

Data Path : Z:\HPCHEM1\BNA F\DATA\BF102417\
 Data File : BF099792.D
 Acq On : 24 Oct 2017 17:07
 Operator : SJ/JU
 Sample : I6019-01 10X
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Oct 25 07:35:59 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	87081	20.00	ng	0.00
21) Naphthalene-d8	8.09	136	341940	20.00	ng	0.00
38) Acenaphthene-d10	9.85	164	162381	20.00	ng	0.00
63) Phenanthrene-d10	11.33	188	256714	20.00	ng	0.00
75) Chrysene-d12	13.98	240	155644	20.00	ng	0.00
86) Perylene-d12	15.45	264	159144	20.00	ng	0.00

System Monitoring Compounds						
5) 2-Fluorophenol	5.43	112	39014	7.03	ng	0.01
7) Phenol-d6	6.45	99	52790	8.03	ng	0.00
23) Nitrobenzene-d5	7.37	82	28488	5.36	ng	0.00
41) 2,4,6-Tribromophenol	10.64	330	10006	6.76	ng	0.00
44) 2-Fluorobiphenyl	9.16	172	67224	6.39	ng	0.00
78) Terphenyl-d14	12.91	244	43456	6.10	ng	0.00

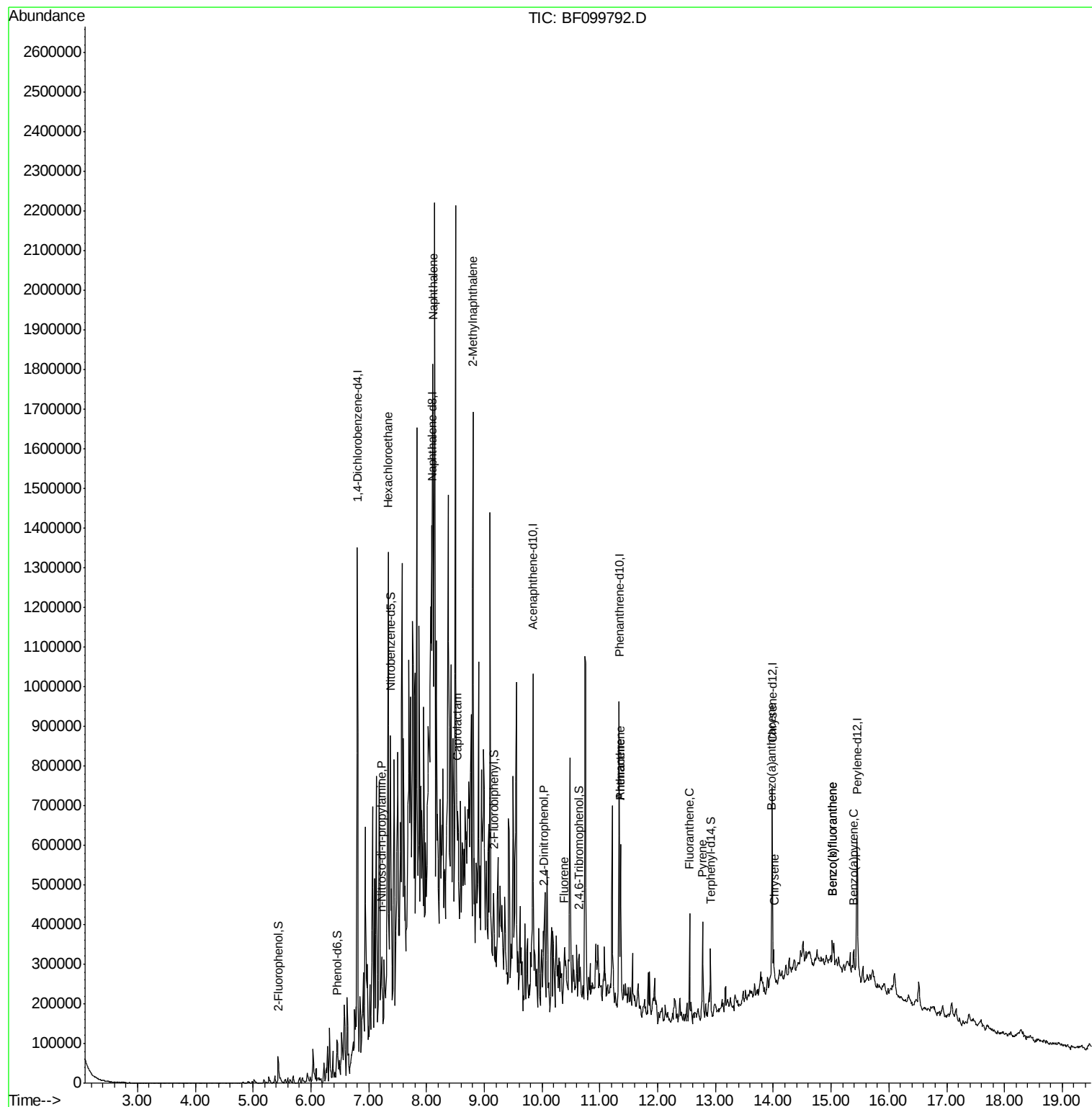
Target Compounds						Qvalue
18) Hexachloroethane	7.33	117	43520	19.36	ng	# 1
19) n-Nitroso-di-n-propylamine	7.22	70	10289	2.67	ng	# 61
31) Naphthalene	8.11	128	470375	28.50	ng	98
35) Caprolactam	8.53	113	5915	4.01	ng	# 1
37) 2-Methylnaphthalene	8.80	142	373509	33.77	ng	97
53) 2,4-Dinitrophenol	10.03	184	118	5.86	ng	# 1
57) Fluorene	10.39	166	24230	2.06	ng	# 95
70) Phenanthrene	11.36	178	131969	9.11	ng	99
71) Anthracene	11.36	178	131969	8.97	ng	100
74) Fluoranthene	12.55	202	102799	6.83	ng	98
77) Pyrene	12.78	202	90484	7.65	ng	98
80) Benzo(a)anthracene	13.97	228	35194	3.57	ng	97
82) Chrysene	14.01	228	30935	3.33	ng	96
87) Benzo(b)fluoranthene	15.03	252	48771	4.85	ng	# 79
88) Benzo(k)fluoranthene	15.03	252	48771	5.15	ng	# 82
89) Benzo(a)pyrene	15.39	252	26144	2.90	ng	# 82

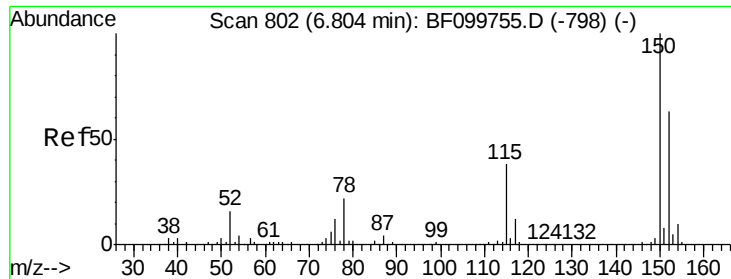
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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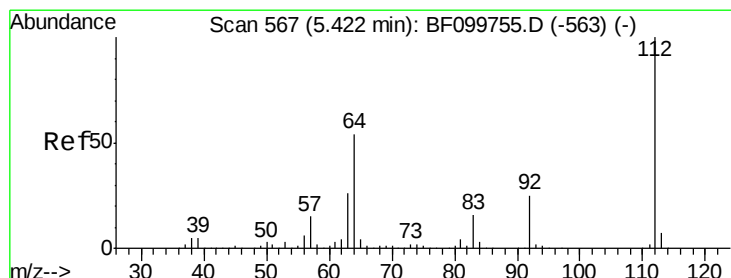
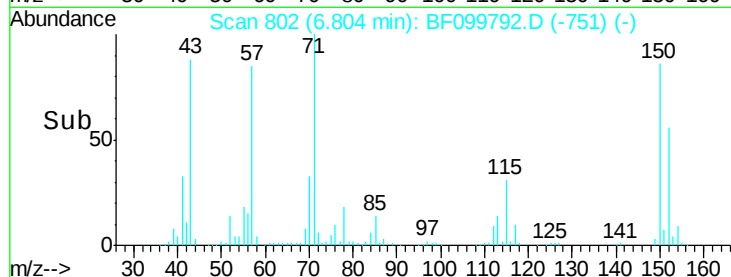
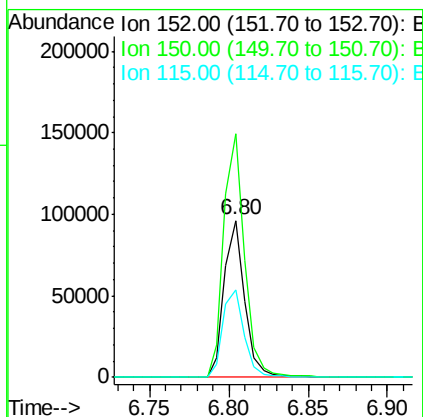
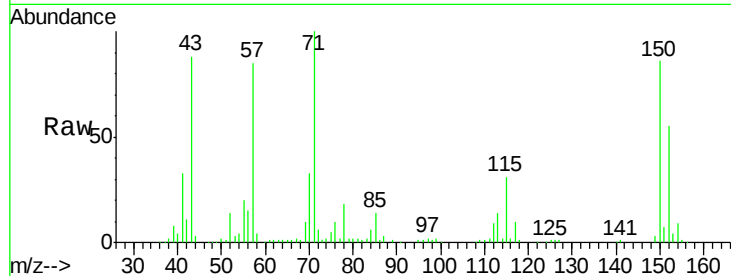


#1

1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.80 min Scan# 802
Delta R.T. -0.00 min
Lab File: BF099792.D
Acq: 24 Oct 2017 17:07

Instrument :
BNA_F
ClientSampleId :

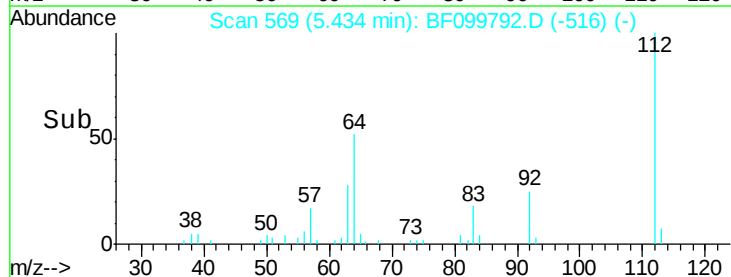
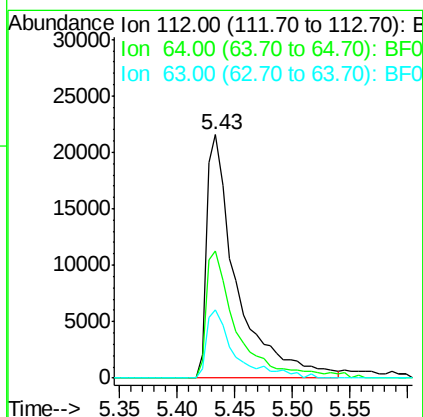
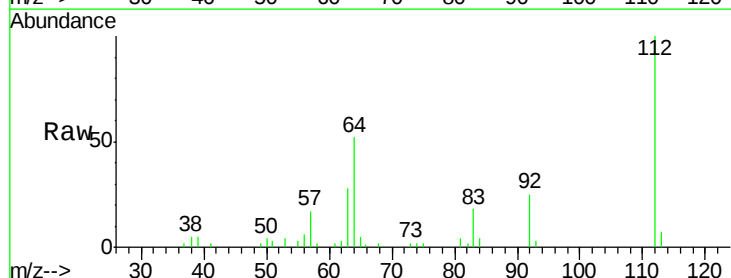
Tot Ion:152 Resp: 87081
Ion Ratio Lower Upper
152 100
150 155.0 124.6 186.8
115 55.9 50.1 75.1

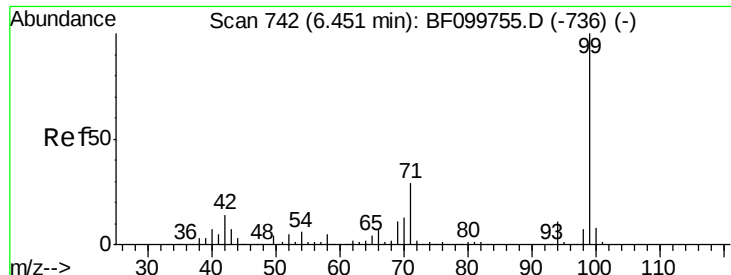


#5

2-Fluorophenol
Concen: 7.03 ng
RT: 5.43 min Scan# 569
Delta R.T. 0.01 min
Lab File: BF099792.D
Acq: 24 Oct 2017 17:07

Tgt Ion:112 Resp: 39014
Ion Ratio Lower Upper
112 100
64 52.2 47.9 71.9
63 28.1 23.7 35.5





#7

Phenol-d6

Concen: 8.03 ng

RT: 6.45 min Scan# 742

Delta R.T. -0.00 min

Lab File: BF099792.D

Acq: 24 Oct 2017 17:07

Instrument :

BNA_F

ClientSampled :

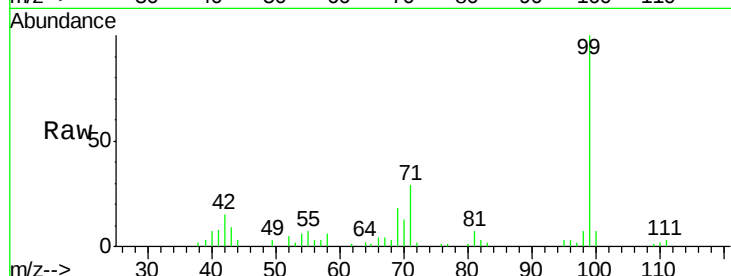
Tot Ion: 99 Resp: 52790

Ion Ratio Lower Upper

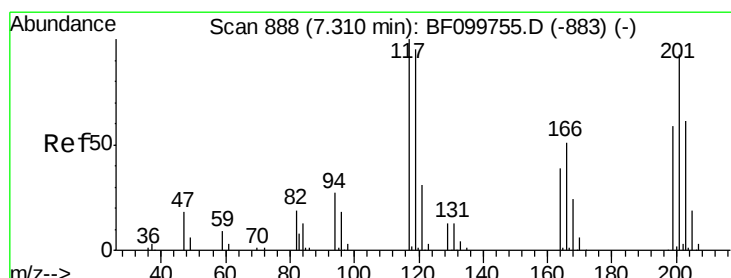
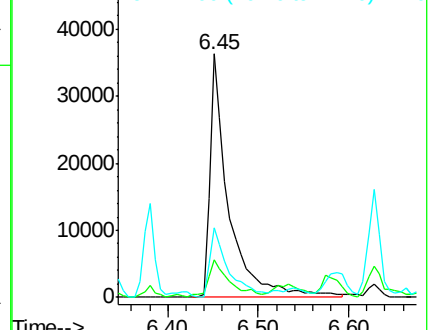
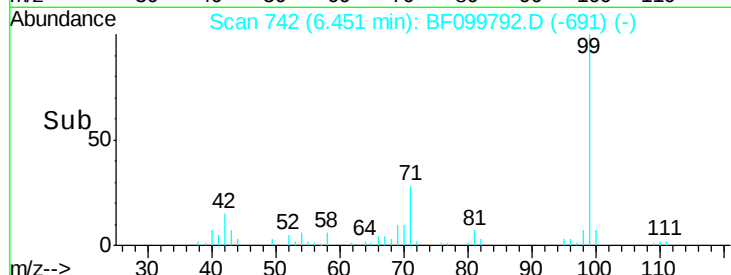
99 100

42 15.3 14.5 21.7

71 28.6 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



#18

Hexachloroethane

Concen: 19.36 ng

RT: 7.33 min Scan# 892

Delta R.T. 0.02 min

Lab File: BF099792.D

Acq: 24 Oct 2017 17:07

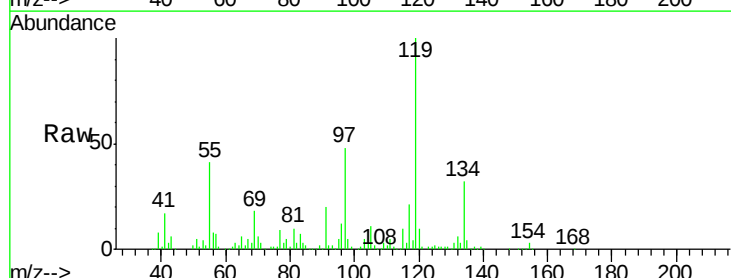
Tgt Ion: 117 Resp: 43520

Ion Ratio Lower Upper

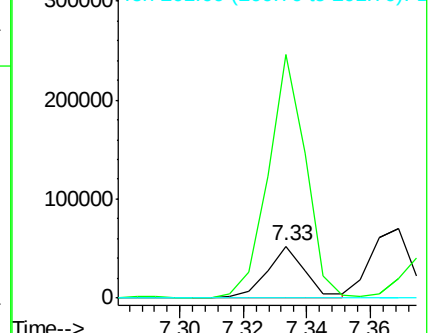
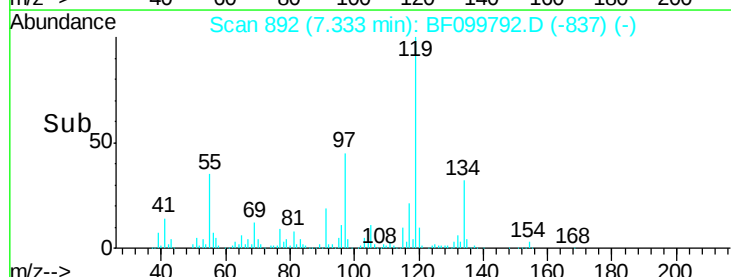
117 100

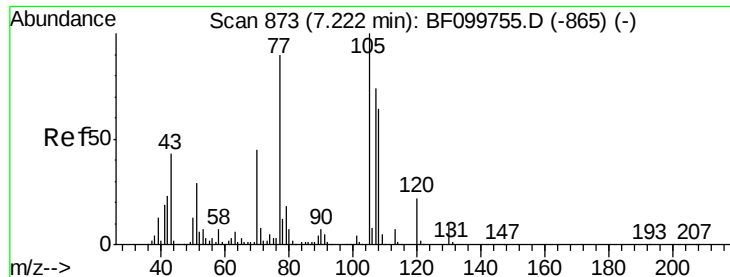
119 467.8 75.8 113.8#

201 0.0 75.7 113.5#



Abundance Ion 117.00 (116.70 to 117.70): E
Ion 119.00 (118.70 to 119.70): E
Ion 201.00 (200.70 to 201.70): E

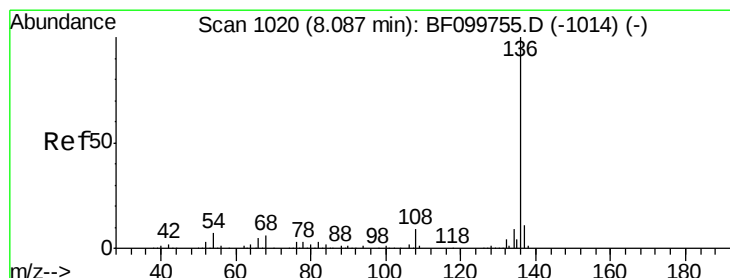
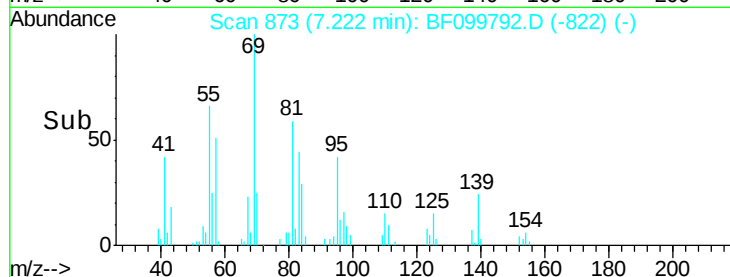
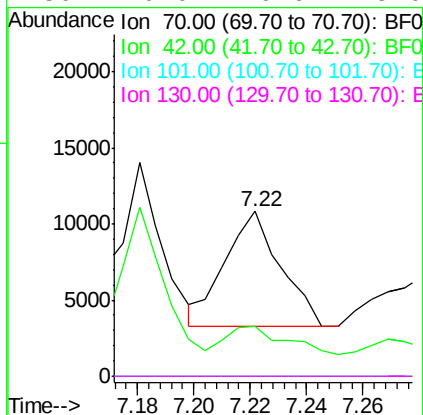
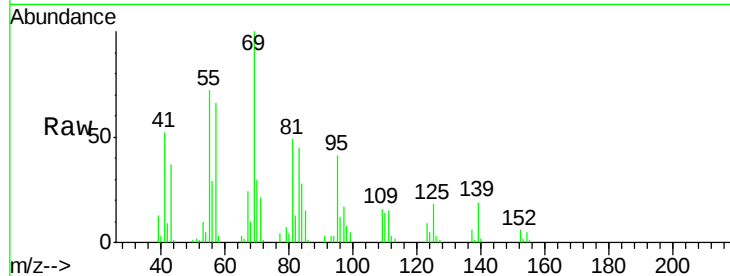




#19
n-Nitroso-di-n-propylamine
Concen: 2.67 ng
RT: 7.22 min Scan# 873
Delta R.T. -0.00 min
Lab File: BF099792.D
Acq: 24 Oct 2017 17:07

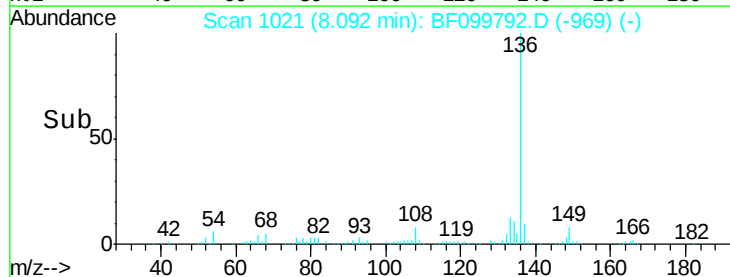
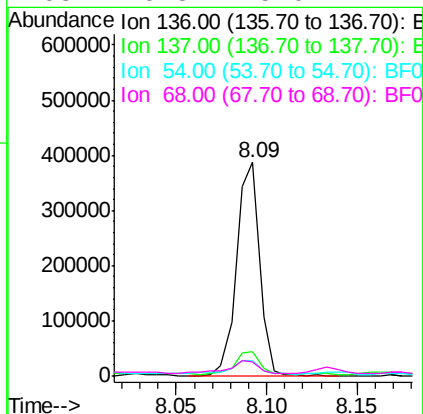
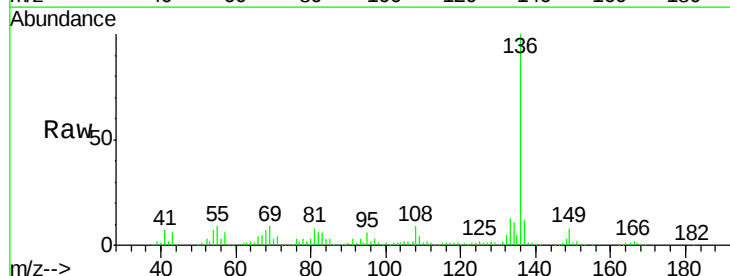
Instrument :
BNA_F
ClientSampled :

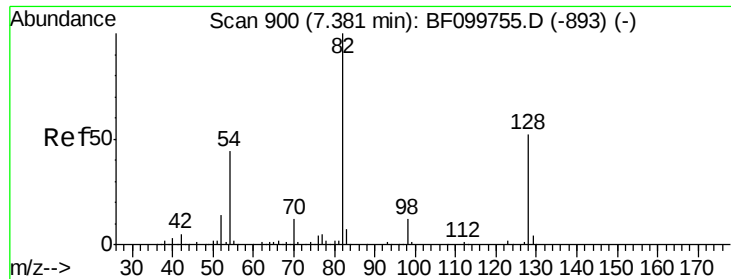
Tot Ion: 70 Resp: 10289
Ion Ratio Lower Upper
70 100
42 30.0 47.5 71.3#
101 0.0 7.4 11.2#
130 0.0 16.6 25.0#



#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.09 min Scan# 1021
Delta R.T. 0.01 min
Lab File: BF099792.D
Acq: 24 Oct 2017 17:07

Tgt Ion:136 Resp: 341940
Ion Ratio Lower Upper
136 100
137 11.6 8.9 13.3
54 7.3 6.6 9.8
68 6.8 5.0 7.4

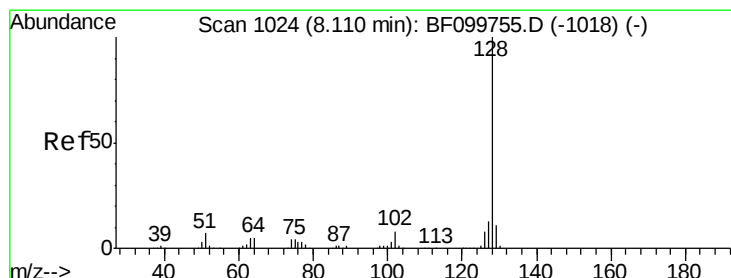
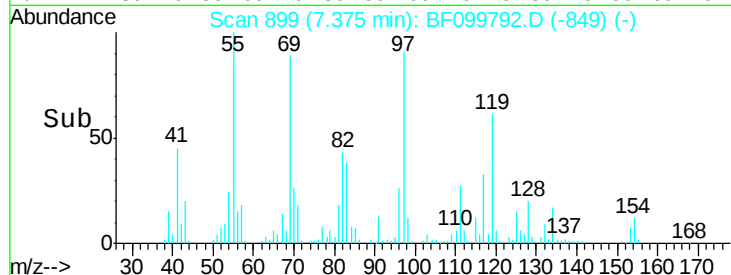
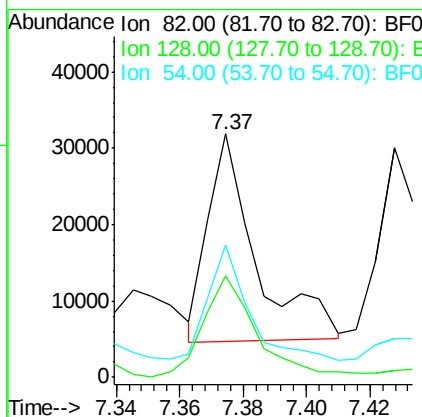
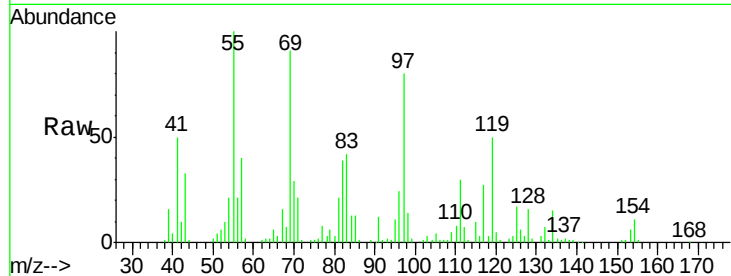




#23
Nitrobenzene-d5
Concen: 5.36 ng
RT: 7.37 min Scan# 899
Delta R.T. -0.01 min
Lab File: BF099792.D
Acq: 24 Oct 2017 17:07

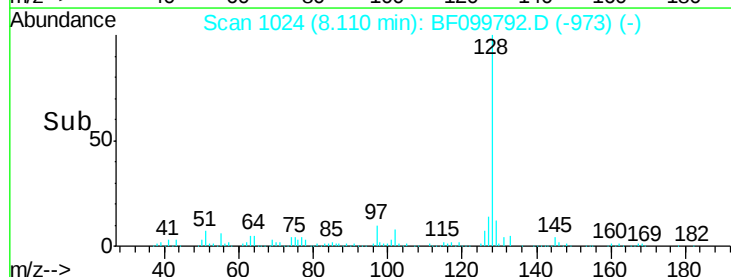
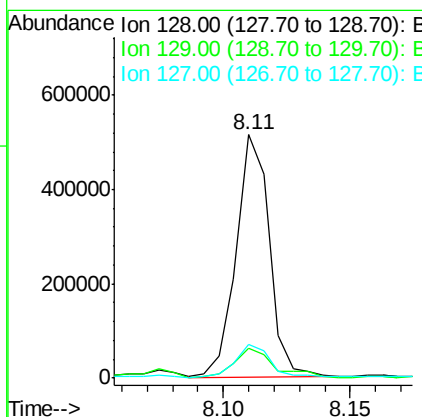
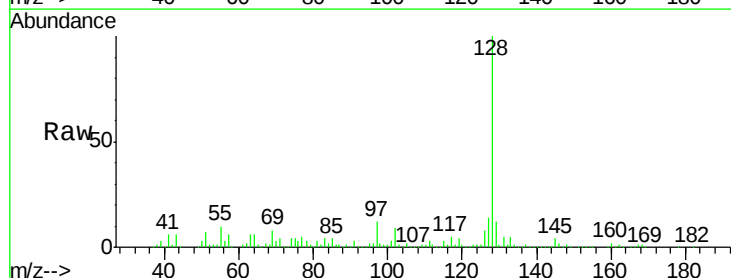
Instrument :
BNA_F
ClientSampled :

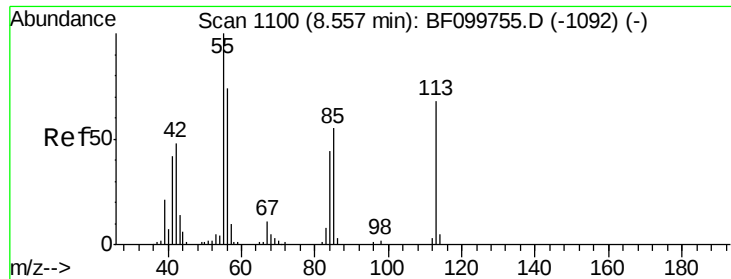
Tot Ion: 82 Resp: 28488
Ion Ratio Lower Upper
82 100
128 41.6 36.1 54.1
54 54.3 41.4 62.2



#31
Naphthalene
Concen: 28.50 ng
RT: 8.11 min Scan# 1024
Delta R.T. -0.00 min
Lab File: BF099792.D
Acq: 24 Oct 2017 17:07

Tgt Ion: 128 Resp: 470375
Ion Ratio Lower Upper
128 100
129 12.1 8.8 13.2
127 14.0 10.9 16.3

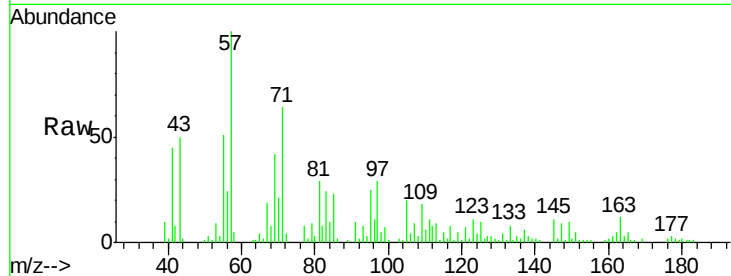




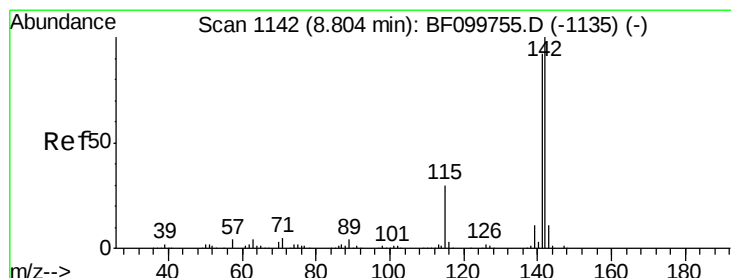
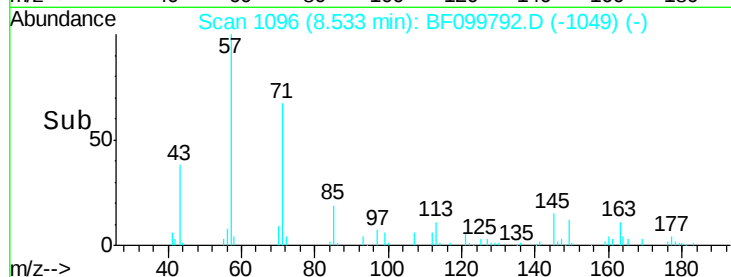
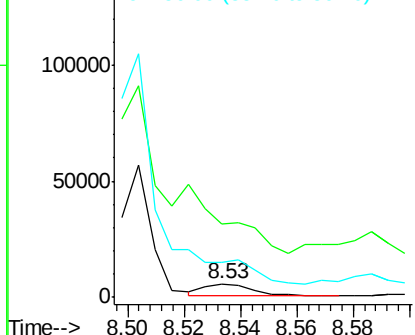
#35
 Caprolactam
 Concen: 4.01 ng
 RT: 8.53 min Scan# 1096
 Delta R.T. -0.02 min
 Lab File: BF099792.D
 Acq: 24 Oct 2017 17:07

Instrument :
 BNA_F
 ClientSampled :

Tot Ion:113 Resp: 5915
 Ion Ratio Lower Upper
 113 100
 55 555.1 163.3 203.3#
 56 260.1 115.7 155.7#

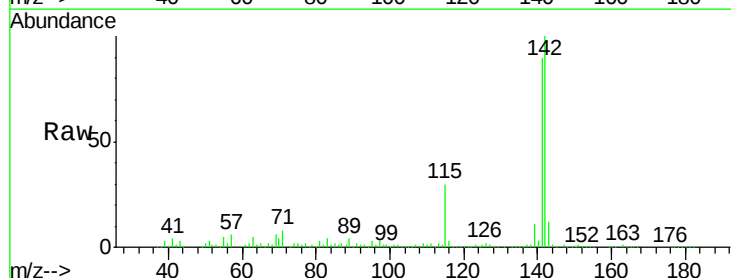


Abundance Ion 113.00 (112.70 to 113.70): E
 Ion 55.00 (54.70 to 55.70): BF0
 Ion 56.00 (55.70 to 56.70): BF0

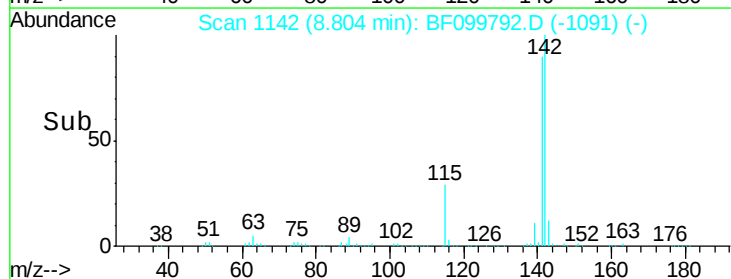
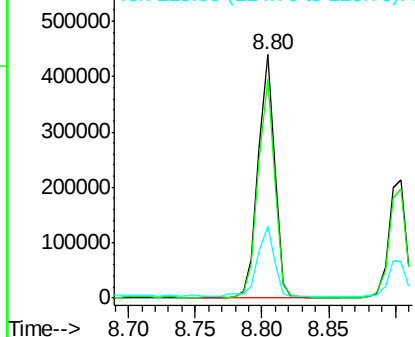


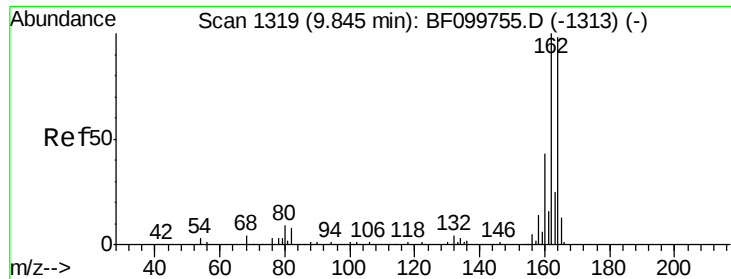
#37
 2-Methylnaphthalene
 Concen: 33.77 ng
 RT: 8.80 min Scan# 1142
 Delta R.T. -0.00 min
 Lab File: BF099792.D
 Acq: 24 Oct 2017 17:07

Tgt Ion:142 Resp: 373509
 Ion Ratio Lower Upper
 142 100
 141 90.1 70.8 106.2
 115 29.7 26.1 39.1



Abundance Ion 142.00 (141.70 to 142.70): E
 Ion 141.00 (140.70 to 141.70): E
 Ion 115.00 (114.70 to 115.70): E





#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.85 min Scan# 1319

Delta R.T. -0.00 min

Lab File: BF099792.D

Acq: 24 Oct 2017 17:07

Instrument :

BNA_F

ClientSampleId :

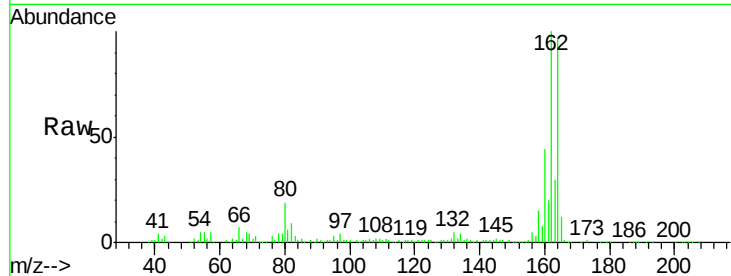
Tot Ion:164 Resp: 162381

Ion Ratio Lower Upper

164 100

162 102.6 86.1 129.1

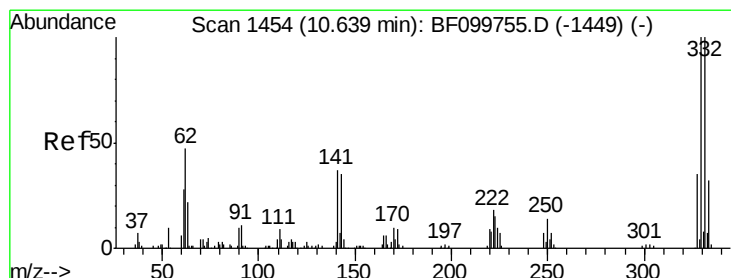
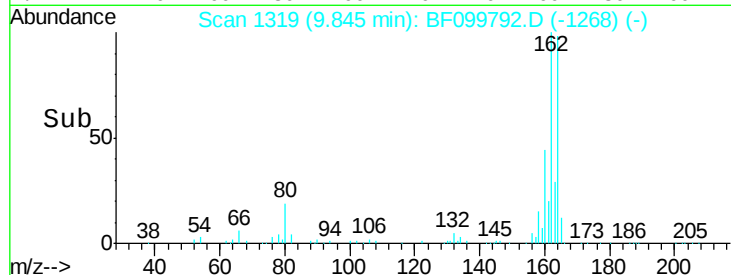
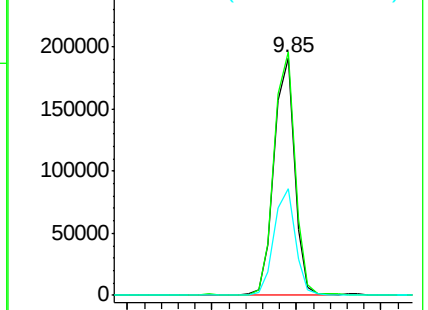
160 45.1 38.3 57.5



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: 6.76 ng

RT: 10.64 min Scan# 1454

Delta R.T. -0.00 min

Lab File: BF099792.D

Acq: 24 Oct 2017 17:07

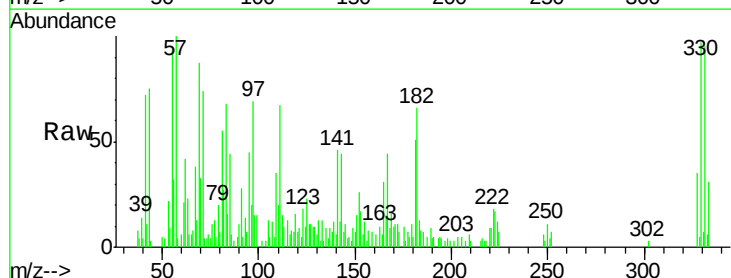
Tgt Ion:330 Resp: 10006

Ion Ratio Lower Upper

330 100

332 97.9 77.0 115.6

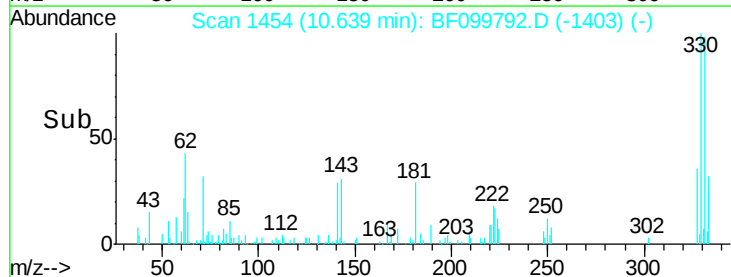
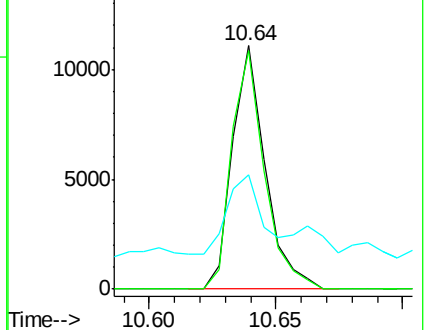
141 33.9 29.9 44.9

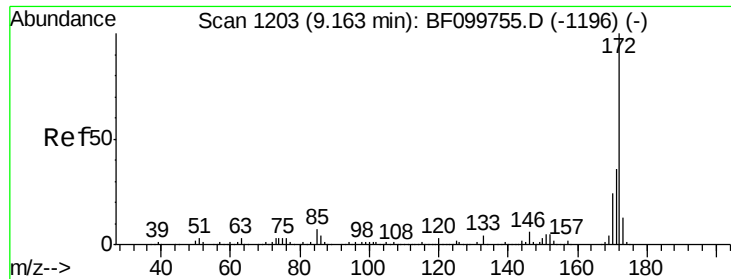


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

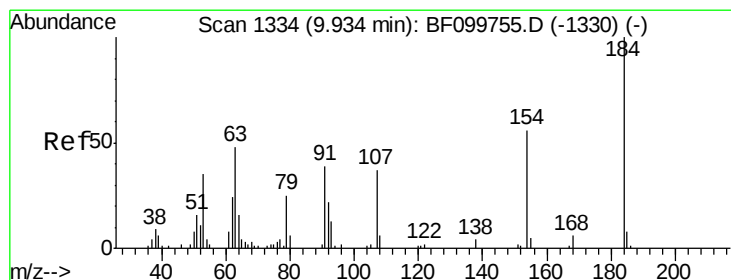
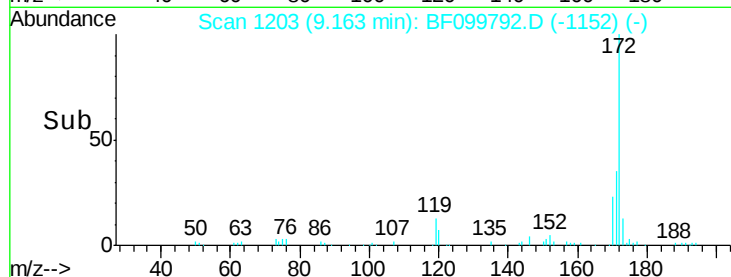
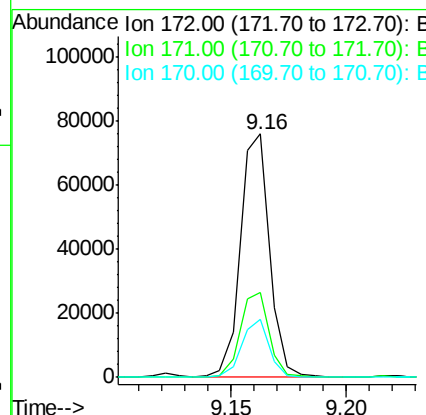
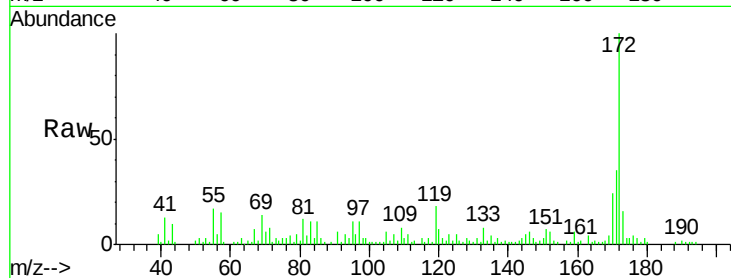




#44
2-Fluorobiphenyl
Concen: 6.39 ng
RT: 9.16 min Scan# 1203
Delta R.T. 0.00 min
Lab File: BF099792.D
Acq: 24 Oct 2017 17:07

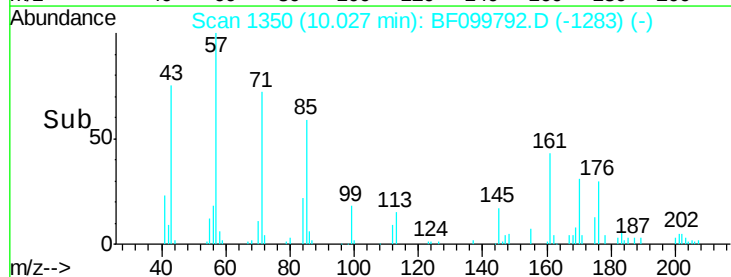
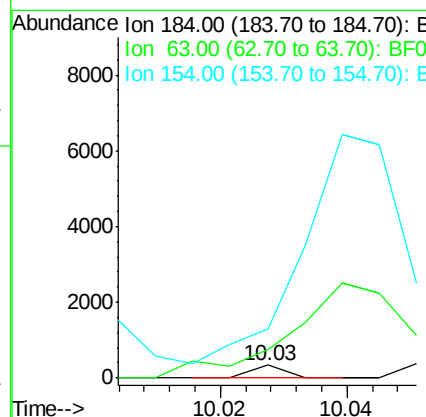
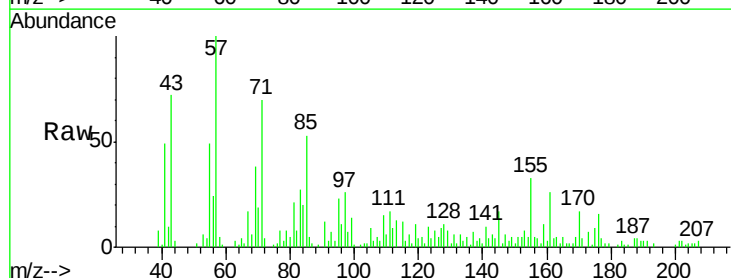
Instrument :
BNA_F
ClientSampled :

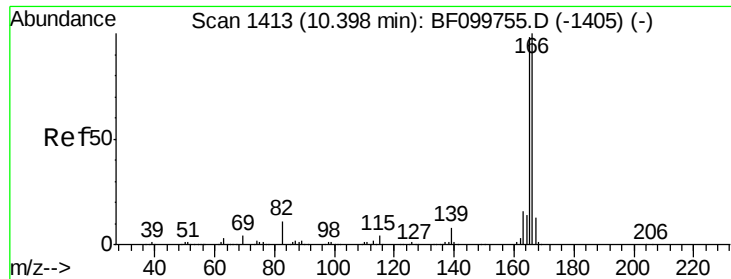
Tot Ion:172 Resp: 67224
Ion Ratio Lower Upper
172 100
171 34.9 29.7 44.5
170 23.9 19.6 29.4



#53
2,4-Dinitrophenol
Concen: 5.86 ng
RT: 10.03 min Scan# 1350
Delta R.T. 0.09 min
Lab File: BF099792.D
Acq: 24 Oct 2017 17:07

Tgt Ion:184 Resp: 118
Ion Ratio Lower Upper
184 100
63 229.9 54.2 81.2#
154 387.7 53.5 80.3#

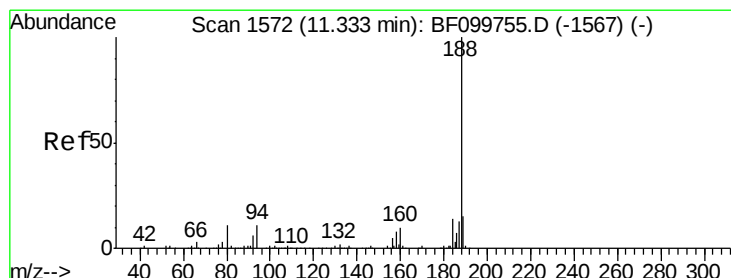
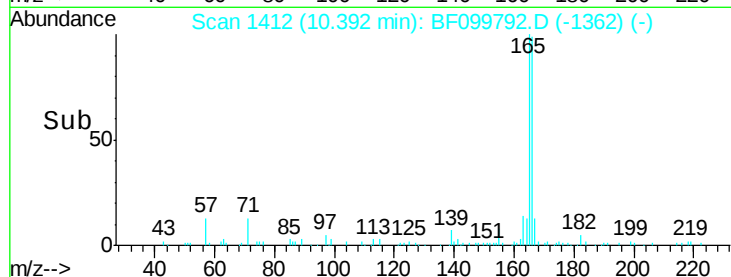
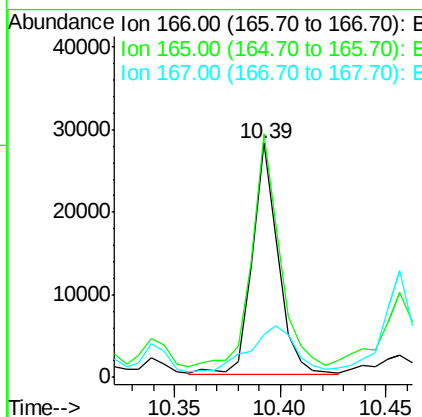
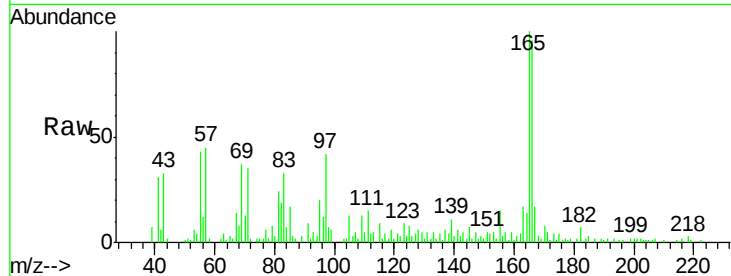




#57
 Fluorene
 Concen: 2.06 ng
 RT: 10.39 min Scan# 1412
 Delta R.T. -0.01 min
 Lab File: BF099792.D
 Acq: 24 Oct 2017 17:07

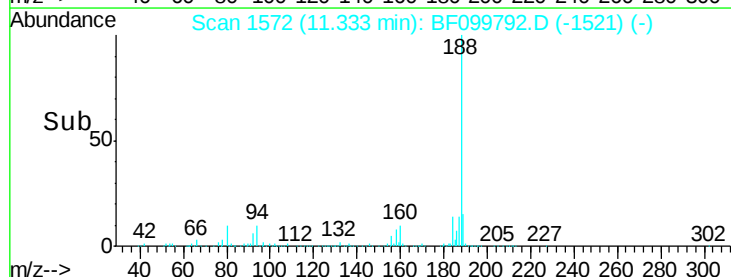
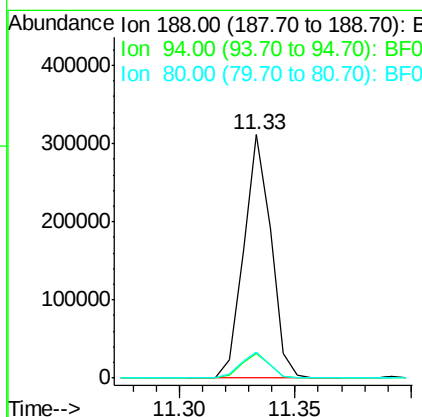
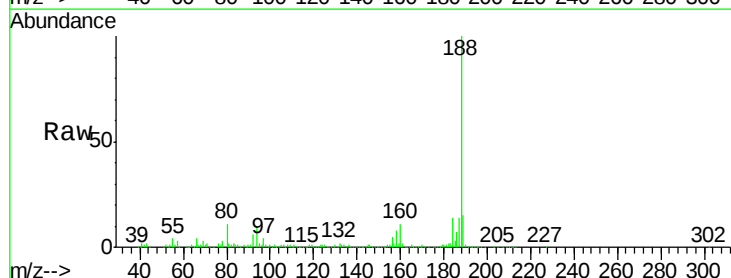
Instrument :
 BNA_F
 ClientSampleId :

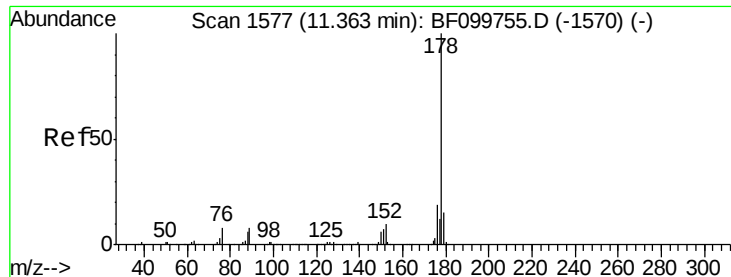
Tot Ion:166 Resp: 24230
 Ion Ratio Lower Upper
 166 100
 165 103.8 79.8 119.8
 167 18.1 10.6 16.0#



#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 11.33 min Scan# 1572
 Delta R.T. -0.00 min
 Lab File: BF099792.D
 Acq: 24 Oct 2017 17:07

Tgt Ion:188 Resp: 256714
 Ion Ratio Lower Upper
 188 100
 94 10.4 8.5 12.7
 80 10.6 9.2 13.8





#70

Phenanthrene

Concen: 9.11 ng

RT: 11.36 min Scan# 1576

Delta R.T. -0.01 min

Lab File: BF099792.D

Acq: 24 Oct 2017 17:07

Instrument :

BNA_F

ClientSampleId :

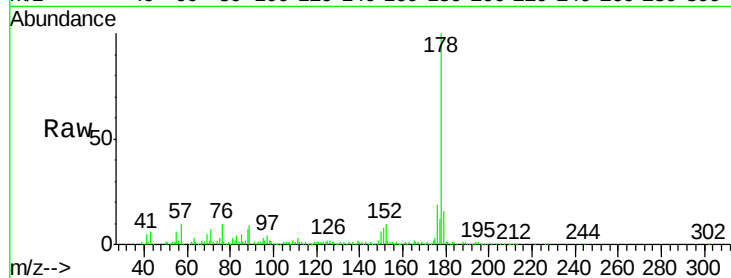
Tot Ion:178 Resp: 131969

Ion Ratio Lower Upper

178 100

176 19.1 15.8 23.8

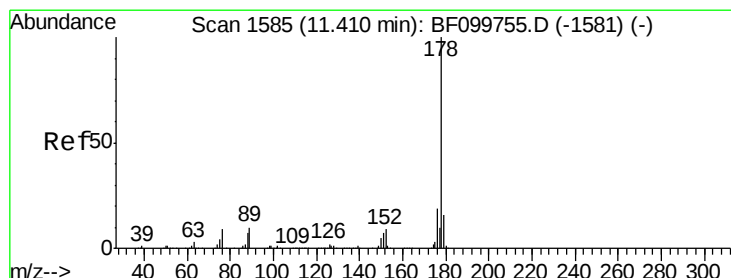
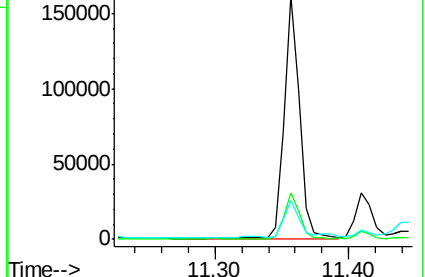
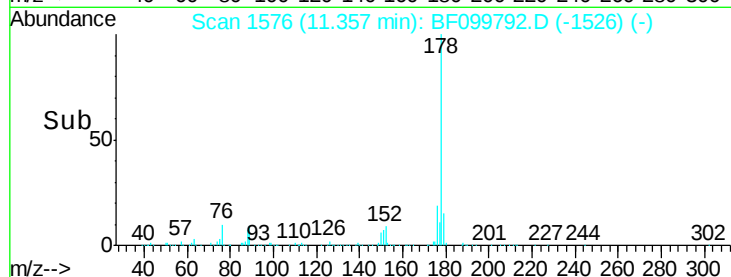
179 15.7 13.0 19.6



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: 8.97 ng

RT: 11.36 min Scan# 1576

Delta R.T. -0.05 min

Lab File: BF099792.D

Acq: 24 Oct 2017 17:07

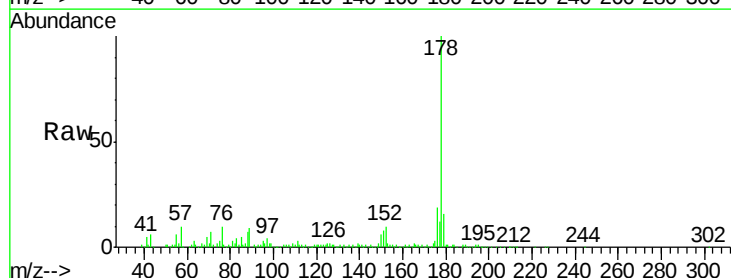
Tgt Ion:178 Resp: 131969

Ion Ratio Lower Upper

178 100

176 19.1 15.4 23.2

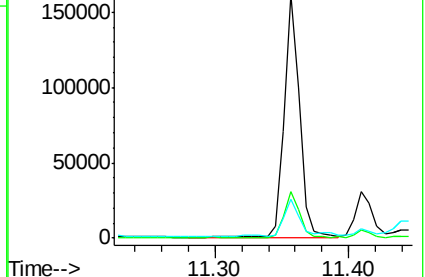
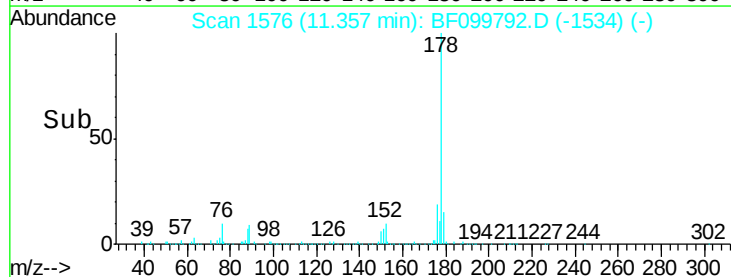
179 15.7 12.6 19.0

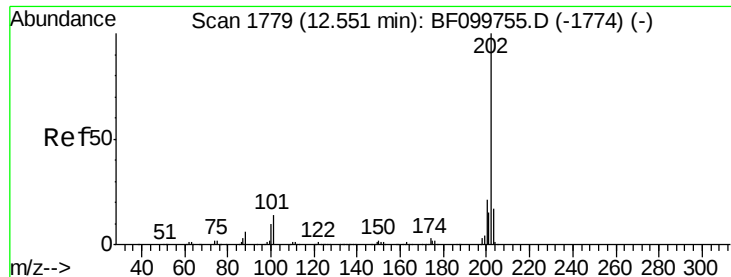


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E

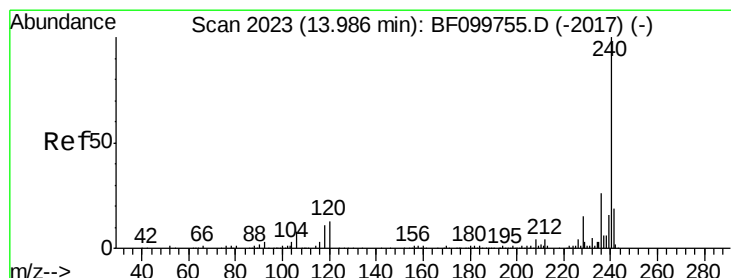
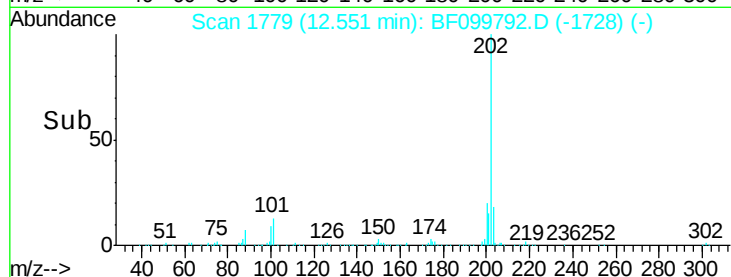
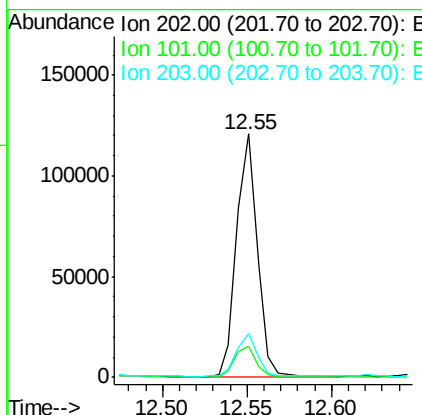
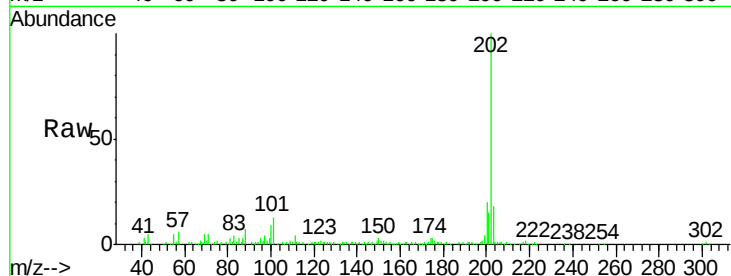




#74
Fluoranthene
Concen: 6.83 ng
RT: 12.55 min Scan# 1779
Delta R.T. -0.00 min
Lab File: BF099792.D
Acq: 24 Oct 2017 17:07

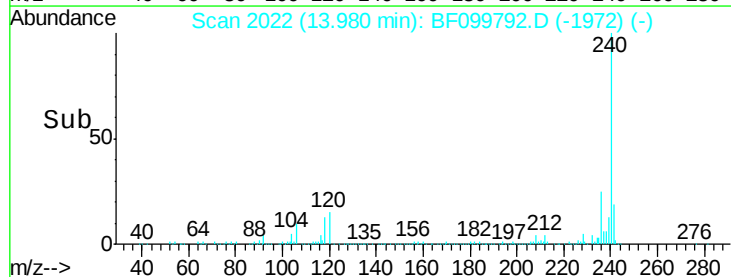
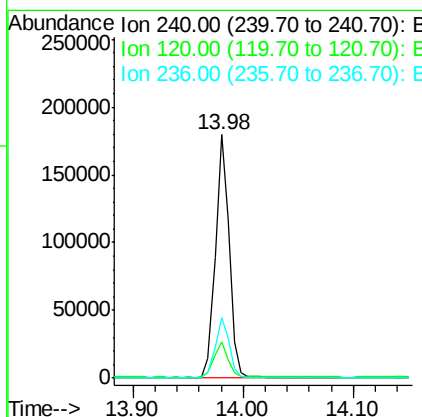
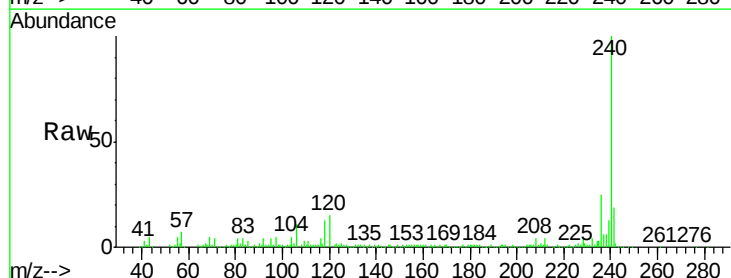
Instrument :
BNA_F
ClientSampleId :

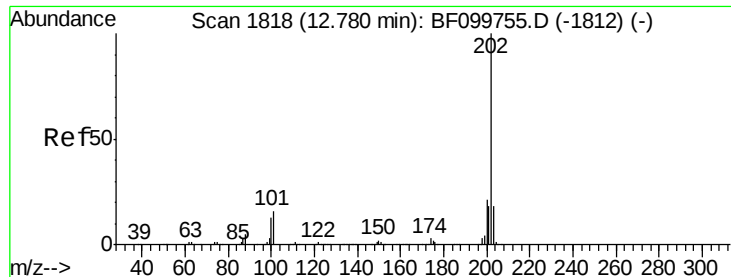
Tot Ion	Ratio	Lower	Upper
202	100		
101	12.5	0.0	34.1
203	18.0	0.0	38.1



#75
Chrysene-d12
Concen: 20.00 ng
RT: 13.98 min Scan# 2022
Delta R.T. -0.01 min
Lab File: BF099792.D
Acq: 24 Oct 2017 17:07

Tgt Ion	Ratio	Lower	Upper
240	100		
120	15.0	9.5	14.3#
236	24.7	20.7	31.1





#77

Pvrene

Concen: 7.65 ng

RT: 12.78 min Scan# 1818

Delta R.T. -0.00 min

Lab File: BF099792.D

Acq: 24 Oct 2017 17:07

Instrument :

BNA_F

ClientSampled :

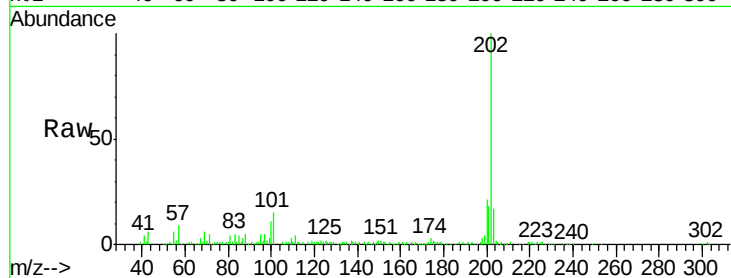
Tot Ion:202 Resp: 90484

Ion Ratio Lower Upper

202 100

200 21.2 17.4 26.2

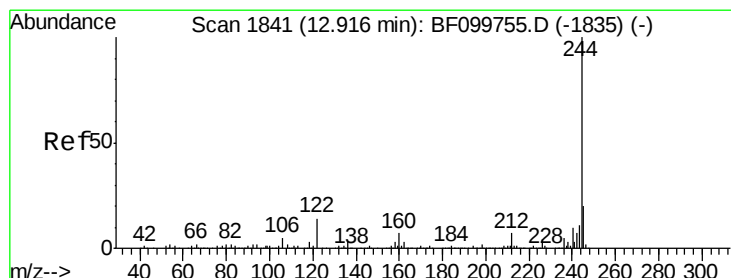
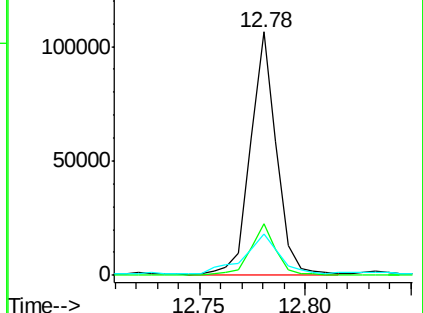
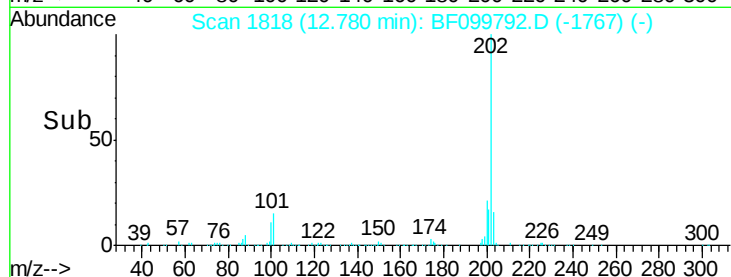
203 17.0 14.3 21.5



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: 6.10 ng

RT: 12.91 min Scan# 1840

Delta R.T. -0.01 min

Lab File: BF099792.D

Acq: 24 Oct 2017 17:07

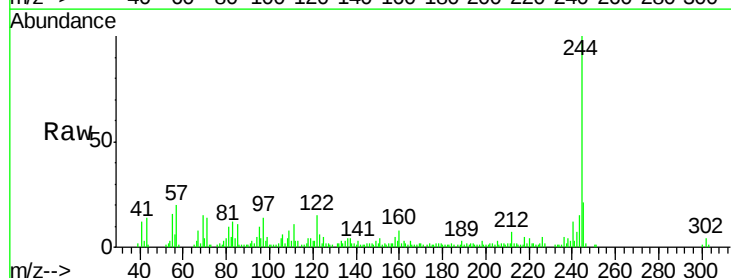
Tgt Ion:244 Resp: 43456

Ion Ratio Lower Upper

244 100

212 7.1 5.4 8.0

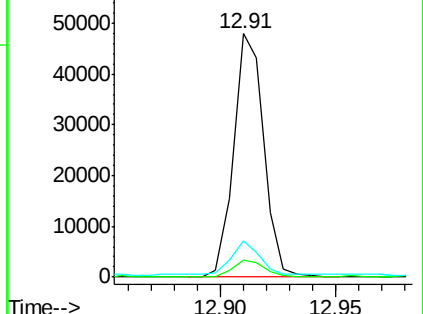
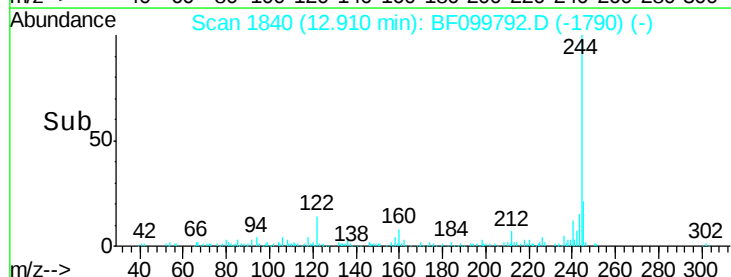
122 15.0 11.0 16.4

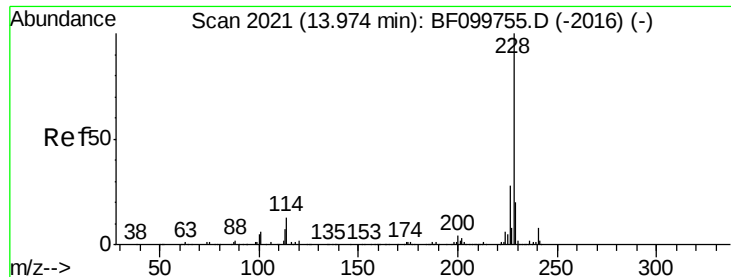


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

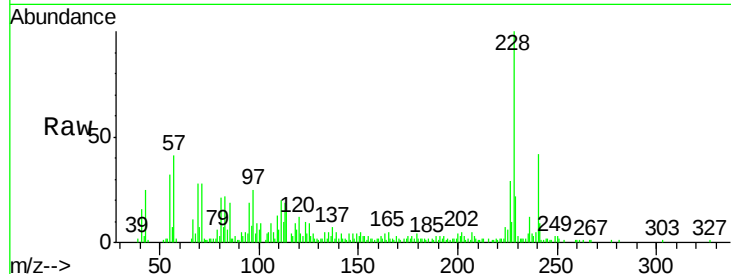




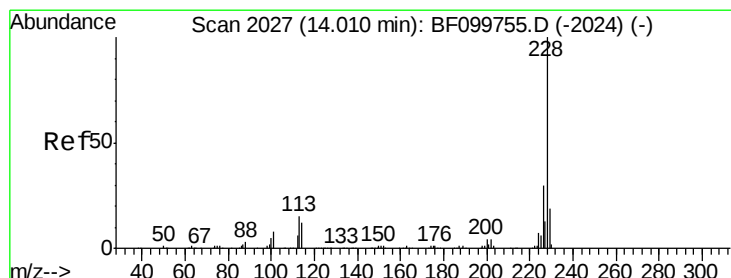
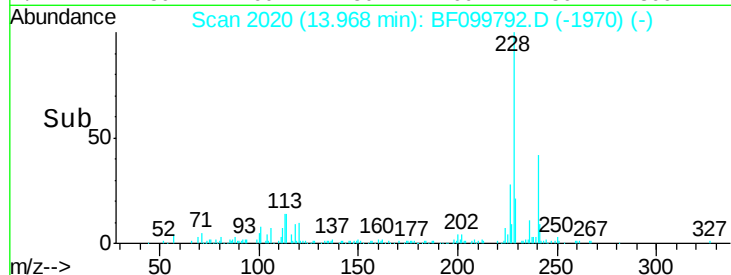
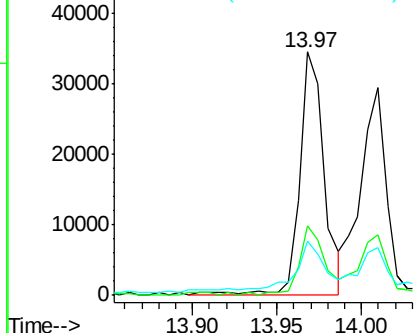
#80
Benzo(a)anthracene
Concen: 3.57 ng
RT: 13.97 min Scan# 2020
Delta R.T. -0.01 min
Lab File: BF099792.D
Acq: 24 Oct 2017 17:07

Instrument :
BNA_F
ClientSampleId :

Tot Ion:228 Resp: 35194
Ion Ratio Lower Upper
228 100
226 28.7 22.6 33.8
229 22.2 15.8 23.6

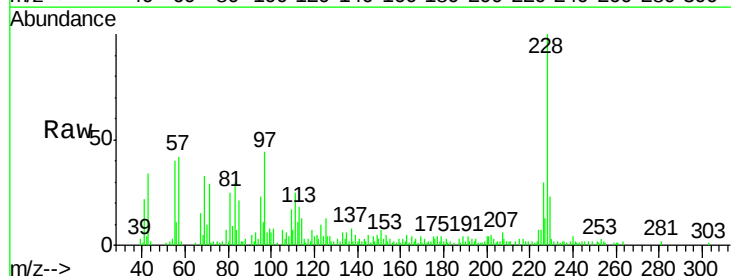


Abundance Ion 228.00 (227.70 to 228.70): E
Ion 226.00 (225.70 to 226.70): E
Ion 229.00 (228.70 to 229.70): E

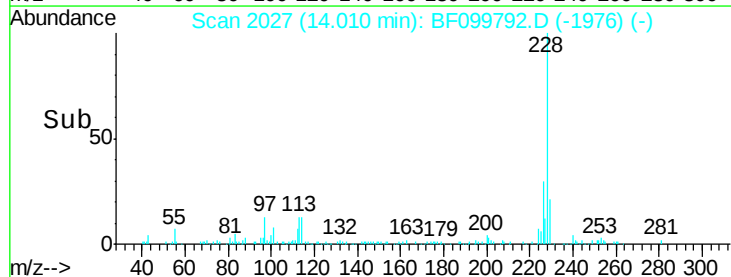
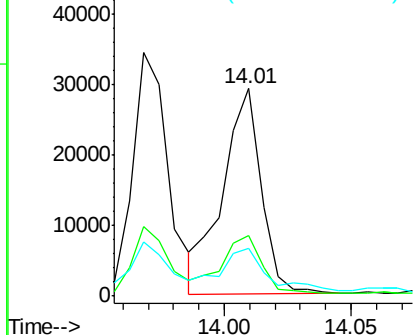


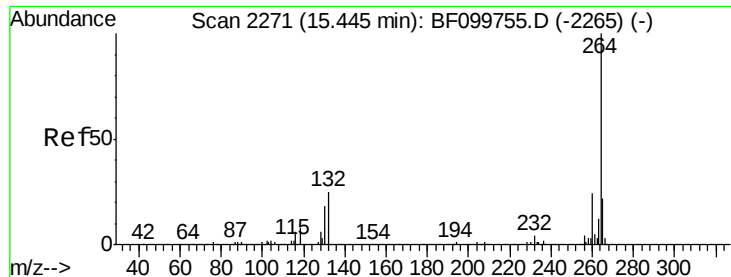
#82
Chrysene
Concen: 3.33 ng
RT: 14.01 min Scan# 2027
Delta R.T. -0.00 min
Lab File: BF099792.D
Acq: 24 Oct 2017 17:07

Tgt Ion:228 Resp: 30935
Ion Ratio Lower Upper
228 100
226 29.5 25.0 37.6
229 23.2 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

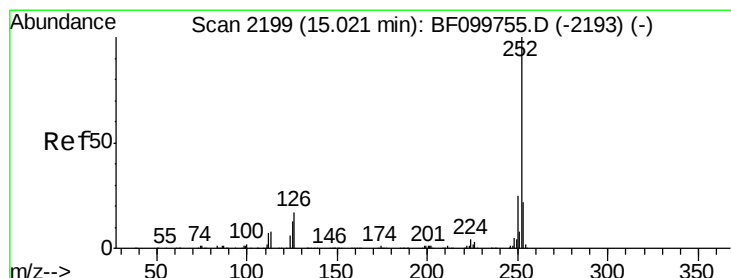
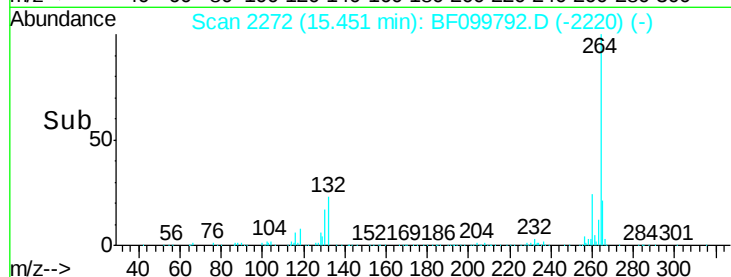
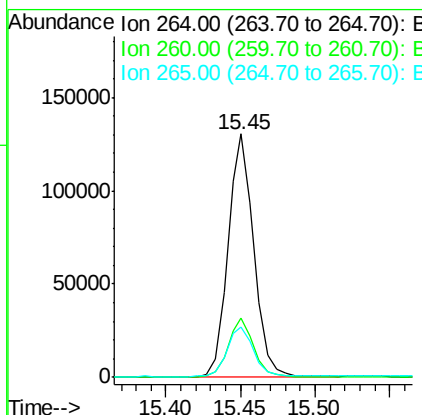
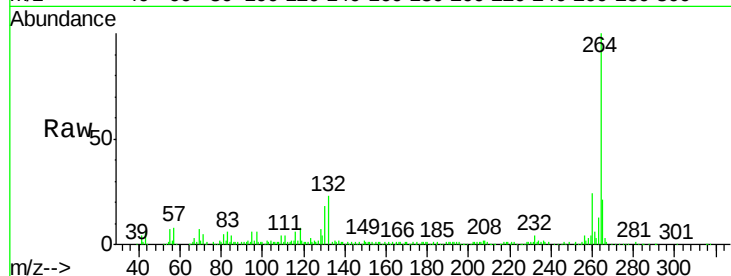




#86
Pervlene-d12
Concen: 20.00 ng
RT: 15.45 min Scan# 2272
Delta R.T. 0.01 min
Lab File: BF099792.D
Acq: 24 Oct 2017 17:07

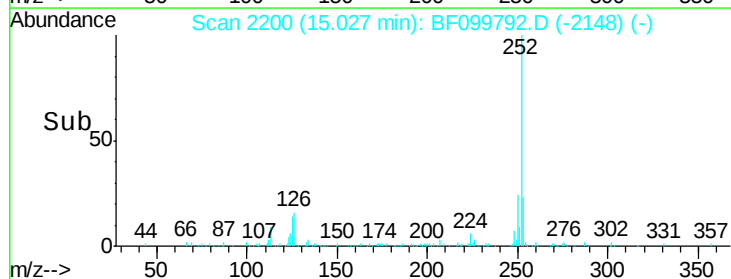
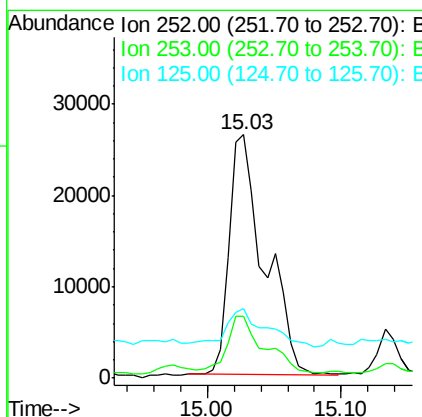
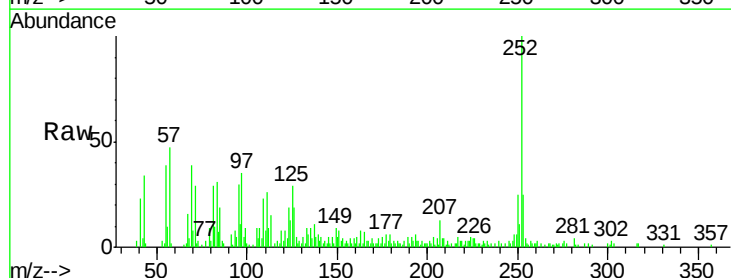
Instrument :
BNA_F
ClientSampleId :

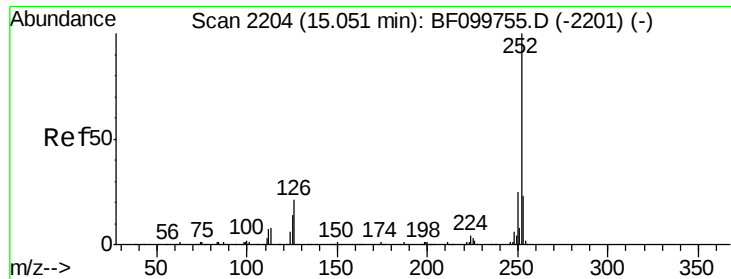
Tot Ion:264 Resp: 159144
Ion Ratio Lower Upper
264 100
260 24.2 19.2 28.8
265 20.7 17.5 26.3



#87
Benzo(b)fluoranthene
Concen: 4.85 ng
RT: 15.03 min Scan# 2200
Delta R.T. 0.01 min
Lab File: BF099792.D
Acq: 24 Oct 2017 17:07

Tgt Ion:252 Resp: 48771
Ion Ratio Lower Upper
252 100
253 25.4 17.0 25.6
125 28.6 9.0 13.6#

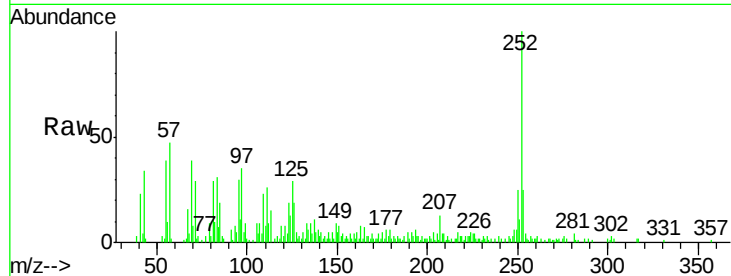




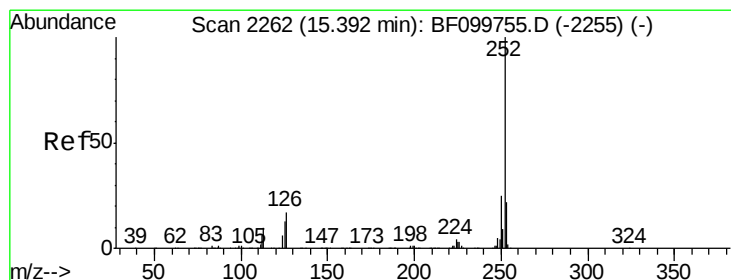
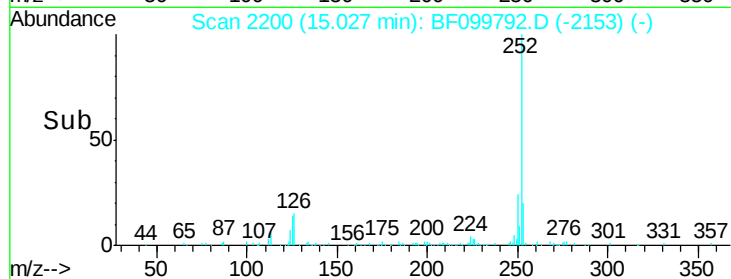
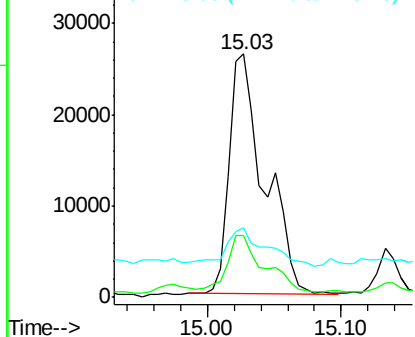
#88
Benzo(k)fluoranthene
Concen: 5.15 ng
RT: 15.03 min Scan# 2200
Delta R.T. -0.02 min
Lab File: BF099792.D
Acq: 24 Oct 2017 17:07

Instrument :
BNA_F
ClientSampleId :

Tot Ion:252 Resp: 48771
Ion Ratio Lower Upper
252 100
253 25.4 17.9 26.9
125 28.6 10.2 15.2#

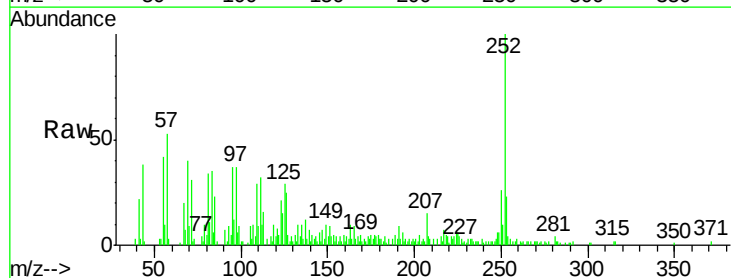


Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E



#89
Benzo(a)pyrene
Concen: 2.90 ng
RT: 15.39 min Scan# 2262
Delta R.T. -0.00 min
Lab File: BF099792.D
Acq: 24 Oct 2017 17:07

Tgt Ion:252 Resp: 26144
Ion Ratio Lower Upper
252 100
253 23.1 17.1 25.7
125 29.1 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

