

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 :
 B-19(0-10)COMP

Quant Time: Oct 19 10:21:46 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF092317.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Oct 05 17:20:48 2017
 Response via : Initial Calibration

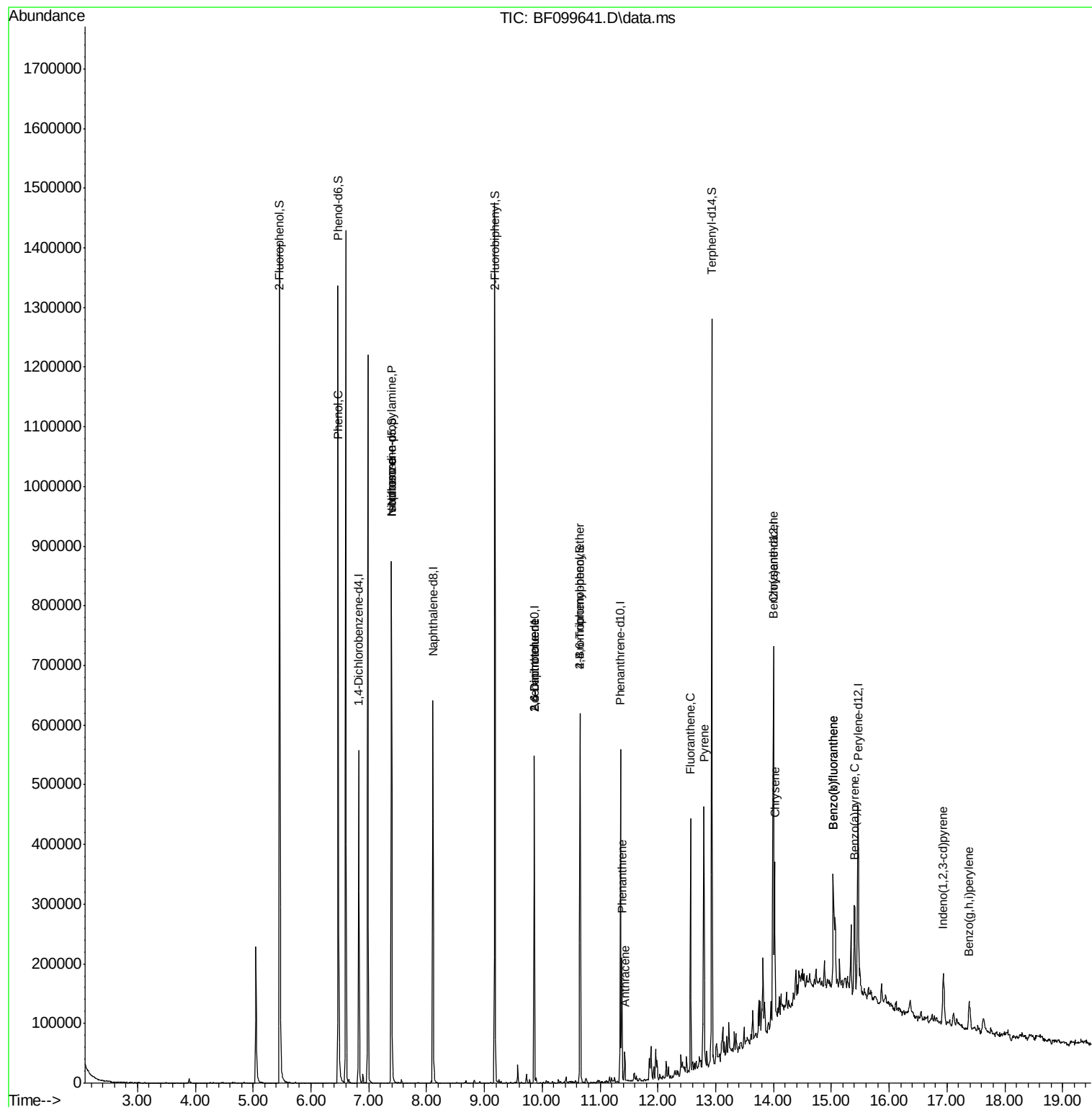
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.828	152	81405	20.00	ng	-0.04
21) Naphthalene-d8	8.110	136	283452	20.00	ng	-0.04
38) Acenaphthene-d10	9.863	164	100774	20.00	ng	-0.04
63) Phenanthrene-d10	11.351	188	175100	20.00	ng	-0.04
75) Chrysene-d12	13.998	240	177941	20.00	ng	-0.04
86) Perylene-d12	15.463	264	136311	20.00	ng	-0.04
System Monitoring Compounds						
5) 2-Fluorophenol	5.457	112	439558	85.96	ng	-0.02
7) Phenol-d6	6.469	99	487200	77.23	ng	-0.03
23) Nitrobenzene-d5	7.392	82	269880	61.06	ng	-0.04
41) 2,4,6-Tribromophenol	10.657	330	70949	86.04	ng	-0.04
44) 2-Fluorobiphenyl	9.181	172	442149	73.25	ng	-0.05
78) Terphenyl-d14	12.933	244	369593	47.24	ng	-0.04
Target Compounds						Qvalue
10) Phenol	6.481	94	23030	3.26	ng	89
19) n-Nitroso-di-n-propyla...	7.392	70	33990	8.44	ng	# 73
25) Isophorone	7.392	82	269878	29.53	ng	# 64
50) 2,6-Dinitrotoluene	9.863	165	13205	7.97	ng	# 25
56) 2,4-Dinitrotoluene	9.863	165	13205	6.14	ng	# 23
66) 4-Bromophenyl-phenylether	10.651	248	4711	2.75	ng	# 1
70) Phenanthrene	11.375	178	71477	7.63	ng	98
71) Anthracene	11.427	178	20476	2.14	ng	98
74) Fluoranthene	12.569	202	169504	17.86	ng	97
77) Pyrene	12.798	202	168183	12.39	ng	97
80) Benzo(a)anthracene	13.986	228	97411	9.04	ng	99
82) Chrysene	14.021	228	88815	8.66	ng	98
85) Indeno(1,2,3-cd)pyrene	16.939	276	37521	4.57	ng	98
87) Benzo(b)fluoranthene	15.033	252	140382	16.75	ng	# 95
88) Benzo(k)fluoranthene	15.033	252	140382	16.96	ng	# 97
89) Benzo(a)pyrene	15.404	252	70509	9.17	ng	97
91) Benzo(a,h,i)perylene	17.386	276	37536	6.17	ng	95

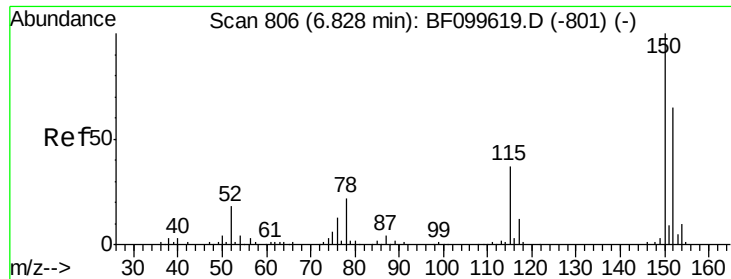
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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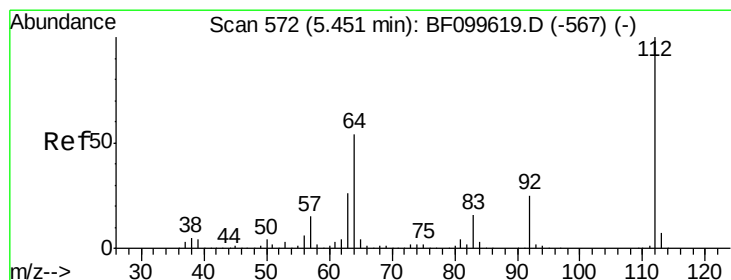
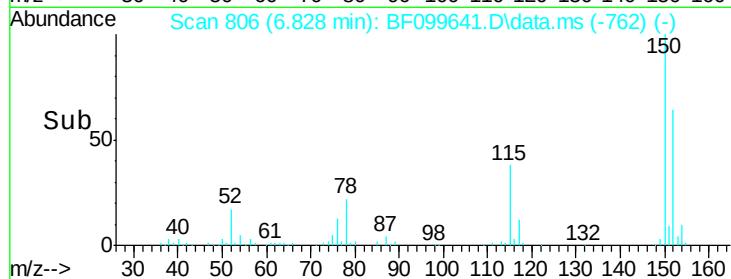
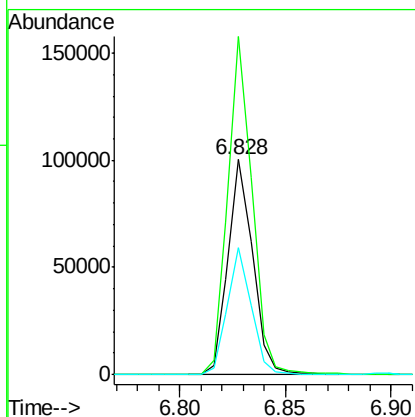
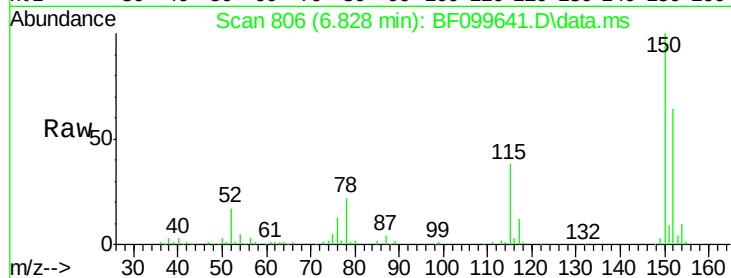




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.00 ng
 RT: 6.828 min Scan# 80
 Delta R.T. -0.041 min
 Lab File: BF099641.D
 Acq: 19 Oct 2017 2:19

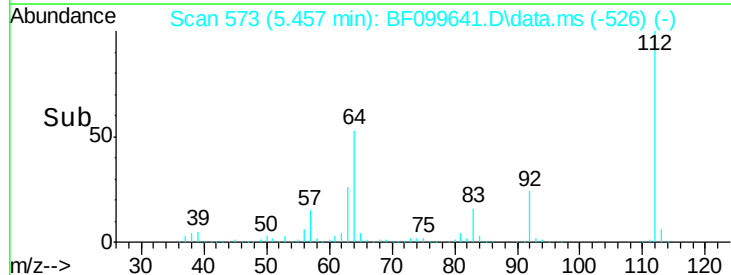
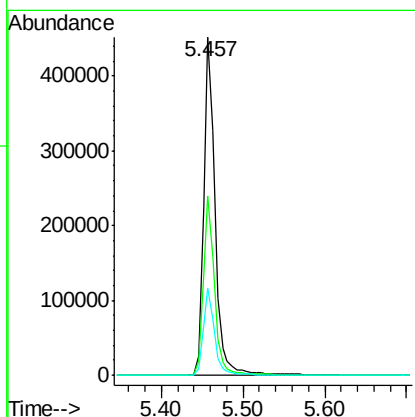
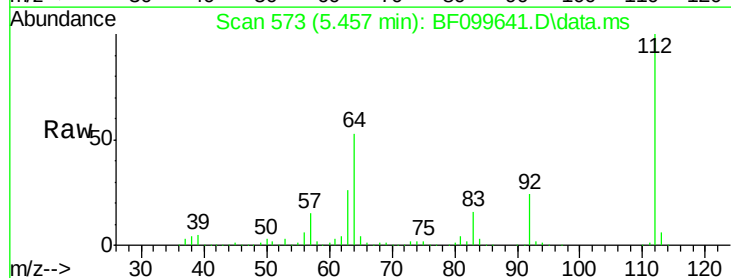
Instrument :
 BNA_F
 ClientSampleId :
 B-19(0-10)COMP

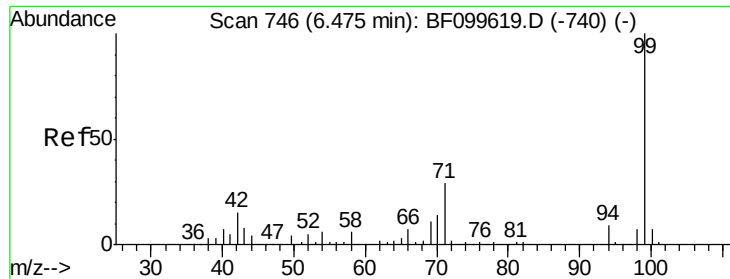
Tot Ion:152 Resp: 81405
 Ion Ratio Lower Upper
 152 100
 150 157.2 124.6 186.8
 115 59.2 50.1 75.1



#5
 2-Fluorophenol
 Concen: 85.96 ng
 RT: 5.457 min Scan# 573
 Delta R.T. -0.023 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





#7

Phenol-d6

Concen: 77.23 ng

RT: 6.469 min Scan# 74

Delta R.T. -0.029 min

Lab File: BF099641.D

Acq: 19 Oct 2017 2:19

Instrument :

BNA_F

ClientSampleId :

B-19(0-10)COMP

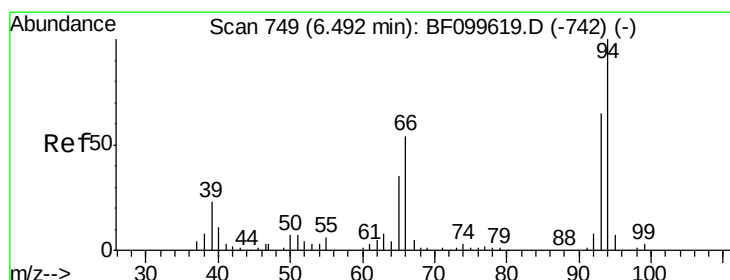
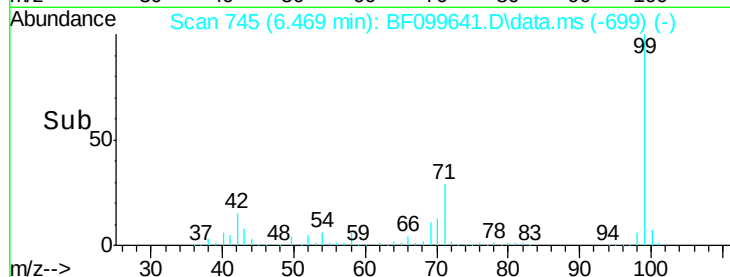
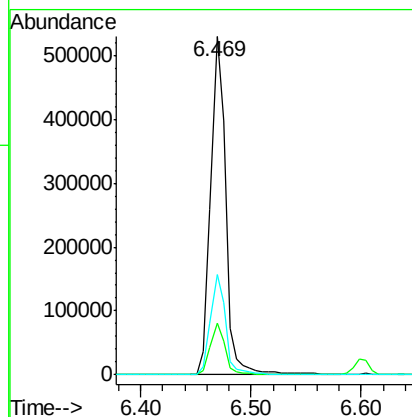
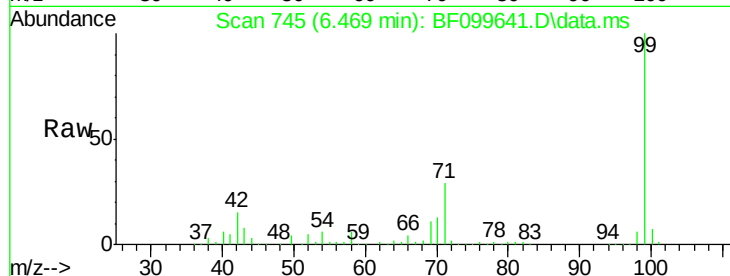
Tot Ion: 99 Resp: 487200

Ion Ratio Lower Upper

99 100

42 15.0 14.5 21.7

71 29.4 25.4 38.0



#10

Phenol

Concen: 3.26 ng

RT: 6.481 min Scan# 747

Delta R.T. -0.035 min

Lab File: BF099641.D

Acq: 19 Oct 2017 2:19

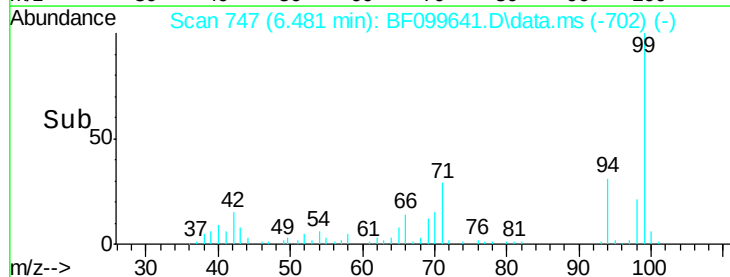
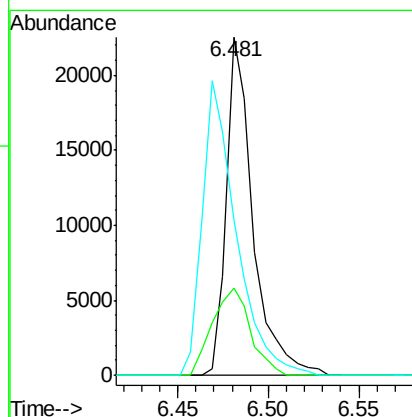
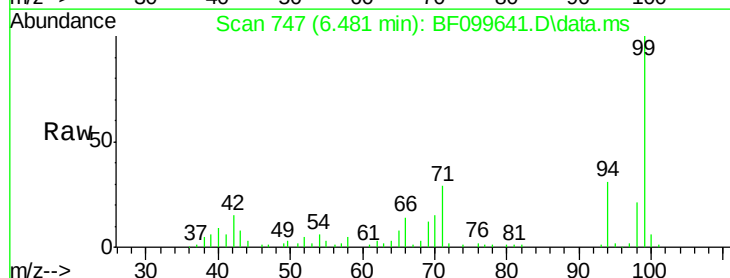
Tgt Ion: 94 Resp: 23030

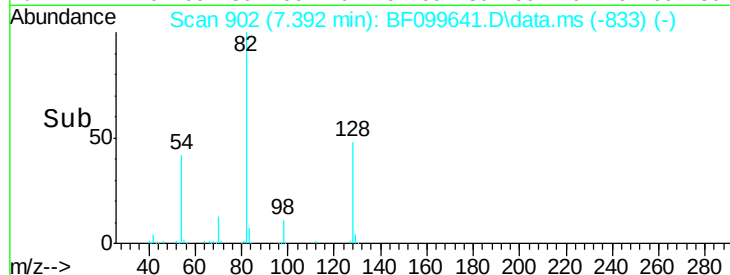
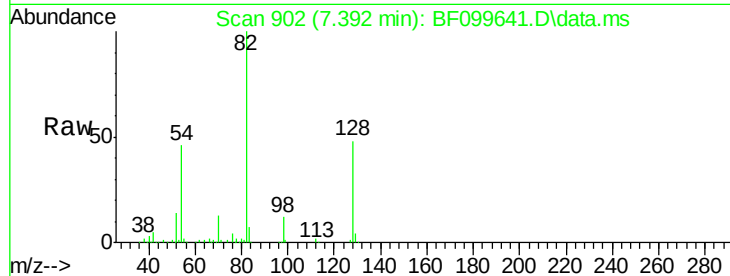
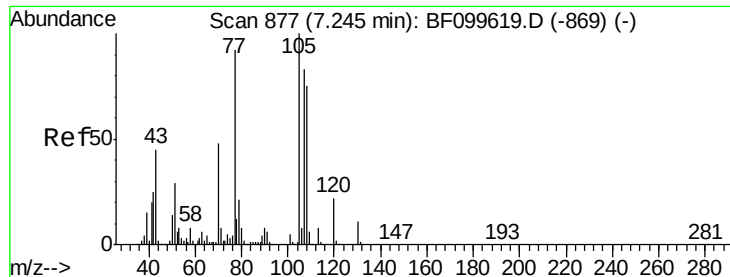
Ion Ratio Lower Upper

94 100

65 25.8 7.9 47.9

66 46.0 16.2 56.2

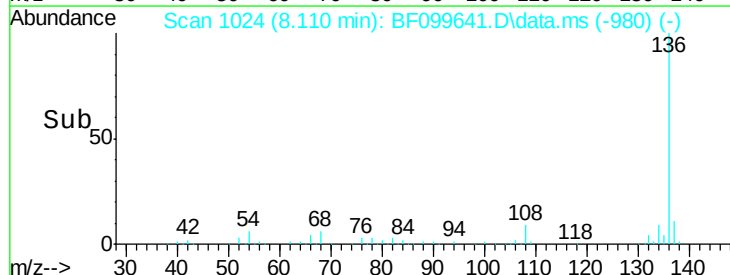
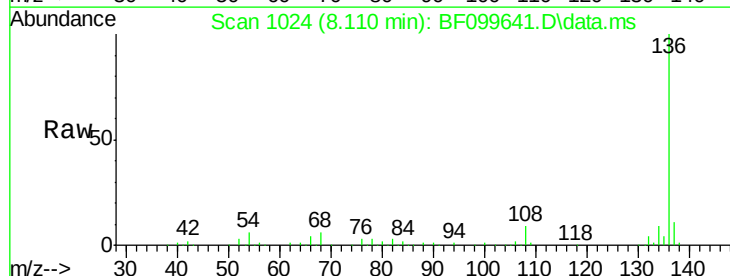
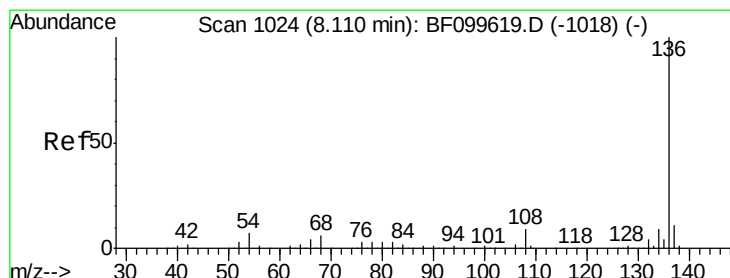
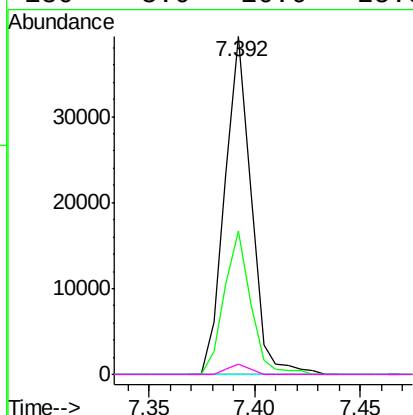




#19
n-Nitroso-di-n-propylamine
Concen: 8.44 ng
RT: 7.392 min Scan# 90
Delta R.T. 0.106 min
Lab File: BF099641.D
Acq: 19 Oct 2017 2:19

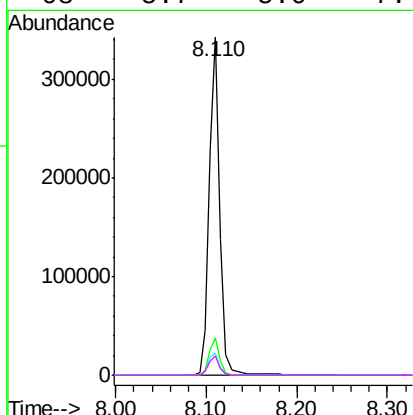
Instrument :
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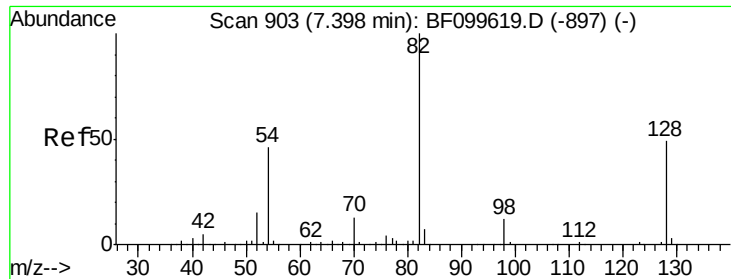
Tot Ion: 70 Resp: 33990
Ion Ratio Lower Upper
70 100
42 42.4 47.5 71.3#
101 0.0 7.4 11.2#
130 3.0 16.6 25.0#



#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.110 min Scan# 1024
Delta R.T. -0.041 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

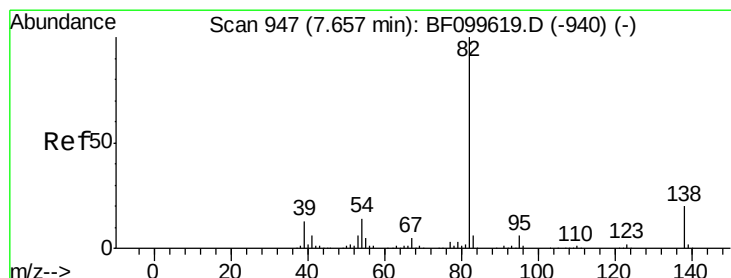
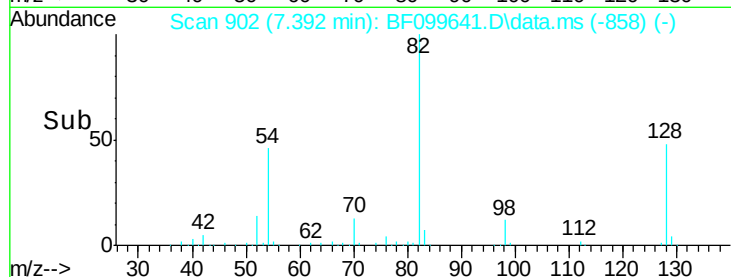
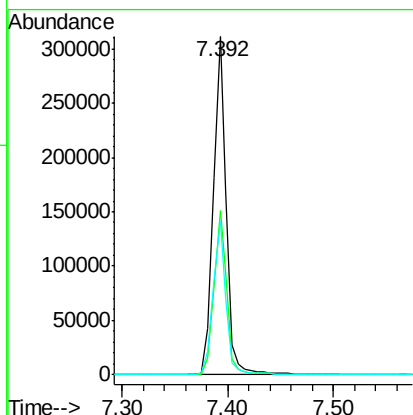
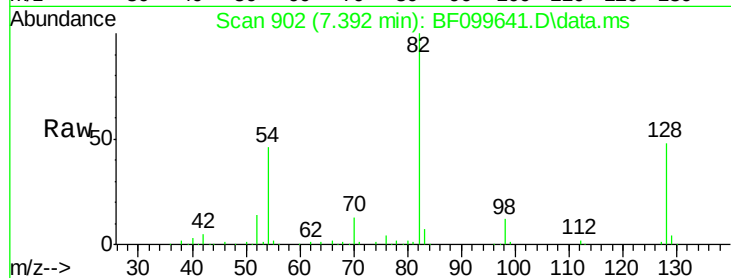




#23
Nitrobenzene-d5
Concen: 61.06 ng
RT: 7.392 min Scan# 90
Delta R.T. -0.041 min
Lab File: BF099641.D
Acq: 19 Oct 2017 2:19

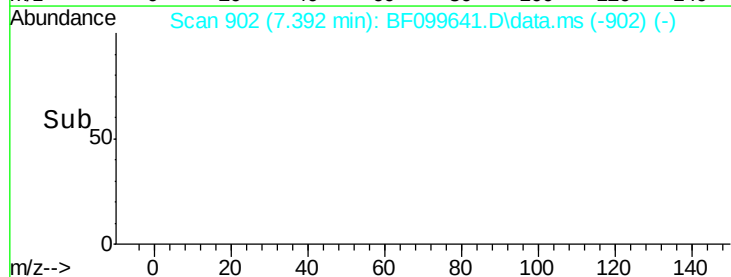
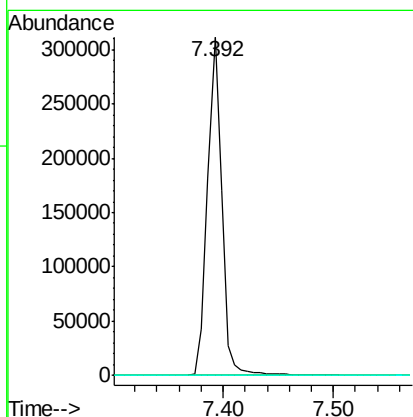
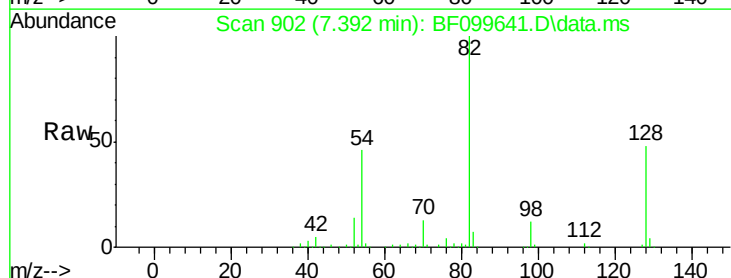
Instrument :
BNA_F
ClientSampleId :
B-19(0-10)COMP

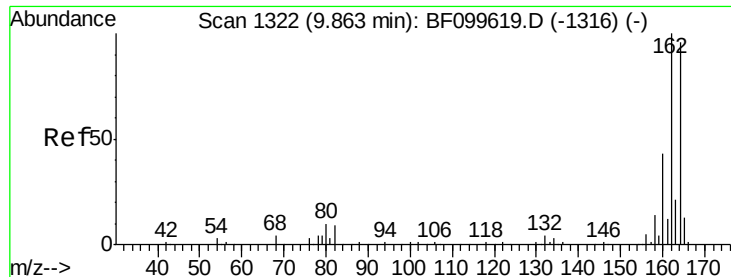
Tot Ion: 82 Resp: 269880
Ion Ratio Lower Upper
82 100
128 48.5 36.1 54.1
54 45.6 41.4 62.2



#25
Isophorone
Concen: 29.53 ng
RT: 7.392 min Scan# 902
Delta R.T. -0.300 min
Lab File: BF099641.D
Acq: 19 Oct 2017 2:19

Tgt Ion: 82 Resp: 269878
Ion Ratio Lower Upper
82 100
95 0.0 5.2 7.8#
138 0.0 14.9 22.3#





#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.863 min Scan# 1322

Delta R.T. -0.041 min

Lab File: BF099641.D

Acq: 19 Oct 2017 2:19

Instrument :

BNA_F

ClientSampleId :

B-19(0-10)COMP

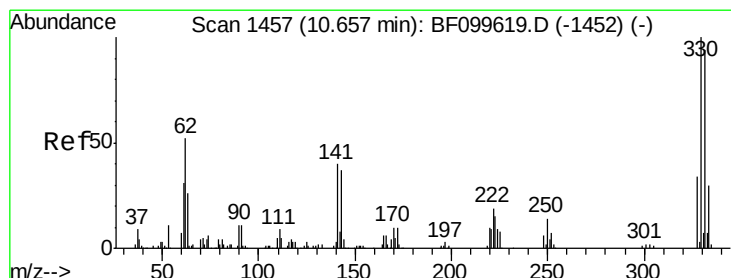
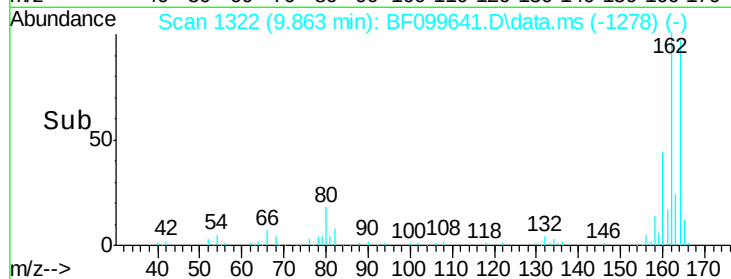
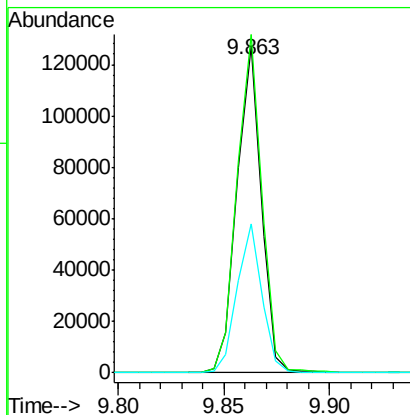
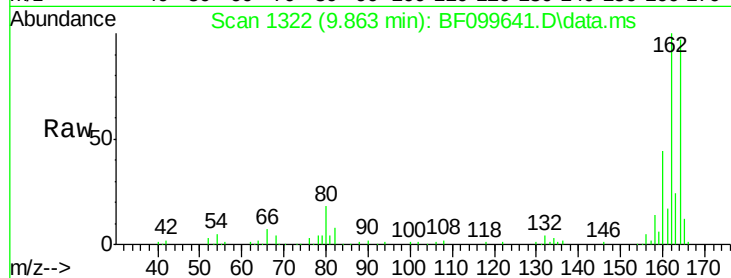
Tot Ion:164 Resp: 100774

Ion Ratio Lower Upper

164 100

162 103.5 86.1 129.1

160 45.5 38.3 57.5



#41

2,4,6-Tribromophenol

Concen: 86.04 ng

RT: 10.657 min Scan# 1457

Delta R.T. -0.041 min

Lab File: BF099641.D

Acq: 19 Oct 2017 2:19

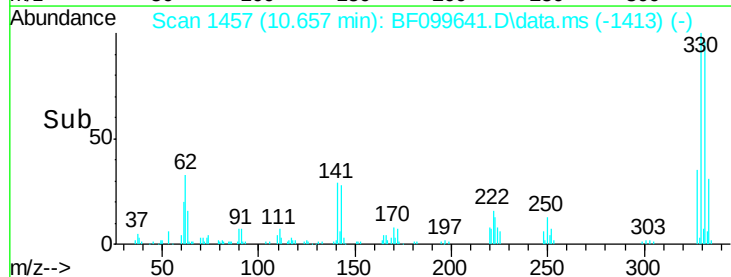
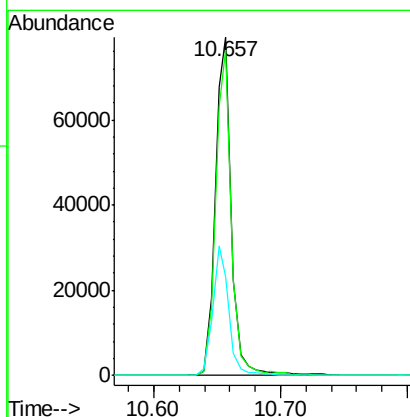
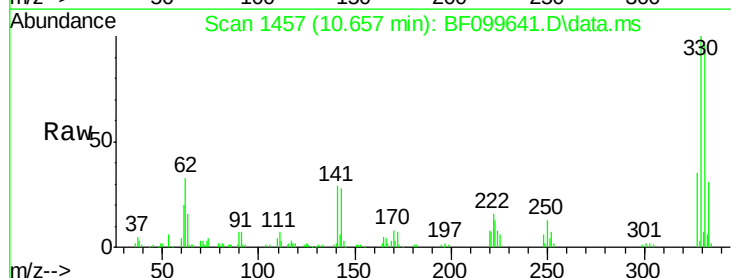
Tgt Ion:330 Resp: 70949

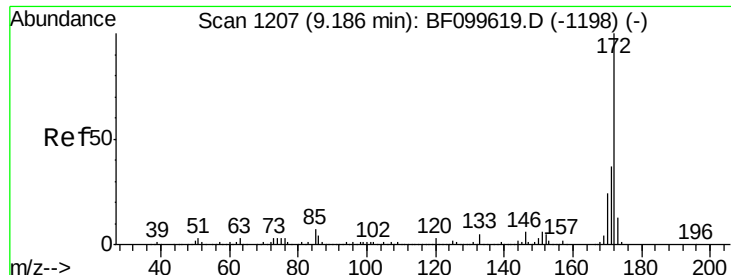
Ion Ratio Lower Upper

330 100

332 94.4 77.0 115.6

141 38.0 29.9 44.9

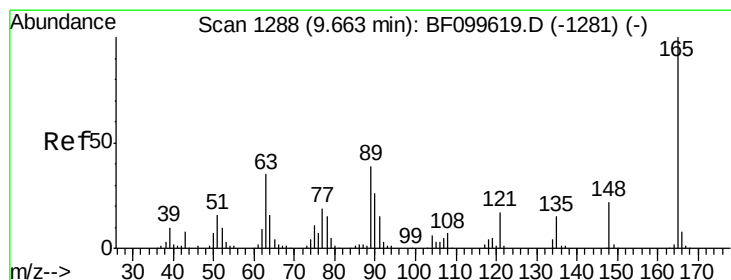
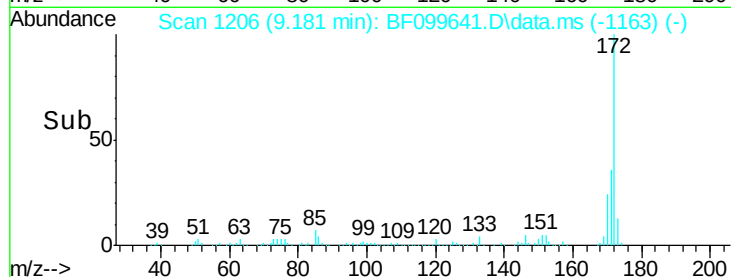
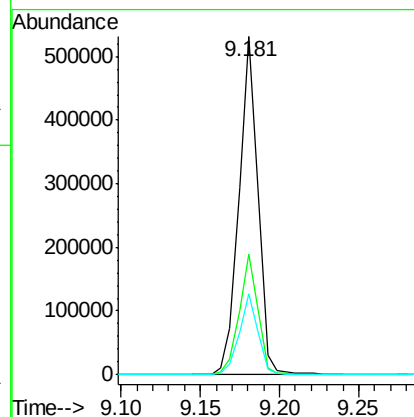
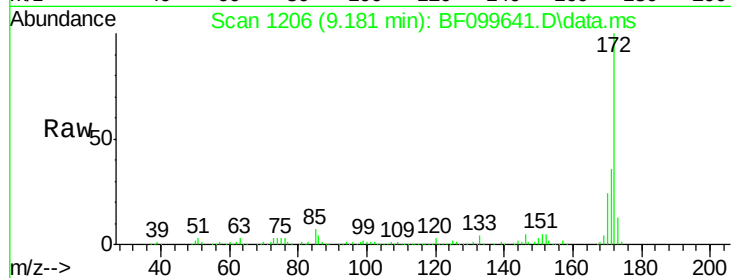




#44
2-Fluorobiphenyl
Concen: 73.25 ng
RT: 9.181 min Scan# 12
Delta R.T. -0.047 min
Lab File: BF099641.D
Acq: 19 Oct 2017 2:19

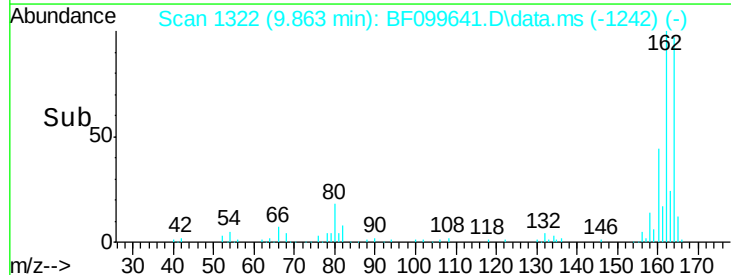
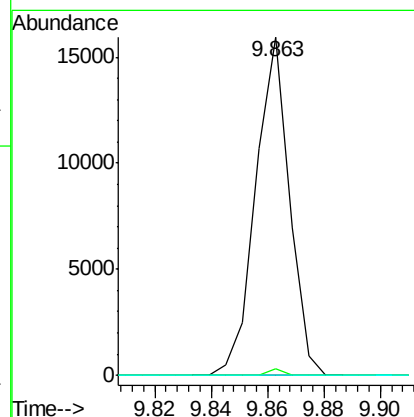
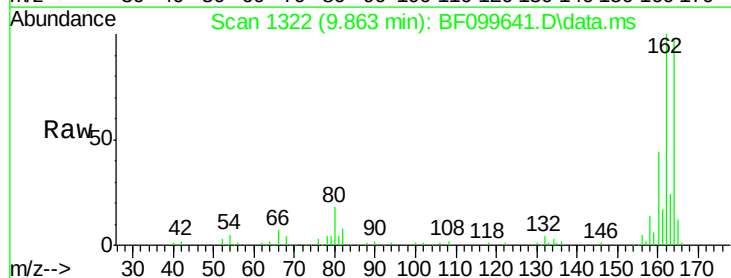
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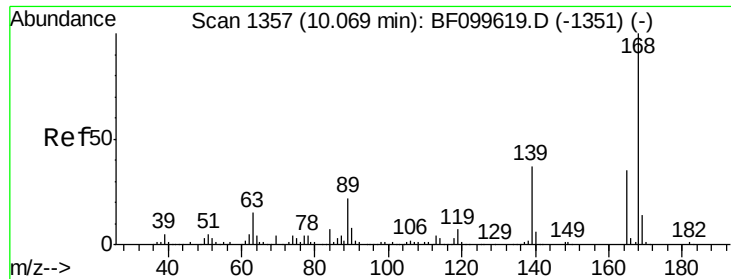
Tot Ion	Ratio	Lower	Upper
172	100		
171	35.7	29.7	44.5
170	23.9	19.6	29.4



#50
2,6-Dinitrotoluene
Concen: 7.97 ng
RT: 9.863 min Scan# 1322
Delta R.T. 0.171 min
Lab File: BF099641.D
Acq: 19 Oct 2017 2:19

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

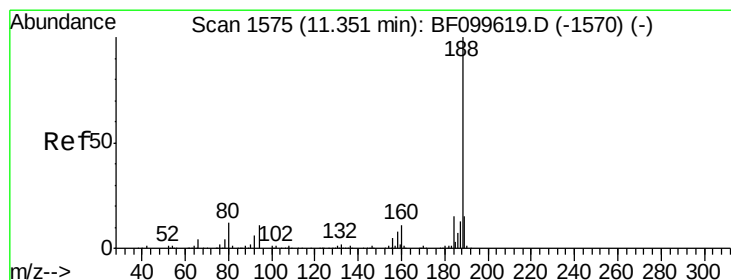
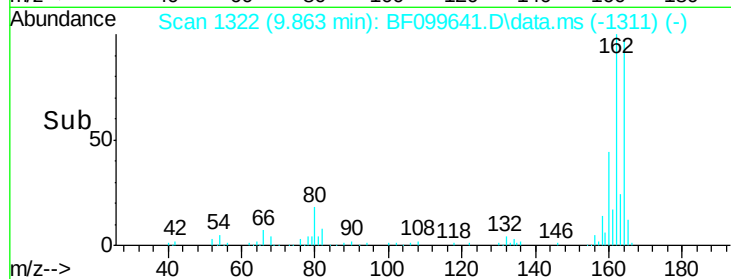
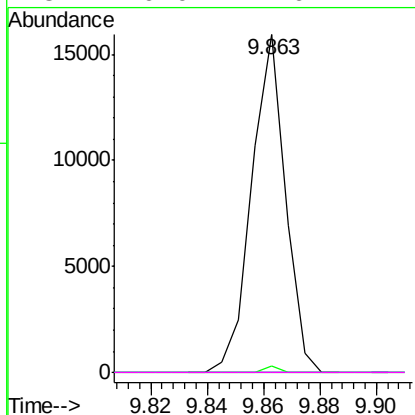
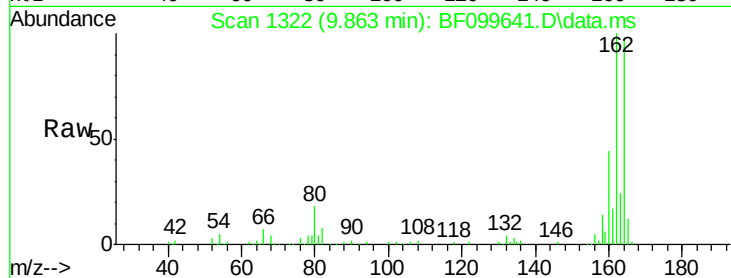




#56
2,4-Dinitrotoluene
Concen: 6.14 ng
RT: 9.863 min Scan# 1357
Delta R.T. -0.235 min
Lab File: BF099641.D
Acq: 19 Oct 2017 2:19

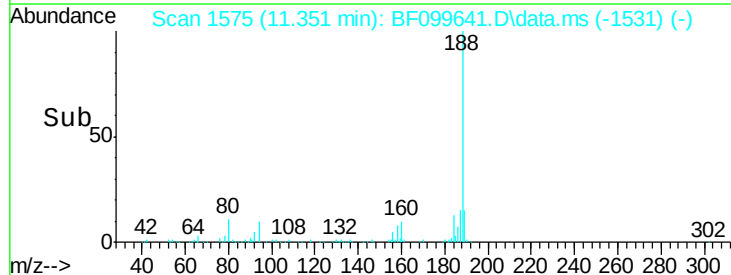
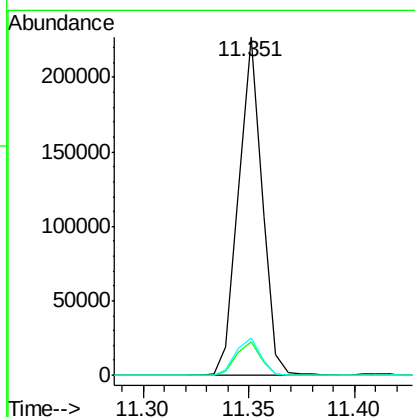
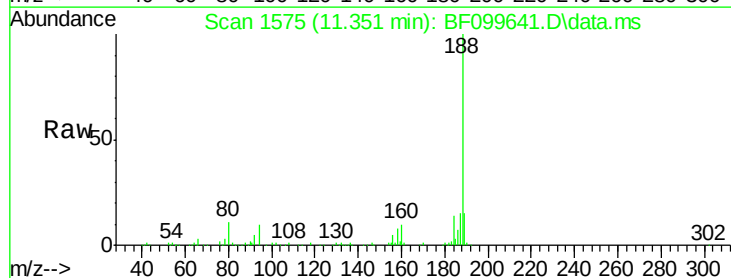
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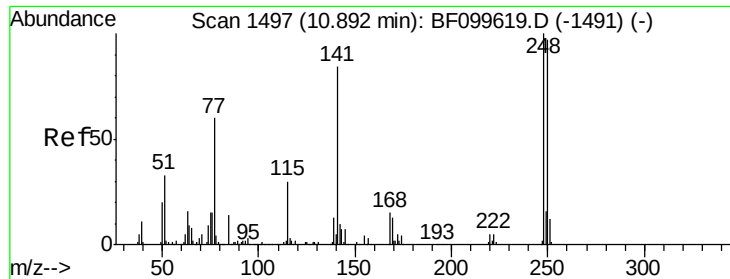
Tot Ion:	165	Resp:	13205
Ion Ratio	Lower	Upper	
165	100		
63	1.9	36.4	54.6#
89	0.0	57.8	86.6#
182	0.0	1.6	2.4#



#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.351 min Scan# 1575
Delta R.T. -0.041 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

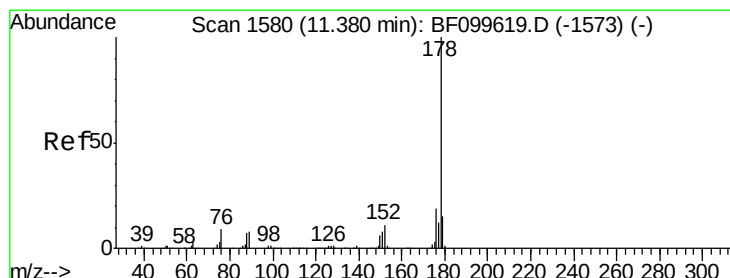
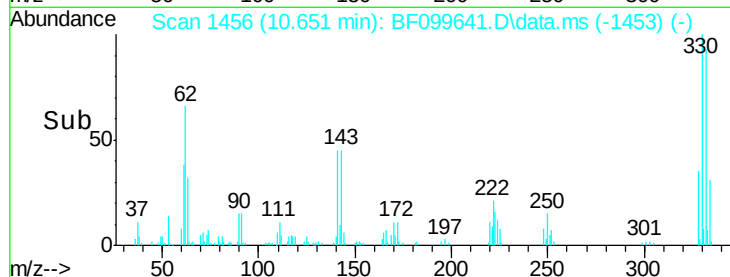
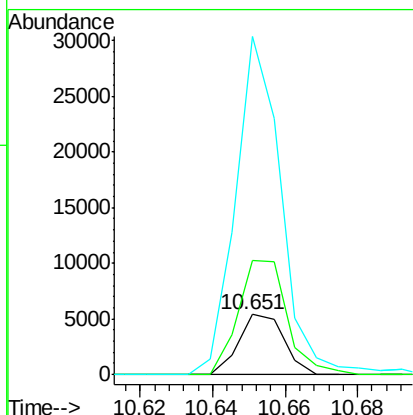
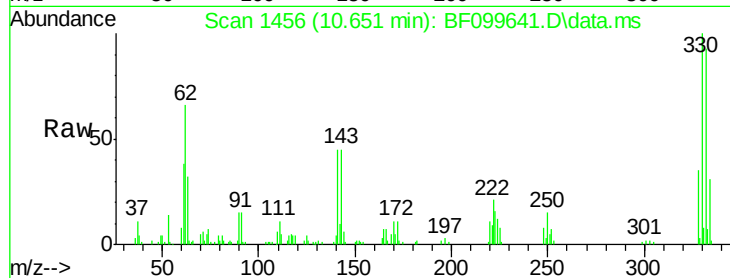




#66
 4-Bromophenyl-phenylether
 Concen: 2.75 ng
 RT: 10.651 min Scan# 1497
 Delta R.T. -0.282 min
 Lab File: BF099641.D
 Acq: 19 Oct 2017 2:19

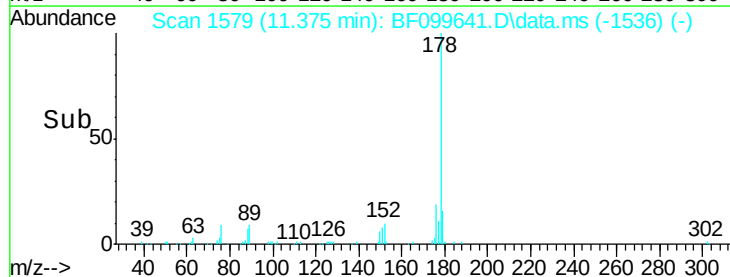
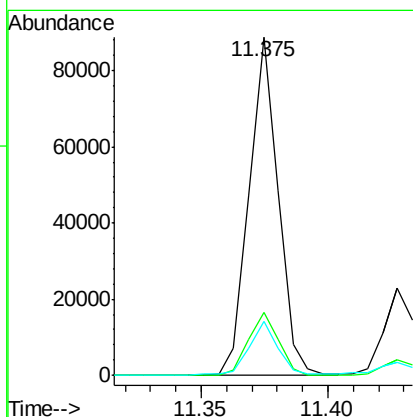
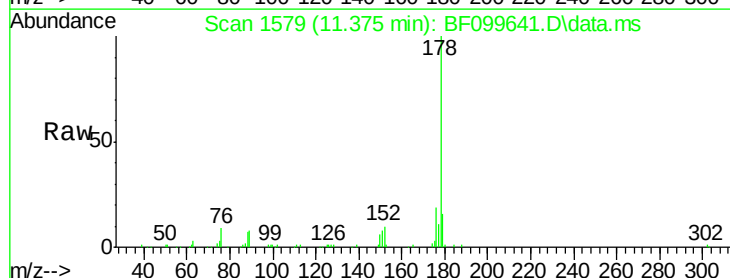
Instrument :
 BNA_F
 ClientSampleId :
 B-19(0-10)COMP

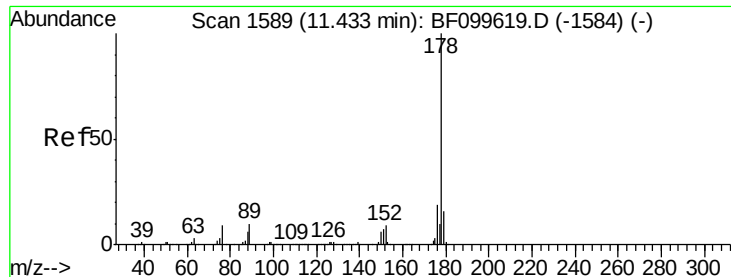
Tot Ion:248 Resp: 4711
 Ion Ratio Lower Upper
 248 100
 250 192.2 76.9 115.3#
 141 566.5 74.4 111.6#



#70
 Phenanthrene
 Concen: 7.63 ng
 RT: 11.375 min Scan# 1579
 Delta R.T. -0.047 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

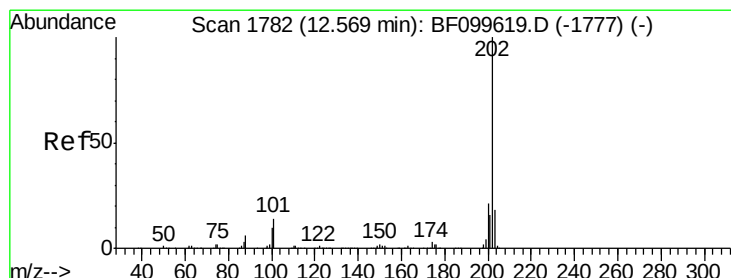
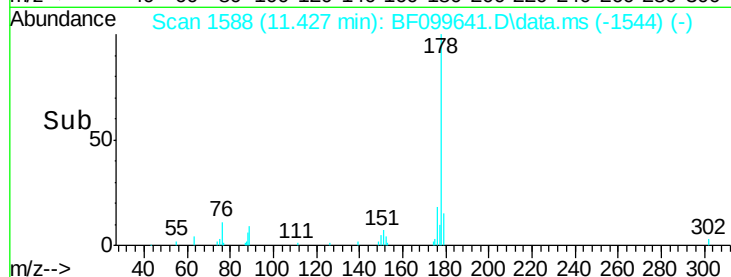
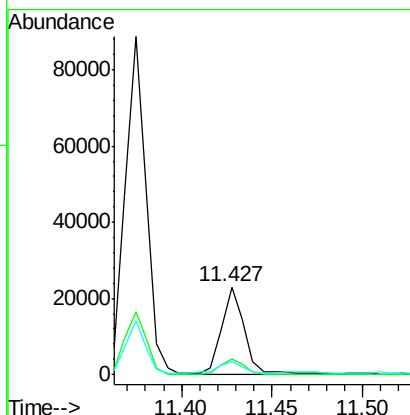
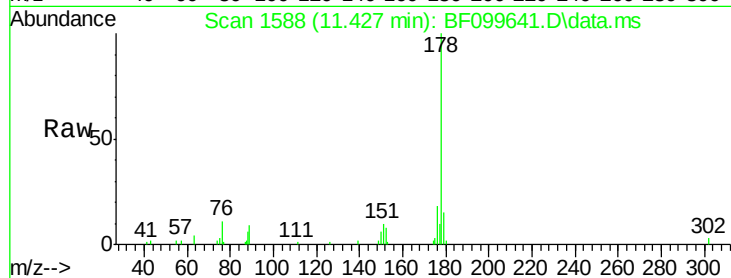




#71
 Anthracene
 Concen: 2.14 ng
 RT: 11.427 min Scan# 1589
 Delta R.T. -0.041 min
 Lab File: BF099641.D
 Acq: 19 Oct 2017 2:19

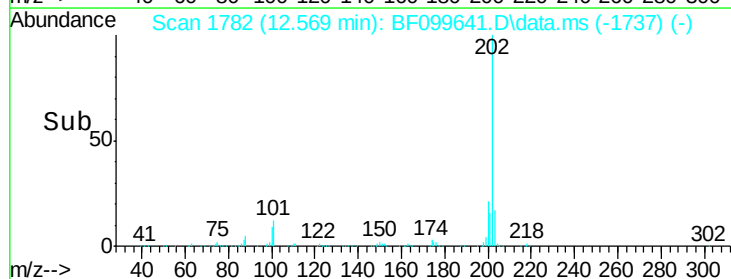
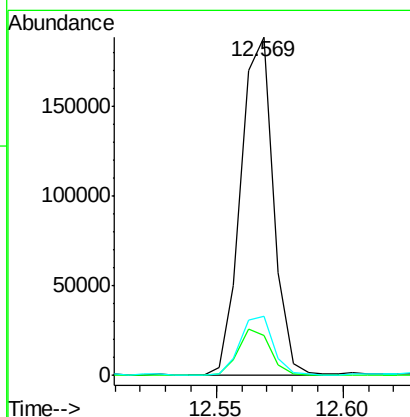
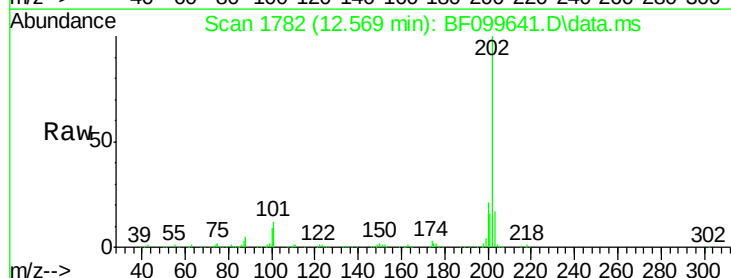
Instrument :
 BNA_F
 ClientSampleId :
 B-19(0-10)COMP

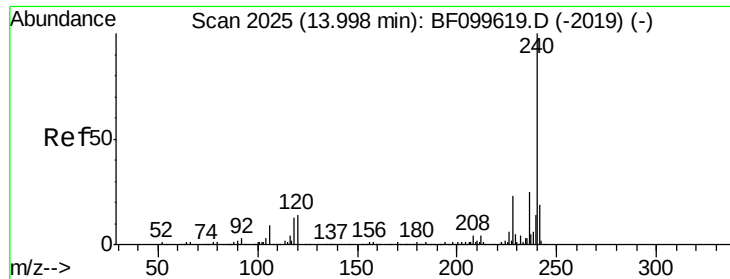
Tot Ion	Ratio	Lower	Upper
178	100		
176	18.0	15.4	23.2
179	15.4	12.6	19.0



#74
 Fluoranthene
 Concen: 17.86 ng
 RT: 12.569 min Scan# 1782
 Delta R.T. -0.035 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





#75

Chrysene-d12

Concen: 20.00 ng

RT: 13.998 min Scan# 20

Delta R.T. -0.035 min

Lab File: BF099641.D

Acq: 19 Oct 2017 2:19

Instrument :

BNA_F

ClientSampleId :

B-19(0-10)COMP

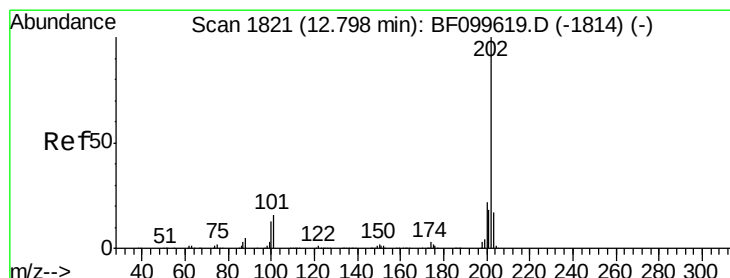
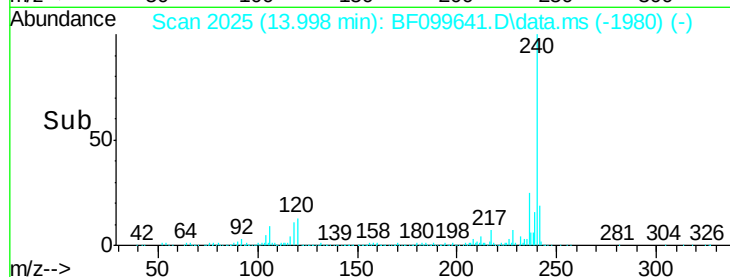
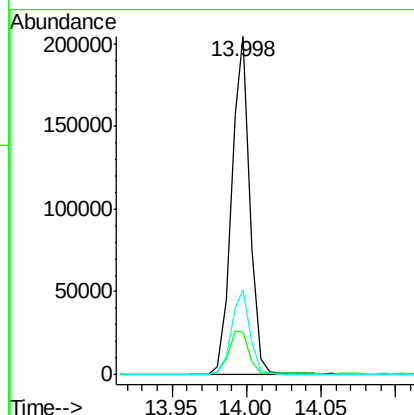
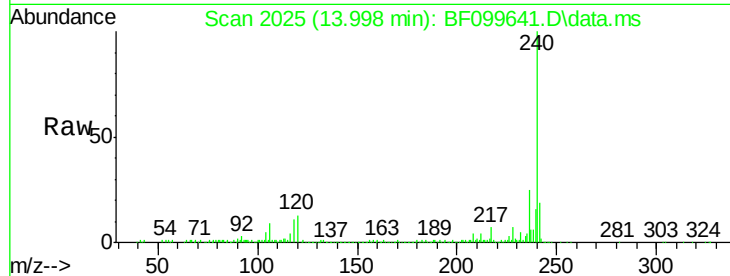
Tot Ion:240 Resp: 177941

Ion Ratio Lower Upper

240 100

120 12.6 9.5 14.3

236 25.2 20.7 31.1



#77

Pyrene

Concen: 12.39 ng

RT: 12.798 min Scan# 1821

Delta R.T. -0.041 min

Lab File: BF099641.D

Acq: 19 Oct 2017 2:19

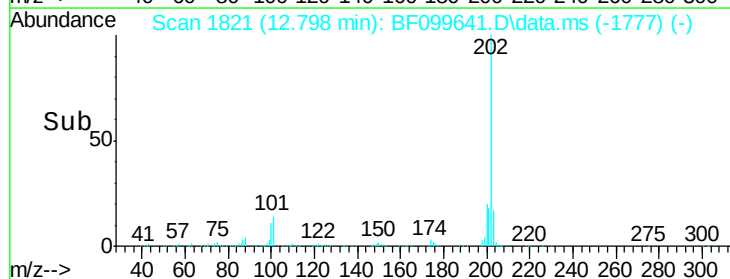
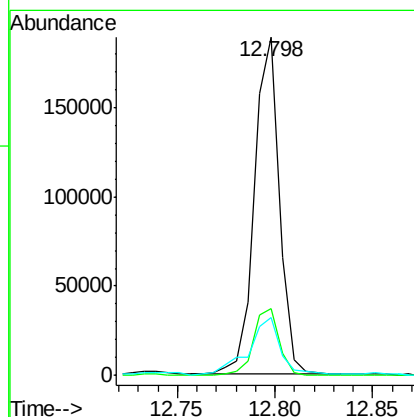
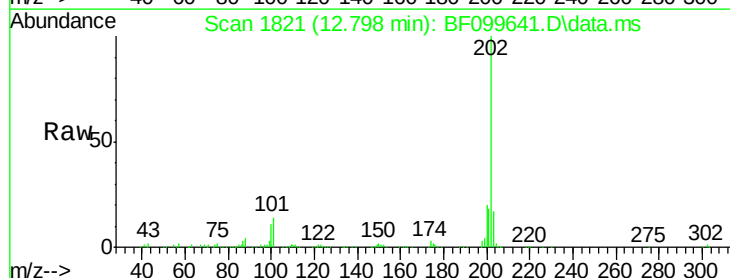
Tgt Ion:202 Resp: 168183

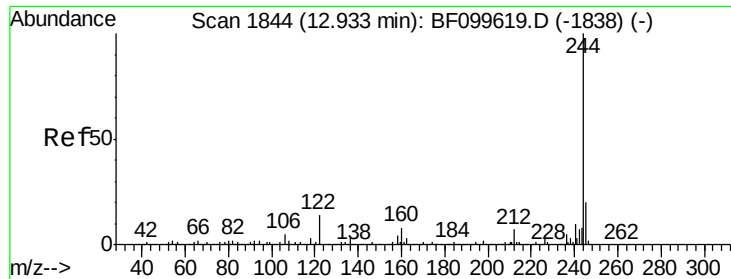
Ion Ratio Lower Upper

202 100

200 19.9 17.4 26.2

203 17.2 14.3 21.5





#78

Terphenyl-d14

Concen: 47.24 ng

RT: 12.933 min Scan# 1844

Delta R.T. -0.041 min

Lab File: BF099641.D

Acq: 19 Oct 2017 2:19

Instrument :

BNA_F

ClientSampleId :

B-19(0-10)COMP

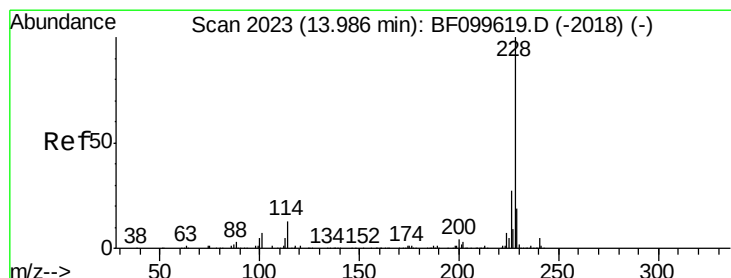
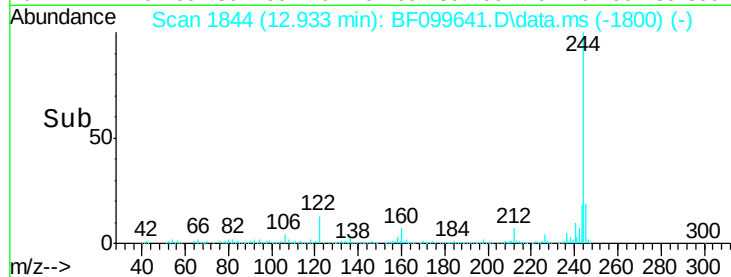
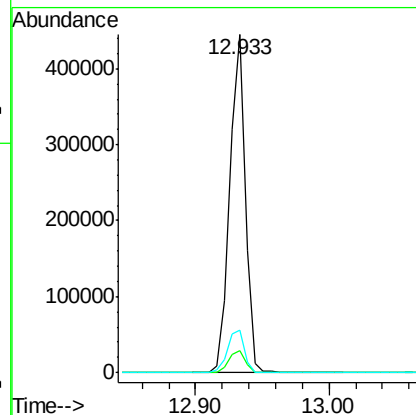
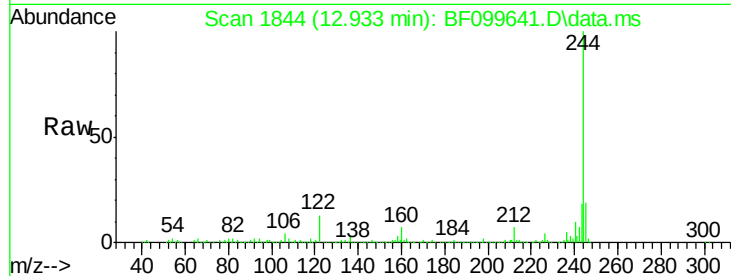
Tot Ion:244 Resp: 369593

Ion Ratio Lower Upper

244 100

212 6.6 5.4 8.0

122 12.6 11.0 16.4



#80

Benzo(a)anthracene

Concen: 9.04 ng

RT: 13.986 min Scan# 2023

Delta R.T. -0.035 min

Lab File: BF099641.D

Acq: 19 Oct 2017 2:19

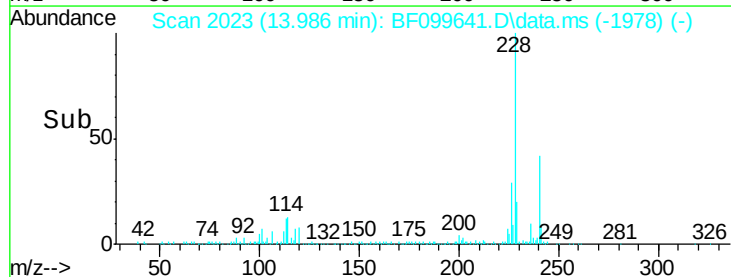
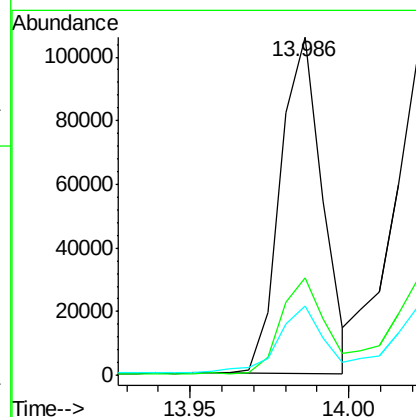
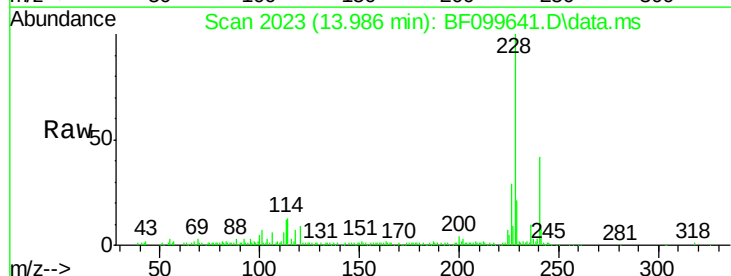
Tgt Ion:228 Resp: 97411

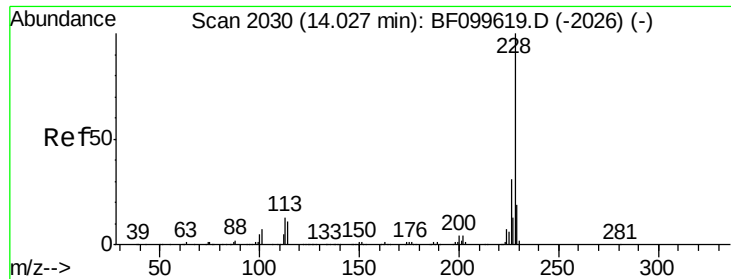
Ion Ratio Lower Upper

228 100

226 28.8 22.6 33.8

229 20.6 15.8 23.6





#82

Chrysene

Concen: 8.66 ng

RT: 14.021 min Scan# 20

Delta R.T. -0.041 min

Lab File: BF099641.D

Acq: 19 Oct 2017 2:19

Instrument :

BNA_F

ClientSampleId :

B-19(0-10)COMP

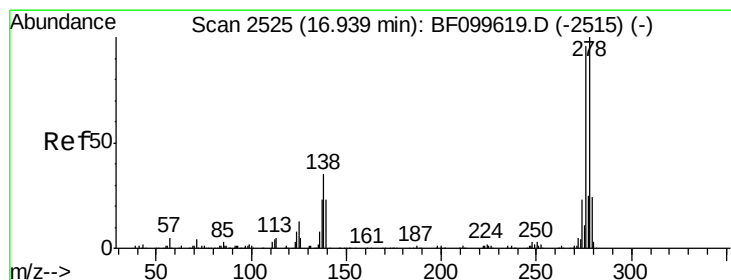
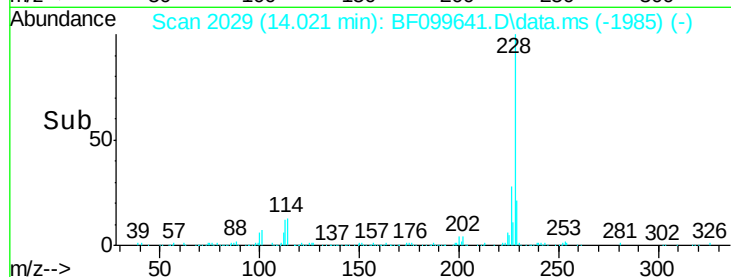
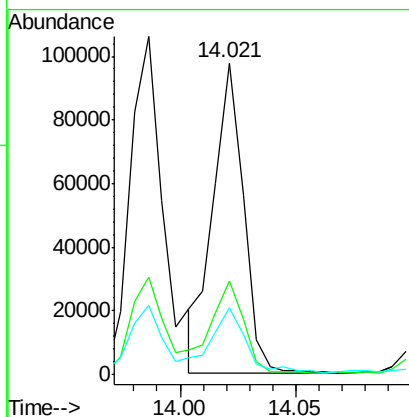
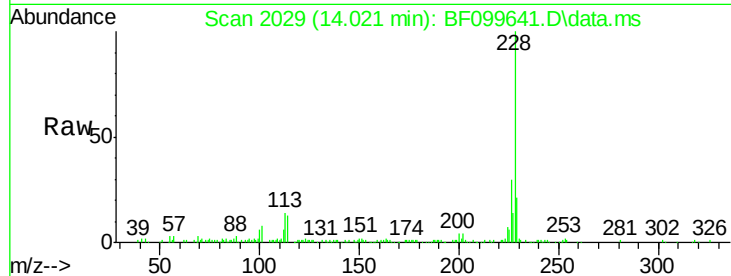
Tot Ion:228 Resp: 88815

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: 4.57 ng

RT: 16.939 min Scan# 2525

Delta R.T. -0.053 min

Lab File: BF099641.D

Acq: 19 Oct 2017 2:19

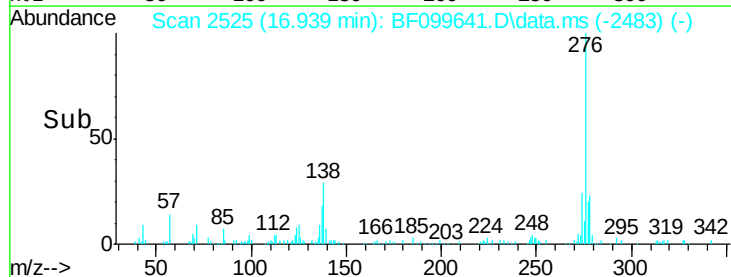
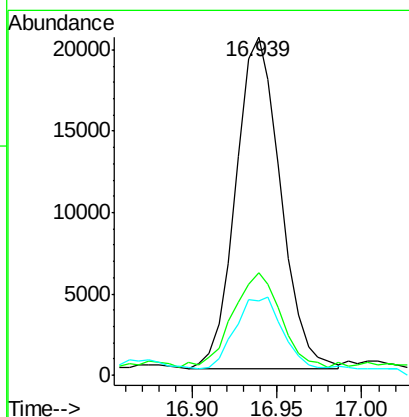
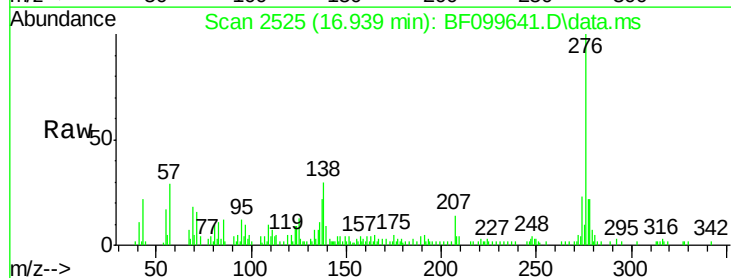
Tgt Ion:276 Resp: 37521

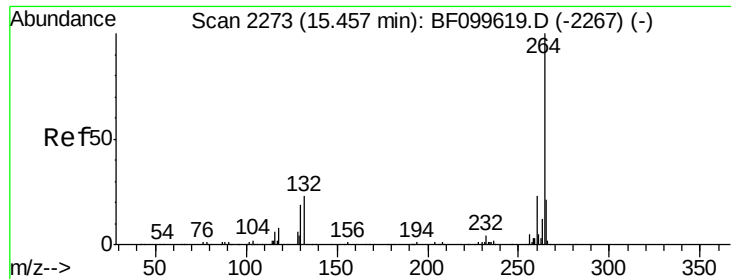
Ion Ratio Lower Upper

276 100

138 30.4 25.0 37.6

277 23.7 20.1 30.1

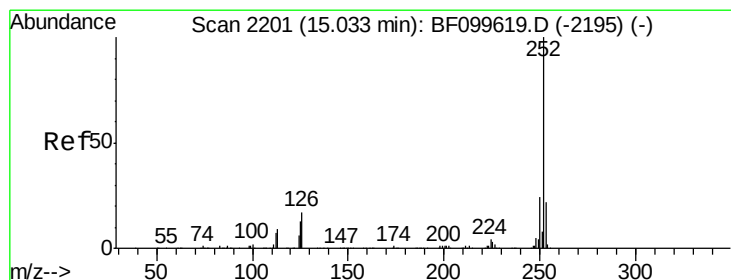
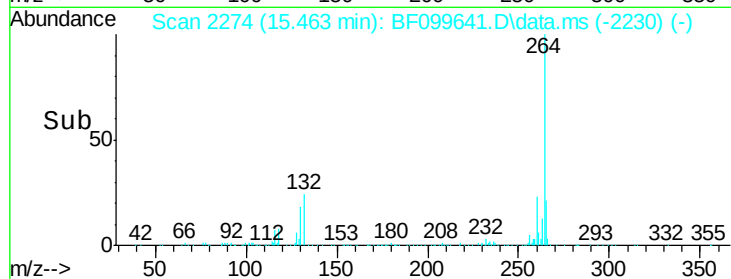
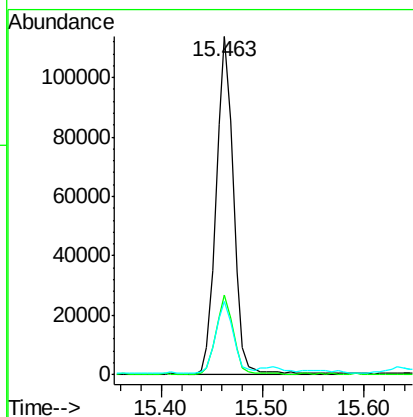
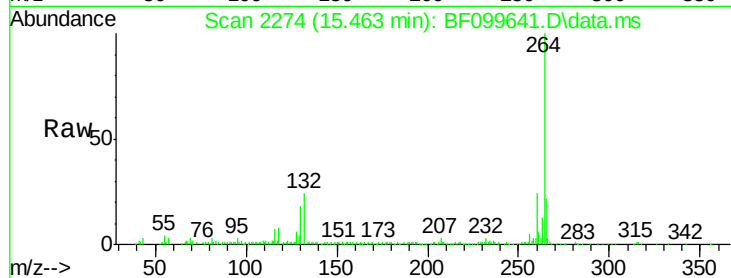




#86
Pervlene-d12
Concen: 20.00 ng
RT: 15.463 min Scan# 2273
Delta R.T. -0.041 min
Lab File: BF099641.D
Acq: 19 Oct 2017 2:19

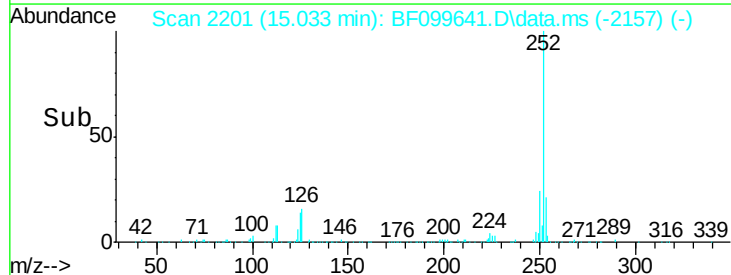
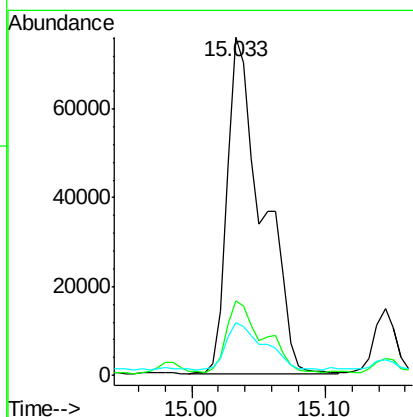
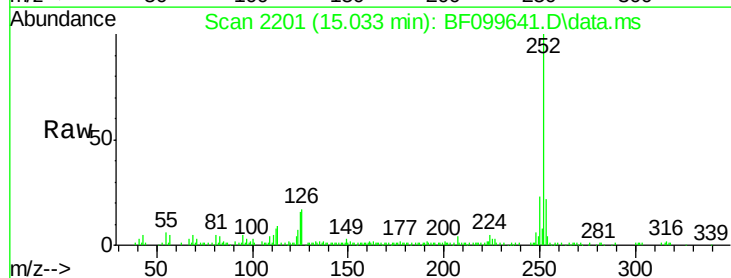
Instrument :
BNA_F
ClientSampleId :
B-19(0-10)COMP

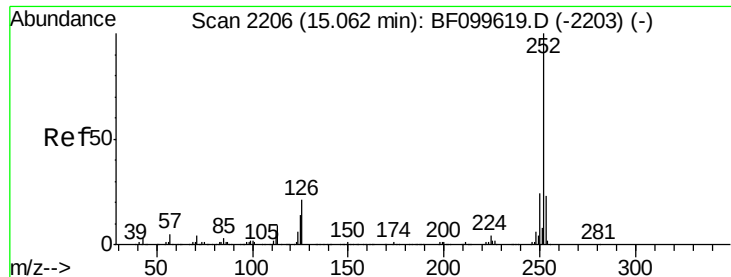
Tot Ion:264 Resp: 136311
Ion Ratio Lower Upper
264 100
260 23.7 19.2 28.8
265 21.6 17.5 26.3



#87
Benzo(b)fluoranthene
Concen: 16.75 ng
RT: 15.033 min Scan# 2201
Delta R.T. -0.041 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#





#88

Benzo(k)fluoranthene

Concen: 16.96 ng

RT: 15.033 min Scan# 2206

Delta R.T. -0.076 min

Lab File: BF099641.D

Acq: 19 Oct 2017 2:19

Instrument :

BNA_F

ClientSampleId :

B-19(0-10)COMP

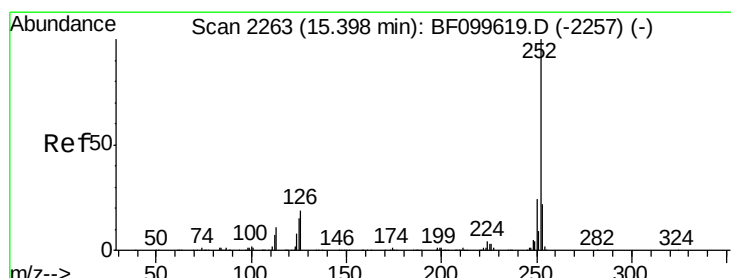
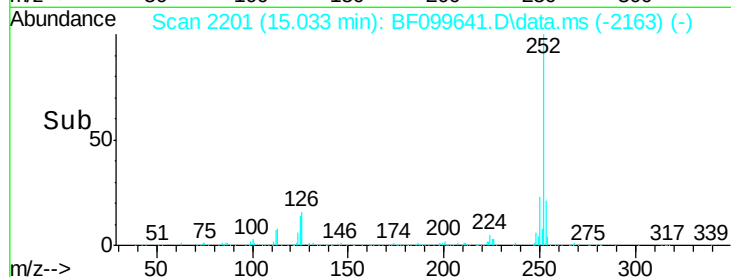
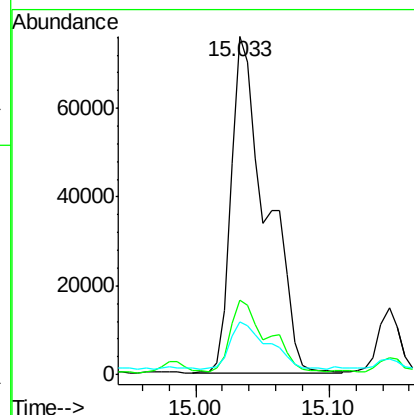
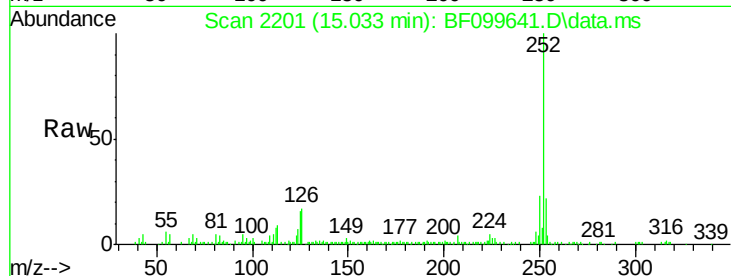
Tot Ion:252 Resp: 140382

Ion Ratio Lower Upper

252 100

253 21.9 17.9 26.9

125 15.6 10.2 15.2#



#89

Benzo(a)pyrene

Concen: 9.17 ng

RT: 15.404 min Scan# 2264

Delta R.T. -0.041 min

Lab File: BF099641.D

Acq: 19 Oct 2017 2:19

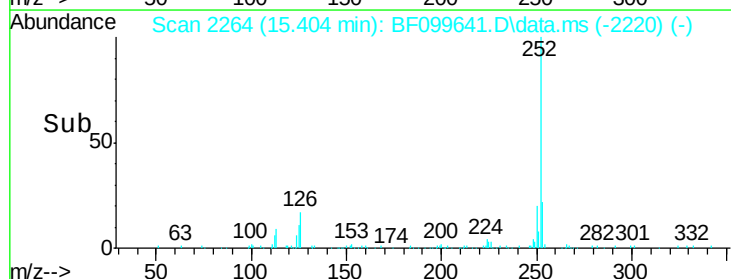
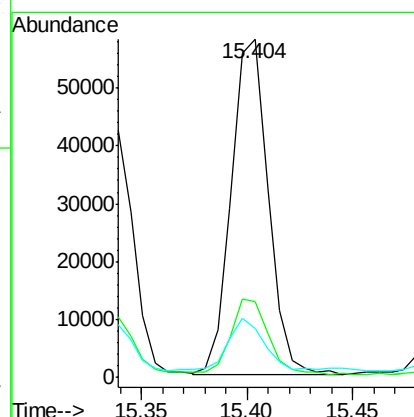
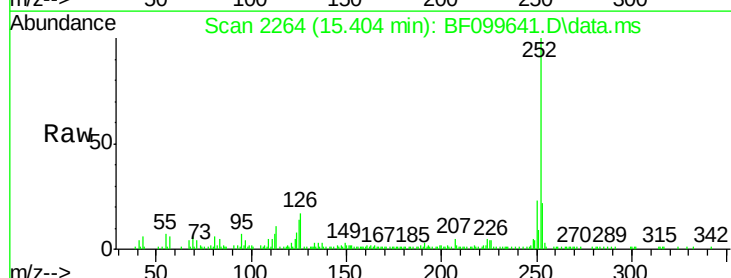
Tgt Ion:252 Resp: 70509

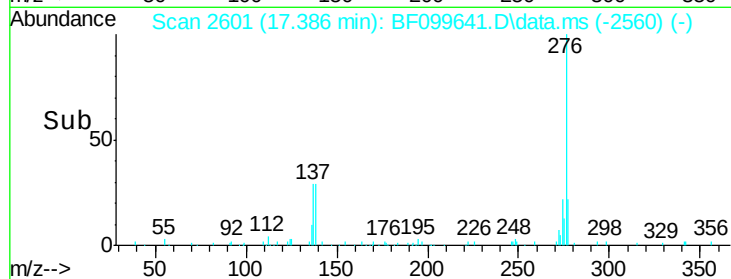
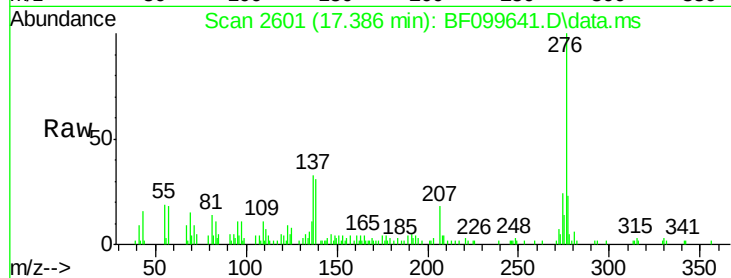
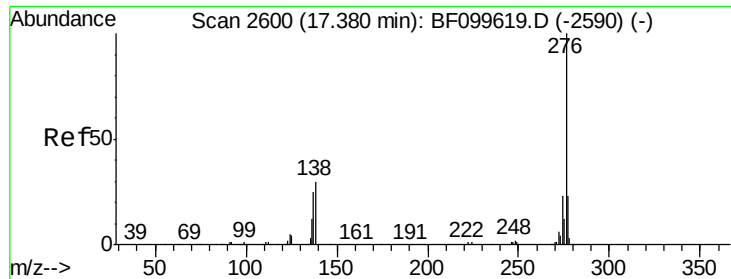
Ion Ratio Lower Upper

252 100

253 22.3 17.1 25.7

125 14.3 9.8 14.6





#91

Benzo(a,h,i)perylene

Concen: 6.17 ng

RT: 17.386 min Scan# 26

Delta R.T. -0.059 min

Lab File: BF099641.D

Acq: 19 Oct 2017 2:19

Instrument :

BNA_F

ClientSampleId :

B-19(0-10)COMP

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

