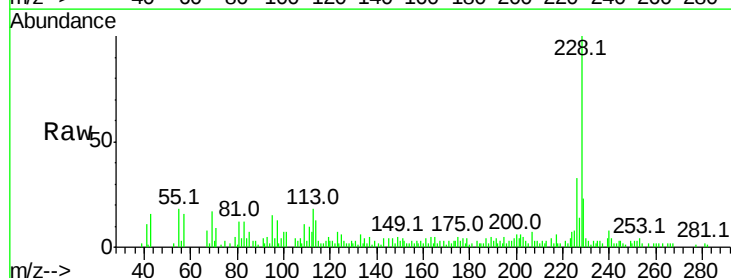
Instrument :
BNA_F
ClientSampleId :

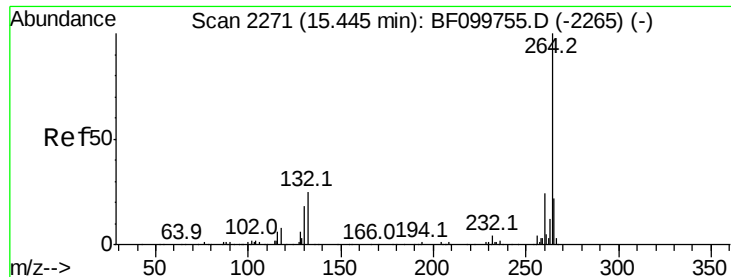
Tot Ion:228 Resp: 25297
Ion Ratio Lower Upper
228 100
226 29.9 22.6 33.8
229 21.6 15.8 23.6



#82
Chrysene
Concen: 2.240 ng
RT: 14.00 min Scan# 2026
Delta R.T. -0.01 min
Lab File: BF099965.D
Acq: 30 Oct 2017 17:45

Tgt Ion:228 Resp: 25864
Ion Ratio Lower Upper
228 100
226 32.7 25.0 37.6
229 22.7 16.2 24.4

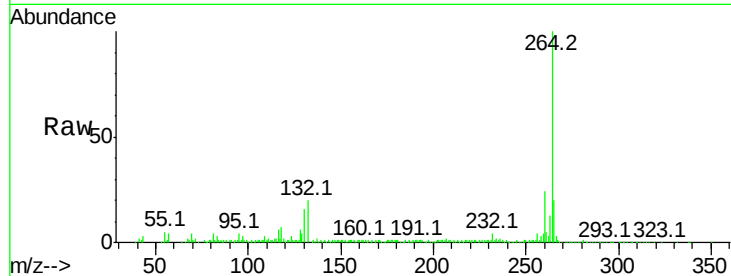




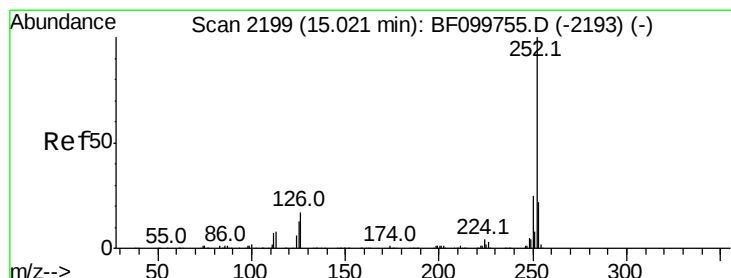
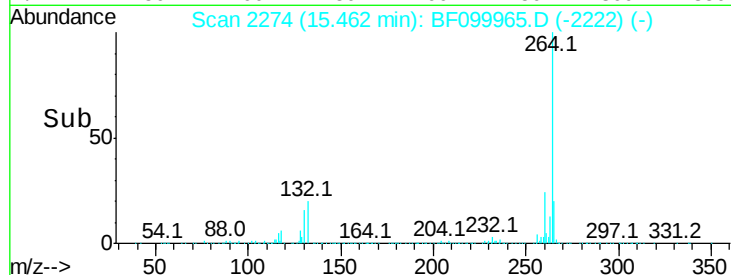
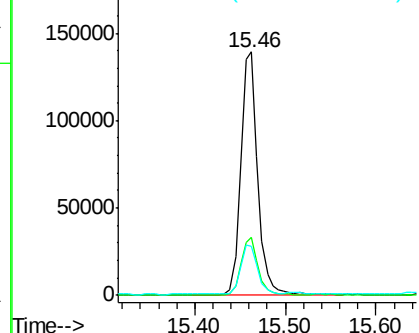
#86
Pervlene-d12
Concen: 20.000 ng
RT: 15.46 min Scan# 2274
Delta R.T. 0.01 min
Lab File: BF099965.D
Acq: 30 Oct 2017 17:45

Instrument :
BNA_F
ClientSampleId :

Tot Ion:264 Resp: 185315
Ion Ratio Lower Upper
264 100
260 23.7 19.2 28.8
265 20.4 17.5 26.3

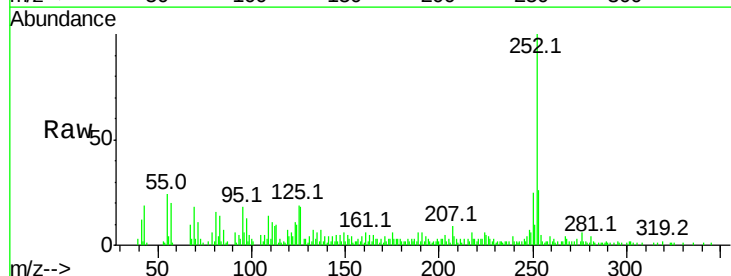


Abundance Ion 264.00 (263.70 to 264.70): E
Ion 260.00 (259.70 to 260.70): E
Ion 265.00 (264.70 to 265.70): E

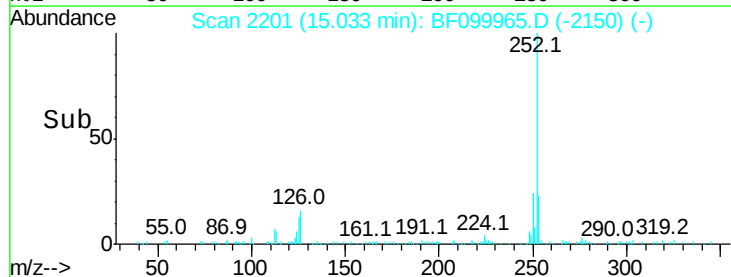
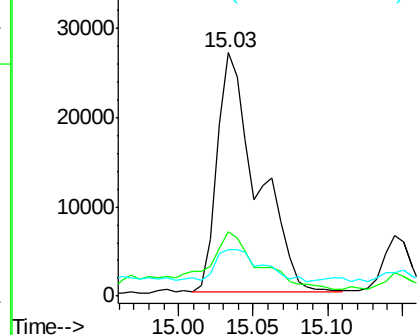


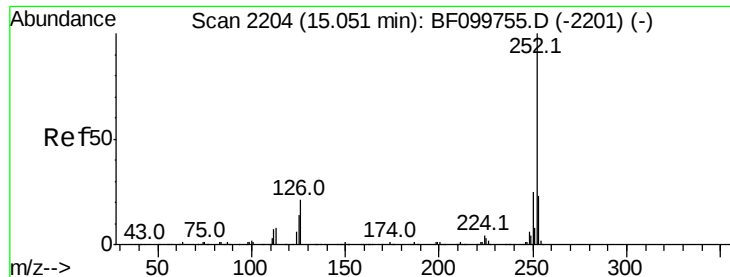
#87
Benzo(b)fluoranthene
Concen: 4.295 ng
RT: 15.03 min Scan# 2201
Delta R.T. -0.00 min
Lab File: BF099965.D
Acq: 30 Oct 2017 17:45

Tgt Ion:252 Resp: 50261
Ion Ratio Lower Upper
252 100
253 26.4 17.0 25.6#
125 18.9 9.0 13.6#



Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E

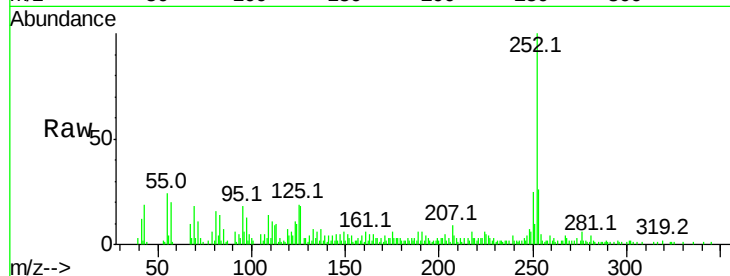




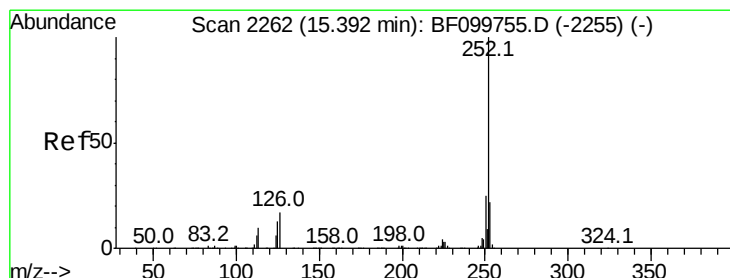
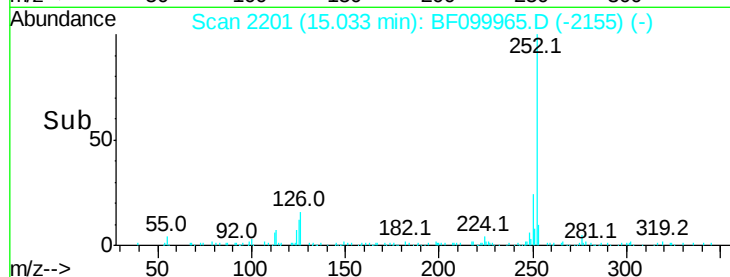
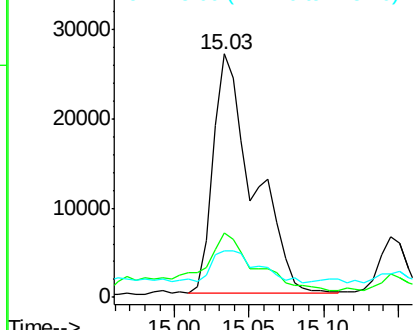
#88
Benzo(k)fluoranthene
Concen: 4.555 ng
RT: 15.03 min Scan# 2201
Delta R.T. -0.03 min
Lab File: BF099965.D
Acq: 30 Oct 2017 17:45

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
252	100		
253	26.4	17.9	26.9
125	18.9	10.2	15.2

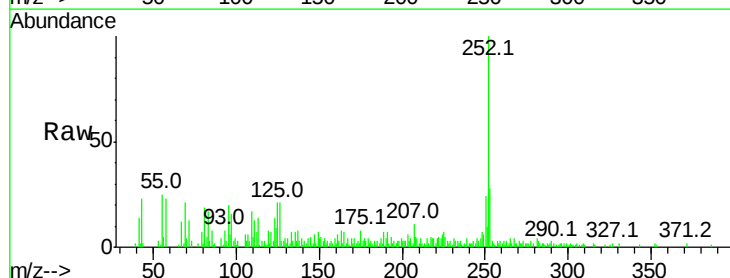


Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E

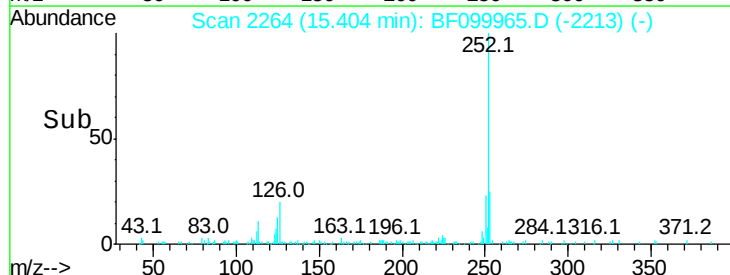
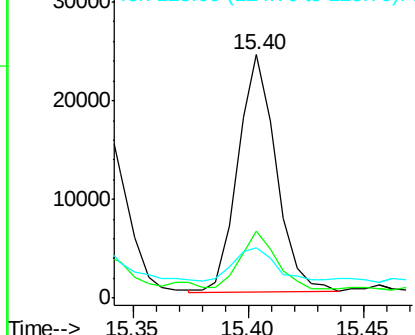


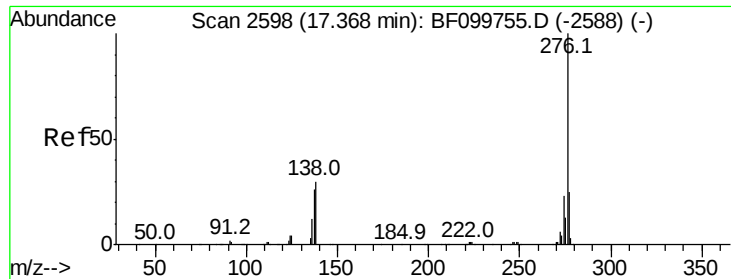
#89
Benzo(a)pyrene
Concen: 2.627 ng
RT: 15.40 min Scan# 2264
Delta R.T. -0.00 min
Lab File: BF099965.D
Acq: 30 Oct 2017 17:45

Tgt Ion	Ratio	Lower	Upper
252	100		
253	27.7	17.1	25.7
125	20.8	9.8	14.6



Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E





#91
 Benzo(a,h,i)perylene
 Concen: 2.199 ng
 RT: 17.42 min Scan# 2606
 Delta R.T. 0.02 min
 Lab File: BF099965.D
 Acq: 30 Oct 2017 17:45

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion: 276 Resp: 20094
 Ion Ratio Lower Upper
 276 100
 277 25.2 17.9 26.9
 138 38.8 21.8 32.8

