

Data Path : Z:\HPCHEM1\BNA F\DATA\BF101817\
 Data File : BF099641.D
 Acq On : 19 Oct 2017 2:19
 Operator : SJ/JU
 Sample : I5896-01
 Misc :
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Oct 19 16:20:41 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF092317.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Oct 18 22:24:53 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.83	152	81405	20.00	ng	0.00
21) Naphthalene-d8	8.11	136	283452	20.00	ng	0.00
38) Acenaphthene-d10	9.86	164	100774	20.00	ng	0.00
63) Phenanthrene-d10	11.35	188	175100	20.00	ng	0.00
75) Chrysene-d12	14.00	240	177941	20.00	ng	0.00
86) Perylene-d12	15.46	264	136311	20.00	ng	0.00

System Monitoring Compounds

5) 2-Fluorophenol	5.46	112	439558	85.96	ng	0.00
7) Phenol-d6	6.47	99	487200	77.23	ng	-0.01
23) Nitrobenzene-d5	7.39	82	269880	61.06	ng	0.00
41) 2,4,6-Tribromophenol	10.66	330	70949	86.04	ng	0.00
44) 2-Fluorobiphenyl	9.18	172	442149	73.25	ng	0.00
78) Terphenyl-d14	12.93	244	369593	47.24	ng	0.00

Target Compounds

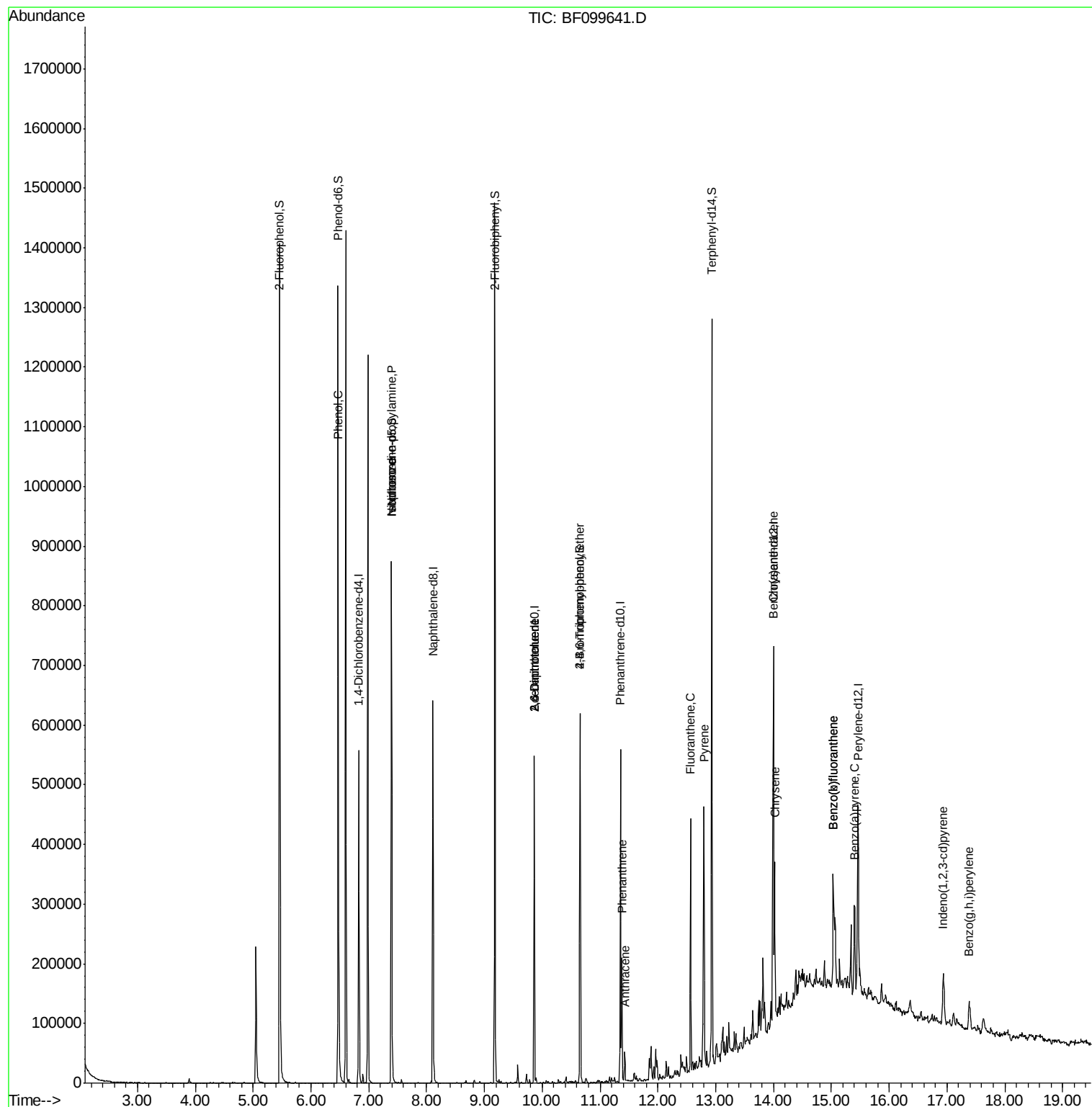
						Qvalue
10) Phenol	6.48	94	23030	3.264	ng	89
19) n-Nitroso-di-n-propylamine	7.39	70	33990	8.439	ng	# 73
25) Isophorone	7.39	82	269878	29.533	ng	# 64
50) 2,6-Dinitrotoluene	9.86	165	13205	7.975	ng	# 25
56) 2,4-Dinitrotoluene	9.86	165	13205	6.145	ng	# 23
66) 4-Bromophenyl-phenylether	10.65	248	4711	2.749	ng	# 1
70) Phenanthrene	11.37	178	71477	7.626	ng	98
71) Anthracene	11.43	178	20476	2.135	ng	98
74) Fluoranthene	12.57	202	169504	17.860	ng	97
77) Pyrene	12.80	202	168183	12.395	ng	97
80) Benzo(a)anthracene	13.99	228	97411	9.041	ng	99
82) Chrysene	14.02	228	88815	8.658	ng	98
85) Indeno(1,2,3-cd)pyrene	16.94	276	37521	4.572	ng	98
87) Benzo(b)fluoranthene	15.03	252	140382	16.750	ng	# 95
88) Benzo(k)fluoranthene	15.03	252	140382	16.959	ng	# 97
89) Benzo(a)pyrene	15.40	252	70509	9.165	ng	97
91) Benzo(a,h,i)perylene	17.39	276	37536	6.168	ng	95

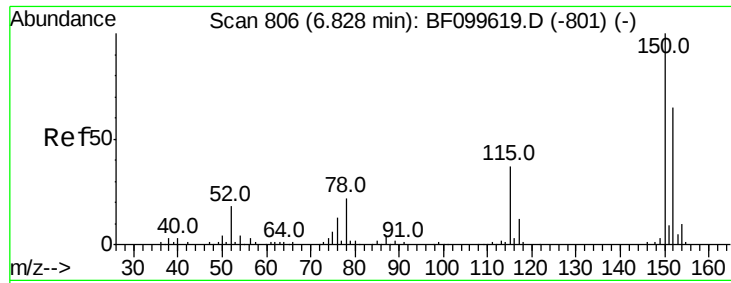
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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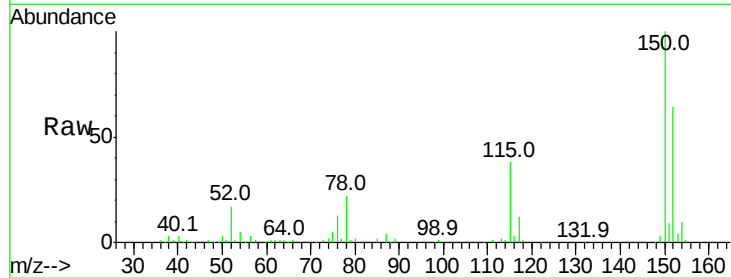


#1

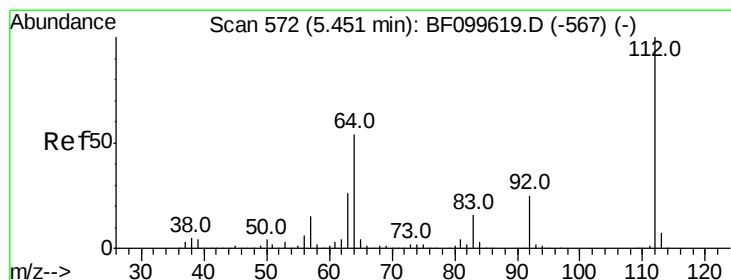
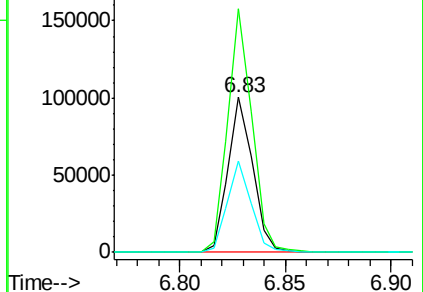
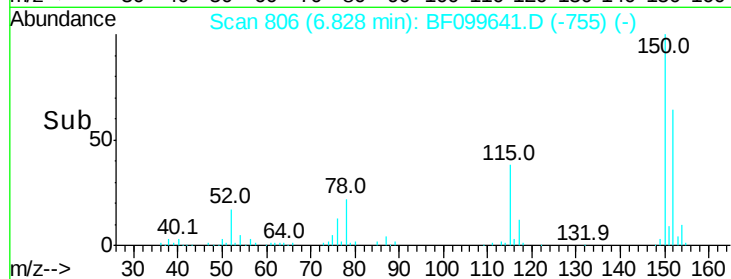
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.83 min Scan# 806
Delta R.T. 0.00 min
Lab File: BF099641.D
Acq: 19 Oct 2017 2:19

Instrument :
BNA_F
ClientSampled :

Tot Ion:152 Resp: 81405
Ion Ratio Lower Upper
152 100
150 157.2 124.6 186.8
115 59.2 50.1 75.1



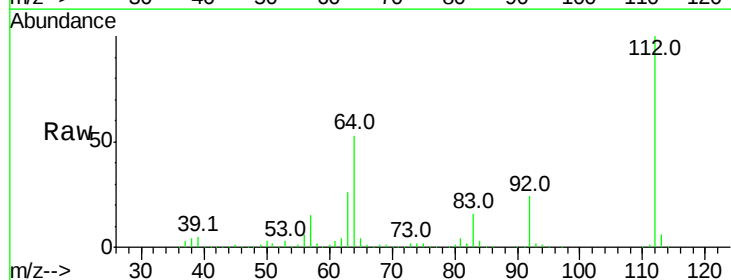
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



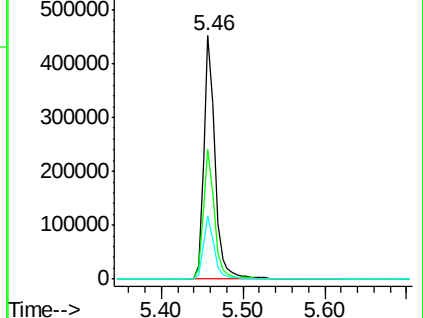
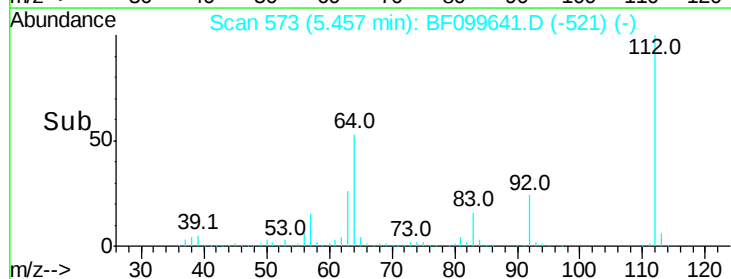
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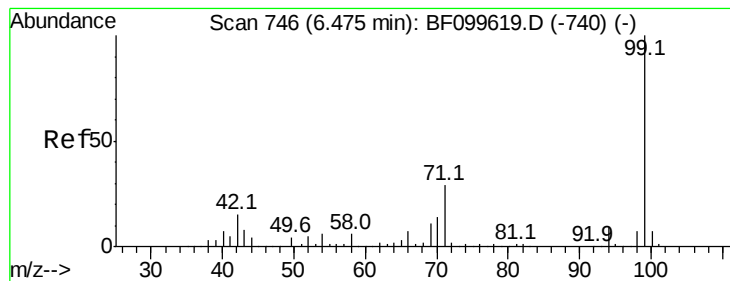
2-Fluorophenol
Concen: 85.957 ng
RT: 5.46 min Scan# 573
Delta R.T. 0.01 min
Lab File: BF099641.D
Acq: 19 Oct 2017 2:19

Tgt Ion:112 Resp: 439558
Ion Ratio Lower Upper
112 100
64 53.2 47.9 71.9
63 25.7 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: 77.231 ng

RT: 6.47 min Scan# 745

Delta R.T. -0.01 min

Lab File: BF099641.D

Acq: 19 Oct 2017 2:19

Instrument :

BNA_F

ClientSampleId :

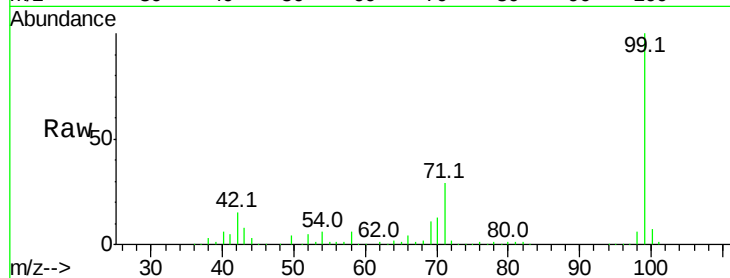
Tot Ion: 99 Resp: 487200

Ion Ratio Lower Upper

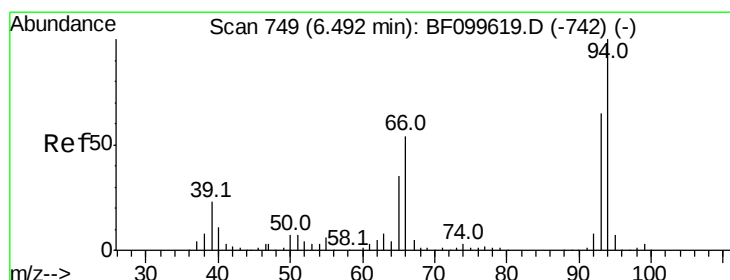
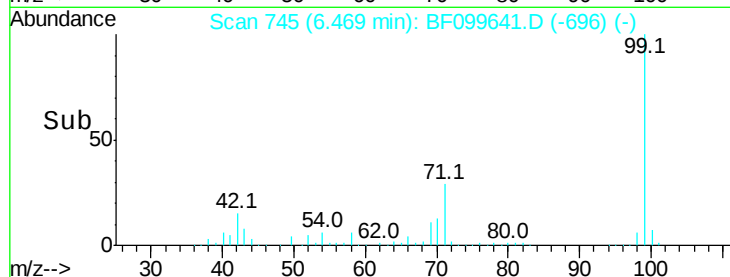
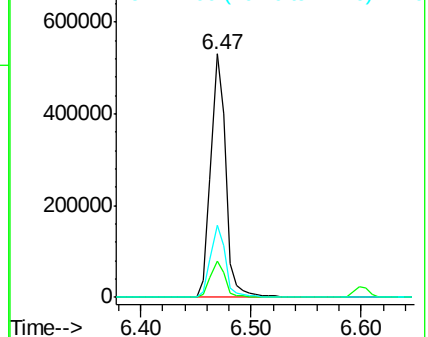
99 100

42 15.0 14.5 21.7

71 29.4 25.4 38.0



Abundance Ion 99.00 (98.70 to 99.70): BF0
Ion 42.00 (41.70 to 42.70): BF0
Ion 71.00 (70.70 to 71.70): BF0



#10

Phenol

Concen: 3.264 ng

RT: 6.48 min Scan# 747

Delta R.T. -0.01 min

Lab File: BF099641.D

Acq: 19 Oct 2017 2:19

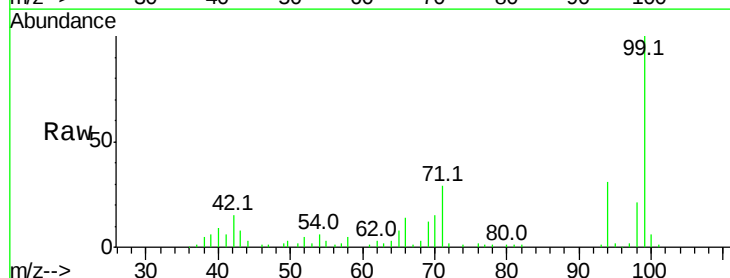
Tgt Ion: 94 Resp: 23030

Ion Ratio Lower Upper

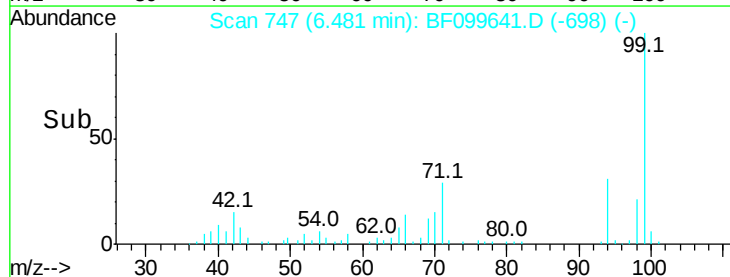
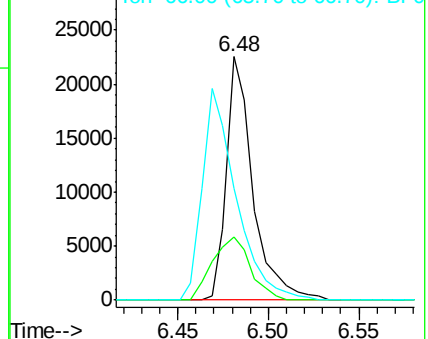
94 100

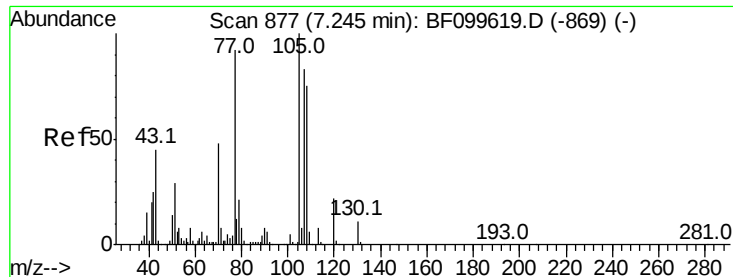
65 25.8 7.9 47.9

66 46.0 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: 8.439 ng

RT: 7.39 min Scan# 902

Delta R.T. 0.15 min

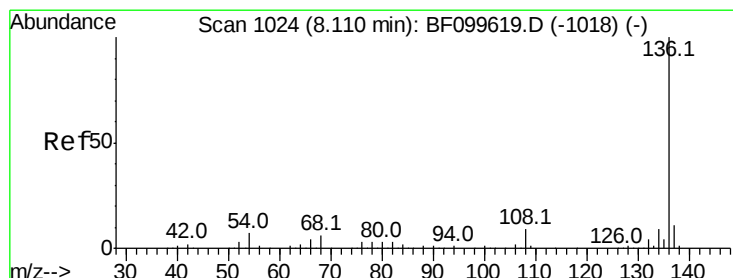
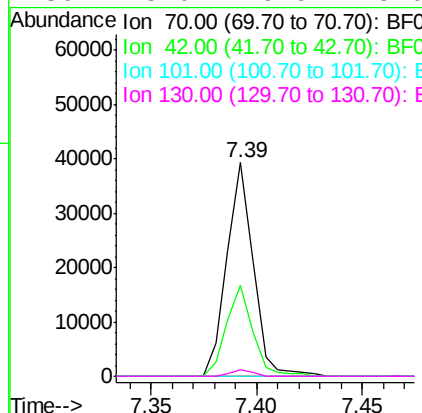
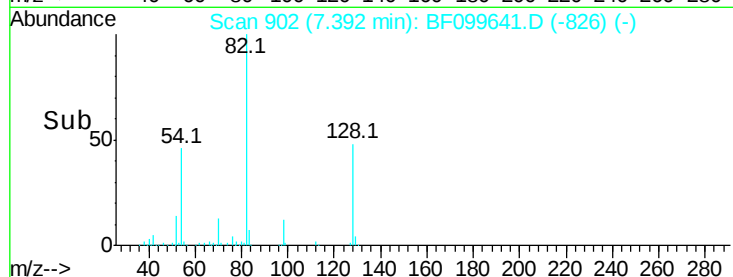
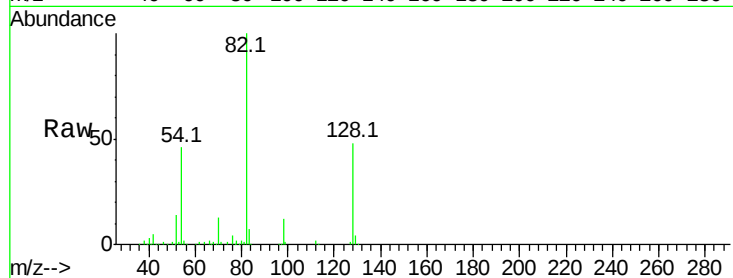
Lab File: BF099641.D

Acq: 19 Oct 2017 2:19

Instrument :
BNA_F
ClientSampleId :

Tot Ion: 70 Resp: 33990

Ion	Ratio	Lower	Upper
70	100		
42	42.4	47.5	71.3#
101	0.0	7.4	11.2#
130	3.0	16.6	25.0#



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.11 min Scan# 1024

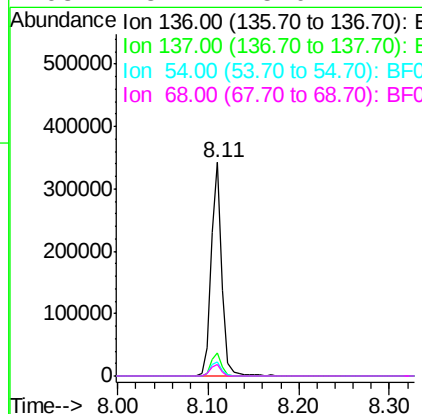
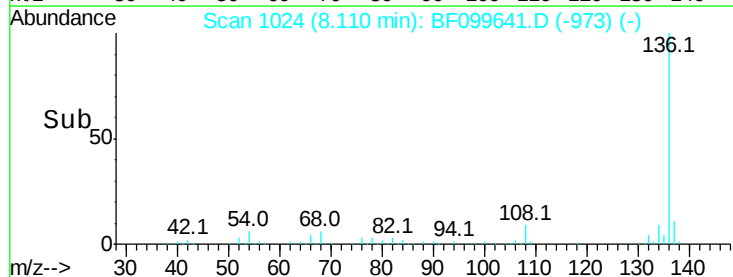
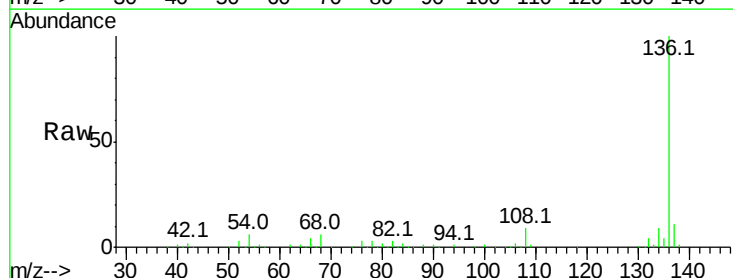
Delta R.T. 0.00 min

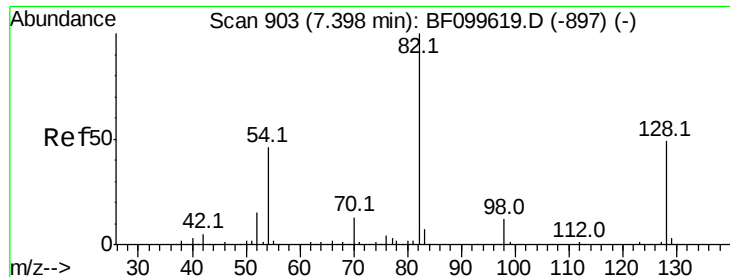
Lab File: BF099641.D

Acq: 19 Oct 2017 2:19

Tgt Ion: 136 Resp: 283452

Ion	Ratio	Lower	Upper
136	100		
137	10.9	8.9	13.3
54	6.4	6.6	9.8#
68	5.7	5.0	7.4

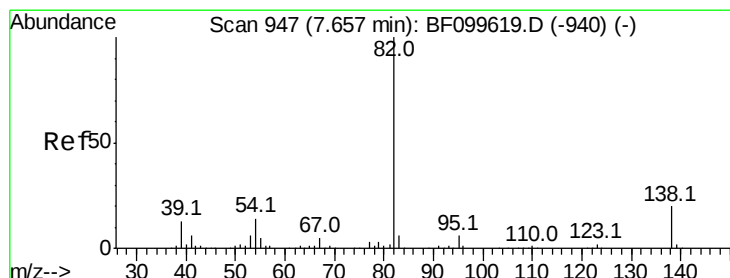
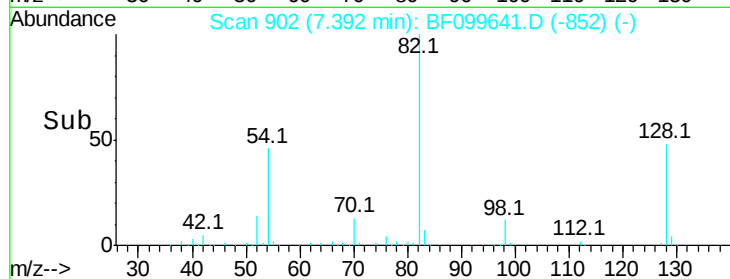
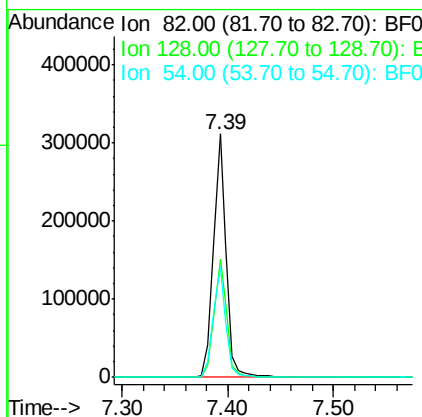
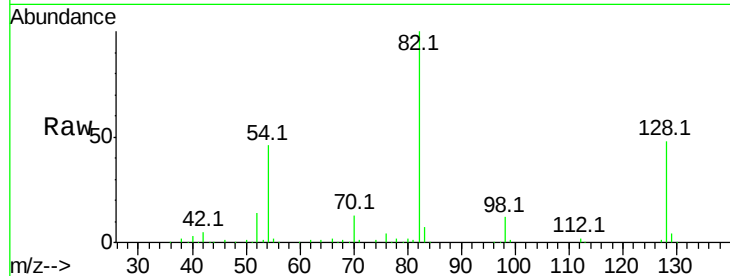




#23
Nitrobenzene-d5
Concen: 61.060 ng
RT: 7.39 min Scan# 902
Delta R.T. -0.01 min
Lab File: BF099641.D
Acq: 19 Oct 2017 2:19

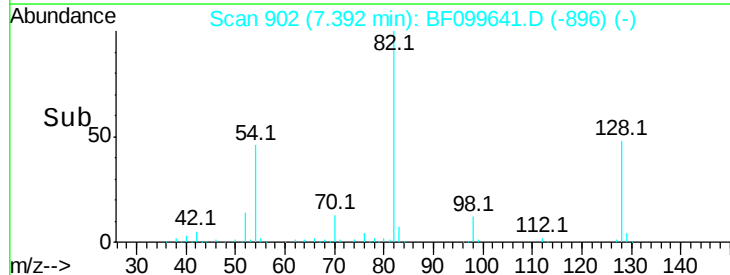
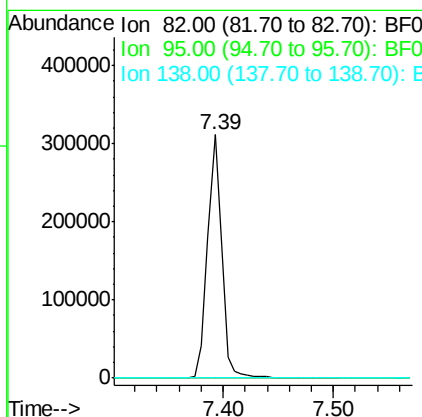
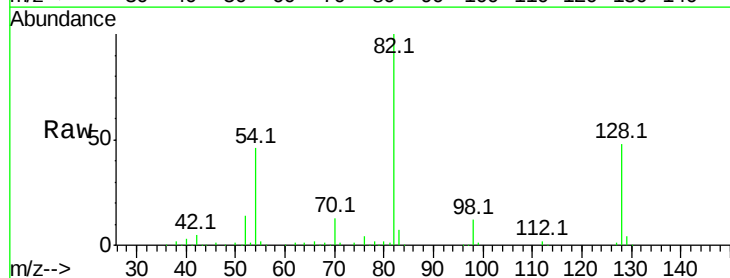
Instrument :
BNA_F
ClientSampled :

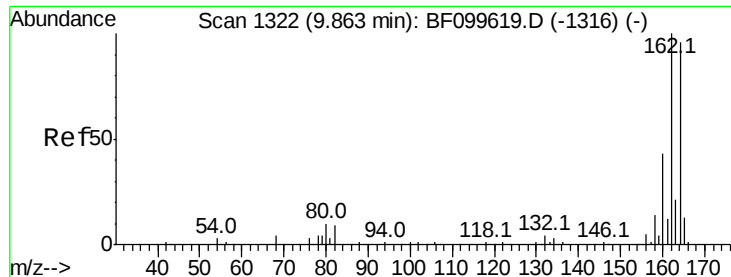
Tot Ion	Ratio	Lower	Upper
82	100		
128	48.5	36.1	54.1
54	45.6	41.4	62.2



#25
Isophorone
Concen: 29.533 ng
RT: 7.39 min Scan# 902
Delta R.T. -0.26 min
Lab File: BF099641.D
Acq: 19 Oct 2017 2:19

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

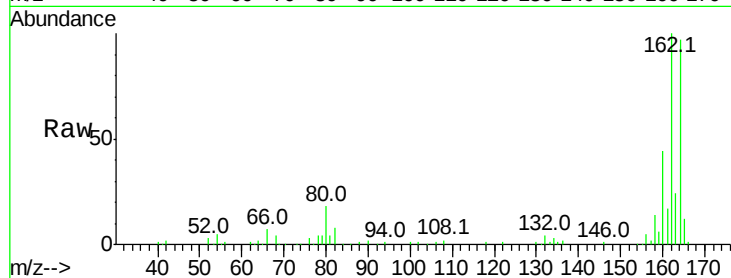




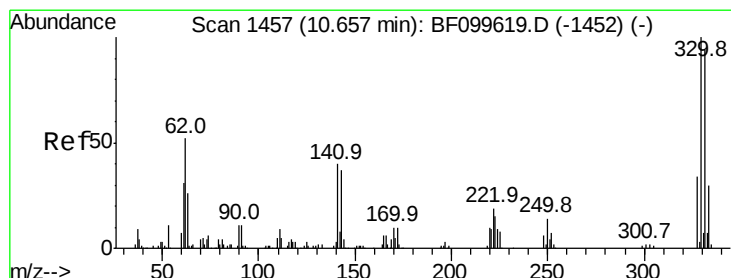
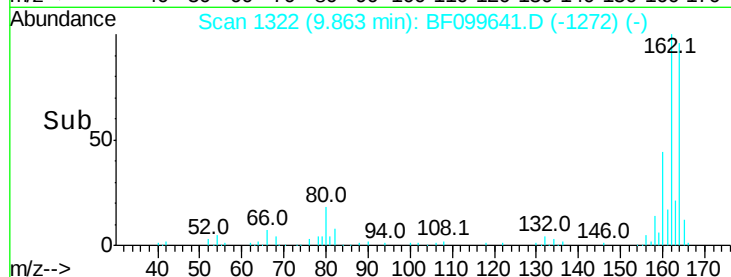
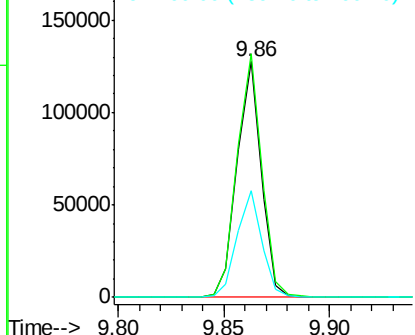
#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.86 min Scan# 1322
Delta R.T. -0.01 min
Lab File: BF099641.D
Acq: 19 Oct 2017 2:19

Instrument :
BNA_F
ClientSampleId :

Tot Ion:164 Resp: 100774
Ion Ratio Lower Upper
164 100
162 103.5 86.1 129.1
160 45.5 38.3 57.5

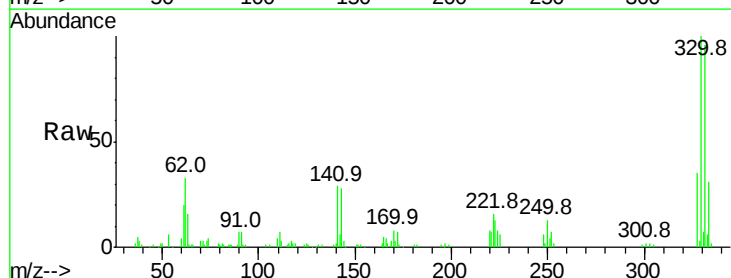


Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

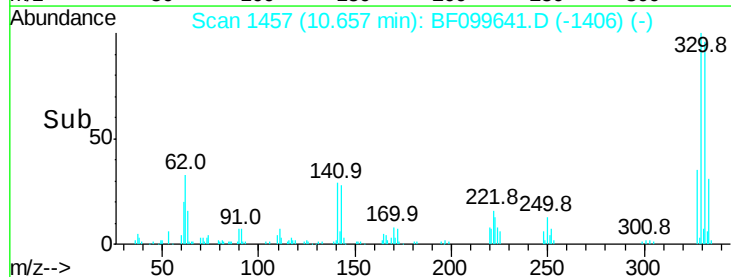
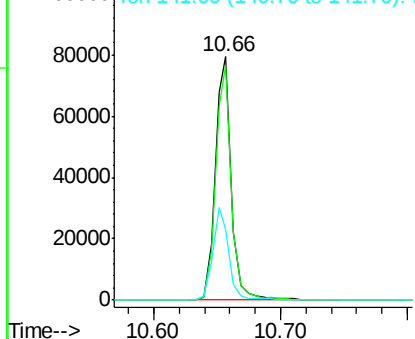


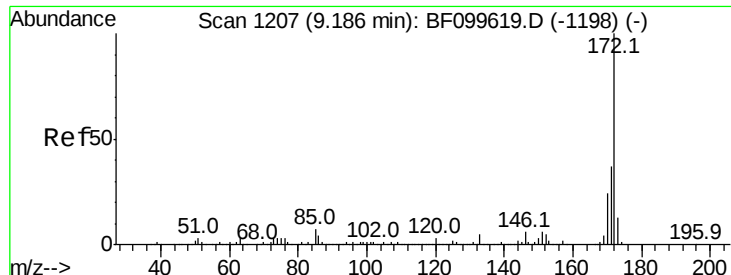
#41
2,4,6-Tribromophenol
Concen: 86.040 ng
RT: 10.66 min Scan# 1457
Delta R.T. 0.00 min
Lab File: BF099641.D
Acq: 19 Oct 2017 2:19

Tgt Ion:330 Resp: 70949
Ion Ratio Lower Upper
330 100
332 94.4 77.0 115.6
141 38.0 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

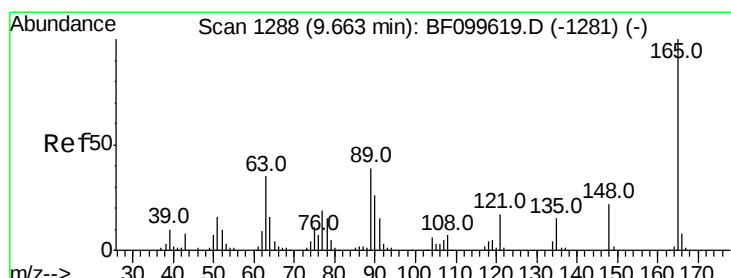
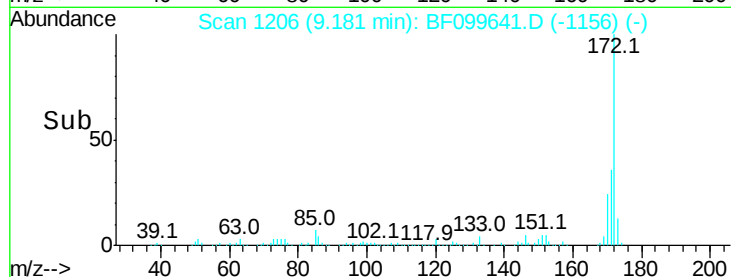
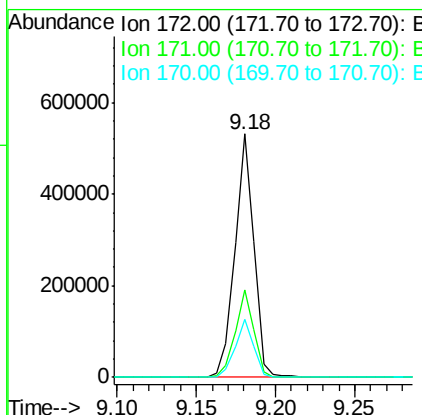
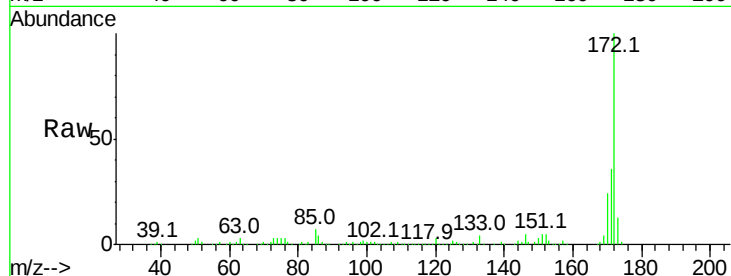




#44
 2-Fluorobiphenyl
 Concen: 73.246 ng
 RT: 9.18 min Scan# 1206
 Delta R.T. -0.01 min
 Lab File: BF099641.D
 Acq: 19 Oct 2017 2:19

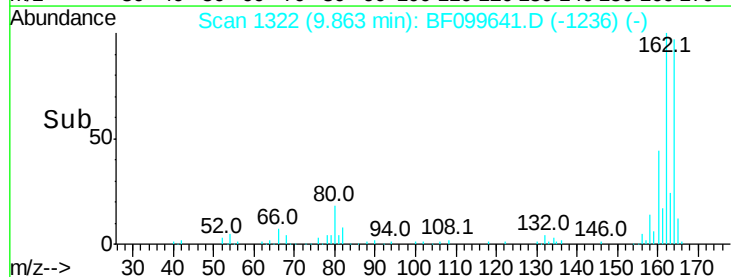
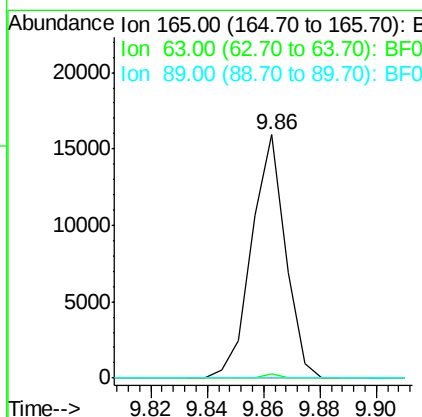
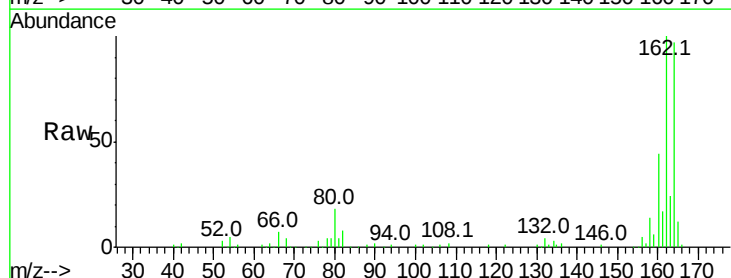
Instrument :
 BNA_F
 ClientSampleId :

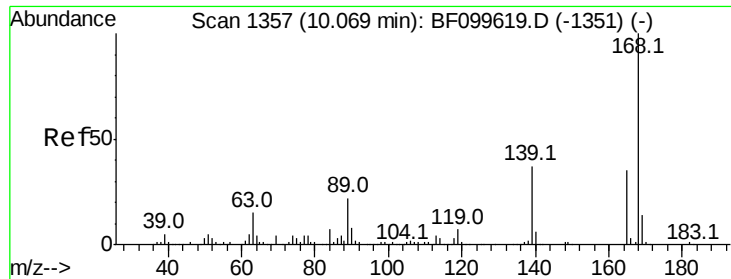
Tot Ion:172 Resp: 442149
 Ion Ratio Lower Upper
 172 100
 171 35.7 29.7 44.5
 170 23.9 19.6 29.4



#50
 2,6-Dinitrotoluene
 Concen: 7.975 ng
 RT: 9.86 min Scan# 1322
 Delta R.T. 0.21 min
 Lab File: BF099641.D
 Acq: 19 Oct 2017 2:19

Tgt Ion:165 Resp: 13205
 Ion Ratio Lower Upper
 165 100
 63 1.9 44.7 67.1#
 89 0.0 44.0 66.0#

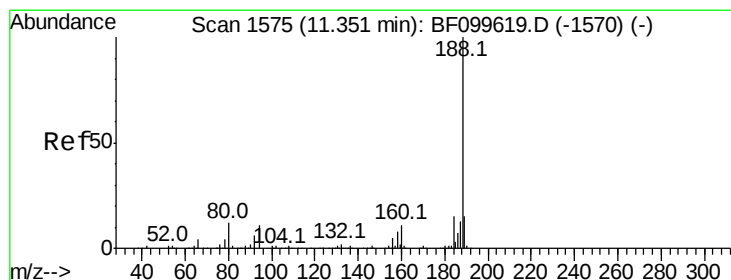
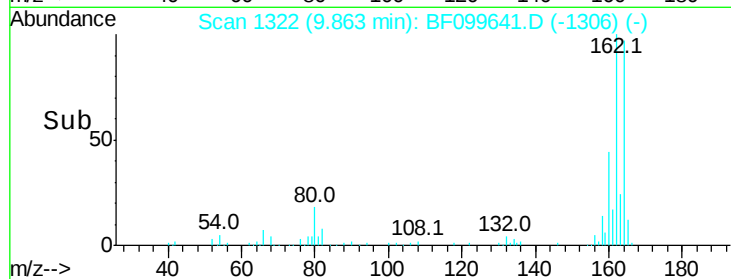
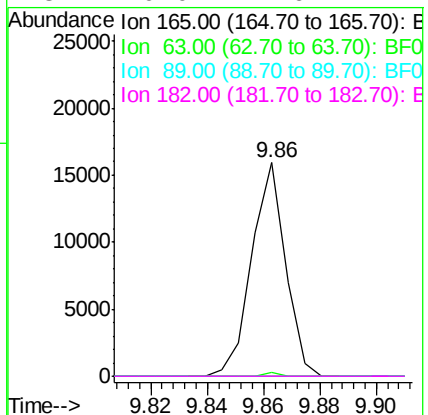
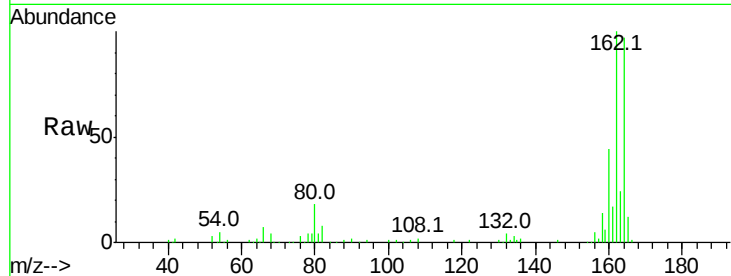




#56
 2,4-Dinitrotoluene
 Concen: 6.145 ng
 RT: 9.86 min Scan# 1322
 Delta R.T. -0.21 min
 Lab File: BF099641.D
 Acq: 19 Oct 2017 2:19

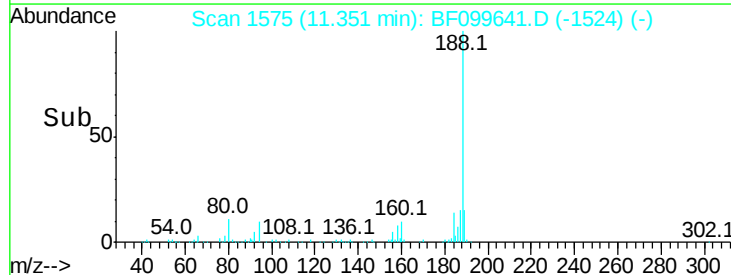
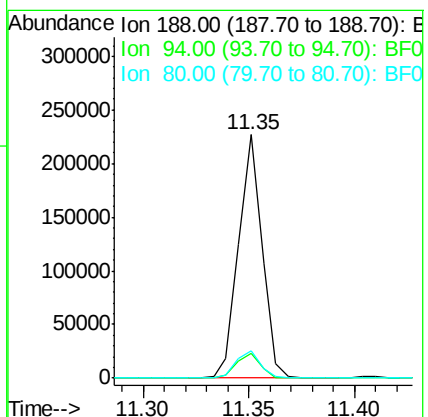
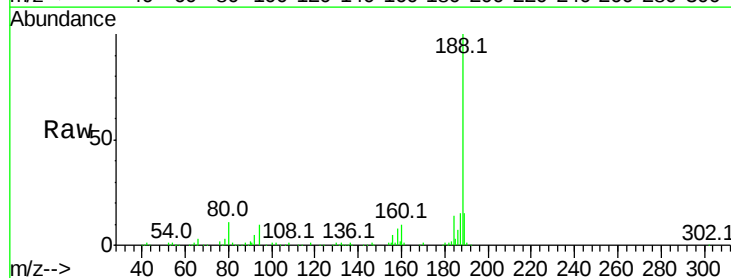
Instrument :
 BNA_F
 ClientSampleId :

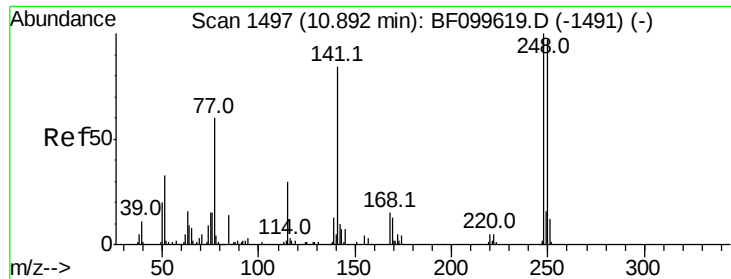
Tot Ion:	165	Resp:	13205
Ion Ratio	Lower	Upper	
165	100		
63	1.9	36.4	54.6#
89	0.0	57.8	86.6#
182	0.0	1.6	2.4#



#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.35 min Scan# 1575
 Delta R.T. 0.00 min
 Lab File: BF099641.D
 Acq: 19 Oct 2017 2:19

Tgt Ion:	188	Resp:	175100
Ion Ratio	Lower	Upper	
188	100		
94	10.0	8.5	12.7
80	11.0	9.2	13.8

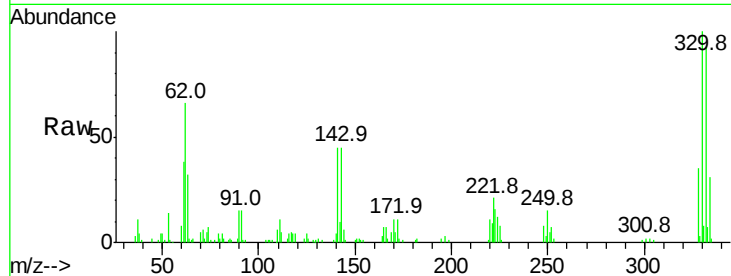




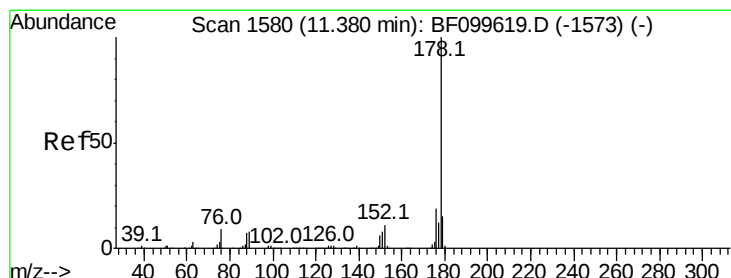
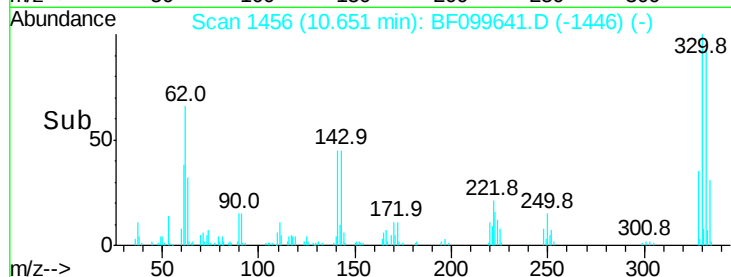
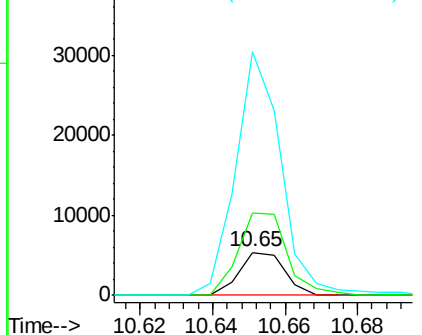
#66
 4-Bromophenyl-phenylether
 Concen: 2.749 ng
 RT: 10.65 min Scan# 1456
 Delta R.T. -0.24 min
 Lab File: BF099641.D
 Acq: 19 Oct 2017 2:19

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:248 Resp: 4711
 Ion Ratio Lower Upper
 248 100
 250 192.2 76.9 115.3#
 141 566.5 74.4 111.6#

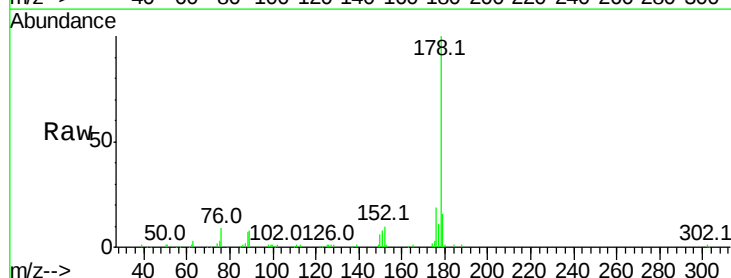


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

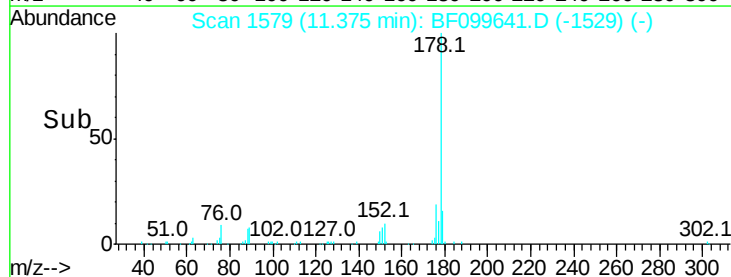
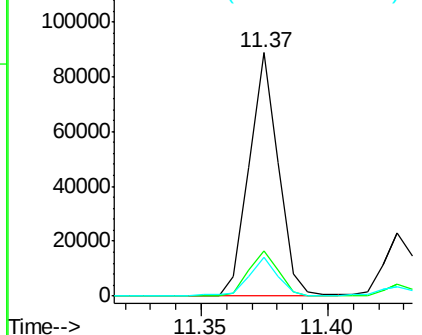


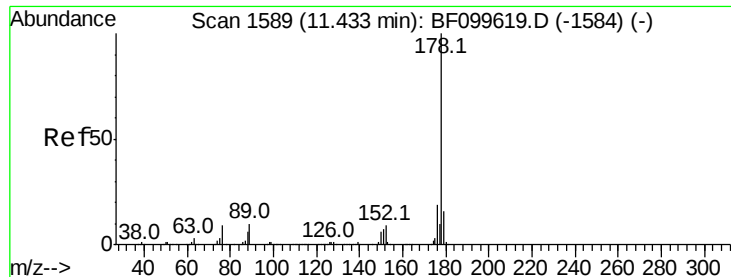
#70
 Phenanthrene
 Concen: 7.626 ng
 RT: 11.37 min Scan# 1579
 Delta R.T. -0.01 min
 Lab File: BF099641.D
 Acq: 19 Oct 2017 2:19

Tgt Ion:178 Resp: 71477
 Ion Ratio Lower Upper
 178 100
 176 18.6 15.8 23.8
 179 16.0 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

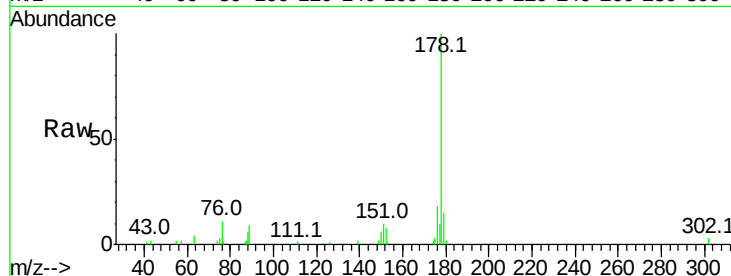




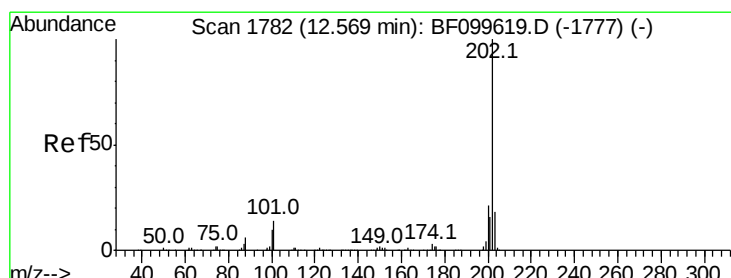
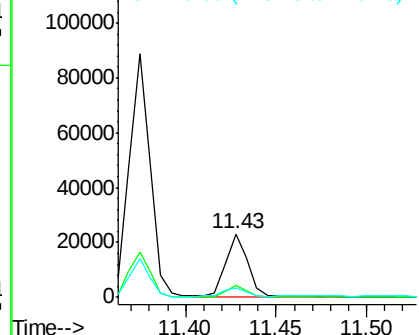
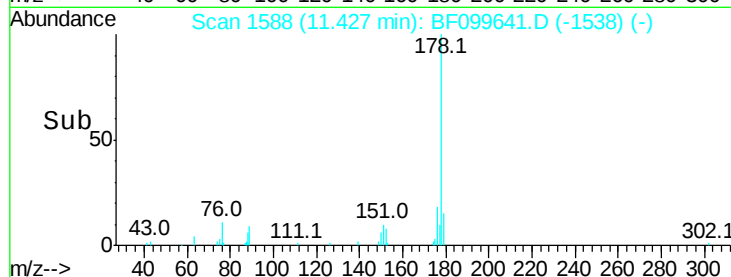
#71
 Anthracene
 Concen: 2.135 ng
 RT: 11.43 min Scan# 1588
 Delta R.T. -0.01 min
 Lab File: BF099641.D
 Acq: 19 Oct 2017 2:19

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
178	100		
176	18.0	15.4	23.2
179	15.4	12.6	19.0

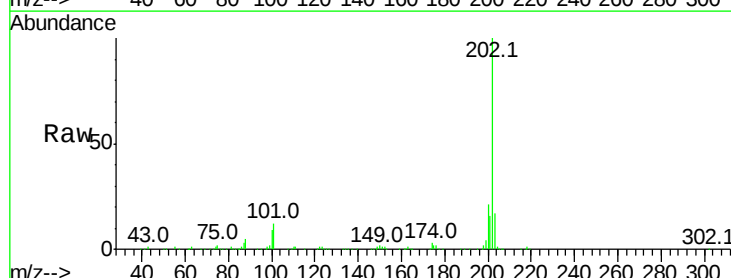


Abundance Ion 178.00 (177.70 to 178.70): E
 Ion 176.00 (175.70 to 176.70): E
 Ion 179.00 (178.70 to 179.70): E

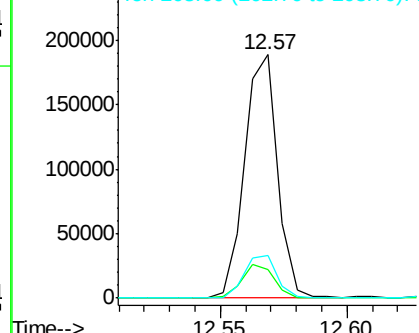
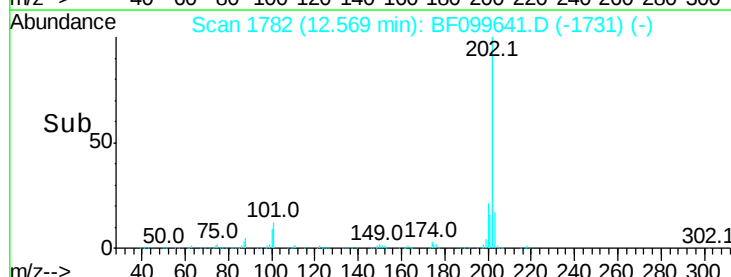


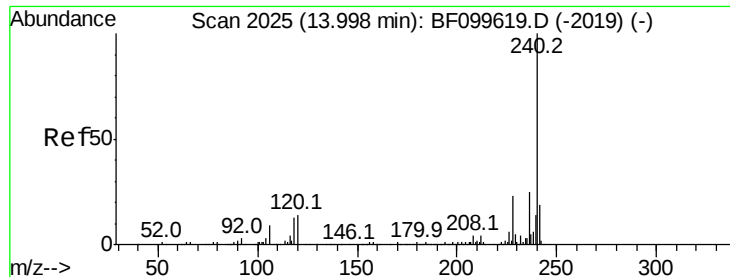
#74
 Fluoranthene
 Concen: 17.860 ng
 RT: 12.57 min Scan# 1782
 Delta R.T. 0.00 min
 Lab File: BF099641.D
 Acq: 19 Oct 2017 2:19

Tgt Ion	Ratio	Lower	Upper
202	100		
101	11.9	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: 14.00 min Scan# 2025

Delta R.T. 0.00 min

Lab File: BF099641.D

Acq: 19 Oct 2017 2:19

Instrument :

BNA_F

ClientSampleId :

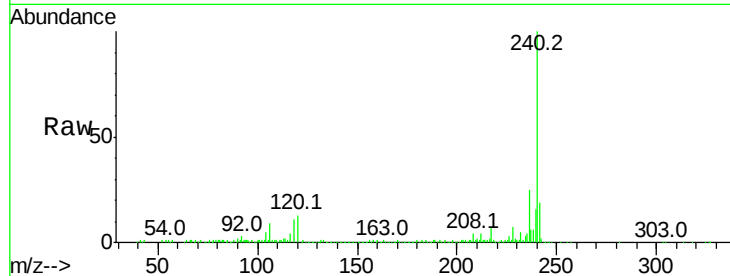
Tot Ion:240 Resp: 177941

Ion Ratio Lower Upper

240 100

120 12.6 9.5 14.3

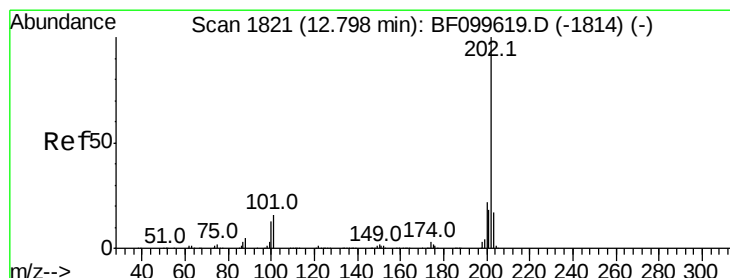
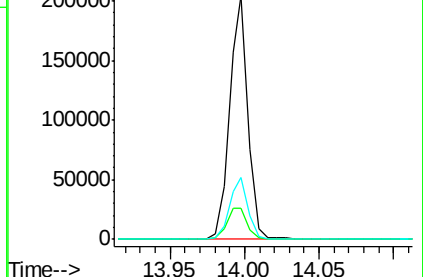
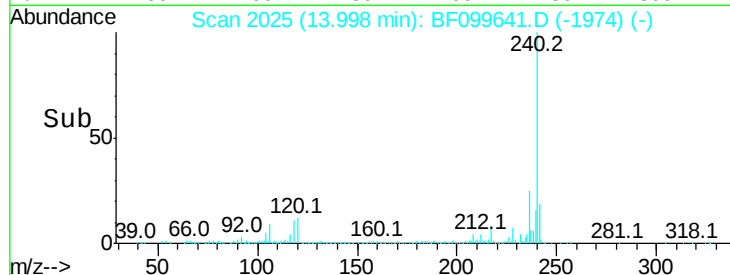
236 25.2 20.7 31.1



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: 12.395 ng

RT: 12.80 min Scan# 1821

Delta R.T. 0.00 min

Lab File: BF099641.D

Acq: 19 Oct 2017 2:19

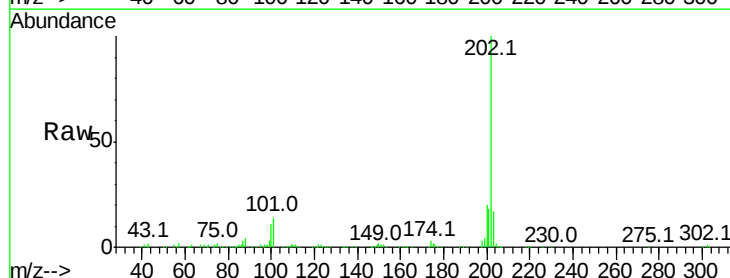
Tgt Ion:202 Resp: 168183

Ion Ratio Lower Upper

202 100

200 19.9 17.4 26.2

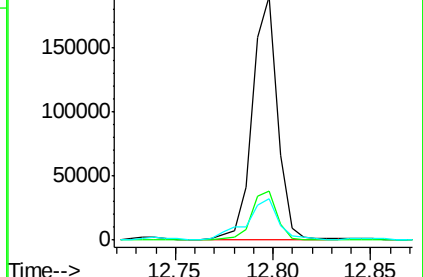
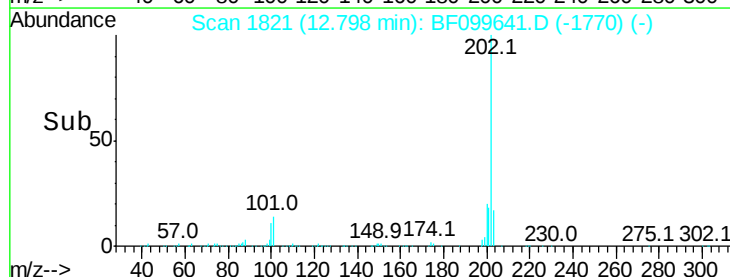
203 17.2 14.3 21.5

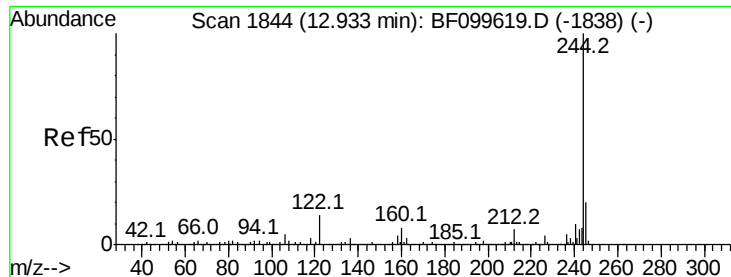


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#78

Terphenyl-d14

Concen: 47.236 ng

RT: 12.93 min Scan# 1844

Delta R.T. 0.00 min

Lab File: BF099641.D

Acq: 19 Oct 2017 2:19

Instrument :

BNA_F

ClientSampleId :

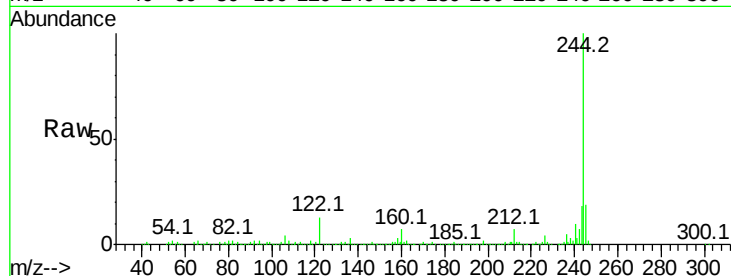
Tot Ion:244 Resp: 369593

Ion Ratio Lower Upper

244 100

212 6.6 5.4 8.0

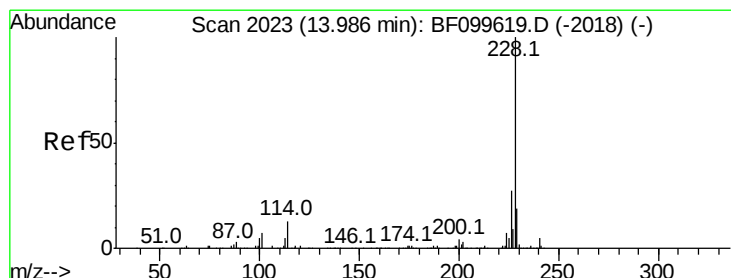
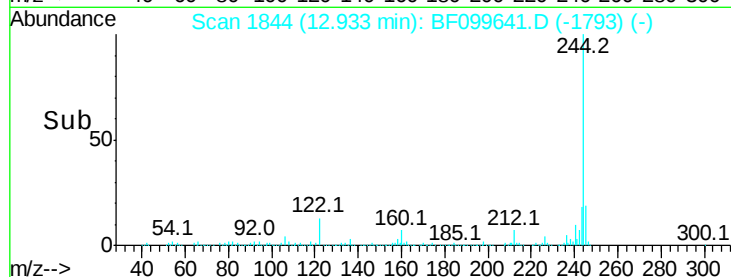
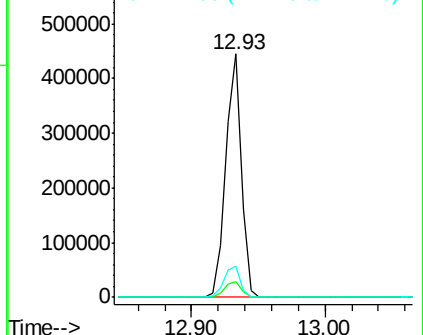
122 12.6 11.0 16.4



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: 9.041 ng

RT: 13.99 min Scan# 2023

Delta R.T. 0.00 min

Lab File: BF099641.D

Acq: 19 Oct 2017 2:19

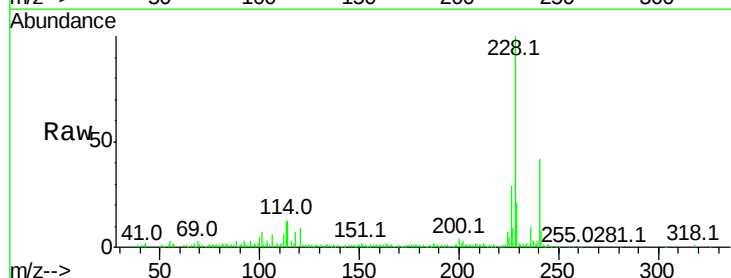
Tgt Ion:228 Resp: 97411

Ion Ratio Lower Upper

228 100

226 28.8 22.6 33.8

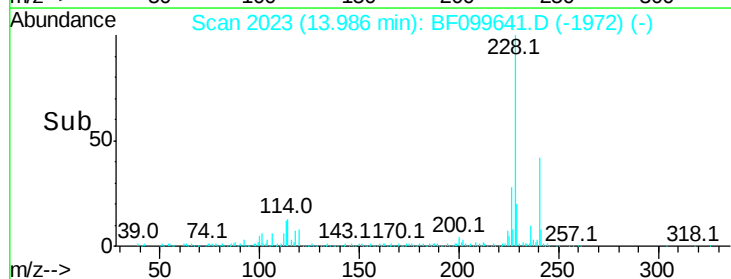
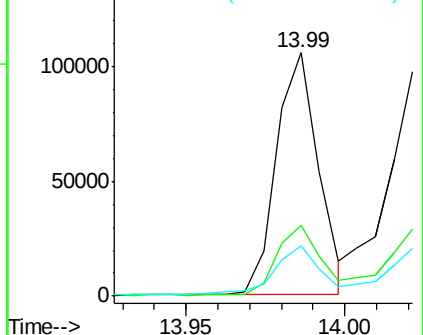
229 20.6 15.8 23.6

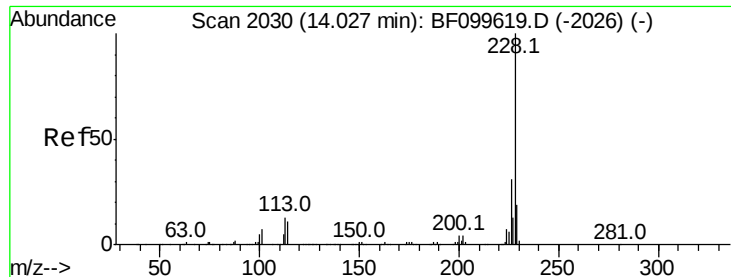


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#82

Chrysene

Concen: 8.658 ng

RT: 14.02 min Scan# 2029

Delta R.T. -0.01 min

Lab File: BF099641.D

Acq: 19 Oct 2017 2:19

Instrument :

BNA_F

ClientSampleId :

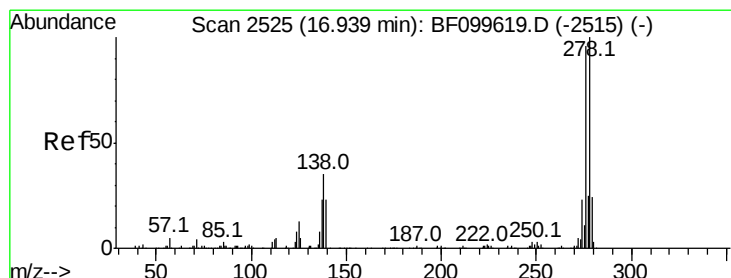
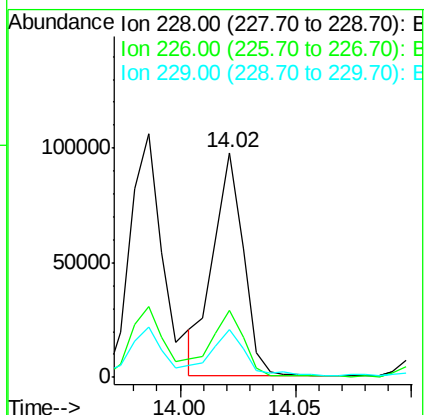
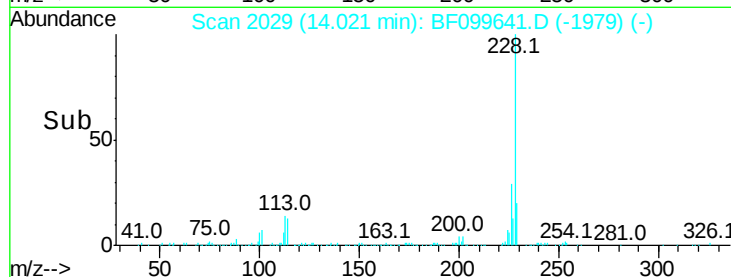
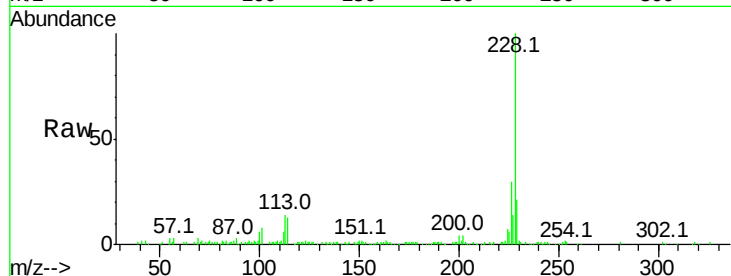
Tot Ion:228 Resp: 88815

Ion Ratio Lower Upper

228 100

226 30.0 25.0 37.6

229 21.2 16.2 24.4



#85

Indeno(1,2,3-cd)pyrene

Concen: 4.572 ng

RT: 16.94 min Scan# 2525

Delta R.T. 0.00 min

Lab File: BF099641.D

Acq: 19 Oct 2017 2:19

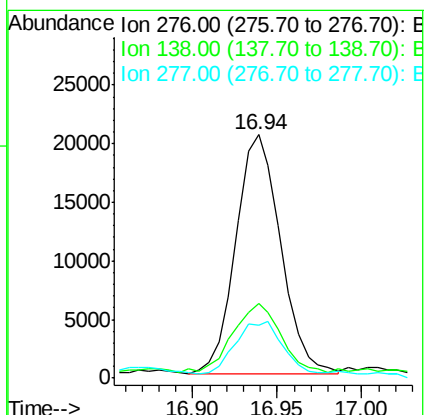
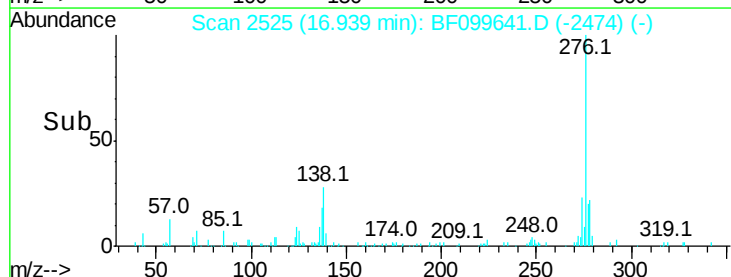
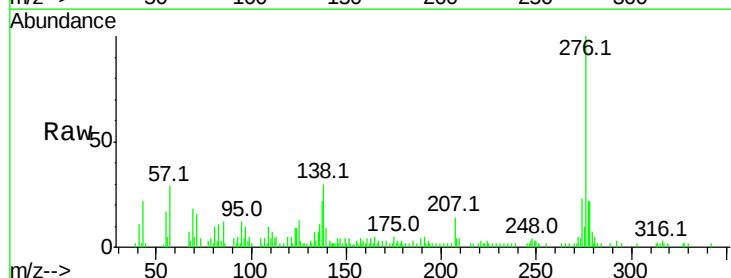
Tgt Ion:276 Resp: 37521

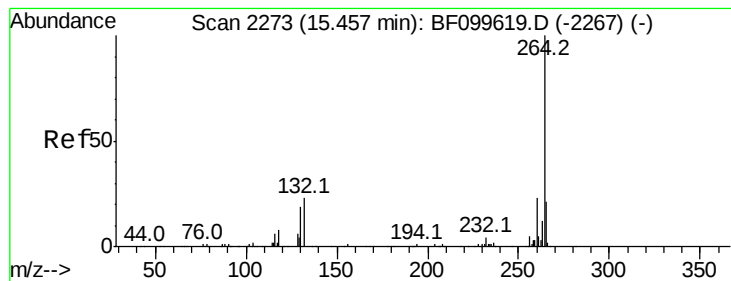
Ion Ratio Lower Upper

276 100

138 30.4 25.0 37.6

277 23.7 20.1 30.1





#86

Pervlene-d12

Concen: 20.000 ng

RT: 15.46 min Scan# 2274

Delta R.T. 0.01 min

Lab File: BF099641.D

Acq: 19 Oct 2017 2:19

Instrument :

BNA_F

ClientSampleId :

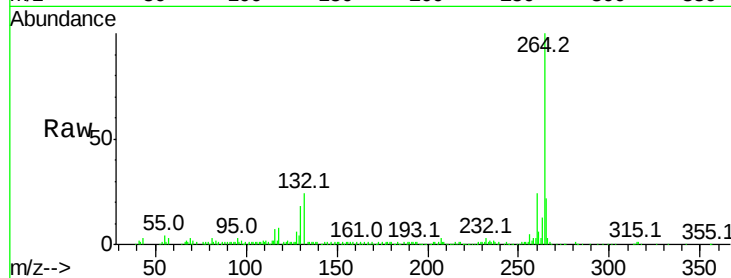
Tot Ion:264 Resp: 136311

Ion Ratio Lower Upper

264 100

260 23.7 19.2 28.8

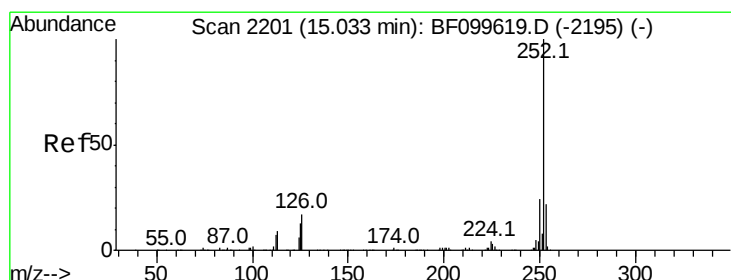
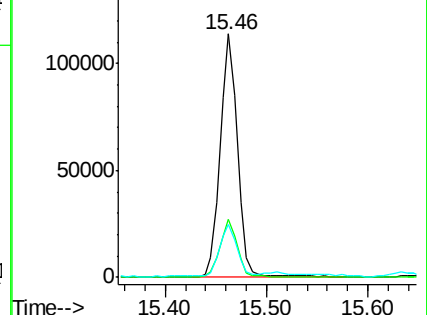
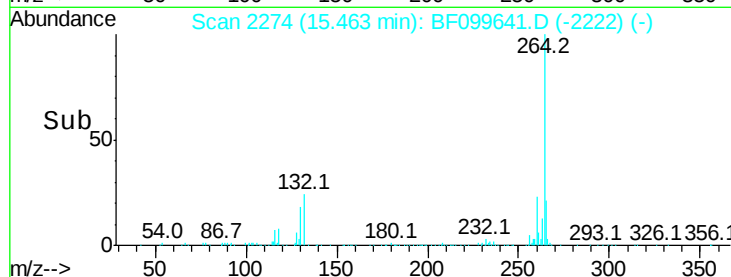
265 21.6 17.5 26.3



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: 16.750 ng

RT: 15.03 min Scan# 2201

Delta R.T. 0.00 min

Lab File: BF099641.D

Acq: 19 Oct 2017 2:19

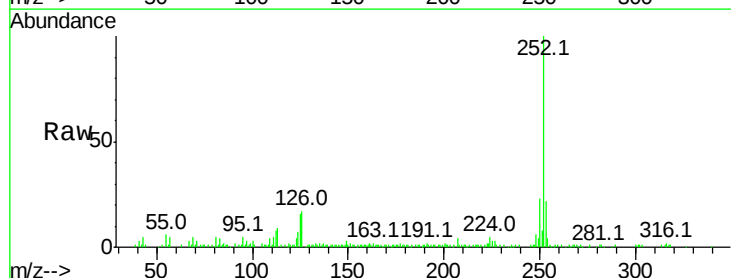
Tgt Ion:252 Resp: 140382

Ion Ratio Lower Upper

252 100

253 21.9 17.0 25.6

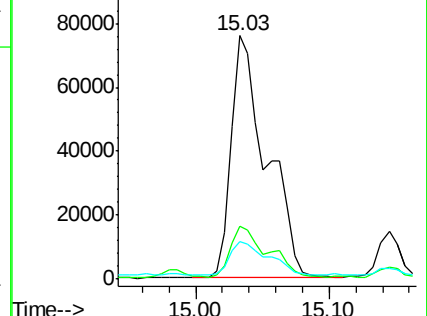
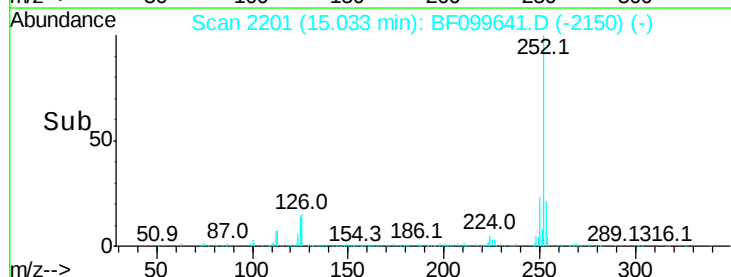
125 15.6 9.0 13.6#

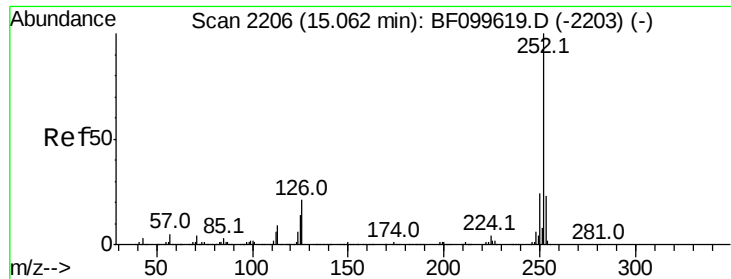


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

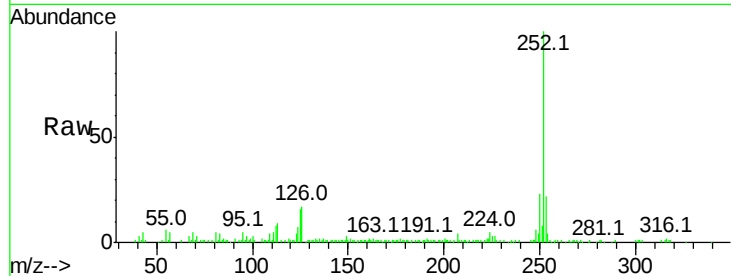




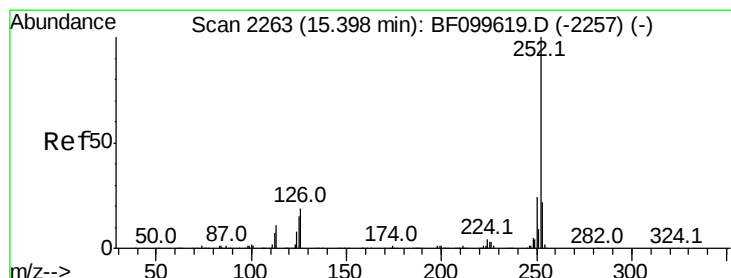
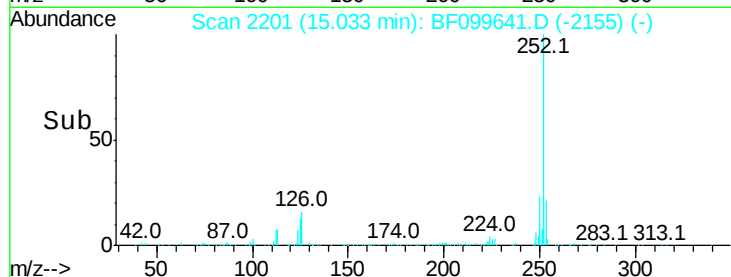
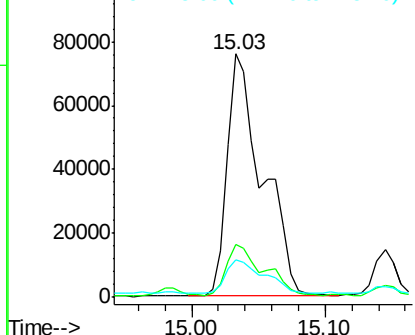
#88
Benzo(k)fluoranthene
Concen: 16.959 ng
RT: 15.03 min Scan# 2201
Delta R.T. -0.03 min
Lab File: BF099641.D
Acq: 19 Oct 2017 2:19

Instrument :
BNA_F
ClientSampleId :

Tot Ion:252 Resp: 140382
Ion Ratio Lower Upper
252 100
253 21.9 17.9 26.9
125 15.6 10.2 15.2#

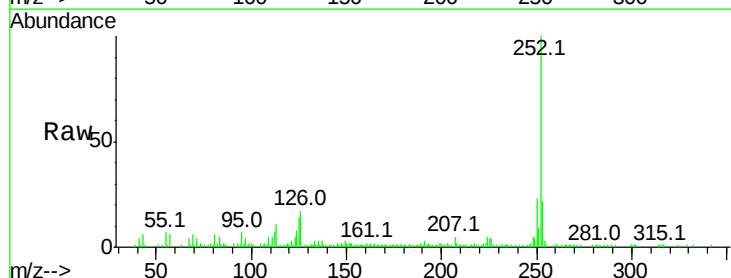


Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E

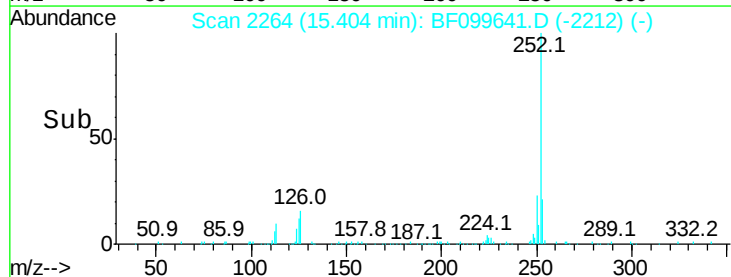
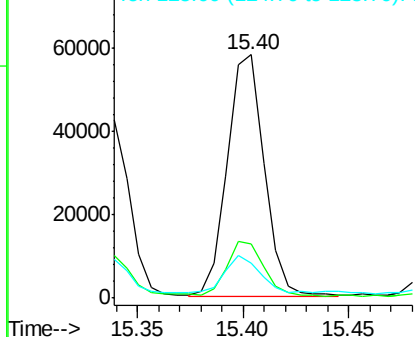


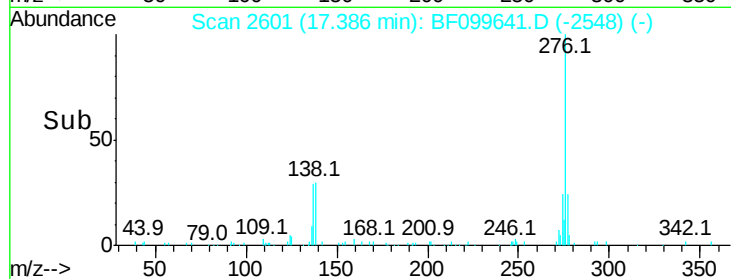
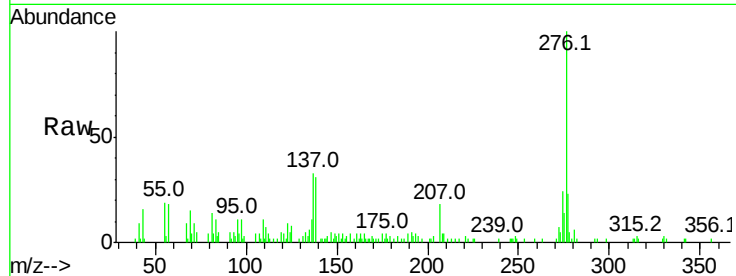
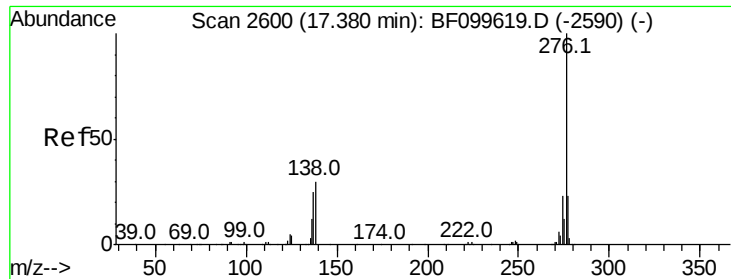
#89
Benzo(a)pyrene
Concen: 9.165 ng
RT: 15.40 min Scan# 2264
Delta R.T. 0.01 min
Lab File: BF099641.D
Acq: 19 Oct 2017 2:19

Tgt Ion:252 Resp: 70509
Ion Ratio Lower Upper
252 100
253 22.3 17.1 25.7
125 14.3 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: 6.168 ng

RT: 17.39 min Scan# 2601

Delta R.T. 0.01 min

Lab File: BF099641.D

Acq: 19 Oct 2017 2:19

Instrument :

BNA_F

ClientSampleId :

Tot Ion:276 Resp: 37536

Ion Ratio Lower Upper

276 100

277 23.1 17.9 26.9

138 31.3 21.8 32.8

