

Data Path : Z:\HPCHEM1\BNA F\Data\BF101817\
 Data File : BF099637.D
 Acq On : 19 Oct 2017 00:29
 Operator : SJ/JU
 Sample : I5943-01 2X
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SU-03-101717

Quant Time: Oct 19 10:20:52 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

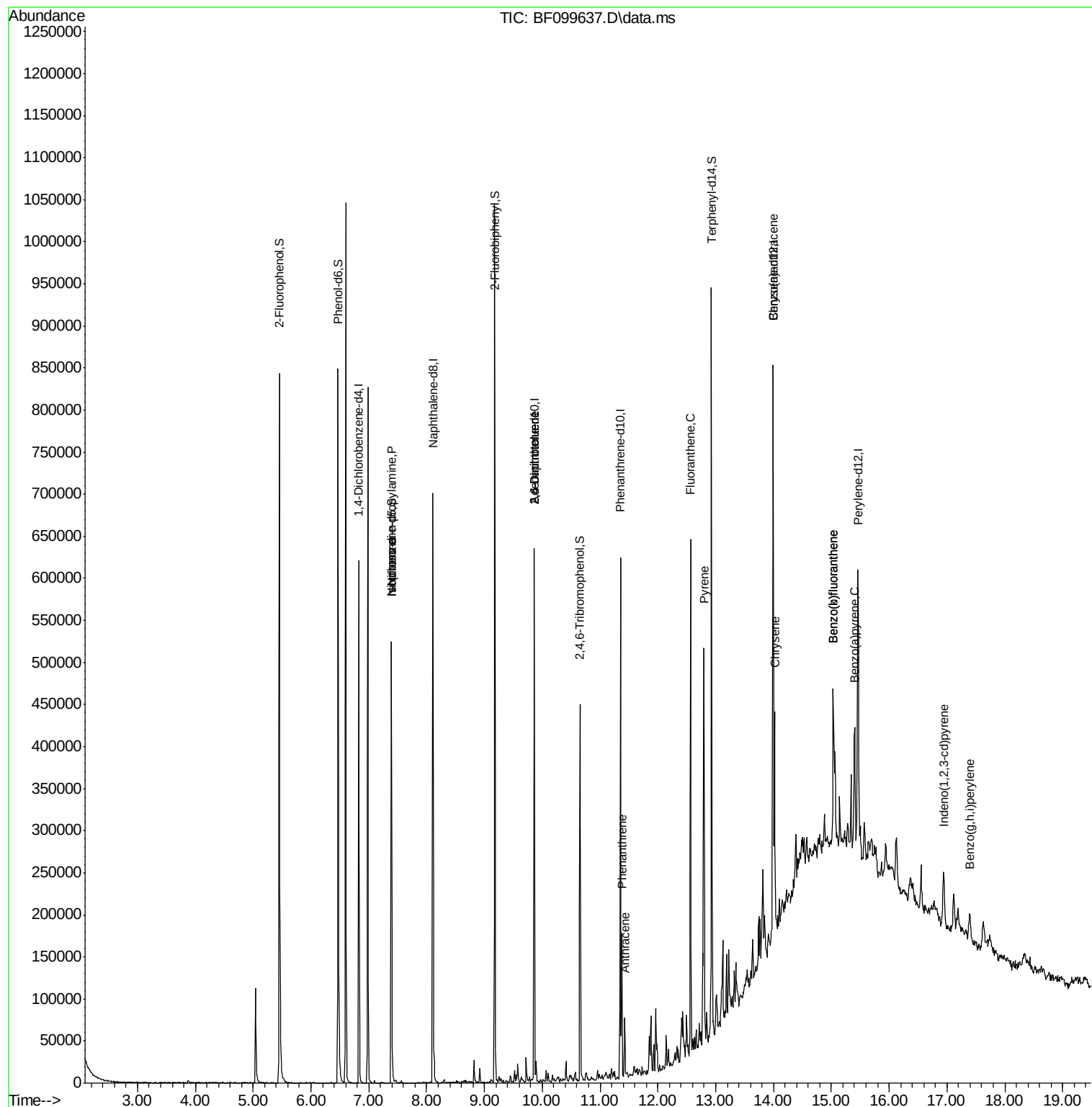
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.828	152	90025	20.00	ng	-0.04
21) Naphthalene-d8	8.110	136	317769	20.00	ng	-0.04
38) Acenaphthene-d10	9.863	164	118181	20.00	ng	-0.04
63) Phenanthrene-d10	11.351	188	200216	20.00	ng	-0.04
75) Chrysene-d12	13.998	240	199231	20.00	ng	-0.04
86) Perylene-d12	15.462	264	150375	20.00	ng	-0.04
System Monitoring Compounds						
5) 2-Fluorophenol	5.451	112	273701	48.40	ng	-0.03
7) Phenol-d6	6.469	99	309294	44.33	ng	-0.03
23) Nitrobenzene-d5	7.392	82	167511	33.81	ng	-0.04
41) 2,4,6-Tribromophenol	10.651	330	46902	48.50	ng	-0.05
44) 2-Fluorobiphenyl	9.180	172	316509	44.71	ng	-0.05
78) Terphenyl-d14	12.927	244	278909	31.84	ng	-0.05
Target Compounds						
19) n-Nitroso-di-n-propyla...	7.392	70	20565	4.62	ng	# 72
25) Isophorone	7.392	82	167510	16.35	ng	# 64
50) 2,6-Dinitrotoluene	9.863	165	15500	7.98	ng	# 24
56) 2,4-Dinitrotoluene	9.863	165	15500	6.15	ng	# 21
70) Phenanthrene	11.374	178	58119	5.42	ng	99
71) Anthracene	11.427	178	25800	2.35	ng	98
74) Fluoranthene	12.563	202	235059	21.66	ng	99
77) Pyrene	12.798	202	196893	12.96	ng	98
80) Benzo(a)anthracene	13.986	228	108290	8.98	ng	99
82) Chrysene	14.021	228	98046	8.54	ng	98
85) Indeno(1,2,3-cd)pyrene	16.945	276	29670	3.23	ng	99
87) Benzo(b)fluoranthene	15.033	252	134095	14.50	ng	# 90
88) Benzo(k)fluoranthene	15.033	252	134095	14.68	ng	# 93
89) Benzo(a)pyrene	15.404	252	62488	7.36	ng	# 92
91) Benzo(a,h,i)perylene	17.392	276	26451	3.94	ng	# 93

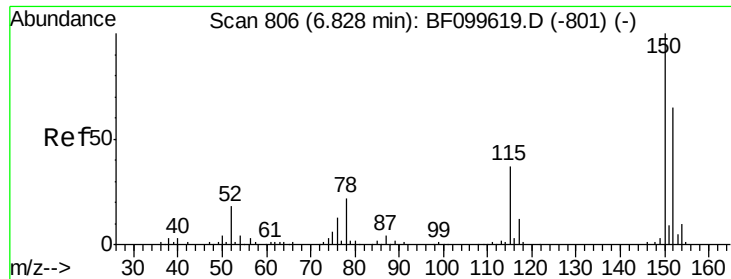
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: BF099637.D

Acq: 19 Oct 2017 00:29

Instrument :

BNA_F

ClientSampleId :

SU-03-101717

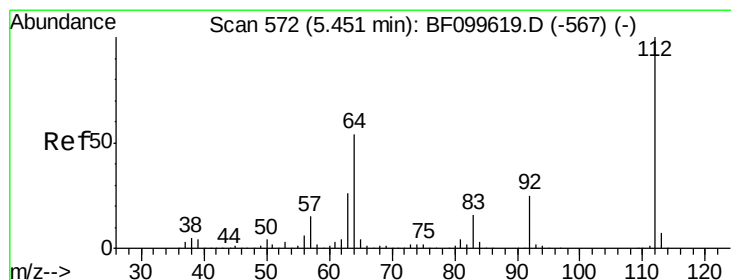
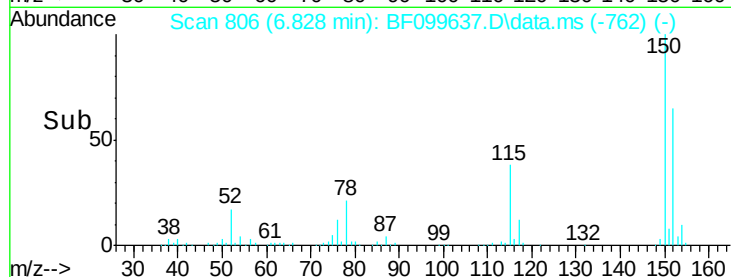
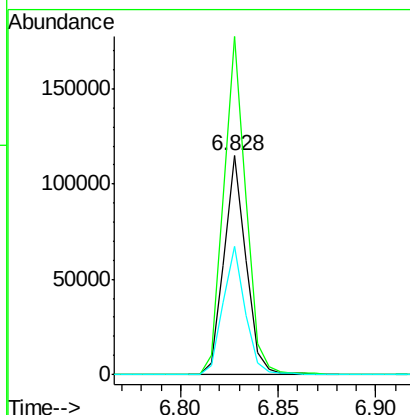
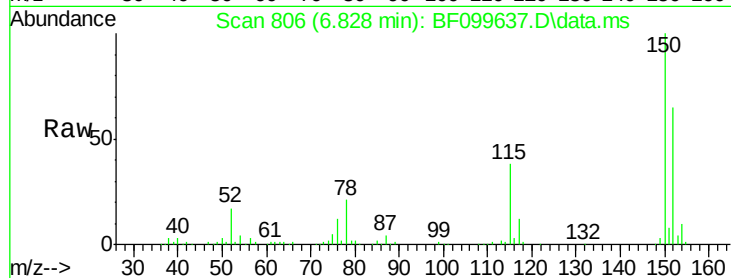
Tot Ion:152 Resp: 90025

Ion Ratio Lower Upper

152 100

150 154.4 124.6 186.8

115 58.5 50.1 75.1



#5

2-Fluorophenol

Concen: 48.40 ng

RT: 5.451 min Scan# 572

Delta R.T. -0.029 min

Lab File: BF099637.D

Acq: 19 Oct 2017 00:29

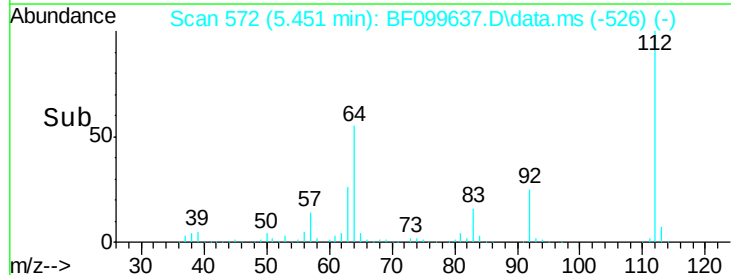
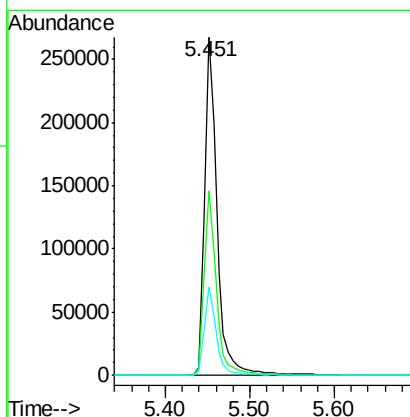
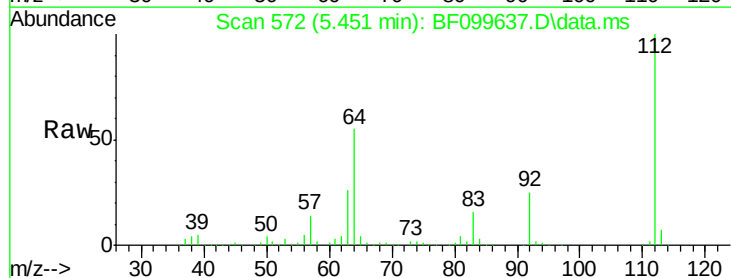
Tgt Ion:112 Resp: 273701

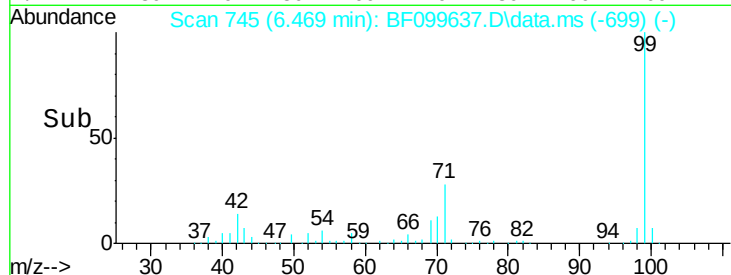
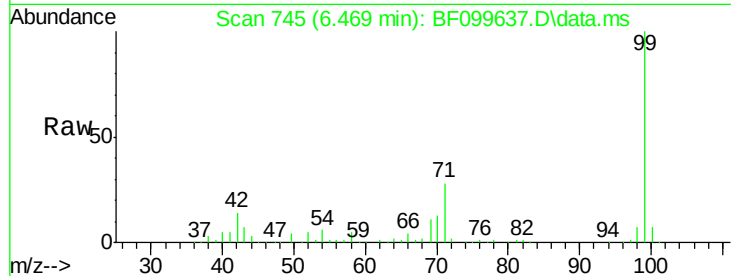
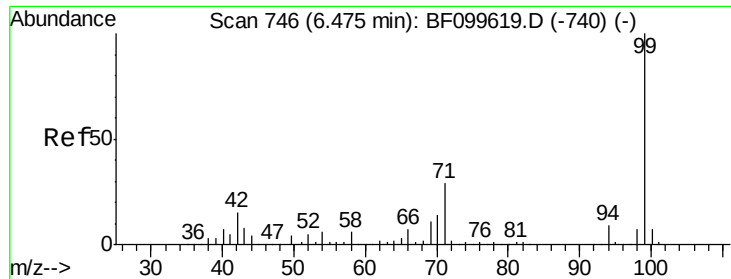
Ion Ratio Lower Upper

112 100

64 54.5 47.9 71.9

63 26.1 23.7 35.5





#7

Phenol-d6

Concen: 44.33 ng

RT: 6.469 min Scan# 74

Delta R.T. -0.029 min

Lab File: BF099637.D

Acq: 19 Oct 2017 00:29

Instrument :

BNA_F

ClientSampleId :

SU-03-101717

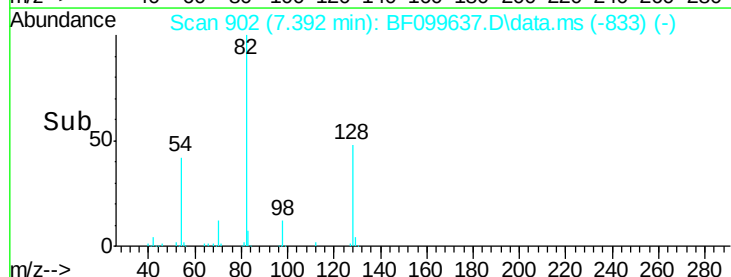
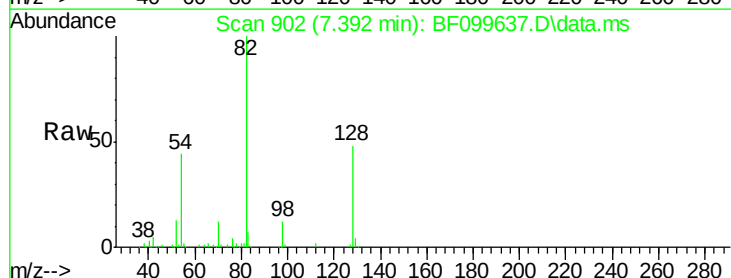
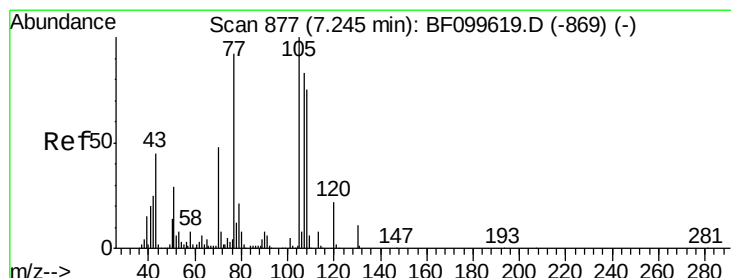
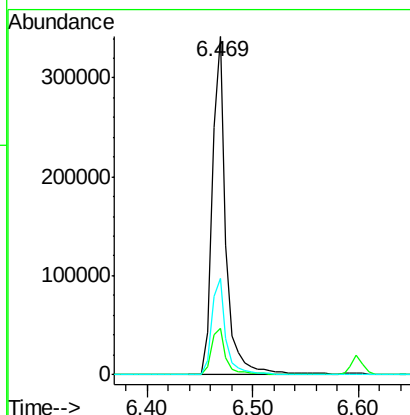
Tot Ion: 99 Resp: 309294

Ion Ratio Lower Upper

99 100

42 13.7 14.5 21.7#

71 28.5 25.4 38.0



#19

n-Nitroso-di-n-propylamine

Concen: 4.62 ng

RT: 7.392 min Scan# 902

Delta R.T. 0.106 min

Lab File: BF099637.D

Acq: 19 Oct 2017 00:29

Tgt Ion: 70 Resp: 20565

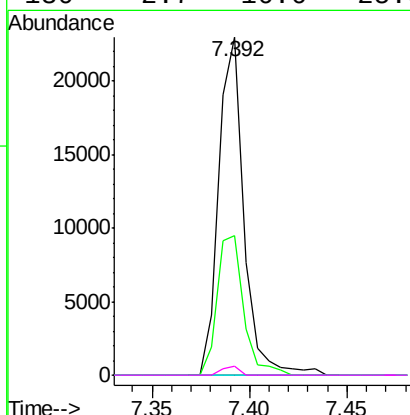
Ion Ratio Lower Upper

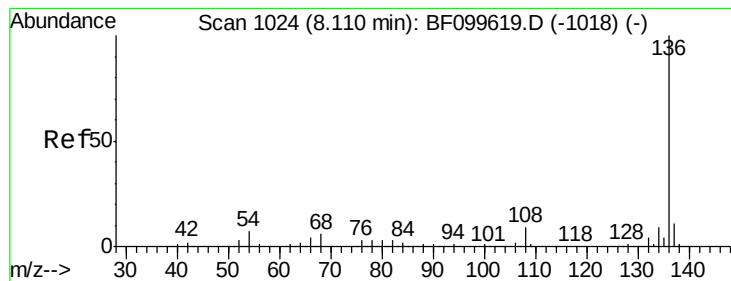
70 100

42 41.3 47.5 71.3#

101 0.0 7.4 11.2#

130 2.7 16.6 25.0#





#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.110 min Scan# 10

Delta R.T. -0.041 min

Lab File: BF099637.D

Acq: 19 Oct 2017 00:29

Instrument :

BNA_F

ClientSampleId :

SU-03-101717

Tot Ion:136 Resp: 317769

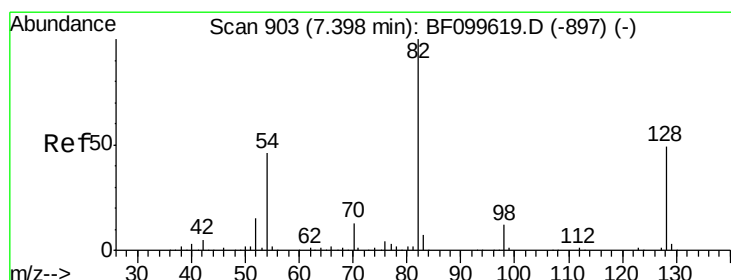
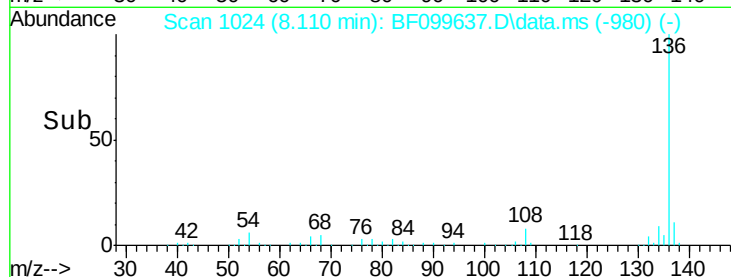
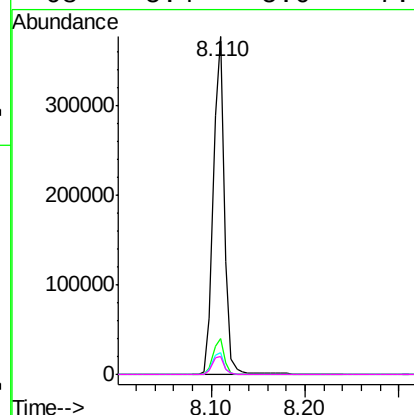
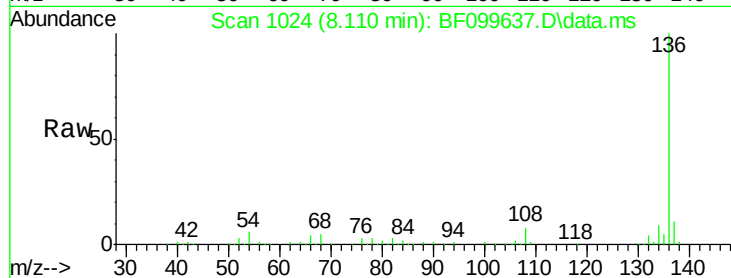
Ion Ratio Lower Upper

136 100

137 10.6 8.9 13.3

54 6.5 6.6 9.8#

68 5.4 5.0 7.4



#23

Nitrobenzene-d5

Concen: 33.81 ng

RT: 7.392 min Scan# 902

Delta R.T. -0.041 min

Lab File: BF099637.D

Acq: 19 Oct 2017 00:29

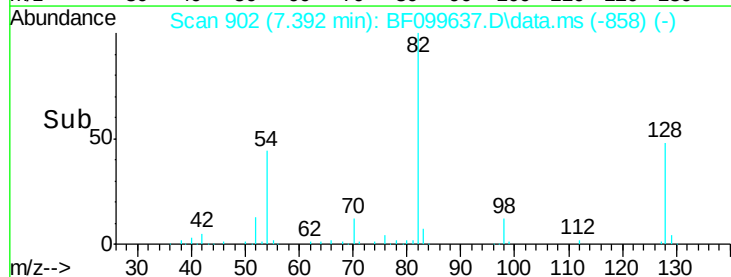
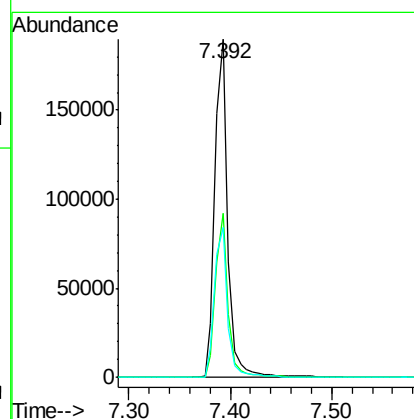
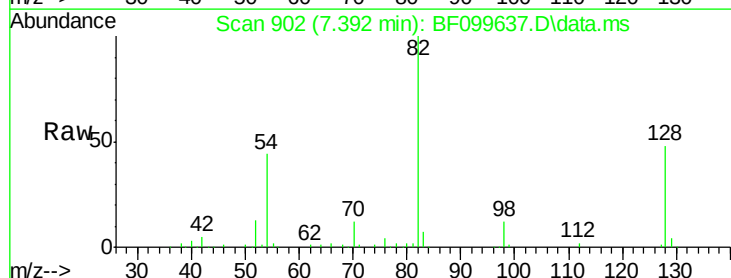
Tgt Ion: 82 Resp: 167511

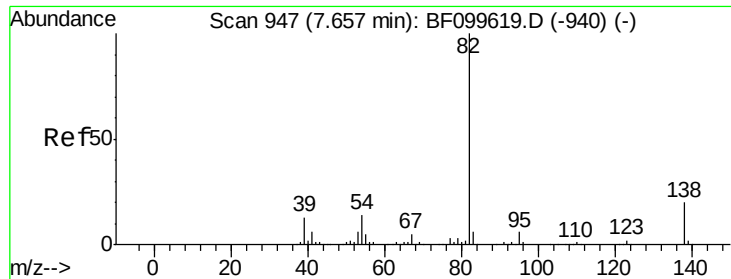
Ion Ratio Lower Upper

82 100

128 48.4 36.1 54.1

54 44.5 41.4 62.2





#25

Isophorone

Concen: 16.35 ng

RT: 7.392 min Scan# 90

Delta R.T. -0.300 min

Lab File: BF099637.D

Acq: 19 Oct 2017 00:29

Instrument :

BNA_F

ClientSampleId :

SU-03-101717

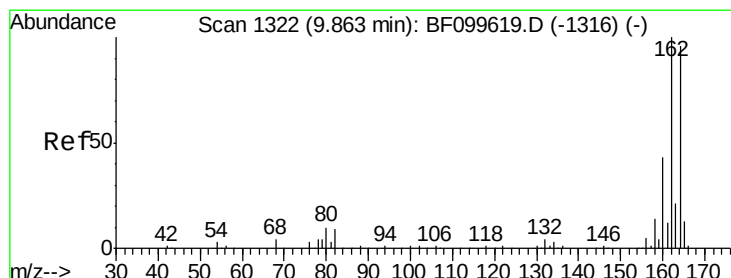
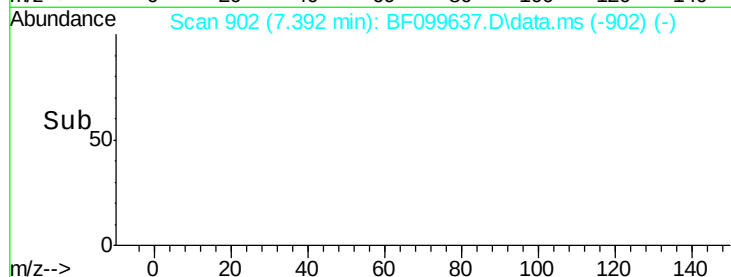
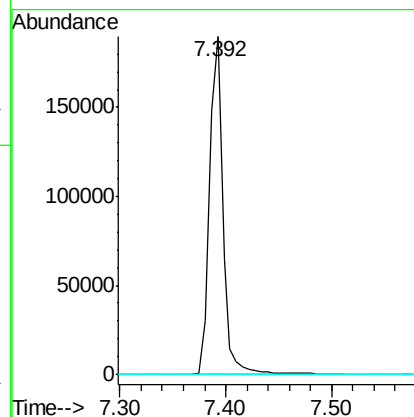
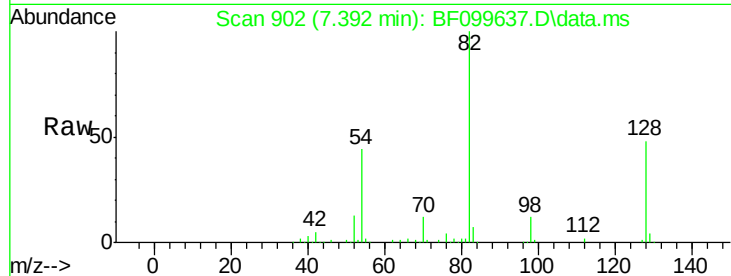
Tot Ion: 82 Resp: 167510

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: BF099637.D

Acq: 19 Oct 2017 00:29

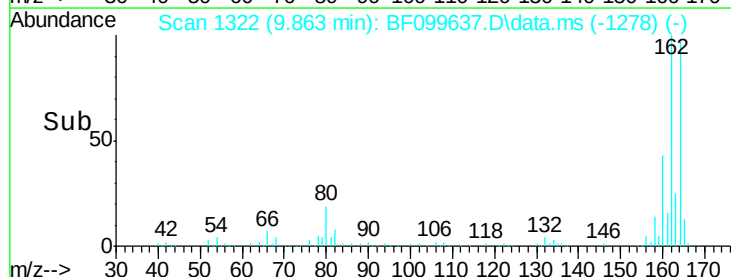
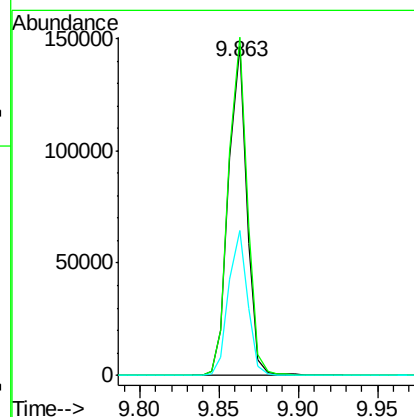
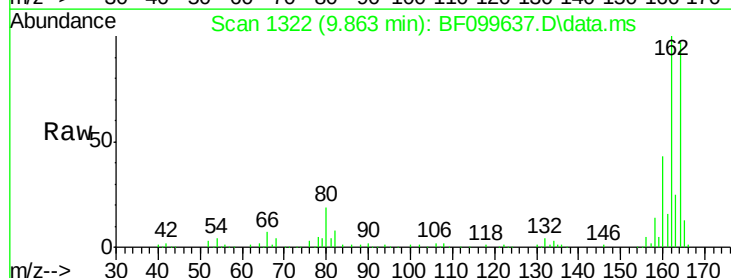
Tgt Ion:164 Resp: 118181

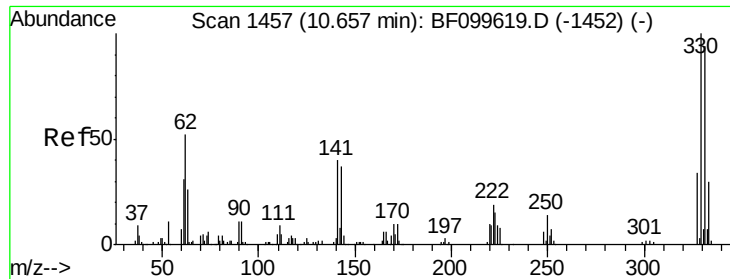
Ion Ratio Lower Upper

164 100

162 102.9 86.1 129.1

160 44.2 38.3 57.5

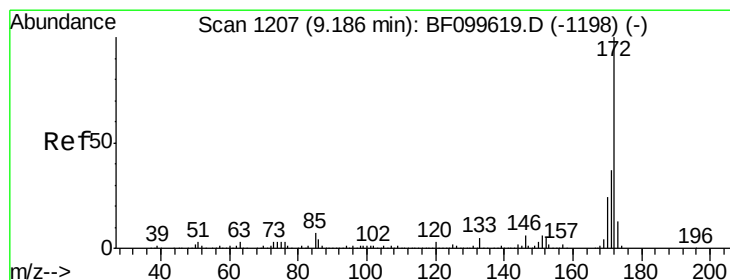
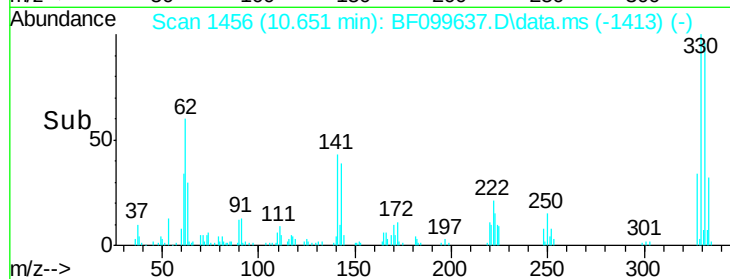
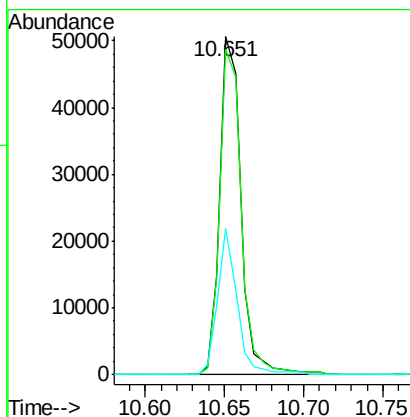
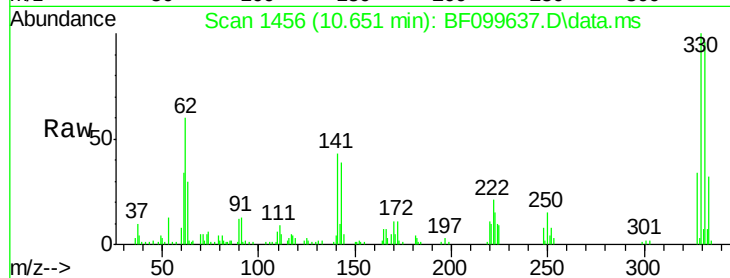




#41
 2,4,6-Tribromophenol
 Concen: 48.50 ng
 RT: 10.651 min Scan# 1457
 Delta R.T. -0.047 min
 Lab File: BF099637.D
 Acq: 19 Oct 2017 00:29

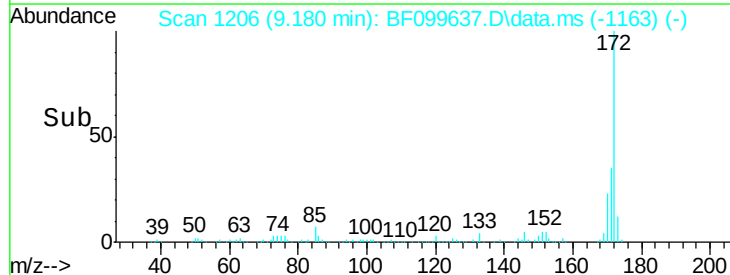
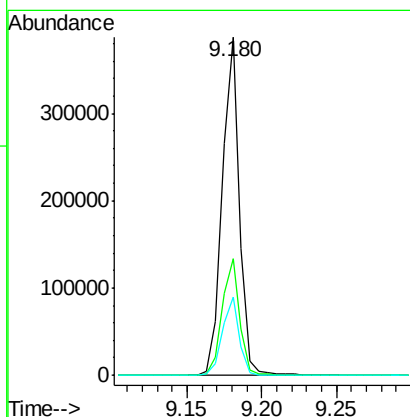
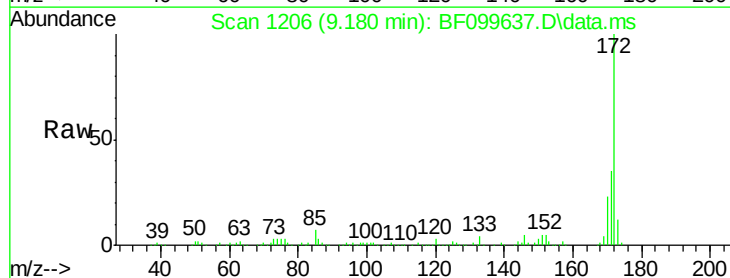
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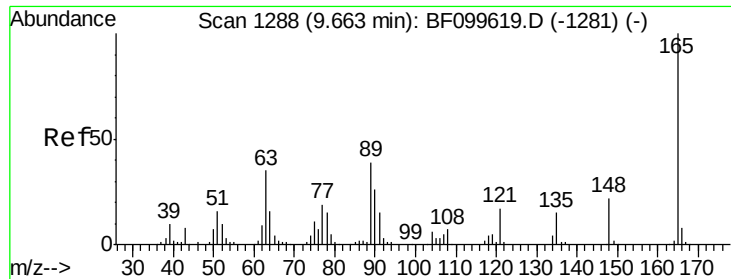
Tot Ion:330 Resp: 46902
 Ion Ratio Lower Upper
 330 100
 332 98.1 77.0 115.6
 141 39.9 29.9 44.9



#44
 2-Fluorobiphenyl
 Concen: 44.71 ng
 RT: 9.180 min Scan# 1206
 Delta R.T. -0.047 min
 Lab File: BF099637.D
 Acq: 19 Oct 2017 00:29

Tgt Ion:172 Resp: 316509
 Ion Ratio Lower Upper
 172 100
 171 34.6 29.7 44.5
 170 23.2 19.6 29.4

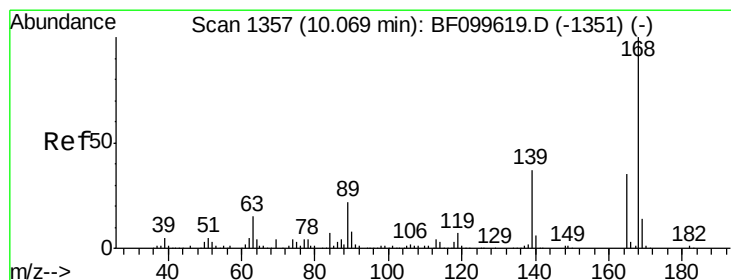
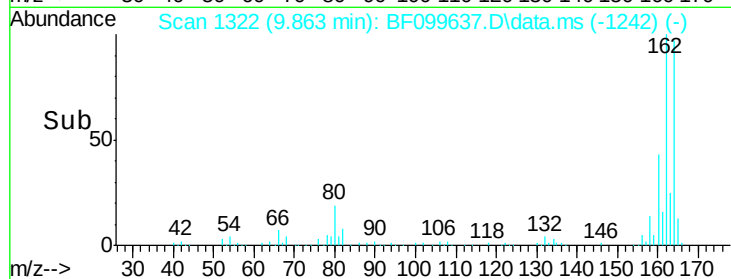
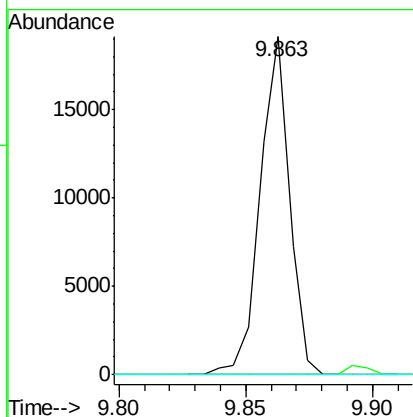
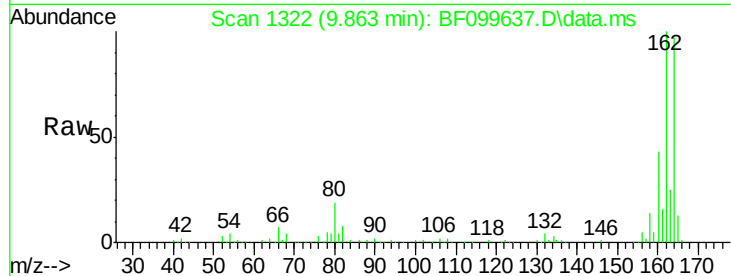




#50
 2,6-Dinitrotoluene
 Concen: 7.98 ng
 RT: 9.863 min Scan# 1312
 Delta R.T. 0.171 min
 Lab File: BF099637.D
 Acq: 19 Oct 2017 00:29

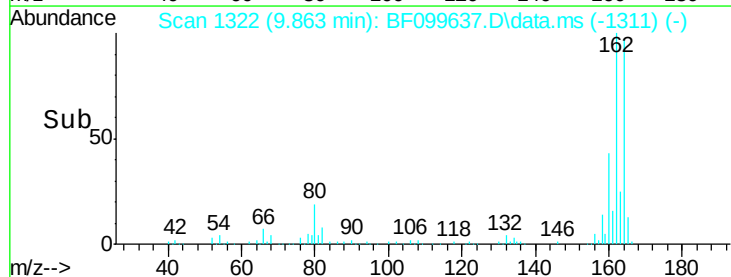
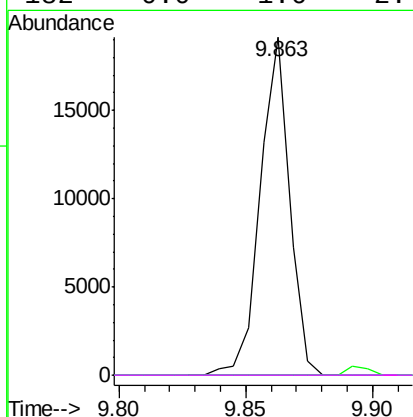
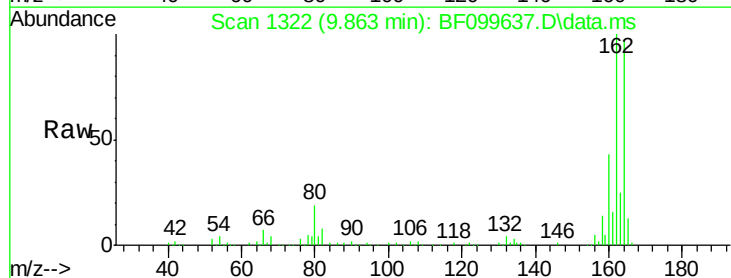
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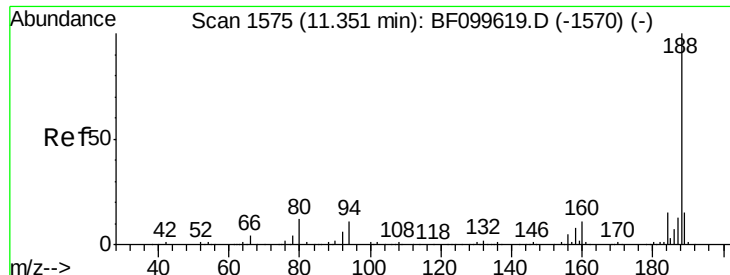
Tot Ion	Ratio	Lower	Upper
165	100		
63	0.0	44.7	67.1#
89	0.0	44.0	66.0#



#56
 2,4-Dinitrotoluene
 Concen: 6.15 ng
 RT: 9.863 min Scan# 1322
 Delta R.T. -0.235 min
 Lab File: BF099637.D
 Acq: 19 Oct 2017 00:29

Tgt 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#

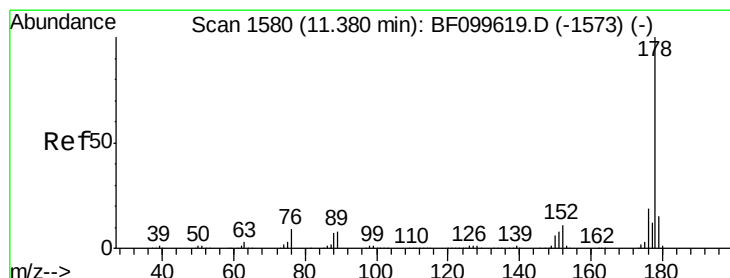
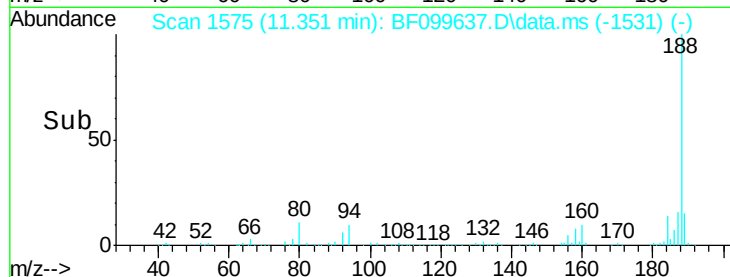
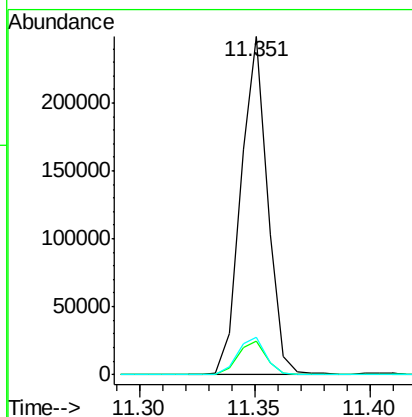
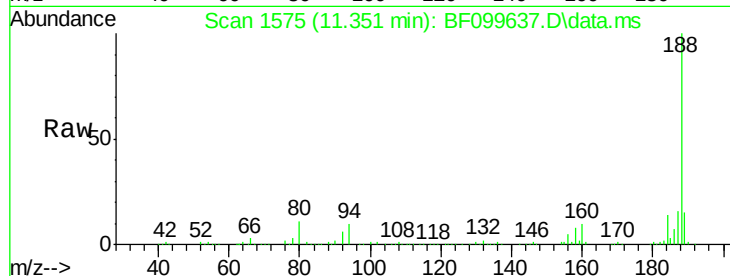




#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.351 min Scan# 1575
Delta R.T. -0.041 min
Lab File: BF099637.D
Acq: 19 Oct 2017 00:29

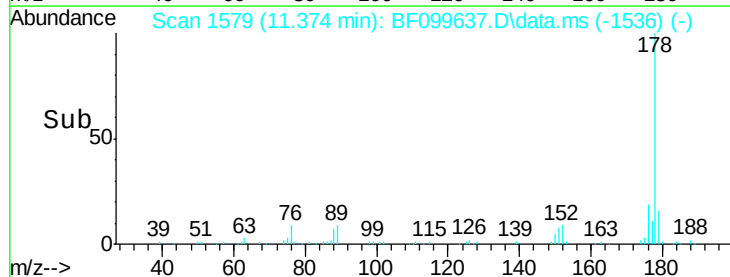
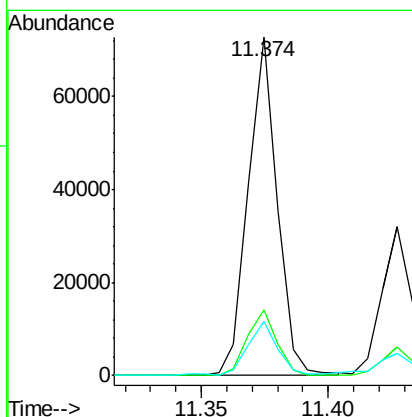
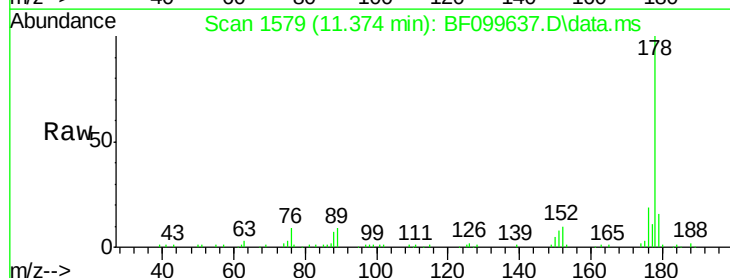
Instrument :
BNA_F
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SU-03-101717

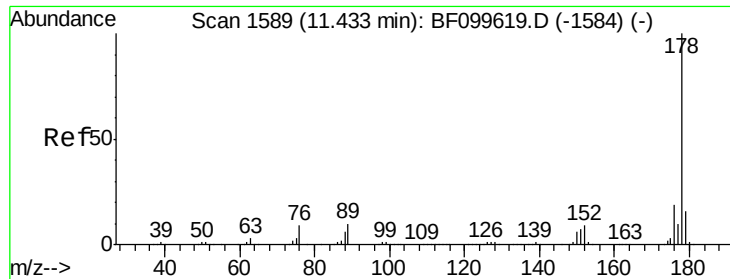
Tot Ion	Ratio	Lower	Upper
188	100		
94	9.8	8.5	12.7
80	11.0	9.2	13.8



#70
Phenanthrene
Concen: 5.42 ng
RT: 11.374 min Scan# 1579
Delta R.T. -0.047 min
Lab File: BF099637.D
Acq: 19 Oct 2017 00:29

Tgt Ion	Ratio	Lower	Upper
178	100		
176	19.3	15.8	23.8
179	15.8	13.0	19.6

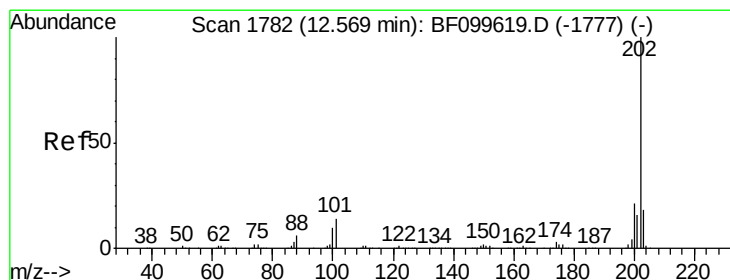
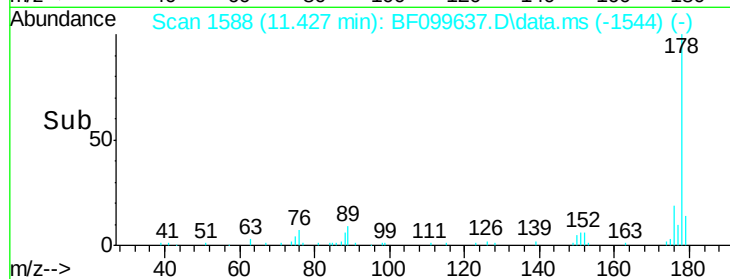
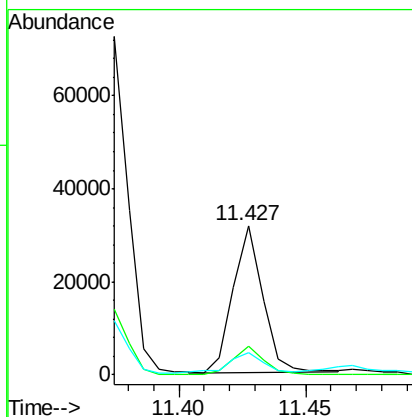
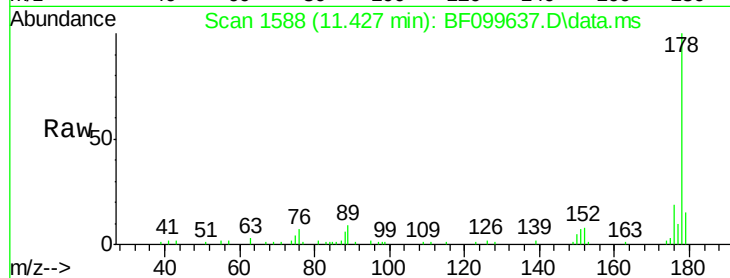




#71
 Anthracene
 Concen: 2.35 ng
 RT: 11.427 min Scan# 1589
 Delta R.T. -0.041 min
 Lab File: BF099637.D
 Acq: 19 Oct 2017 00:29

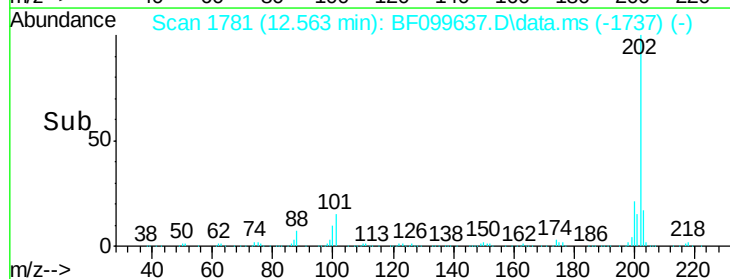
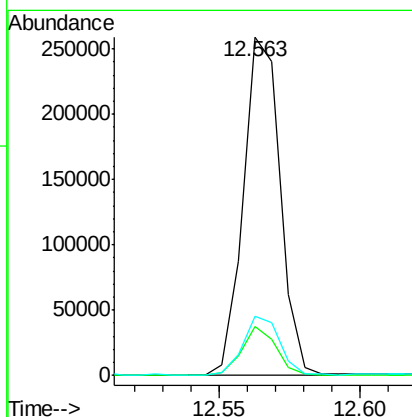
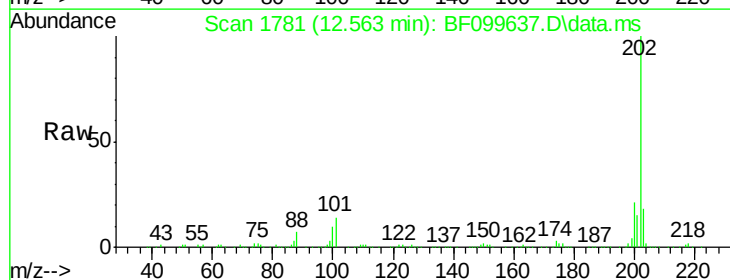
Instrument :
 BNA_F
 ClientSampleId :
 SU-03-101717

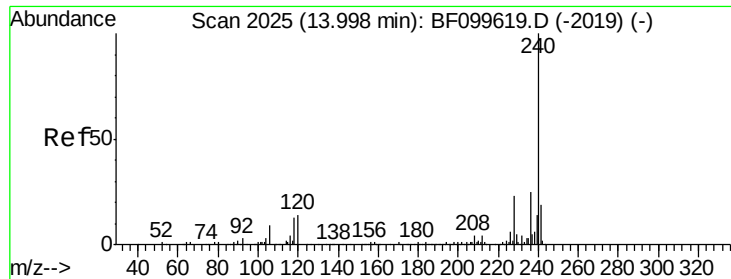
Tot Ion:178 Resp: 25800
 Ion Ratio Lower Upper
 178 100
 176 18.7 15.4 23.2
 179 14.7 12.6 19.0



#74
 Fluoranthene
 Concen: 21.66 ng
 RT: 12.563 min Scan# 1781
 Delta R.T. -0.041 min
 Lab File: BF099637.D
 Acq: 19 Oct 2017 00:29

Tgt Ion:202 Resp: 235059
 Ion Ratio Lower Upper
 202 100
 101 14.5 0.0 34.1
 203 17.6 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: BF099637.D

Acq: 19 Oct 2017 00:29

Instrument :

BNA_F

ClientSampleId :

SU-03-101717

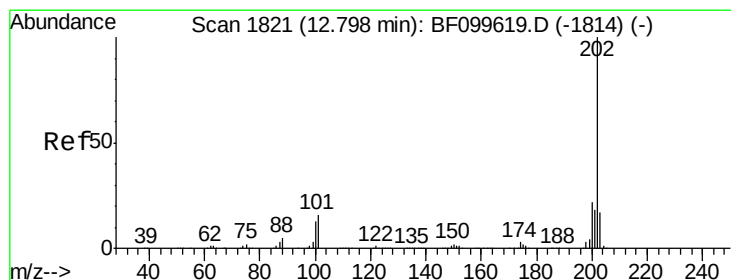
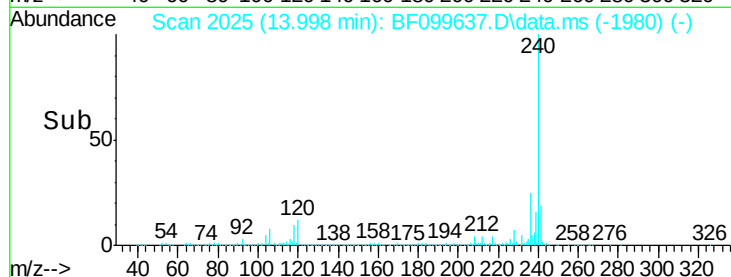
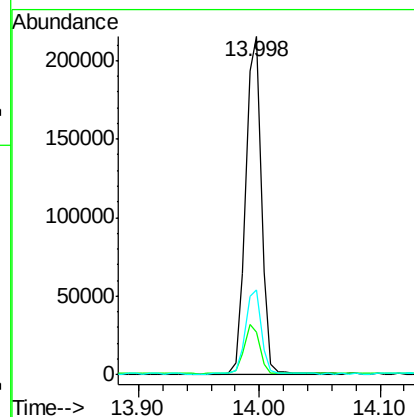
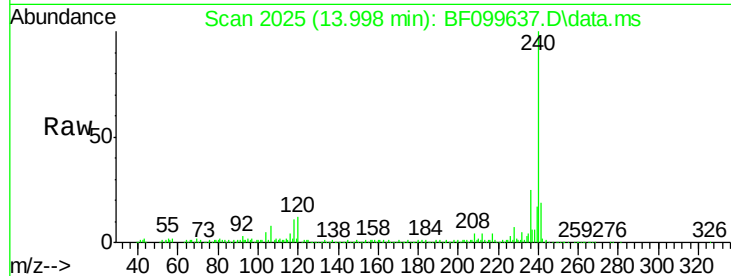
Tot Ion:240 Resp: 199231

Ion Ratio Lower Upper

240 100

120 12.4 9.5 14.3

236 25.1 20.7 31.1



#77

Pyrene

Concen: 12.96 ng

RT: 12.798 min Scan# 1821

Delta R.T. -0.041 min

Lab File: BF099637.D

Acq: 19 Oct 2017 00:29

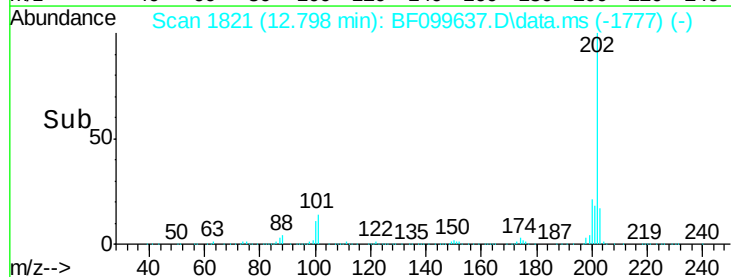
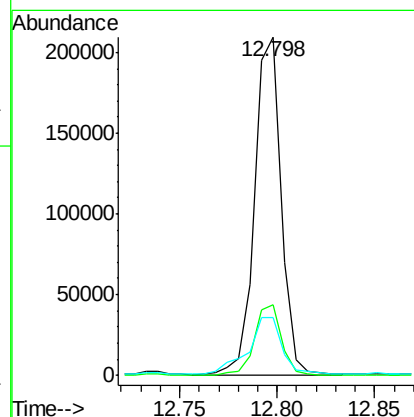
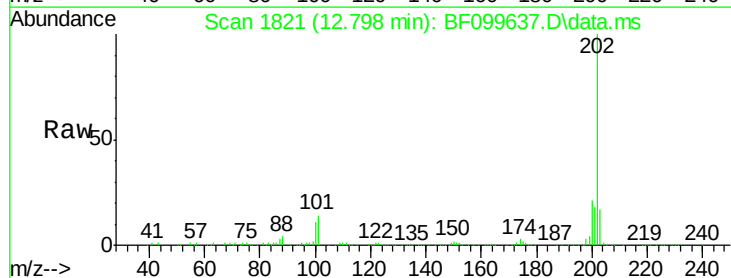
Tgt Ion:202 Resp: 196893

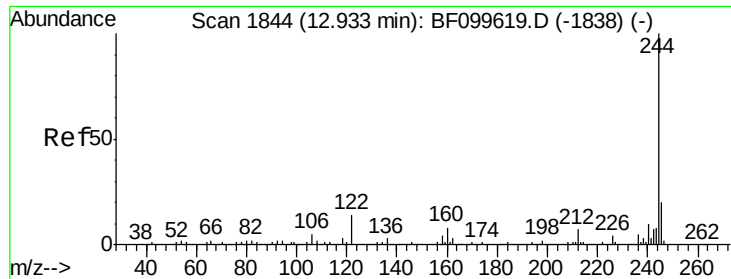
Ion Ratio Lower Upper

202 100

200 20.9 17.4 26.2

203 17.1 14.3 21.5





#78

Terphenyl-d14

Concen: 31.84 ng

RT: 12.927 min Scan# 18

Delta R.T. -0.047 min

Lab File: BF099637.D

Acq: 19 Oct 2017 00:29

Instrument :

BNA_F

ClientSampleId :

SU-03-101717

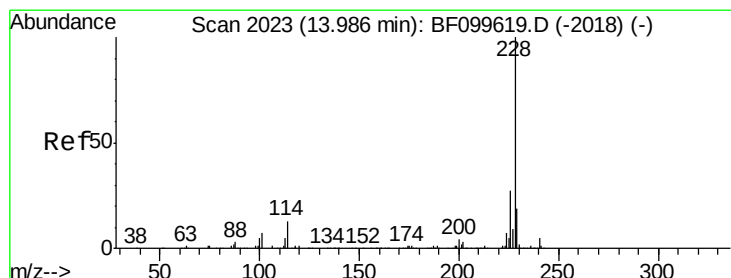
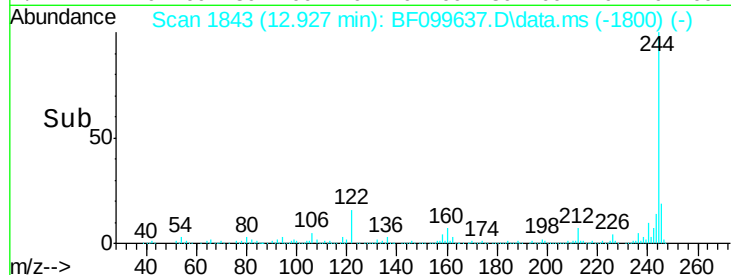
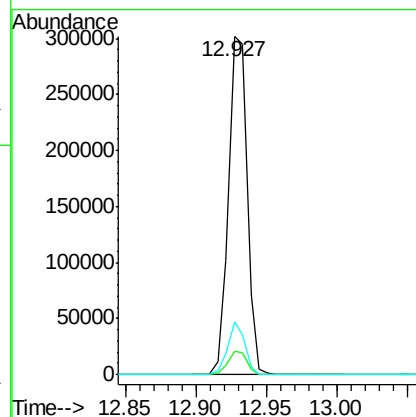
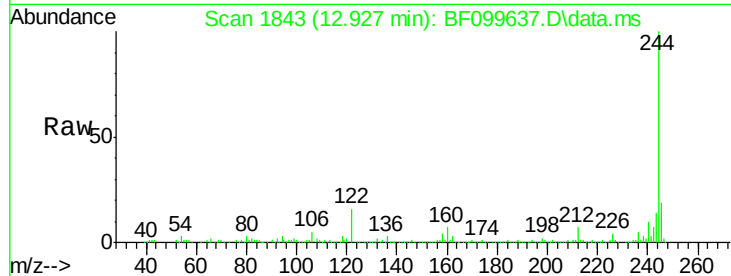
Tot Ion:244 Resp: 278909

Ion Ratio Lower Upper

244 100

212 6.9 5.4 8.0

122 15.5 11.0 16.4



#80

Benzo(a)anthracene

Concen: 8.98 ng

RT: 13.986 min Scan# 2023

Delta R.T. -0.035 min

Lab File: BF099637.D

Acq: 19 Oct 2017 00:29

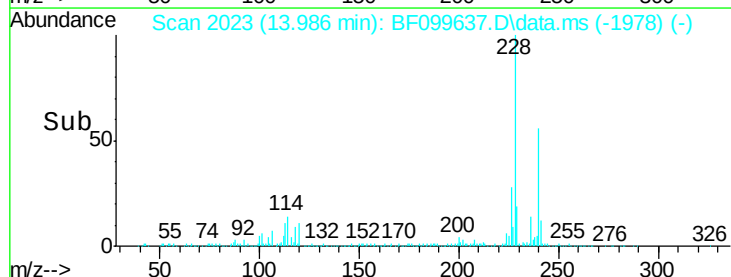
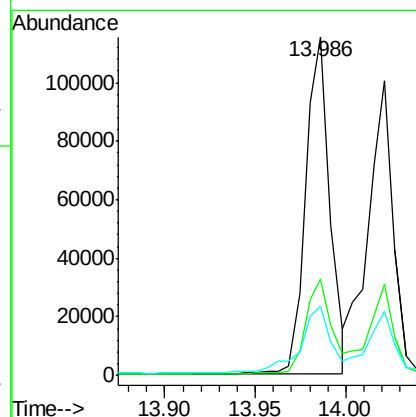
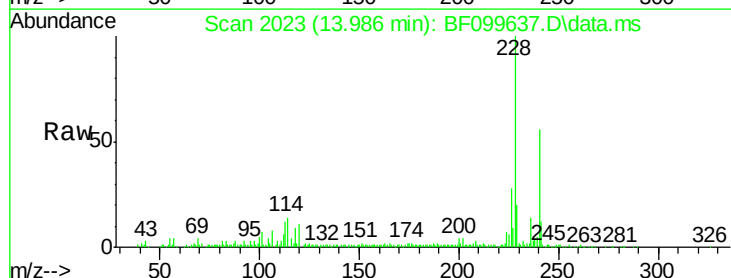
Tgt Ion:228 Resp: 108290

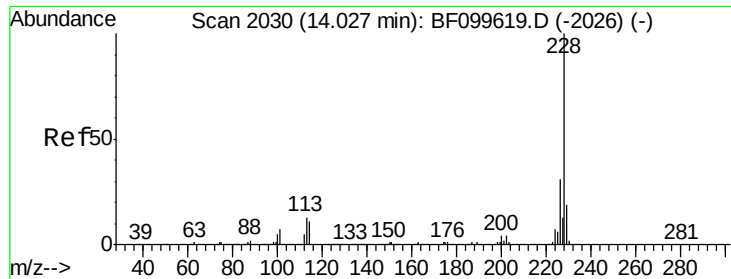
Ion Ratio Lower Upper

228 100

226 28.4 22.6 33.8

229 20.5 15.8 23.6





#82

Chrysene

Concen: 8.54 ng

RT: 14.021 min Scan# 20

Delta R.T. -0.041 min

Lab File: BF099637.D

Acq: 19 Oct 2017 00:29

Instrument :

BNA_F

ClientSampleId :

SU-03-101717

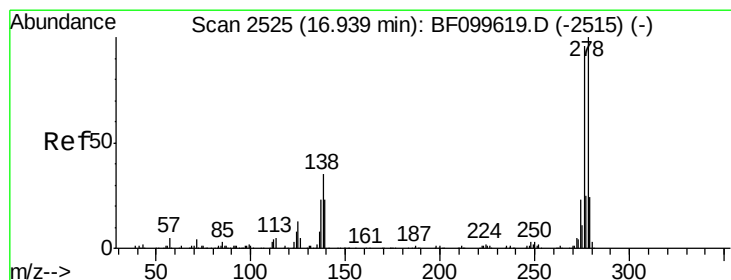
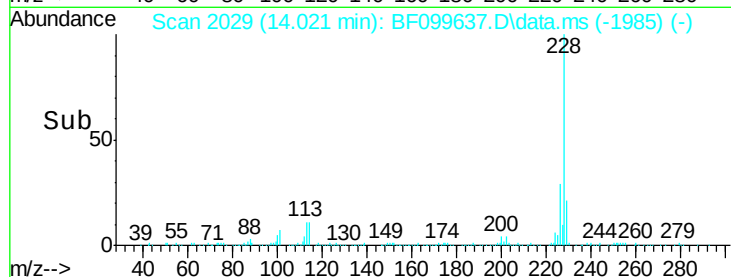
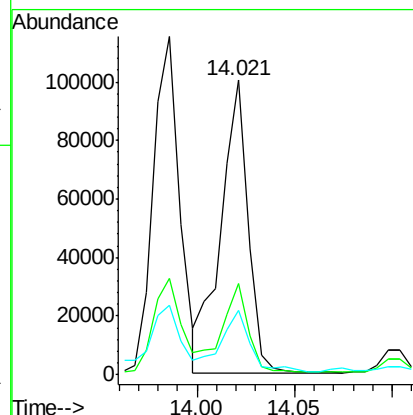
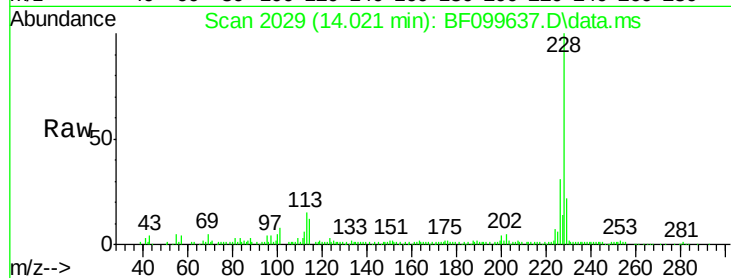
Tot Ion:228 Resp: 98046

Ion Ratio Lower Upper

228 100

226 30.8 25.0 37.6

229 21.9 16.2 24.4



#85

Indeno(1,2,3-cd)pyrene

Concen: 3.23 ng

RT: 16.945 min Scan# 2526

Delta R.T. -0.047 min

Lab File: BF099637.D

Acq: 19 Oct 2017 00:29

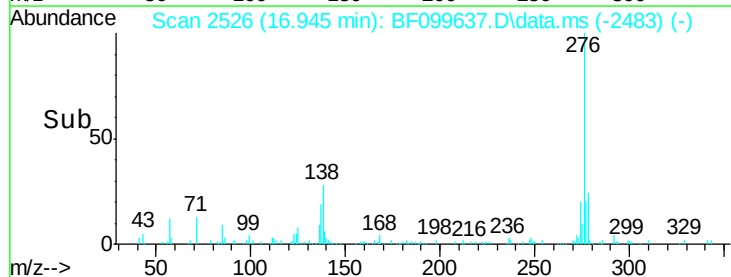
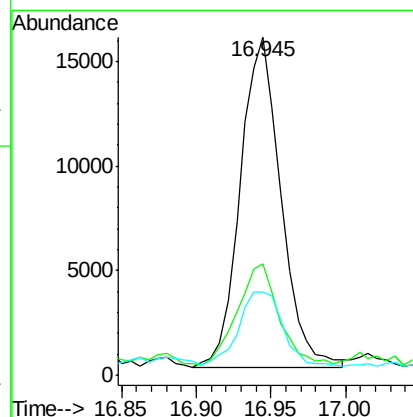
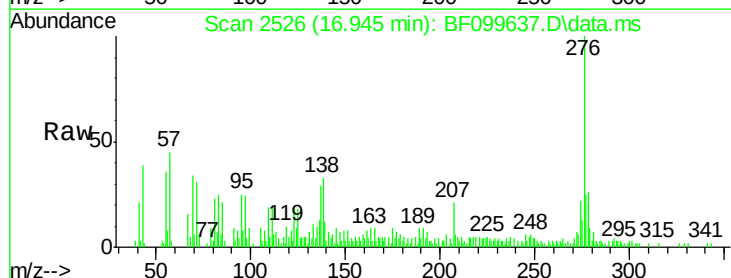
Tgt Ion:276 Resp: 29670

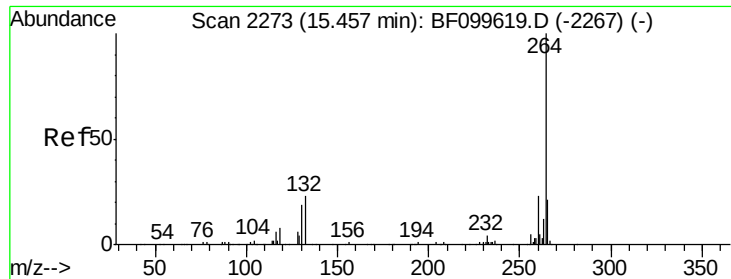
Ion Ratio Lower Upper

276 100

138 30.9 25.0 37.6

277 24.5 20.1 30.1

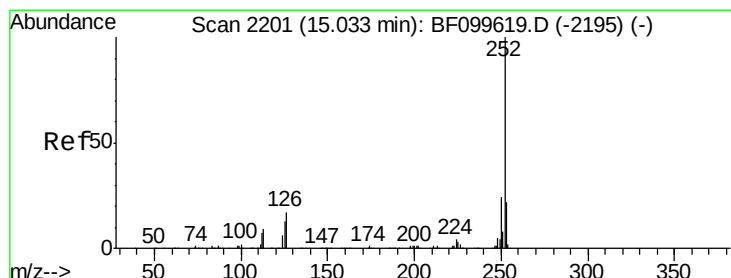
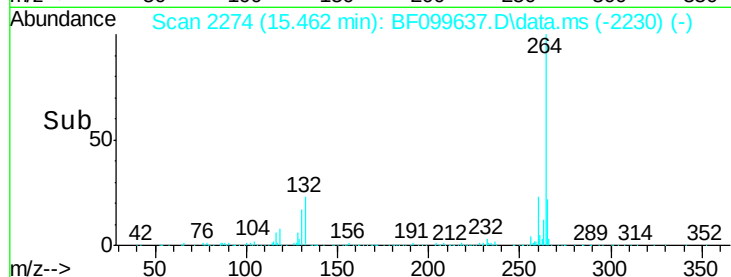
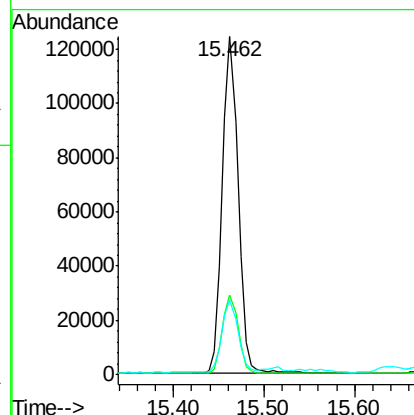
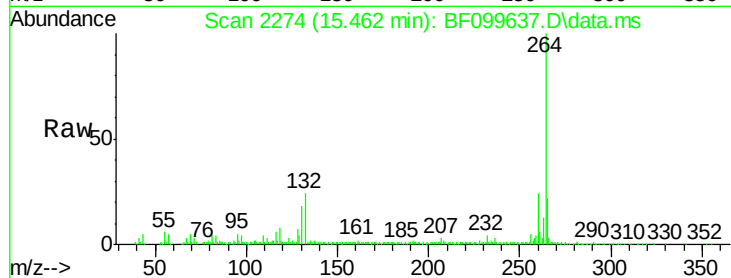




#86
 Pervlene-d12
 Concen: 20.00 ng
 RT: 15.462 min Scan# 2273
 Delta R.T. -0.041 min
 Lab File: BF099637.D
 Acq: 19 Oct 2017 00:29

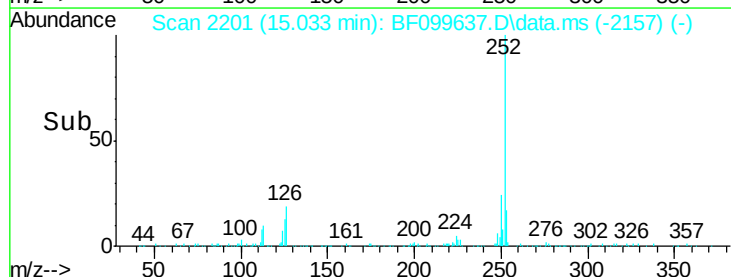
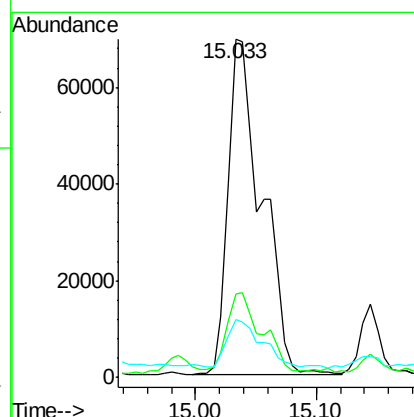
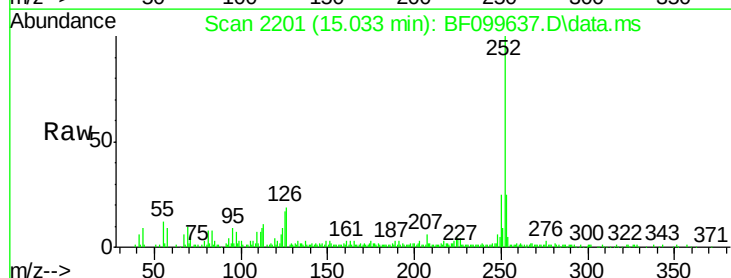
Instrument :
 BNA_F
 ClientSampleId :
 SU-03-101717

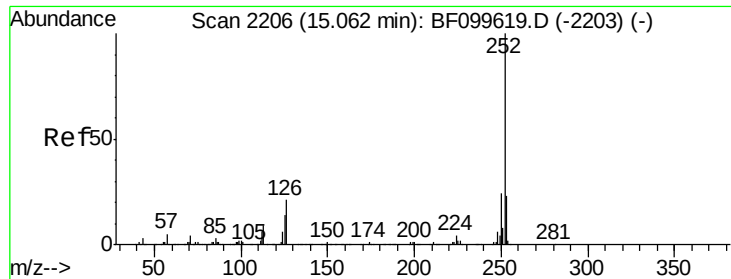
Tot Ion	Ratio	Lower	Upper
264	100		
260	23.6	19.2	28.8
265	22.0	17.5	26.3



#87
 Benzo(b)fluoranthene
 Concen: 14.50 ng
 RT: 15.033 min Scan# 2201
 Delta R.T. -0.041 min
 Lab File: BF099637.D
 Acq: 19 Oct 2017 00:29

Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.8	17.0	25.6
125	17.2	9.0	13.6





#88

Benzo(k)fluoranthene

Concen: 14.68 ng

RT: 15.033 min Scan# 2206

Delta R.T. -0.076 min

Lab File: BF099637.D

Acq: 19 Oct 2017 00:29

Instrument :

BNA_F

ClientSampleId :

SU-03-101717

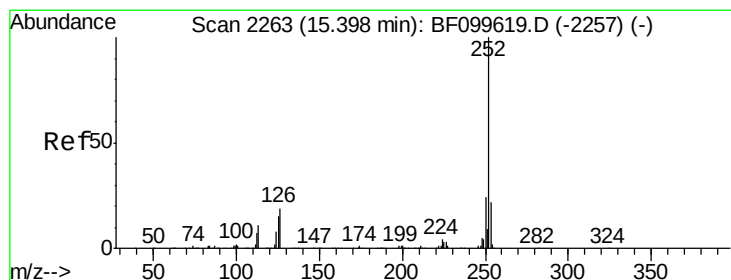
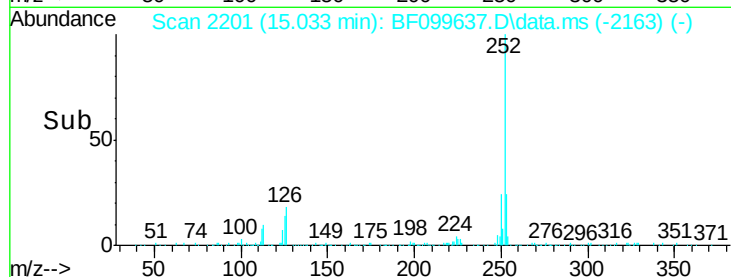
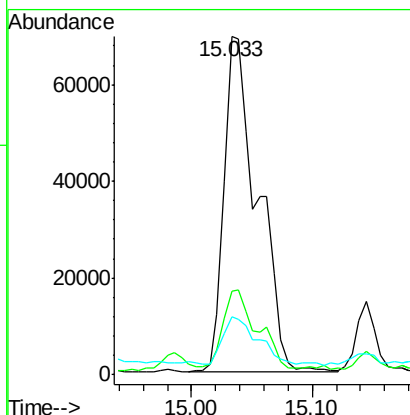
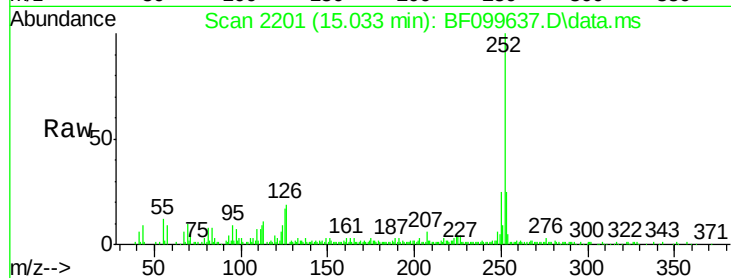
Tot Ion:252 Resp: 134095

Ion Ratio Lower Upper

252 100

253 24.8 17.9 26.9

125 17.2 10.2 15.2#



#89

Benzo(a)pyrene

Concen: 7.36 ng

RT: 15.404 min Scan# 2264

Delta R.T. -0.041 min

Lab File: BF099637.D

Acq: 19 Oct 2017 00:29

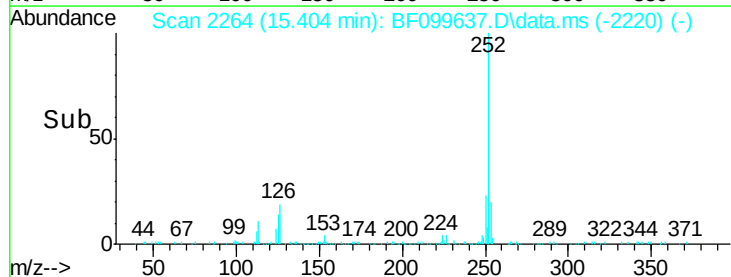
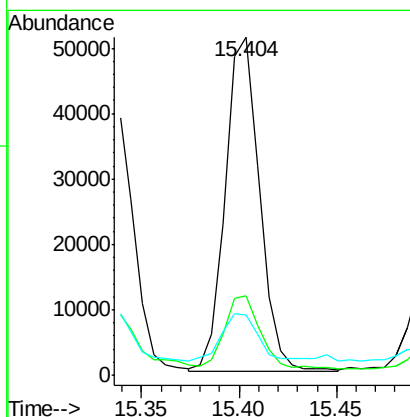
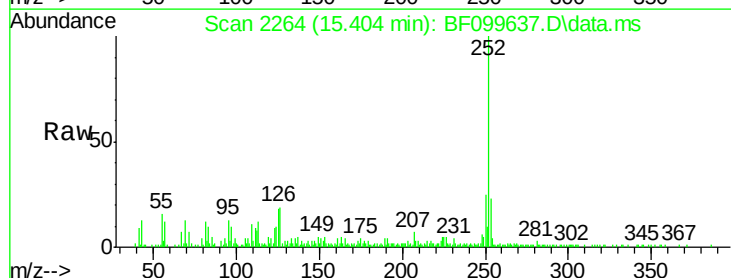
Tgt Ion:252 Resp: 62488

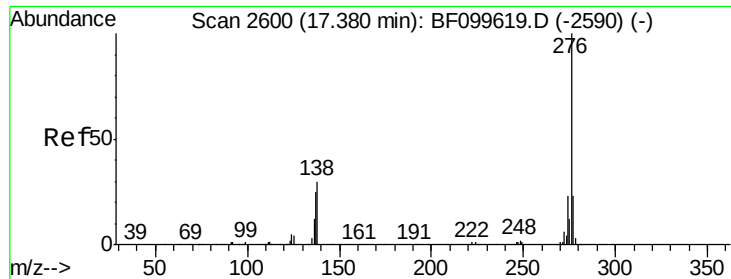
Ion Ratio Lower Upper

252 100

253 23.4 17.1 25.7

125 17.8 9.8 14.6#





#91

Benzo(a,h,i)perylene

Concen: 3.94 ng

RT: 17.392 min Scan# 26

Delta R.T. -0.053 min

Lab File: BF099637.D

Acq: 19 Oct 2017 00:29

Instrument :

BNA_F

ClientSampleId :

SU-03-101717

Tot Ion:276 Resp: 26451

Ion Ratio Lower Upper

276 100

277 27.4 17.9 26.9#

138 29.8 21.8 32.8

