

Data Path : Z:\HPCHEM1\BNA F\DATA\BF103017\
 Data File : BF099964.D
 Acq On : 30 Oct 2017 17:19
 Operator : SJ/JU
 Sample : I6196-01 5X
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Oct 31 02:27:01 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

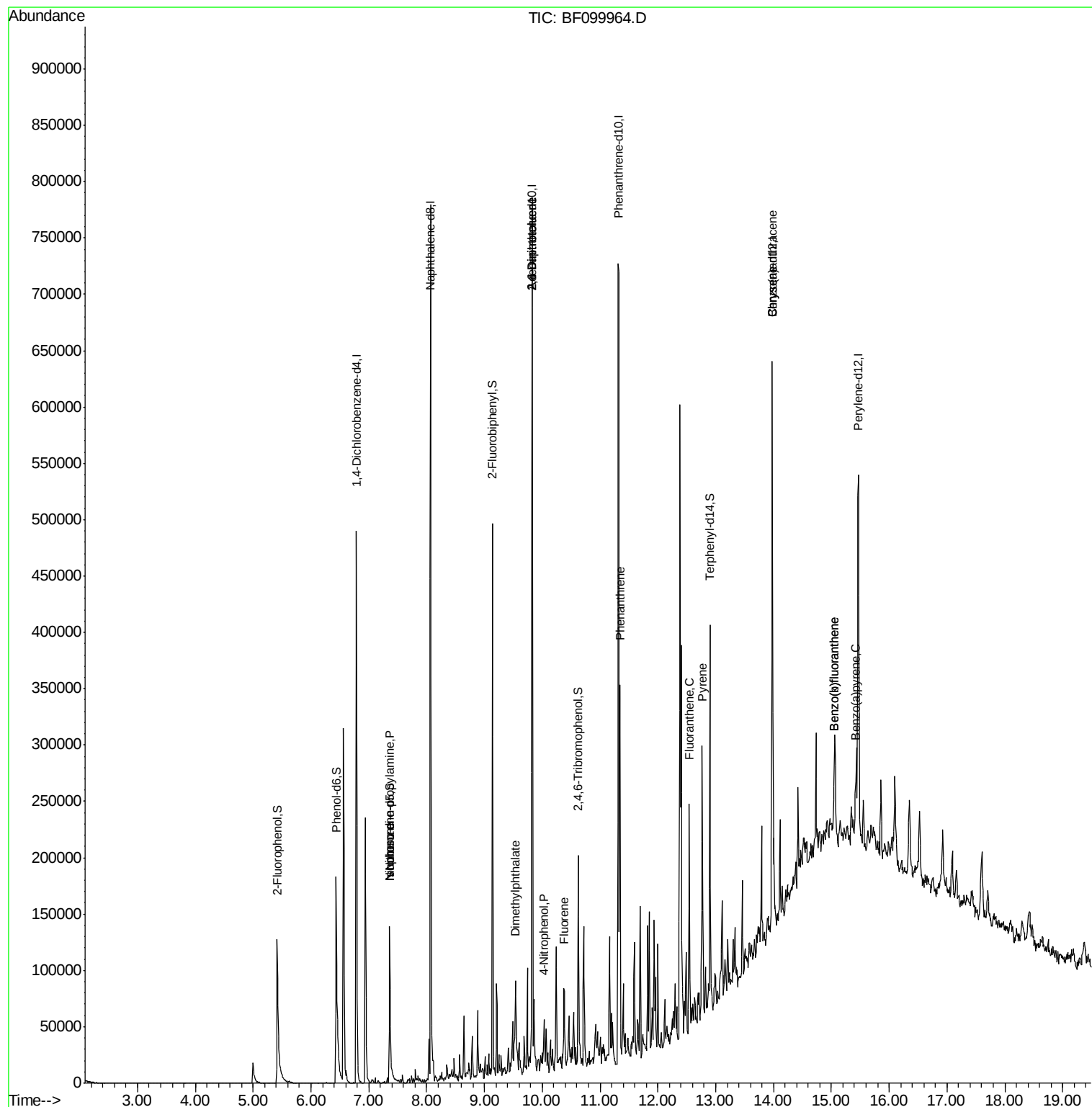
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.79	152	84299	20.00	ng	0.00
21) Naphthalene-d8	8.07	136	345530	20.00	ng	-0.01
38) Acenaphthene-d10	9.82	164	156655	20.00	ng	-0.02
63) Phenanthrene-d10	11.32	188	269155	20.00	ng	-0.02
75) Chrysene-d12	13.97	240	171318	20.00	ng	-0.02
86) Perylene-d12	15.47	264	162673	20.00	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.42	112	90622	16.88	ng	0.00
7) Phenol-d6	6.43	99	118112	18.55	ng	0.00
23) Nitrobenzene-d5	7.36	82	64953	12.10	ng	-0.01
41) 2,4,6-Tribromophenol	10.62	330	25118	17.59	ng	-0.02
44) 2-Fluorobiphenyl	9.14	172	143264	14.11	ng	-0.02
78) Terphenyl-d14	12.90	244	104050	13.27	ng	-0.02
Target Compounds						
19) n-Nitroso-di-n-propylamine	7.36	70	7783	2.086	ng	# 75
25) Isophorone	7.36	82	64953	6.669	ng	# 64
49) Dimethylphthalate	9.54	163	31320	2.525	ng	# 94
50) 2,6-Dinitrotoluene	9.82	165	20888	8.009	ng	# 24
55) 4-Nitrophenol	10.03	139	5496	3.423	ng	# 9
56) 2,4-Dinitrotoluene	9.82	165	20888	6.651	ng	# 21
57) Fluorene	10.37	166	24491	2.163	ng	99
70) Phenanthrene	11.35	178	133656	8.799	ng	97
74) Fluoranthene	12.54	202	75111	4.758	ng	99
77) Pyrene	12.77	202	90183	6.923	ng	97
80) Benzo(a)anthracene	13.97	228	31283	2.880	ng	95
82) Chrysene	13.97	228	31283	3.064	ng	93
87) Benzo(b)fluoranthene	15.04	252	30523	2.971	ng	# 78
88) Benzo(k)fluoranthene	15.04	252	30523	3.151	ng	# 81
89) Benzo(a)pyrene	15.41	252	20947	2.270	ng	# 83

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

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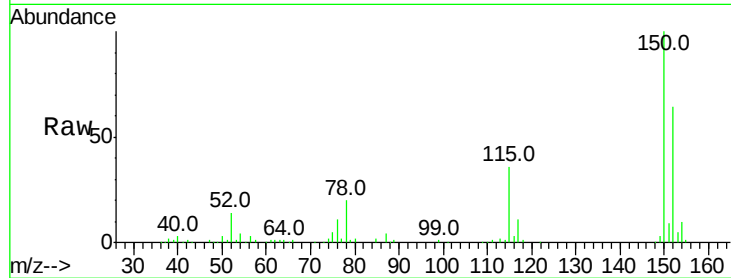


#1

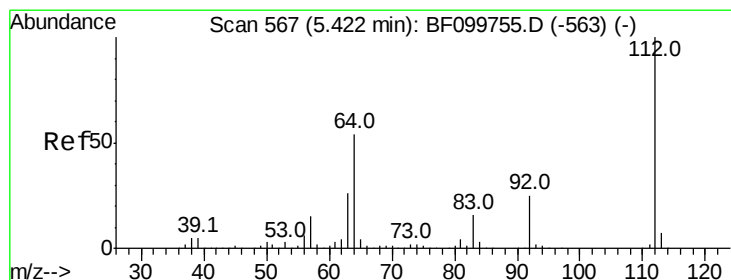
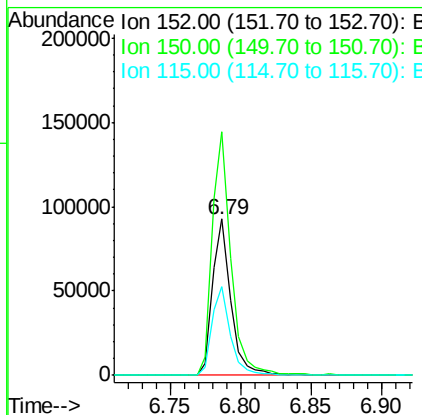
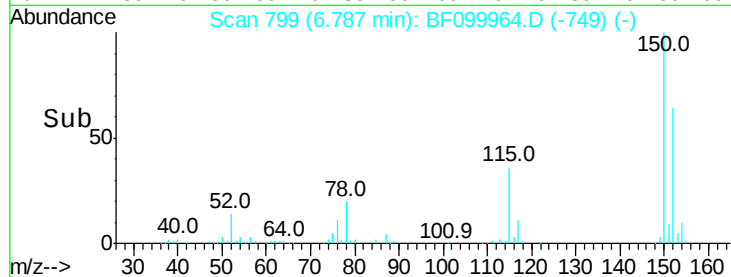
1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.79 min Scan# 799
 Delta R.T. -0.01 min
 Lab File: BF099964.D
 Acq: 30 Oct 2017 17:19

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:152 Resp: 84299
 Ion Ratio Lower Upper
 152 100
 150 155.6 124.6 186.8
 115 56.8 50.1 75.1



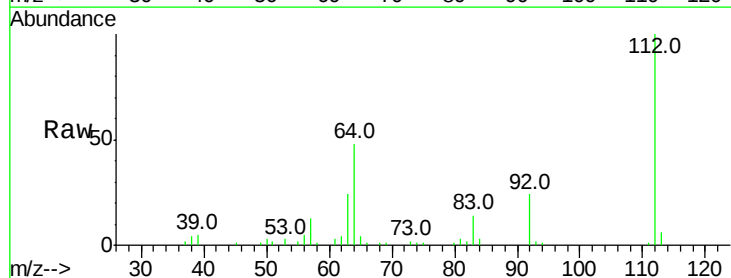
Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E



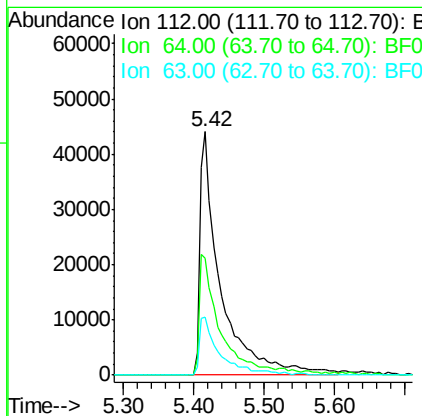
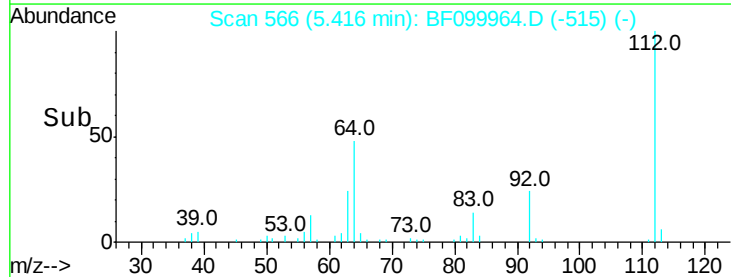
#5

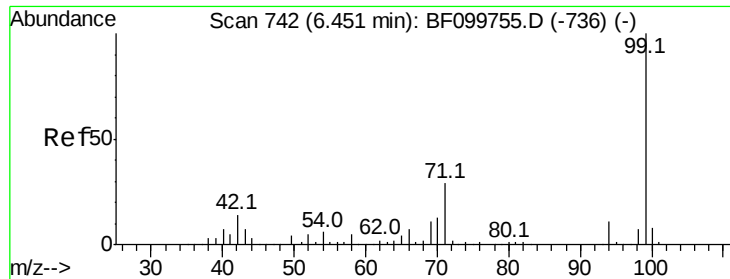
2-Fluorophenol
 Concen: 16.877 ng
 RT: 5.42 min Scan# 566
 Delta R.T. -0.00 min
 Lab File: BF099964.D
 Acq: 30 Oct 2017 17:19

Tgt Ion:112 Resp: 90622
 Ion Ratio Lower Upper
 112 100
 64 47.9 47.9 71.9#
 63 24.0 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: 18.552 ng

RT: 6.43 min Scan# 739

Delta R.T. -0.01 min

Lab File: BF099964.D

Acq: 30 Oct 2017 17:19

Instrument :

BNA_F

ClientSampled :

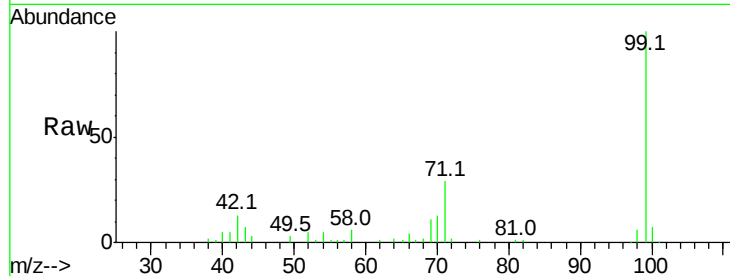
Tot Ion: 99 Resp: 118112

Ion Ratio Lower Upper

99 100

42 13.1 14.5 21.7#

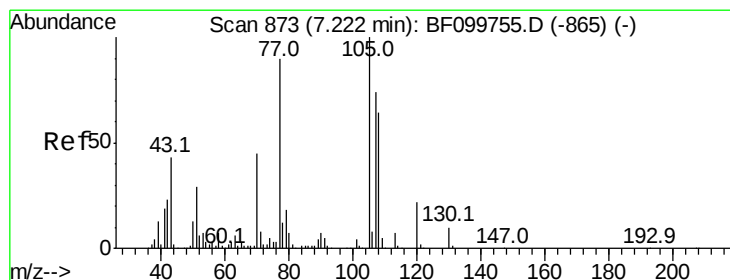
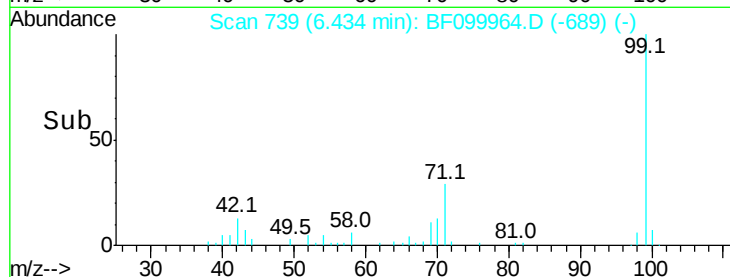
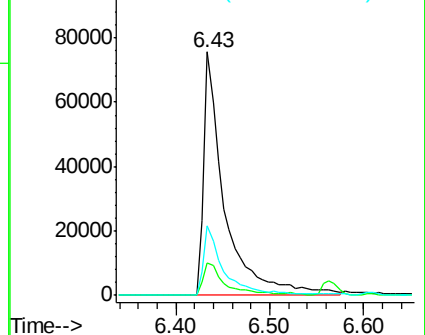
71 28.8 25.4 38.0



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



#19

n-Nitroso-di-n-propylamine

Concen: 2.086 ng

RT: 7.36 min Scan# 896

Delta R.T. 0.15 min

Lab File: BF099964.D

Acq: 30 Oct 2017 17:19

Tgt Ion: 70 Resp: 7783

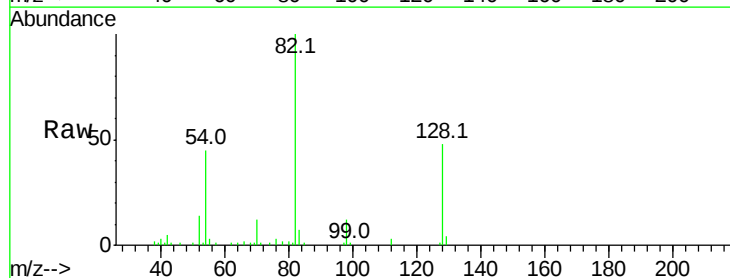
Ion Ratio Lower Upper

70 100

42 45.3 47.5 71.3#

101 0.0 7.4 11.2#

130 0.0 16.6 25.0#

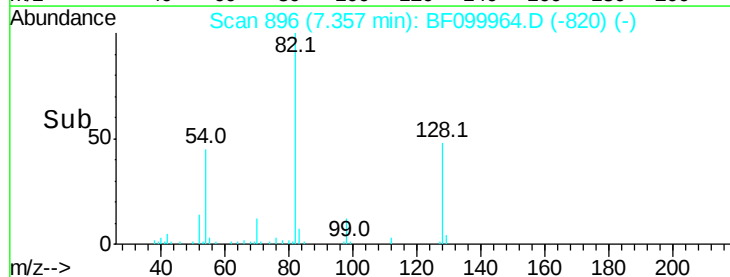
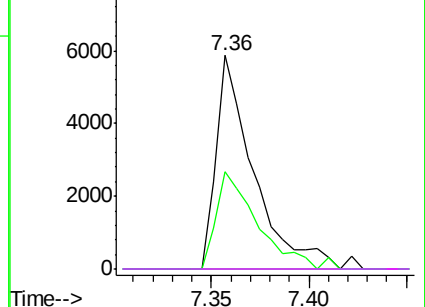


Abundance Ion 70.00 (69.70 to 70.70): BF0

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

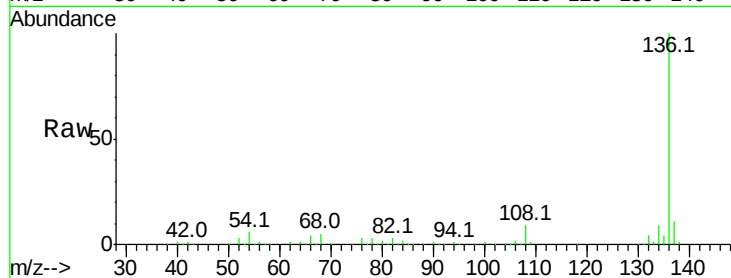




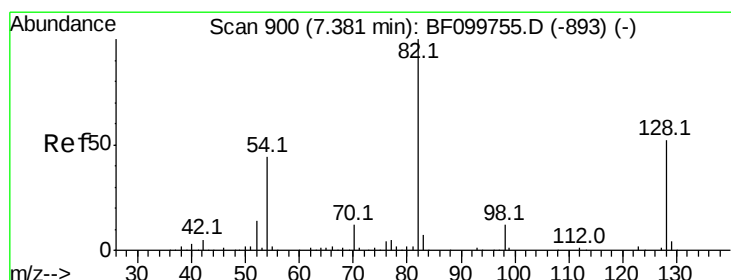
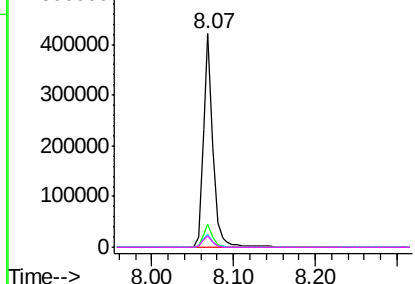
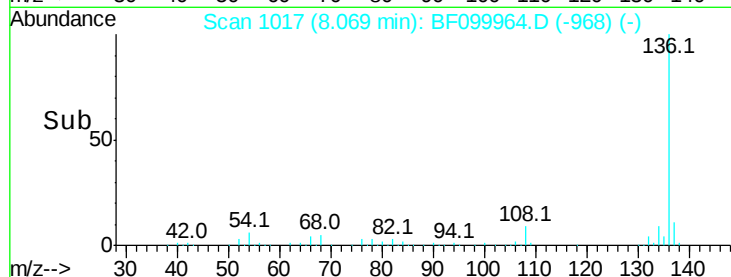
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.07 min Scan# 1017
Delta R.T. -0.01 min
Lab File: BF099964.D
Acq: 30 Oct 2017 17:19

Instrument :
BNA_F
ClientSampleId :

Tot Ion:	136	Resp:	345530
Ion	Ratio	Lower	Upper
136	100		
137	10.7	8.9	13.3
54	6.3	6.6	9.8#
68	5.4	5.0	7.4

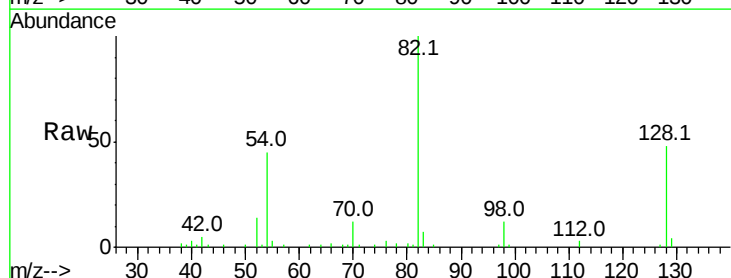


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF0
Ion 68.00 (67.70 to 68.70): BF0

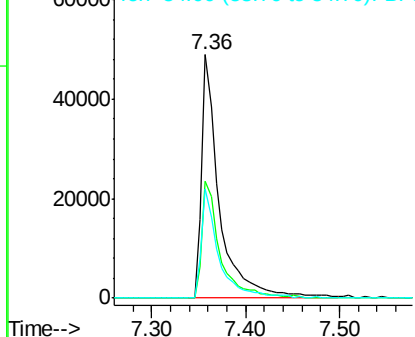
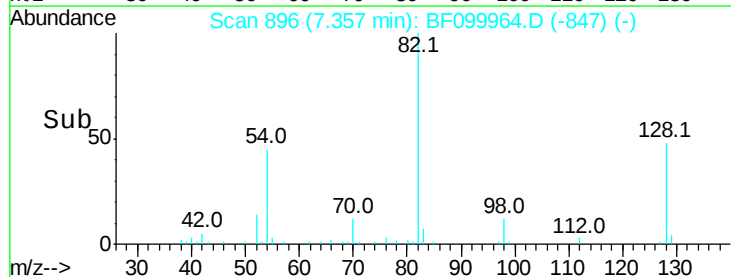


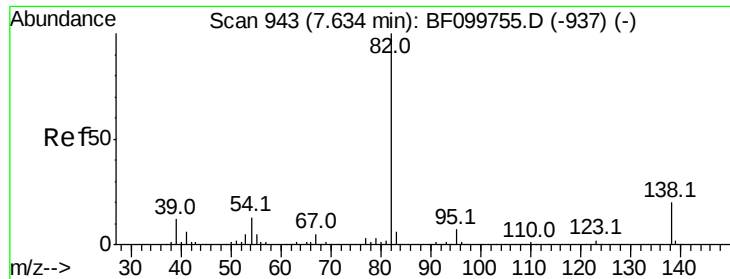
#23
Nitrobenzene-d5
Concen: 12.102 ng
RT: 7.36 min Scan# 896
Delta R.T. -0.01 min
Lab File: BF099964.D
Acq: 30 Oct 2017 17:19

Tgt Ion:	82	Resp:	64953
Ion	Ratio	Lower	Upper
82	100		
128	48.2	36.1	54.1
54	44.7	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: 6.669 ng

RT: 7.36 min Scan# 896

Delta R.T. -0.26 min

Lab File: BF099964.D

Acq: 30 Oct 2017 17:19

Instrument :

BNA_F

ClientSampleId :

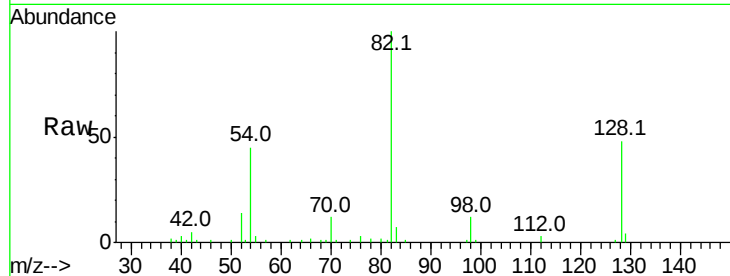
Tot Ion: 82 Resp: 64953

Ion Ratio Lower Upper

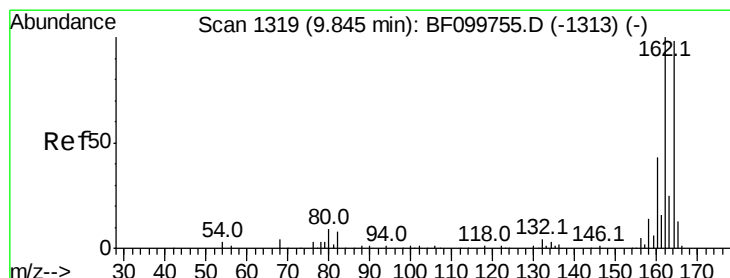
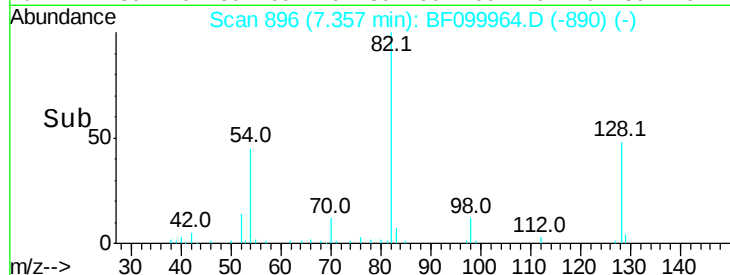
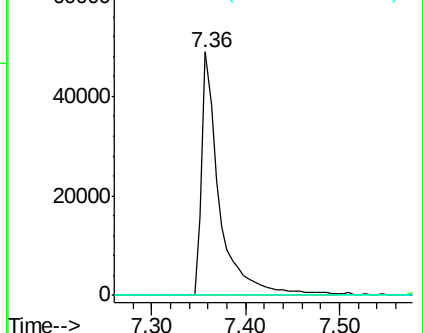
82 100

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: 9.82 min Scan# 1315

Delta R.T. -0.02 min

Lab File: BF099964.D

Acq: 30 Oct 2017 17:19

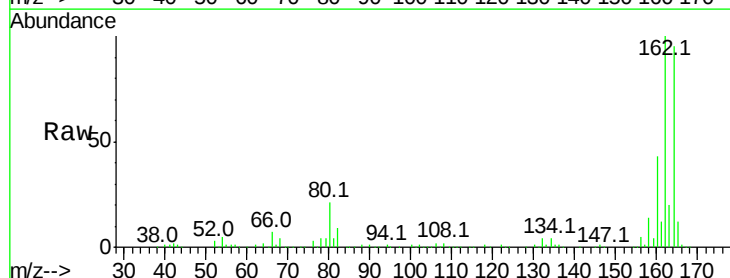
Tgt Ion:164 Resp: 156655

Ion Ratio Lower Upper

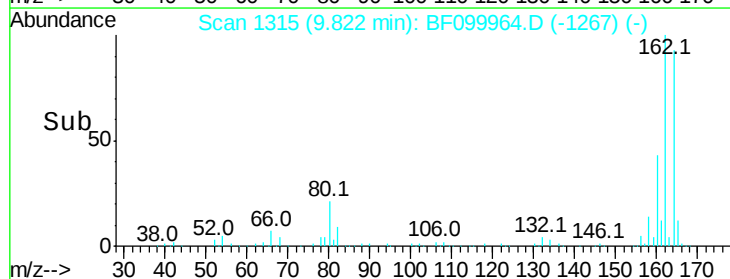
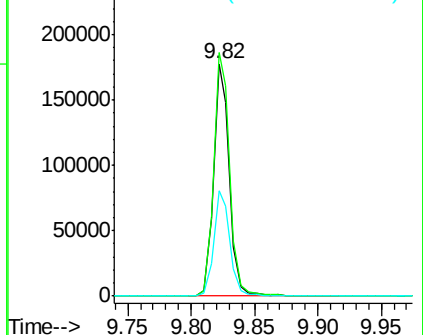
164 100

162 104.7 86.1 129.1

160 45.3 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

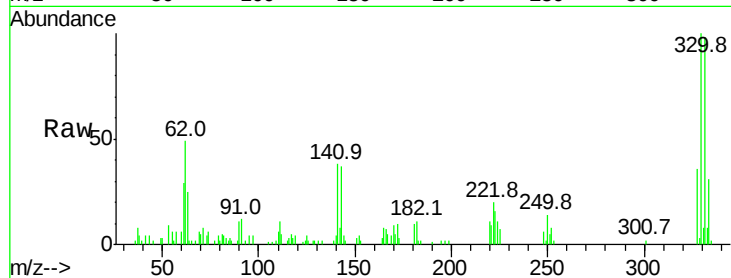




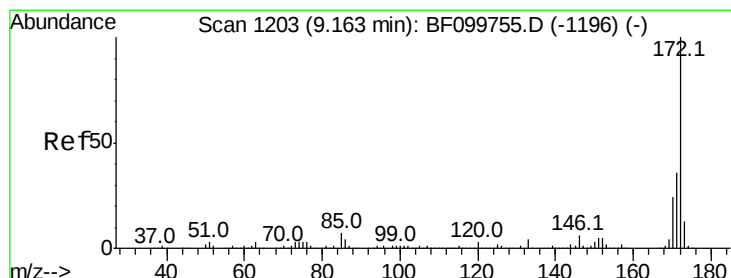
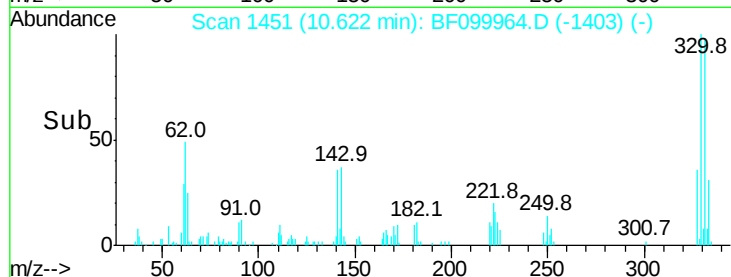
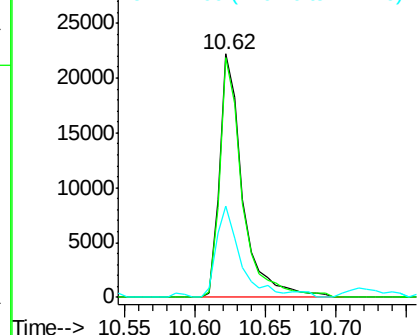
#41
 2,4,6-Tribromophenol
 Concen: 17.594 ng
 RT: 10.62 min Scan# 1451
 Delta R.T. -0.02 min
 Lab File: BF099964.D
 Acq: 30 Oct 2017 17:19

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:330 Resp: 25118
 Ion Ratio Lower Upper
 330 100
 332 96.9 77.0 115.6
 141 38.4 29.9 44.9

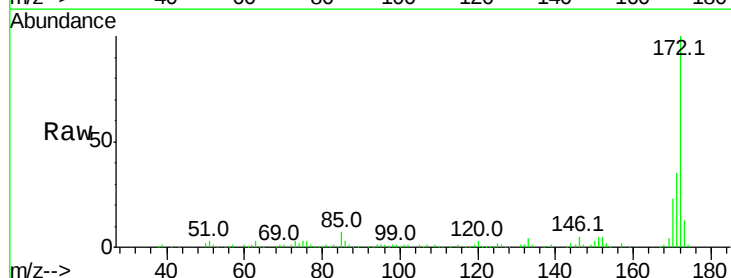


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

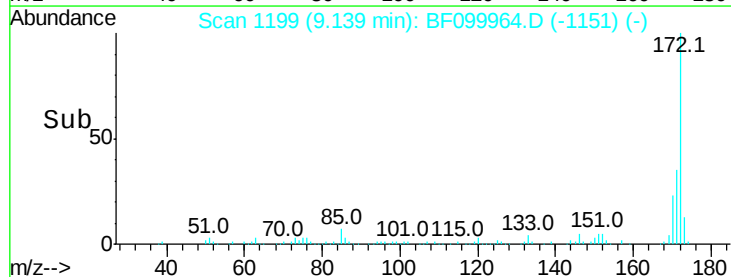
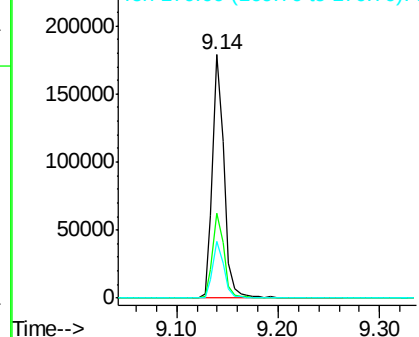


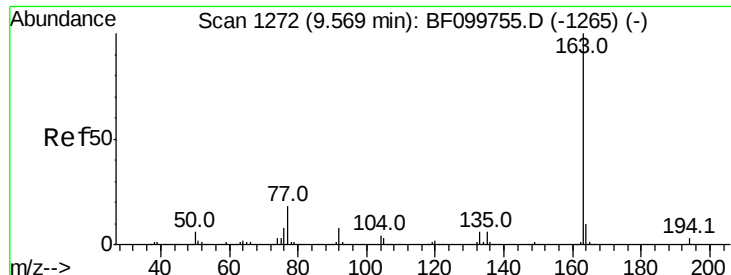
#44
 2-Fluorobiphenyl
 Concen: 14.110 ng
 RT: 9.14 min Scan# 1199
 Delta R.T. -0.02 min
 Lab File: BF099964.D
 Acq: 30 Oct 2017 17:19

Tgt Ion:172 Resp: 143264
 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

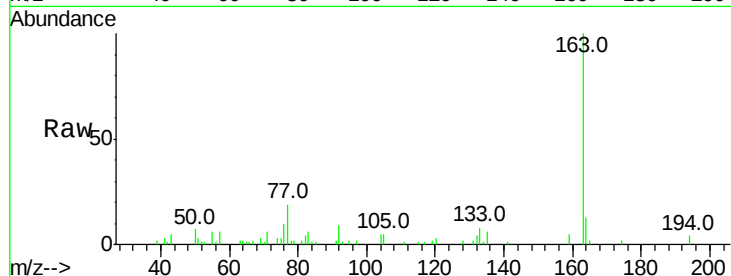




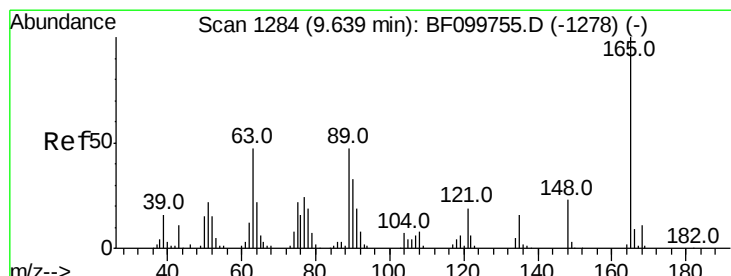
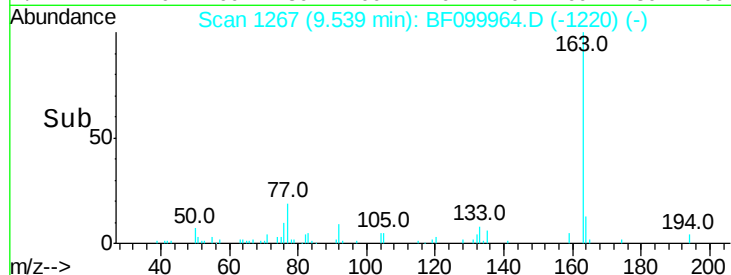
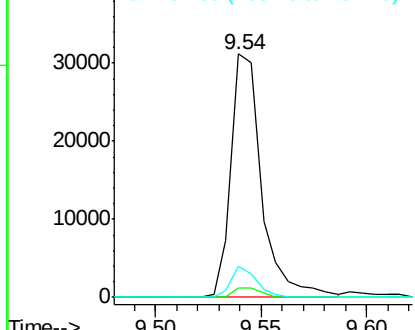
#49
Dimethylphthalate
Concen: 2.525 ng
RT: 9.54 min Scan# 1267
Delta R.T. -0.02 min
Lab File: BF099964.D
Acq: 30 Oct 2017 17:19

Instrument :
BNA_F
ClientSampleId :

Tot Ion:163 Resp: 31320
Ion Ratio Lower Upper
163 100
194 4.1 2.7 4.1
164 12.8 8.2 12.2#

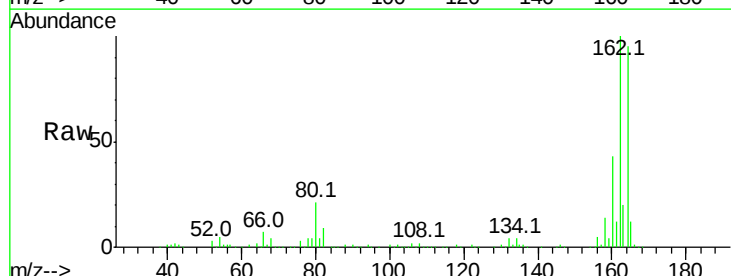


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

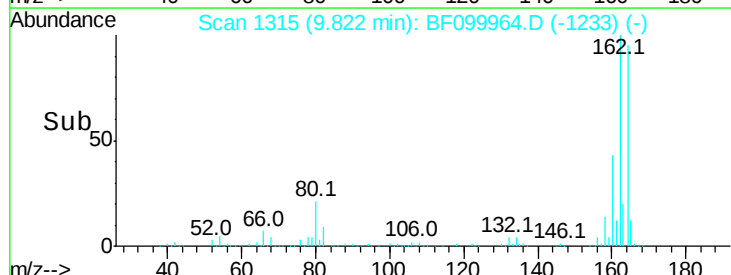
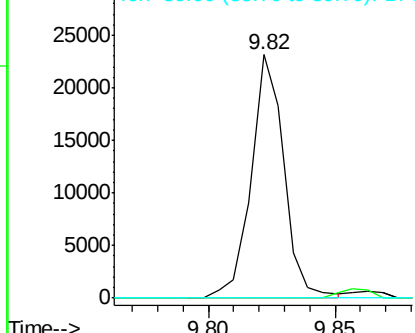


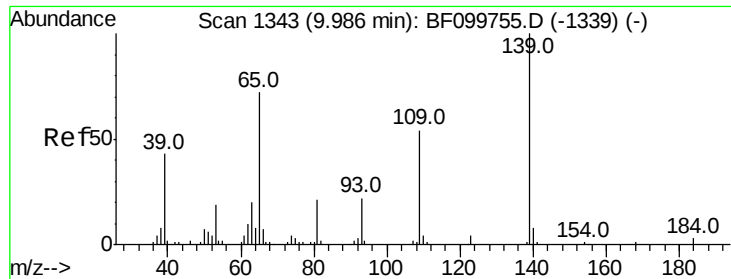
#50
2,6-Dinitrotoluene
Concen: 8.009 ng
RT: 9.82 min Scan# 1315
Delta R.T. 0.18 min
Lab File: BF099964.D
Acq: 30 Oct 2017 17:19

Tgt Ion:165 Resp: 20888
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





#55

4-Nitrophenol

Concen: 3.423 ng

RT: 10.03 min Scan# 1351

Delta R.T. 0.04 min

Lab File: BF099964.D

Acq: 30 Oct 2017 17:19

Instrument :

BNA_F

ClientSampleId :

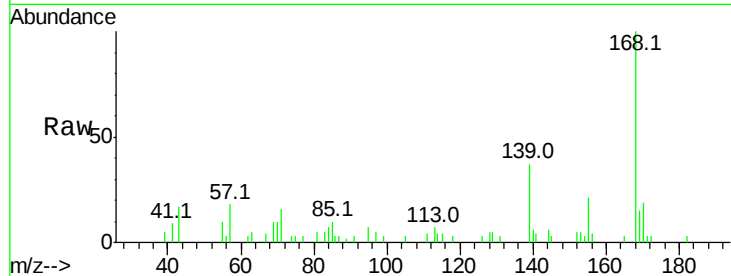
Tot Ion:139 Resp: 5496

Ion Ratio Lower Upper

139 100

109 0.0 48.4 88.4#

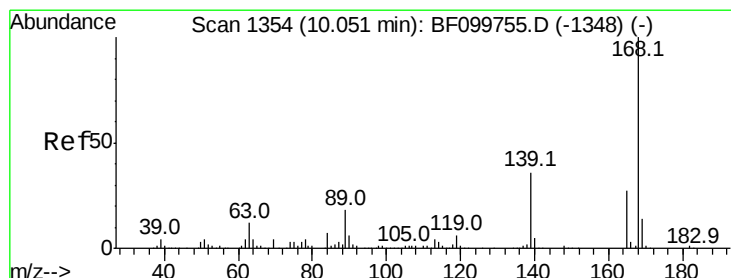
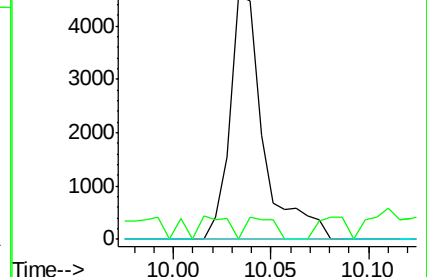
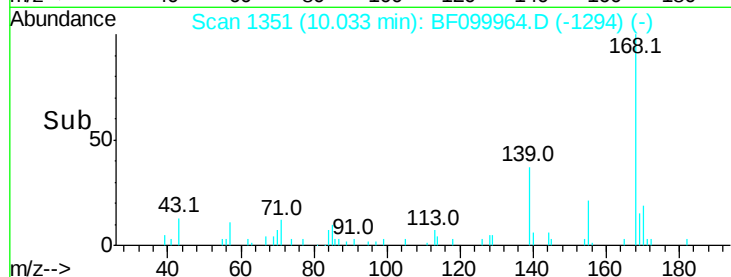
65 0.0 72.6 112.6#



Abundance Ion 139.00 (138.70 to 139.70): E

Ion 109.00 (108.70 to 109.70): E

Ion 65.00 (64.70 to 65.70): BF0



#56

2,4-Dinitrotoluene

Concen: 6.651 ng

RT: 9.82 min Scan# 1315

Delta R.T. -0.23 min

Lab File: BF099964.D

Acq: 30 Oct 2017 17:19

Tgt Ion:165 Resp: 20888

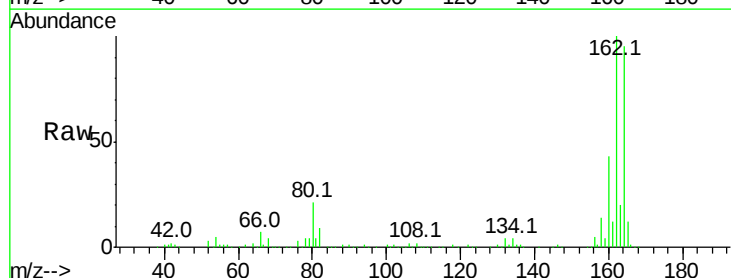
Ion Ratio Lower Upper

165 100

63 0.0 36.4 54.6#

89 0.0 57.8 86.6#

182 0.0 1.6 2.4#

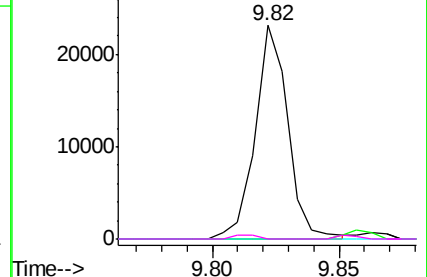
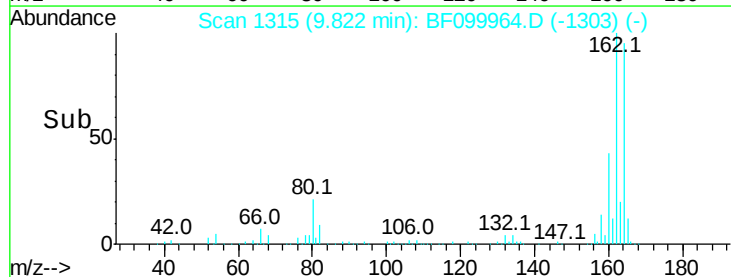


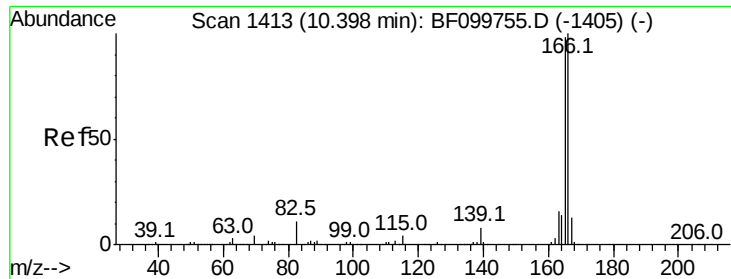
Abundance Ion 165.00 (164.70 to 165.70): E

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

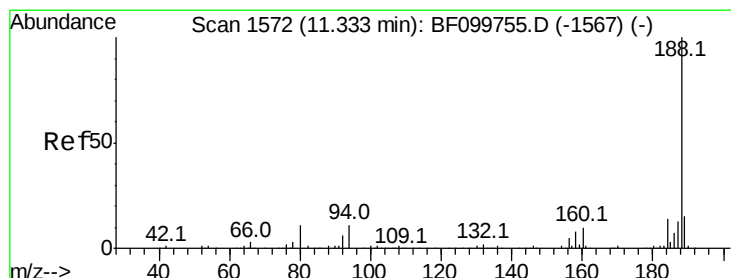
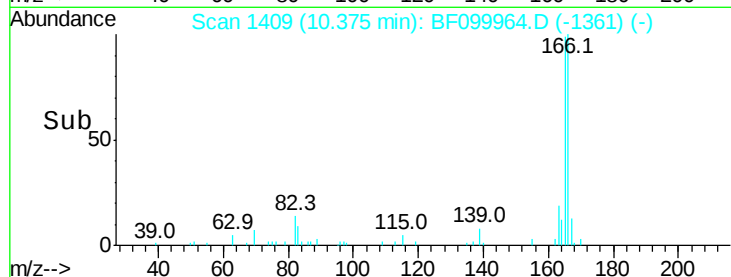
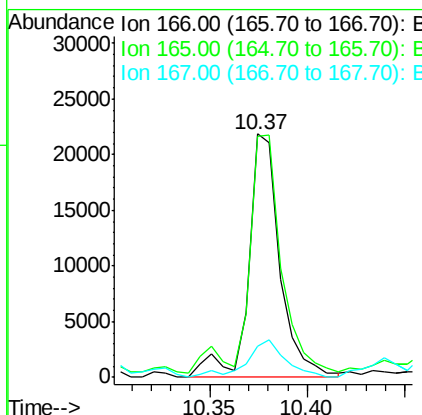
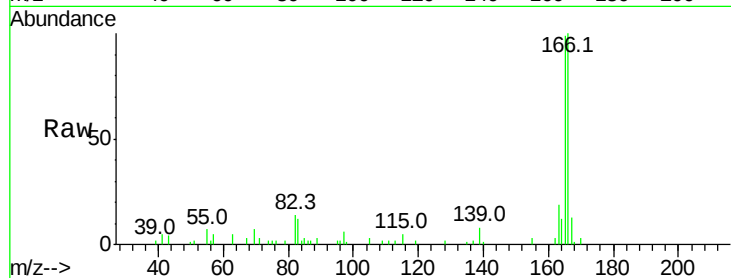




#57
 Fluorene
 Concen: 2.163 ng
 RT: 10.37 min Scan# 1409
 Delta R.T. -0.02 min
 Lab File: BF099964.D
 Acq: 30 Oct 2017 17:19

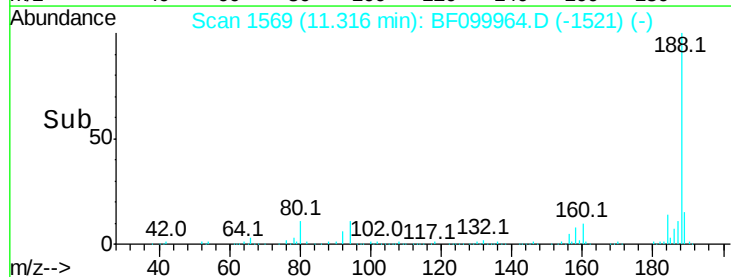
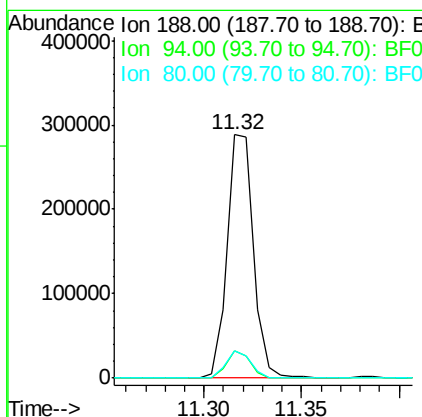
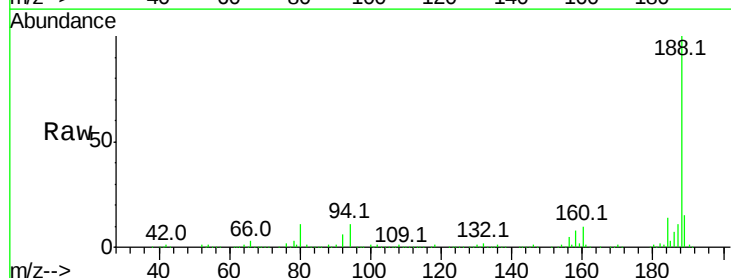
Instrument :
 BNA_F
 ClientSampleId :

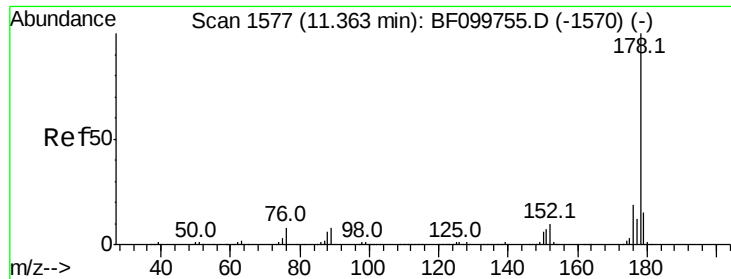
Tot Ion:166 Resp: 24491
 Ion Ratio Lower Upper
 166 100
 165 98.9 79.8 119.8
 167 12.6 10.6 16.0



#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.32 min Scan# 1569
 Delta R.T. -0.02 min
 Lab File: BF099964.D
 Acq: 30 Oct 2017 17:19

Tgt Ion:188 Resp: 269155
 Ion Ratio Lower Upper
 188 100
 94 11.2 8.5 12.7
 80 11.1 9.2 13.8





#70

Phenanthrene

Concen: 8.799 ng

RT: 11.35 min Scan# 1574

Delta R.T. -0.02 min

Lab File: BF099964.D

Acq: 30 Oct 2017 17:19

Instrument :

BNA_F

ClientSampleId :

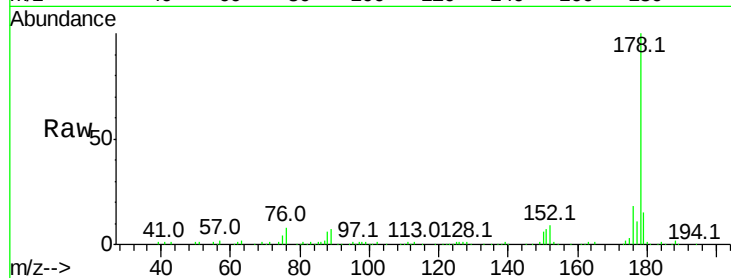
Tot Ion:178 Resp: 133656

Ion Ratio Lower Upper

178 100

176 18.4 15.8 23.8

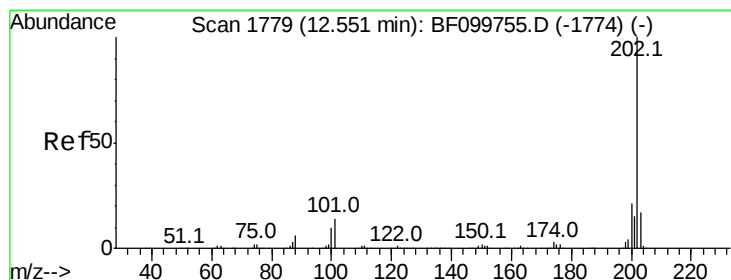
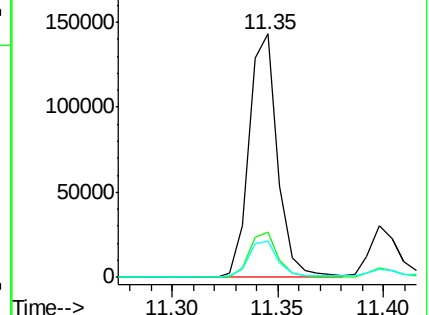
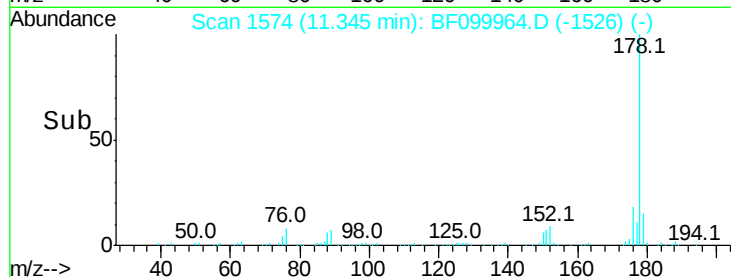
179 15.0 13.0 19.6



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



#74

Fluoranthene

Concen: 4.758 ng

RT: 12.54 min Scan# 1777

Delta R.T. -0.01 min

Lab File: BF099964.D

Acq: 30 Oct 2017 17:19

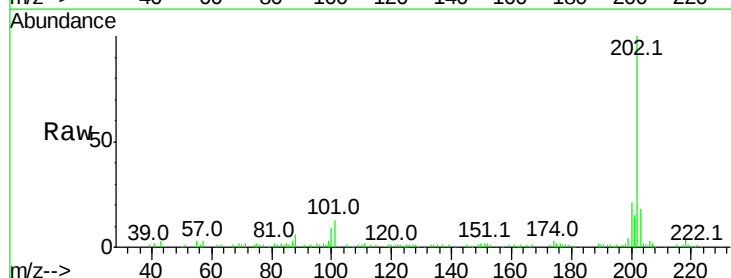
Tgt Ion:202 Resp: 75111

Ion Ratio Lower Upper

202 100

101 13.4 0.0 34.1

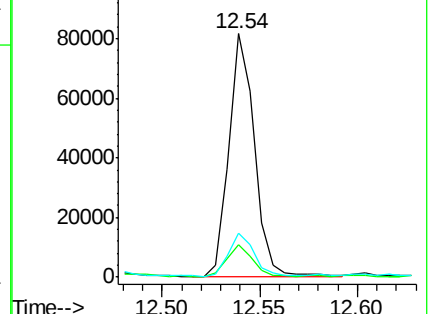
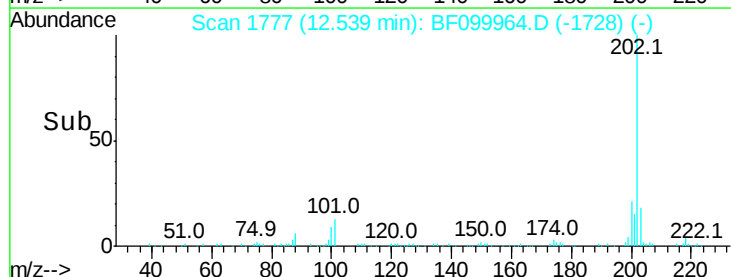
203 18.2 0.0 38.1

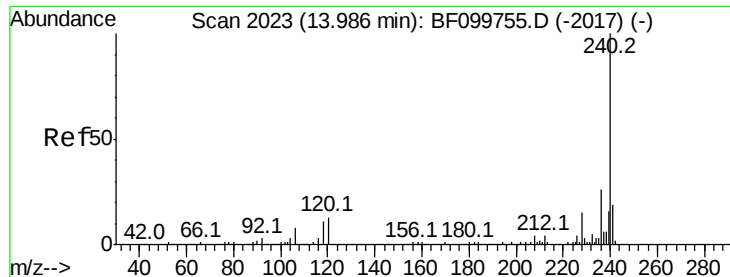


Abundance Ion 202.00 (201.70 to 202.70): E

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: BF099964.D

Acq: 30 Oct 2017 17:19

Instrument :

BNA_F

ClientSampleId :

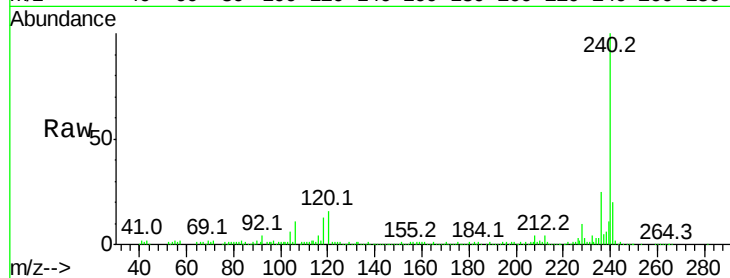
Tot Ion:240 Resp: 171318

Ion Ratio Lower Upper

240 100

120 15.6 9.5 14.3#

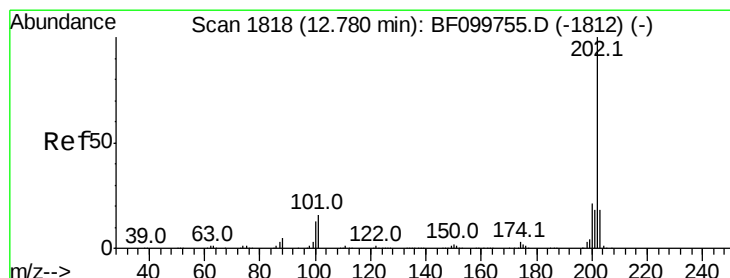
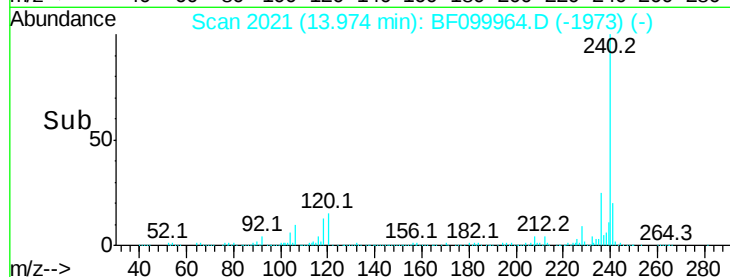
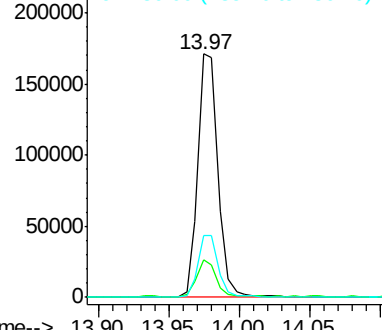
236 25.5 20.7 31.1



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

Pyrene

Concen: 6.923 ng

RT: 12.77 min Scan# 1816

Delta R.T. -0.02 min

Lab File: BF099964.D

Acq: 30 Oct 2017 17:19

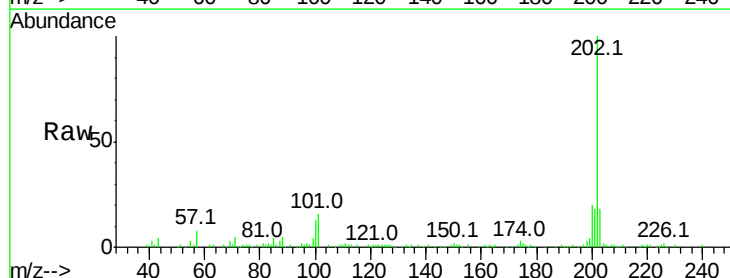
Tgt Ion:202 Resp: 90183

Ion Ratio Lower Upper

202 100

200 20.1 17.4 26.2

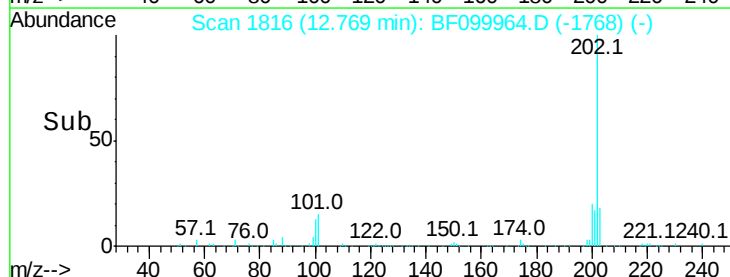
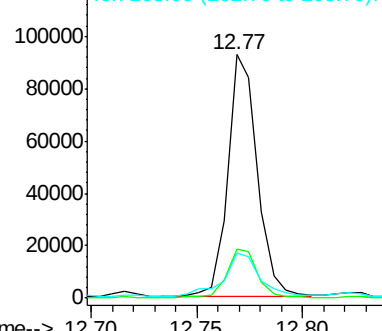
203 18.4 14.3 21.5

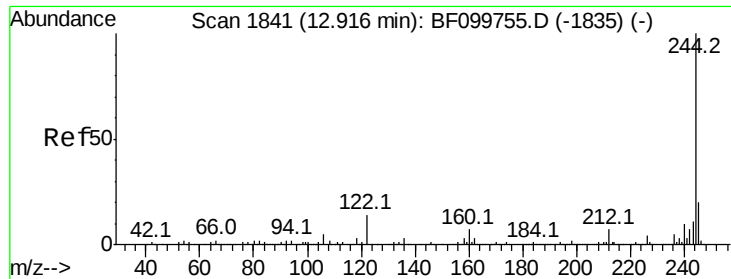


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#78

Terphenyl-d14

Concen: 13.273 ng

RT: 12.90 min Scan# 1839

Delta R.T. -0.02 min

Lab File: BF099964.D

Acq: 30 Oct 2017 17:19

Instrument :

BNA_F

ClientSampleId :

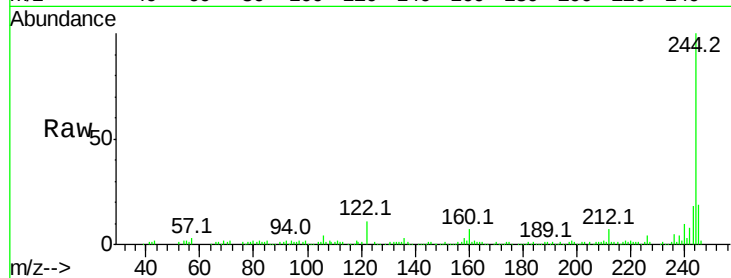
Tot Ion:244 Resp: 104050

Ion Ratio Lower Upper

244 100

212 6.8 5.4 8.0

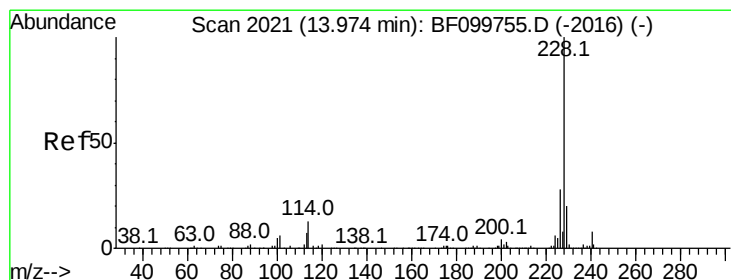
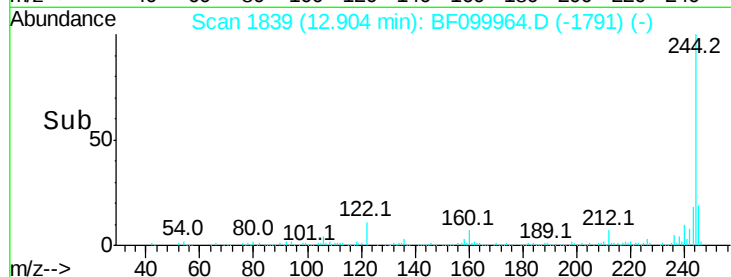
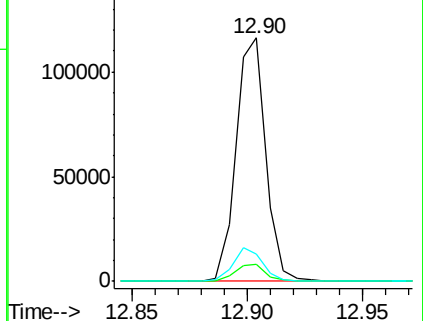
122 11.4 11.0 16.4



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: 2.880 ng

RT: 13.97 min Scan# 2020

Delta R.T. -0.01 min

Lab File: BF099964.D

Acq: 30 Oct 2017 17:19

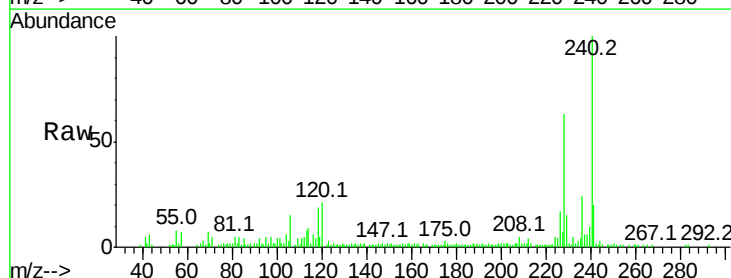
Tgt Ion:228 Resp: 31283

Ion Ratio Lower Upper

228 100

226 26.8 22.6 33.8

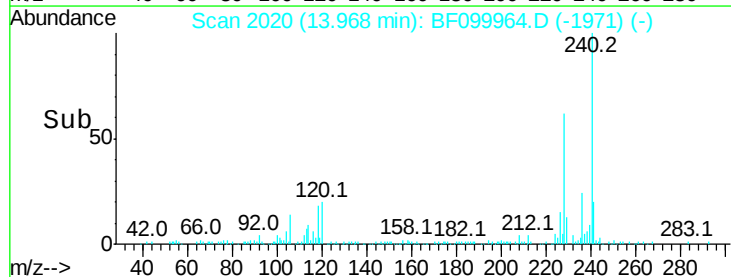
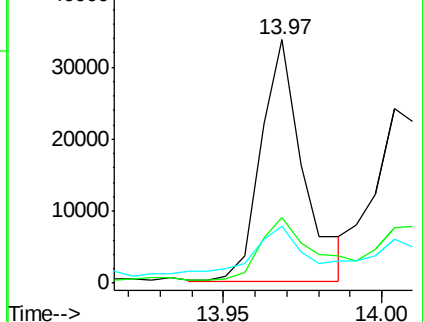
229 23.3 15.8 23.6

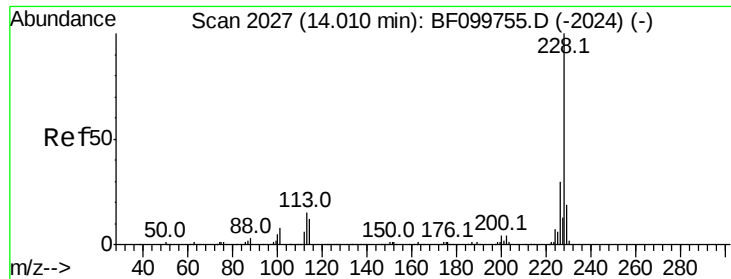


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#82

Chrysene

Concen: 3.064 ng

RT: 13.97 min Scan# 2020

Delta R.T. -0.05 min

Lab File: BF099964.D

Acq: 30 Oct 2017 17:19

Instrument :

BNA_F

ClientSampleId :

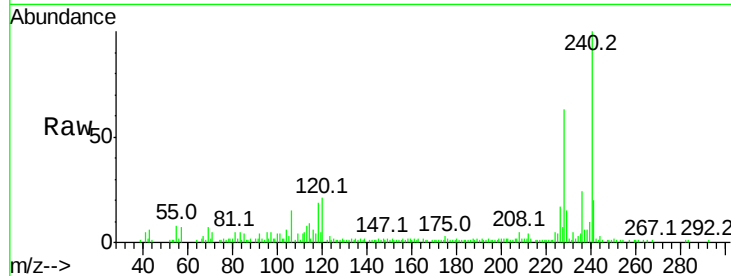
Tot Ion:228 Resp: 31283

Ion Ratio Lower Upper

228 100

226 26.8 25.0 37.6

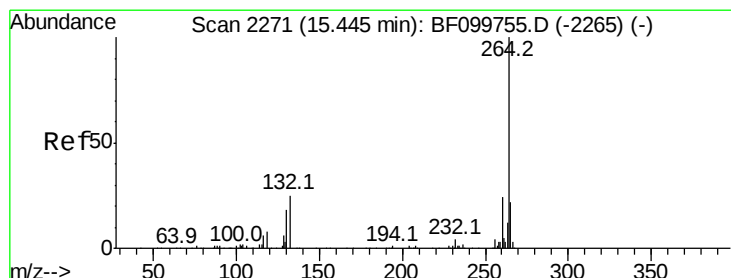
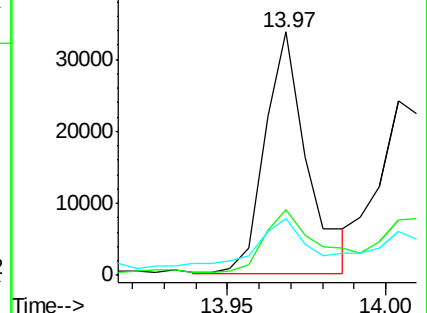
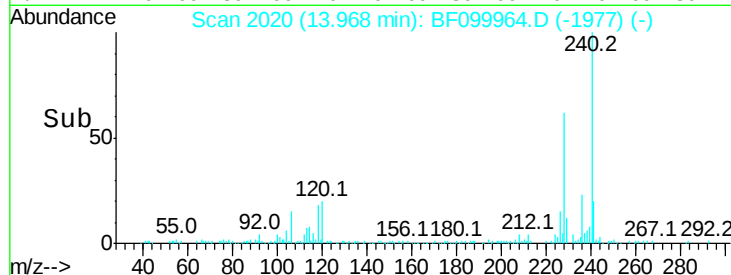
229 23.3 16.2 24.4



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



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.47 min Scan# 2275

Delta R.T. 0.01 min

Lab File: BF099964.D

Acq: 30 Oct 2017 17:19

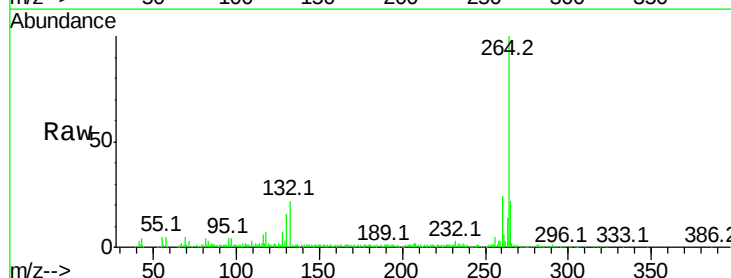
Tgt Ion:264 Resp: 162673

Ion Ratio Lower Upper

264 100

260 24.1 19.2 28.8

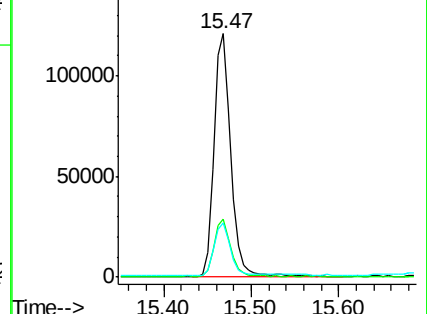
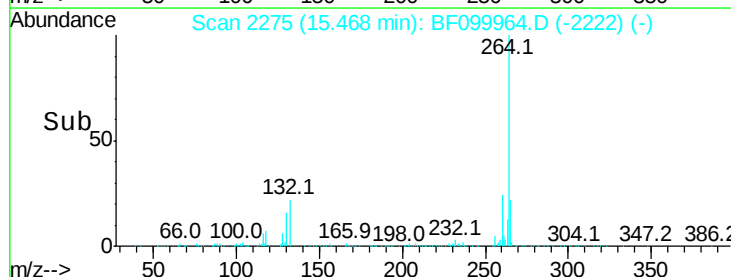
265 22.1 17.5 26.3

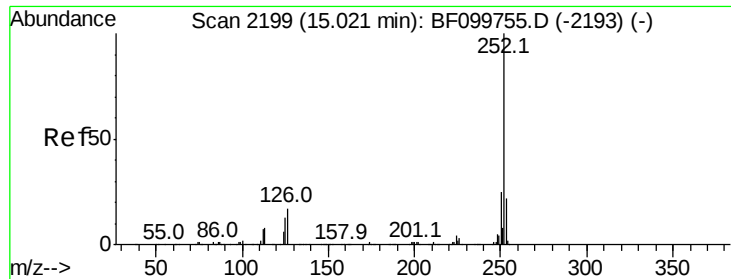


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E





#87

Benzo(b)fluoranthene

Concen: 2.971 ng

RT: 15.04 min Scan# 2203

Delta R.T. 0.01 min

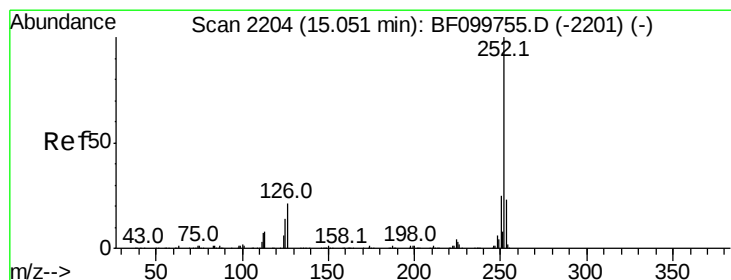
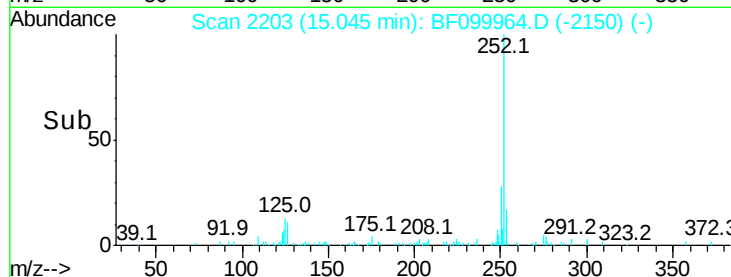
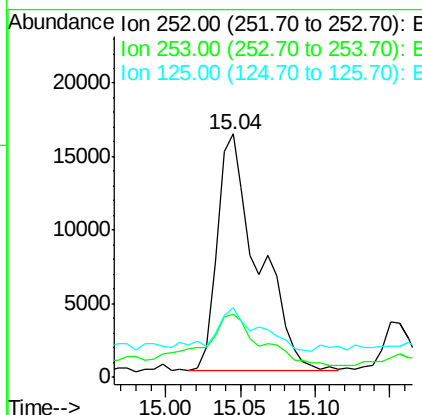
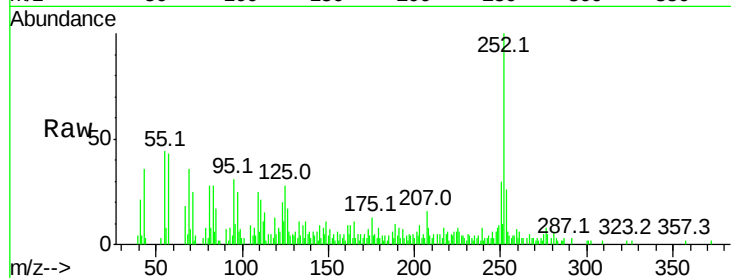
Lab File: BF099964.D

Acq: 30 Oct 2017 17:19

Instrument :
BNA_F
ClientSampleId :

Tot Ion:252 Resp: 30523

Ion	Ratio	Lower	Upper
252	100		
253	25.8	17.0	25.6#
125	28.3	9.0	13.6#



#88

Benzo(k)fluoranthene

Concen: 3.151 ng

RT: 15.04 min Scan# 2203

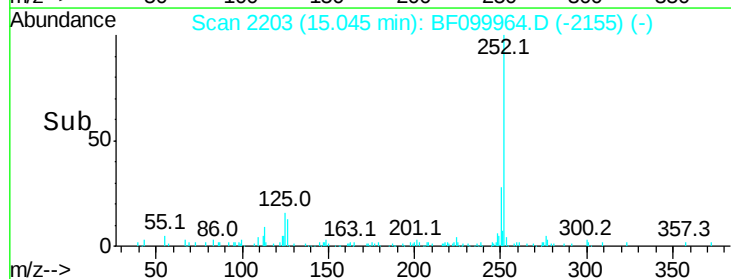
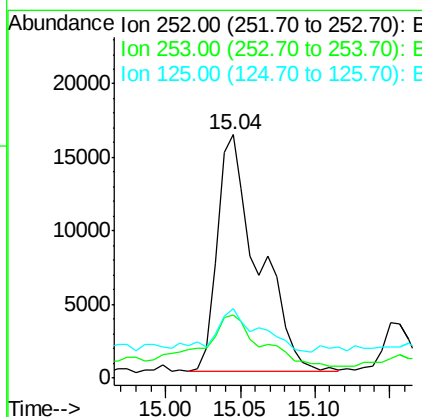
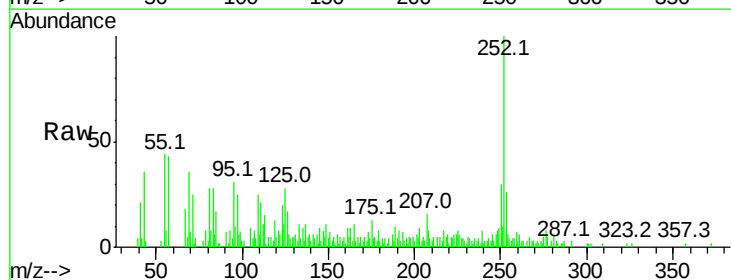
Delta R.T. -0.02 min

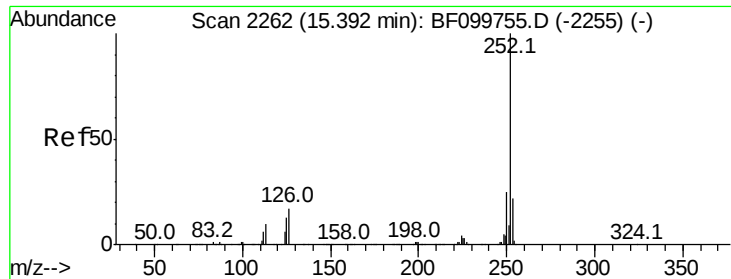
Lab File: BF099964.D

Acq: 30 Oct 2017 17:19

Tgt Ion:252 Resp: 30523

Ion	Ratio	Lower	Upper
252	100		
253	25.8	17.9	26.9
125	28.3	10.2	15.2#





#89

Benzo(a)pyrene

Concen: 2.270 ng

RT: 15.41 min Scan# 2265

Delta R.T. 0.01 min

Lab File: BF099964.D

Acq: 30 Oct 2017 17:19

Instrument :

BNA_F

ClientSampleId :

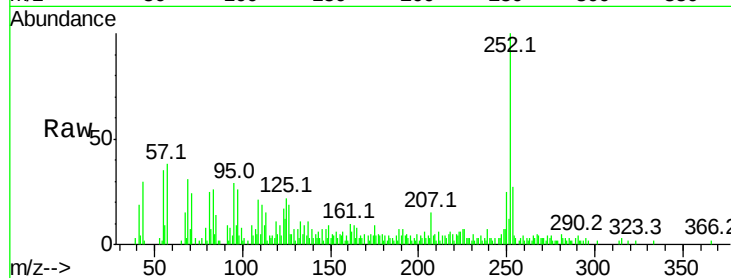
Tot Ion:252 Resp: 20947

Ion Ratio Lower Upper

252 100

253 27.3 17.1 25.7#

125 22.2 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

