

Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE070319\
 Data File : BE100372.D
 Acq On : 4 Jul 2019 18:21
 Operator : JU/SJ
 Sample : K3560-05
 Misc :
 ALS Vial : 39 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :

Quant Time: Jul 05 01:16:05 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA E\METHODS\8270-SIM-BE062819.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Jun 28 14:06:53 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.63	152	688	0.40	ng	-0.01
7) Naphthalene-d8	10.43	136	2372	0.40	ng	-0.01
13) Acenaphthene-d10	14.31	164	1820	0.40	ng	0.00
19) Phenanthrene-d10	17.05	188	5477	0.40	ng	0.00
27) Chrysene-d12	21.24	240	7330	0.40	ng	0.00
34) Perylene-d12	23.67	264	8797	0.40	ng	0.00

System Monitoring Compounds						
4) 2-Fluorophenol	5.20	112	515	0.29	ng	-0.01
5) Phenol-d6	6.83	99	696	0.30	ng	-0.01
8) Nitrobenzene-d5	8.81	82	558	0.24	ng	-0.01
11) 2-Methylnaphthalene-d10	12.04	152	1330	0.30	ng	-0.01
14) 2,4,6-Tribromophenol	15.81	330	405	0.32	ng	-0.01
15) 2-Fluorobiphenyl	12.93	172	2063	0.29	ng	-0.01
25) Fluoranthene-d10	19.09	212	21266	0.27	ng	0.00
29) Terphenyl-d14	19.70	244	4623	0.30	ng	0.00

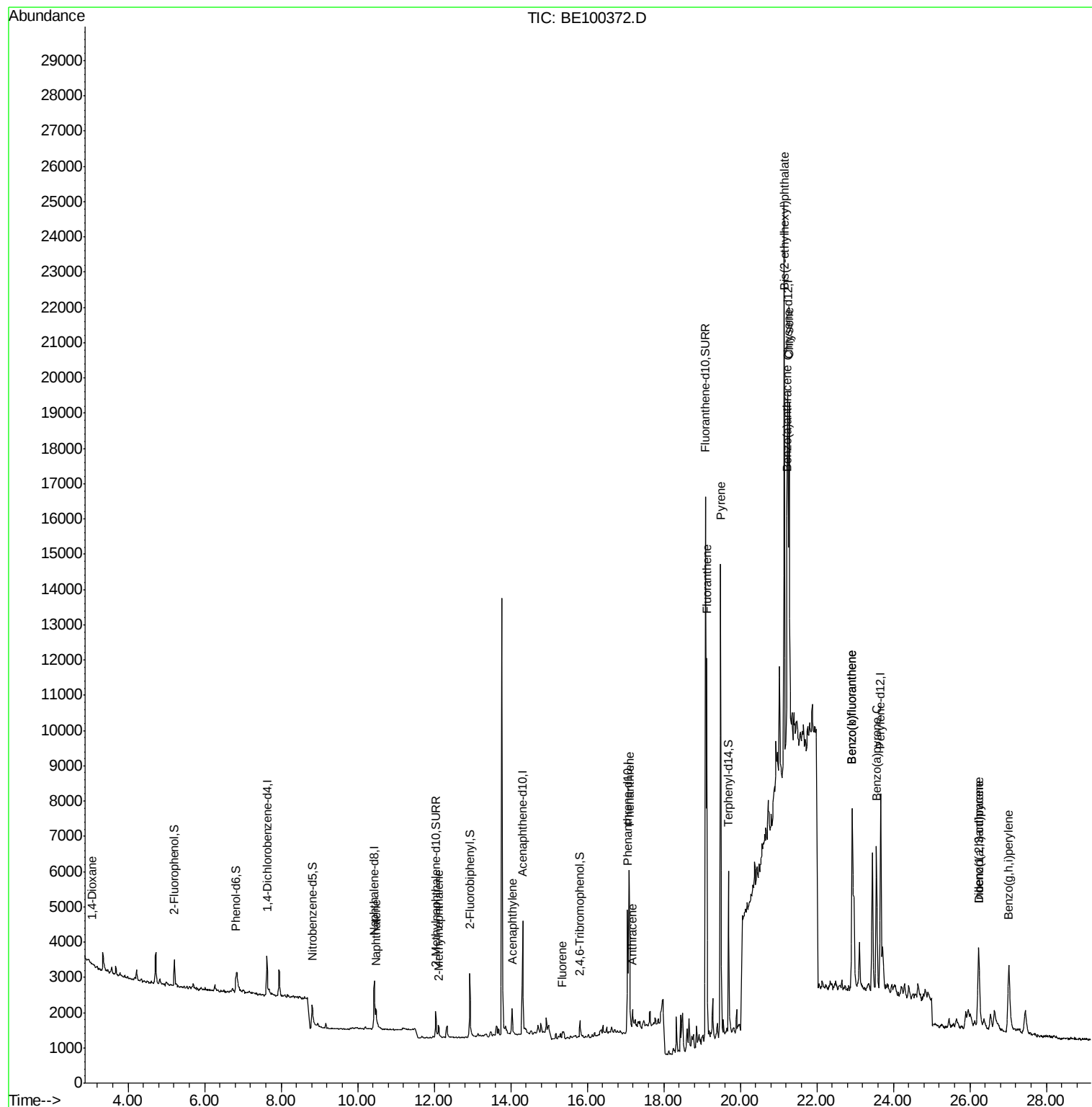
Target Compounds				Qvalue		
2) 1,4-Dioxane	3.06	88	28	0.026	ng	# 32
9) Naphthalene	10.48	128	1121	0.043	ng	# 82
12) 2-Methylnaphthalene	12.11	142	286	0.062	ng	# 92
16) Acenaphthylene	14.04	152	1136	0.130	ng	# 96
18) Fluorene	15.35	166	255	0.035	ng	# 7
23) Phenanthrene	17.09	178	5197	0.391	ng	98
24) Anthracene	17.19	178	802	0.067	ng	# 90
26) Fluoranthene	19.12	202	10374	0.491	ng	98
28) Pyrene	19.49	202	13889	0.716	ng	96
30) Benzo(a)anthracene	21.22	228	7592	0.315	ng	# 80
31) Chrysene	21.28	228	10186	0.421	ng	# 88
32) Bis(2-ethylhexyl)phthalate	21.15	149	16478	0.426	ng	# 99
33) Indeno(1,2,3-cd)pyrene	26.23	276	4907	0.153	ng	# 97
35) Benzo(b)fluoranthene	22.93	252	9838	0.412	ng	# 75
36) Benzo(k)fluoranthene	22.93	252	9838	0.370	ng	# 73
37) Benzo(a)pyrene	23.56	252	6803	0.285	ng	# 68
38) Dibenzo(a,h)anthracene	26.24	278	1262	0.051	ng	# 1
39) Benzo(a,h,i)perylene	27.02	276	5762	0.225	ng	# 80

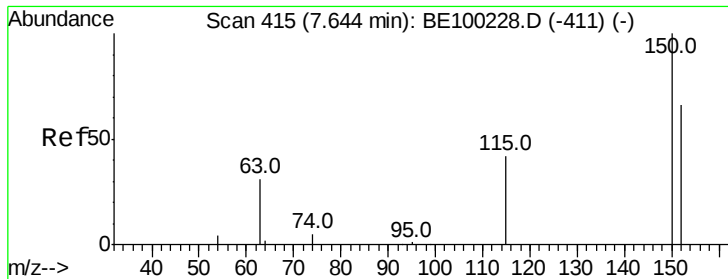
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE070319\
Data File : BE100372.D
Acq On : 4 Jul 2019 18:21
Operator : JU/SJ
Sample : K3560-05
Misc :
ALS Vial : 39 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :

Quant Time: Jul 05 01:16:05 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA E\METHODS\8270-SIM-BE062819.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Jun 28 14:06:53 2019
Response via : Initial Calibration



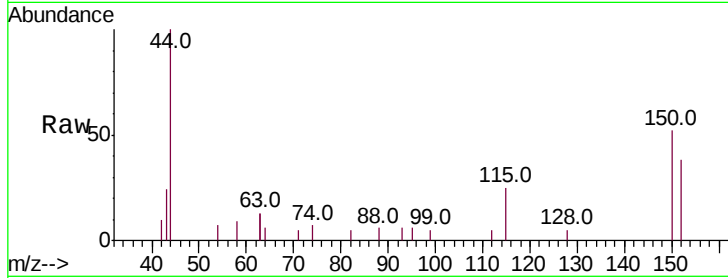


#1

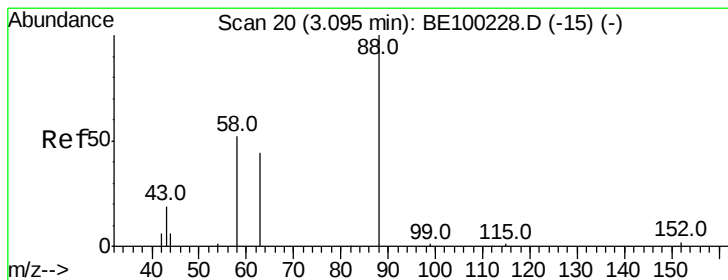
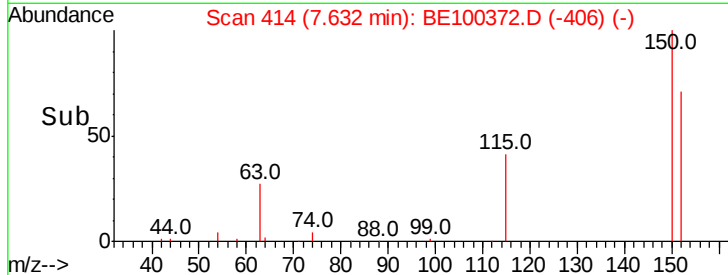
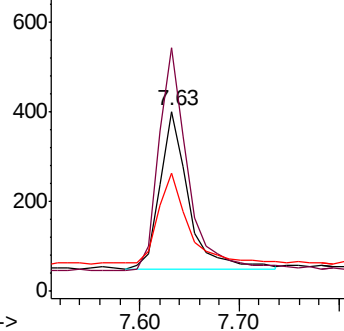
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.63 min Scan# 414
Delta R.T. -0.01 min
Lab File: BE100372.D
Acq: 4 Jul 2019 18:21

Instrument :
BNA_E
ClientSampleId :

Tot Ion:152 Resp: 688
Ion Ratio Lower Upper
152 100
150 135.4 114.5 171.7
115 65.8 57.1 85.7



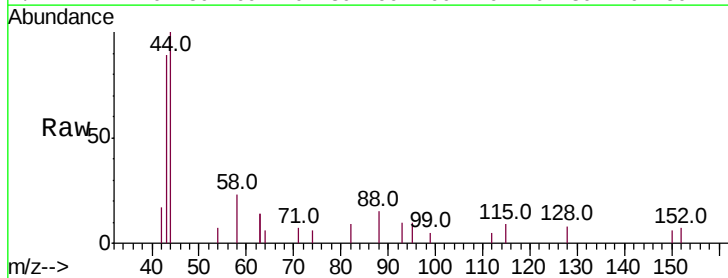
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



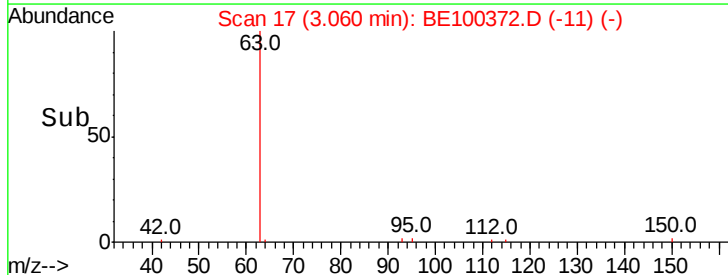
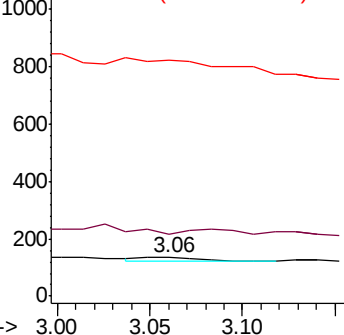
#2

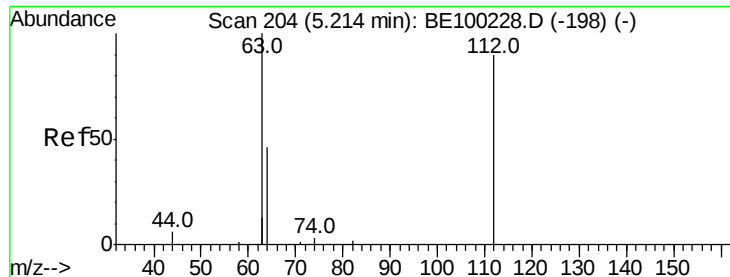
1,4-Dioxane
Concen: 0.026 ng
RT: 3.06 min Scan# 17
Delta R.T. -0.03 min
Lab File: BE100372.D
Acq: 4 Jul 2019 18:21

Tgt Ion: 88 Resp: 28
Ion Ratio Lower Upper
88 100
58 0.0 43.6 65.4#
43 0.0 21.4 32.0#



Abundance Ion 88.00 (87.70 to 88.70): BE1
Ion 58.00 (57.70 to 58.70): BE1
Ion 43.00 (42.70 to 43.70): BE1





#4

2-Fluorophenol

Concen: 0.293 ng

RT: 5.20 min Scan# 203

Delta R.T. -0.01 min

Lab File: BE100372.D

Acq: 4 Jul 2019 18:21

Instrument :

BNA_E

ClientSampleId :

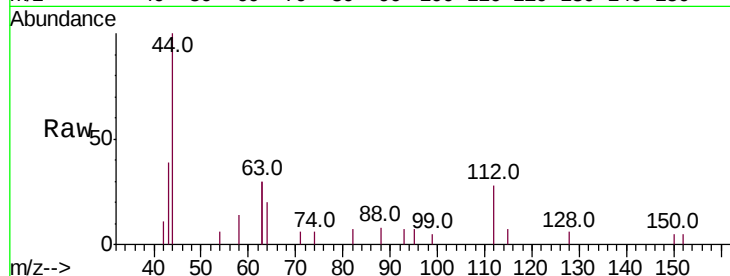
Tot Ion: 112 Resp: 515

Ion Ratio Lower Upper

112 100

64 59.4 39.4 59.0#

63 148.9 104.5 156.7



Abundance Ion 112.00 (111.70 to 112.70): BE1

Ion 64.00 (63.70 to 64.70): BE1

Ion 63.00 (62.70 to 63.70): BE1

800

600

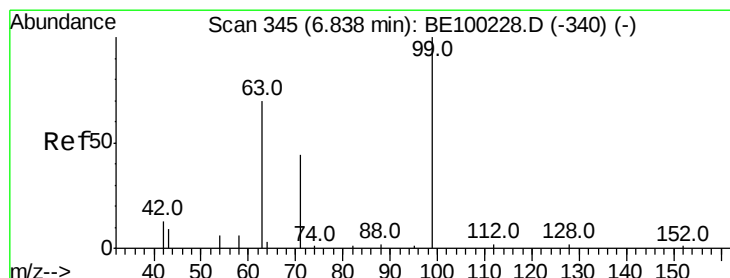
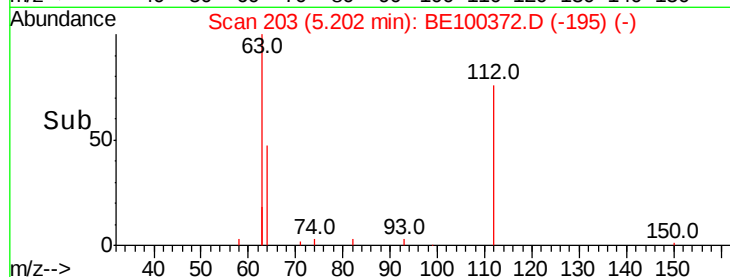
400

200

0

5.10 5.20 5.30

Time-->



#5

Phenol-d6

Concen: 0.302 ng

RT: 6.83 min Scan# 344

Delta R.T. -0.01 min

Lab File: BE100372.D

Acq: 4 Jul 2019 18:21

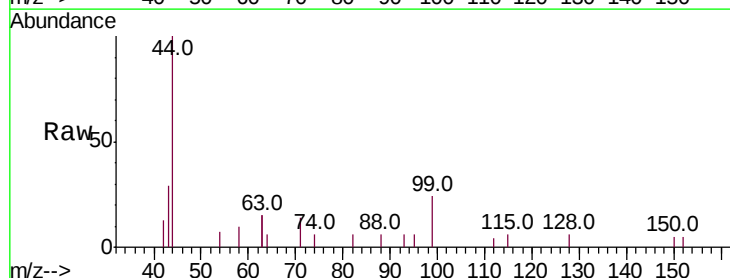
Tgt Ion: 99 Resp: 696

Ion Ratio Lower Upper

99 100

42 17.5 11.2 16.8#

71 42.0 37.2 55.8



Abundance Ion 99.00 (98.70 to 99.70): BE1

Ion 42.00 (41.70 to 42.70): BE1

Ion 71.00 (70.70 to 71.70): BE1

300

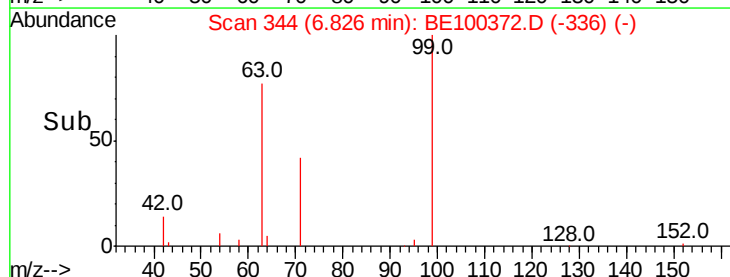
200

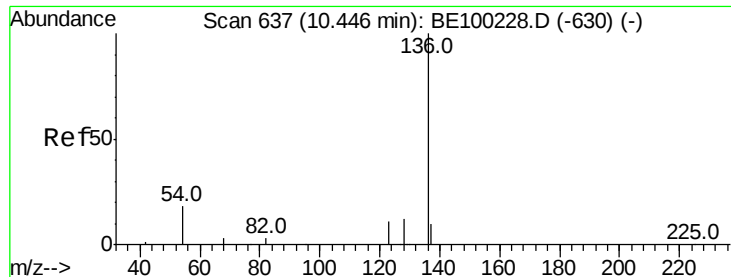
100

0

6.70 6.80 6.90 7.00

Time-->





#7

Naphthalene-d8

Concen: 0.400 ng

RT: 10.43 min Scan# 636

Delta R.T. -0.01 min

Lab File: BE100372.D

Acq: 4 Jul 2019 18:21

Instrument :

BNA_E

ClientSampleId :

Tot Ion:136 Resp: 2372

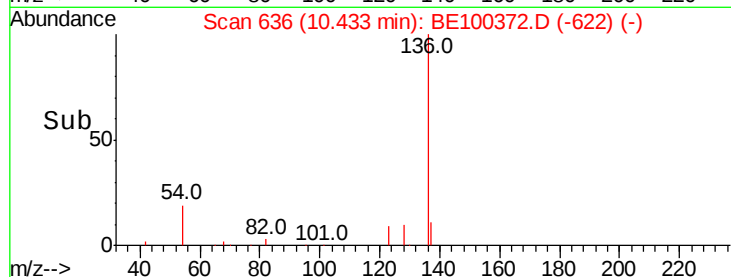
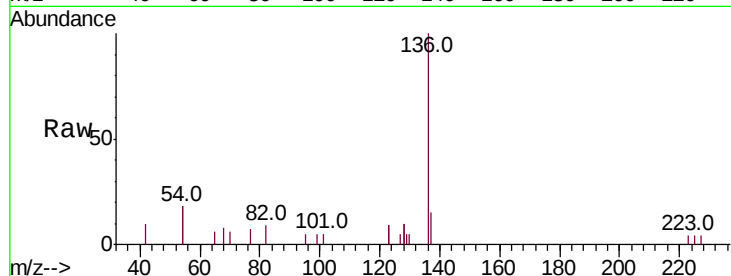
Ion Ratio Lower Upper

136 100

137 15.1 11.8 17.8

54 36.7 27.7 41.5

68 8.1 6.8 10.2

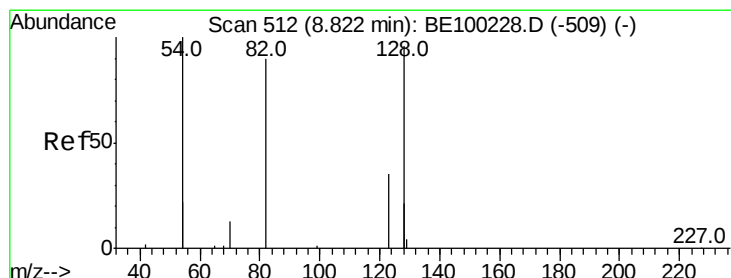
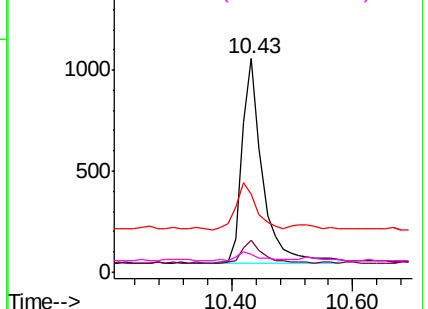


Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BE1

Ion 68.00 (67.70 to 68.70): BE1



#8

Nitrobenzene-d5

Concen: 0.237 ng

RT: 8.81 min Scan# 511

Delta R.T. -0.01 min

Lab File: BE100372.D

Acq: 4 Jul 2019 18:21

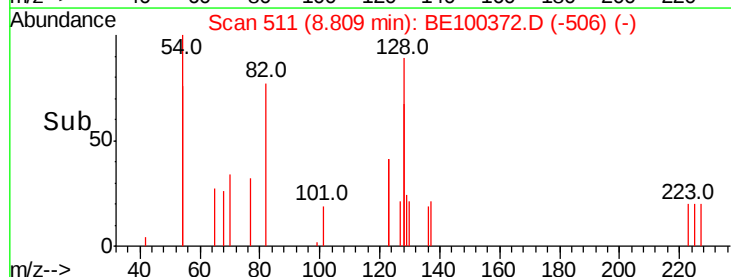
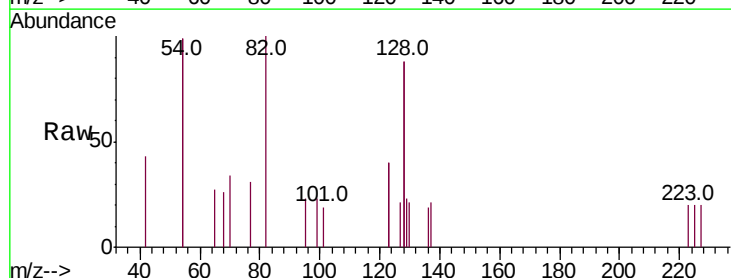
Tgt Ion: 82 Resp: 558

Ion Ratio Lower Upper

82 100

128 176.2 140.9 211.3

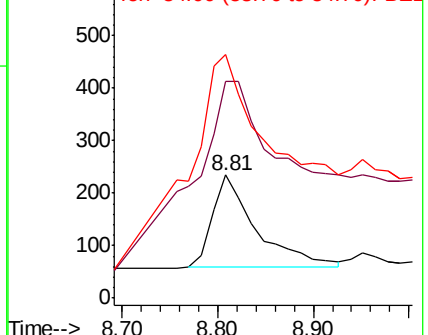
54 197.4 146.2 219.2

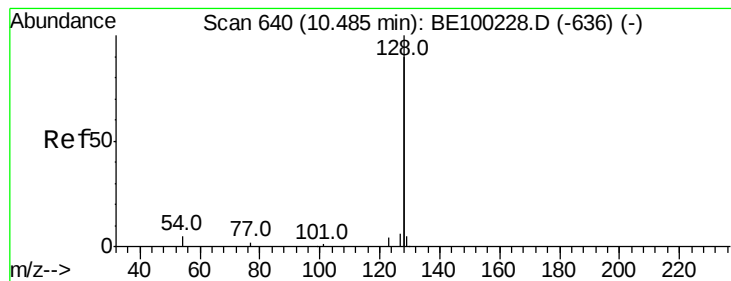


Abundance Ion 82.00 (81.70 to 82.70): BE1

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BE1





#9

Naphthalene

Concen: 0.043 ng

RT: 10.48 min Scan# 640

Delta R.T. 0.00 min

Lab File: BE100372.D

Acq: 4 Jul 2019 18:21

Instrument :

BNA_E

ClientSampleId :

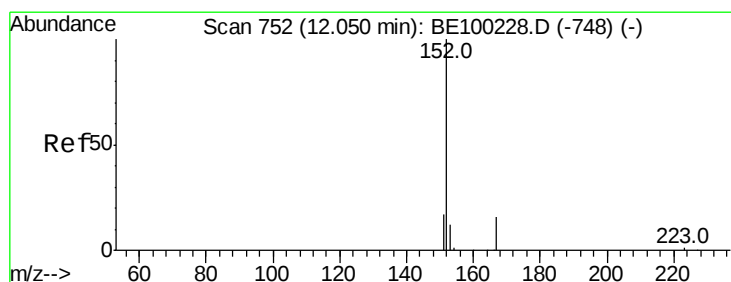
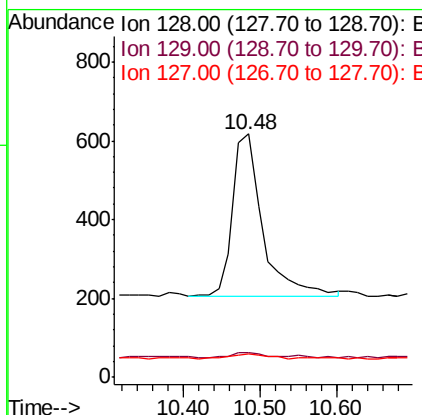
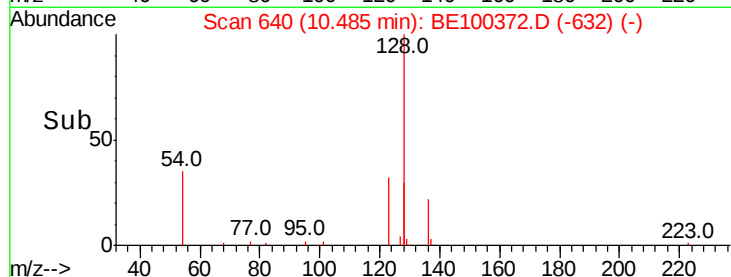
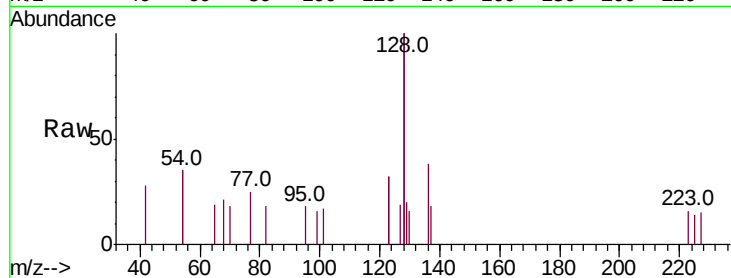
Tot Ion:128 Resp: 1121

Ion Ratio Lower Upper

128 100

129 10.2 3.0 4.6#

127 9.7 3.5 5.3#



#11

2-Methylnaphthalene-d10

Concen: 0.298 ng

RT: 12.04 min Scan# 751

Delta R.T. -0.01 min

Lab File: BE100372.D

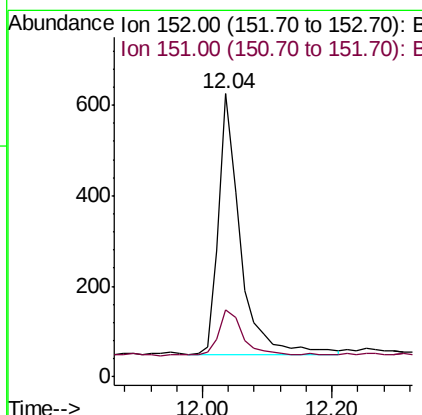
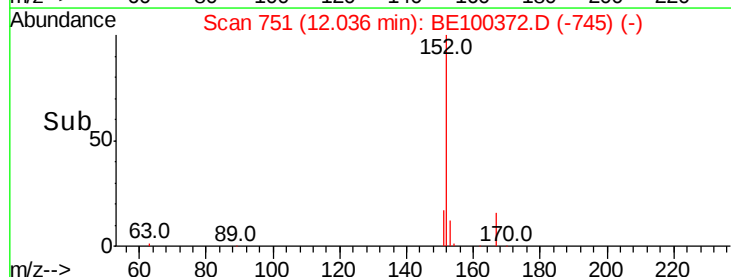
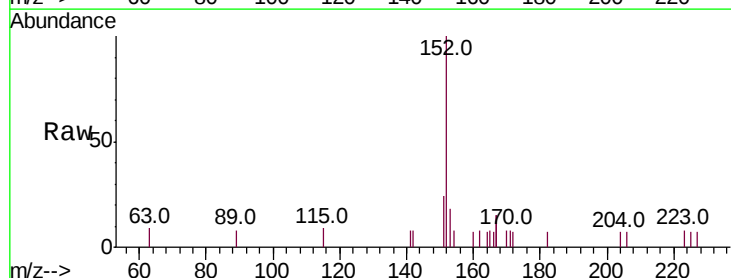
Acq: 4 Jul 2019 18:21

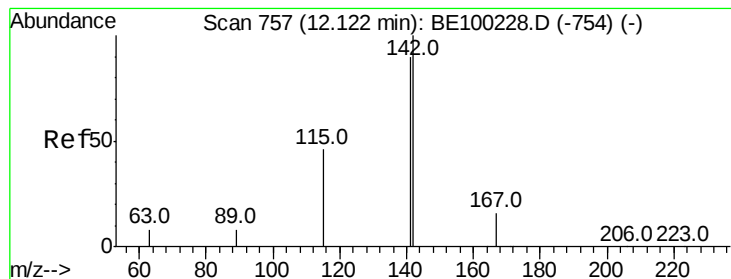
Tgt Ion:152 Resp: 1330

Ion Ratio Lower Upper

152 100

151 19.5 15.1 22.7





#12

2-Methylnaphthalene

Concen: 0.062 ng

RT: 12.11 min Scan# 756

Delta R.T. -0.01 min

Lab File: BE100372.D

Acq: 4 Jul 2019 18:21

Instrument :

BNA_E

ClientSampled :

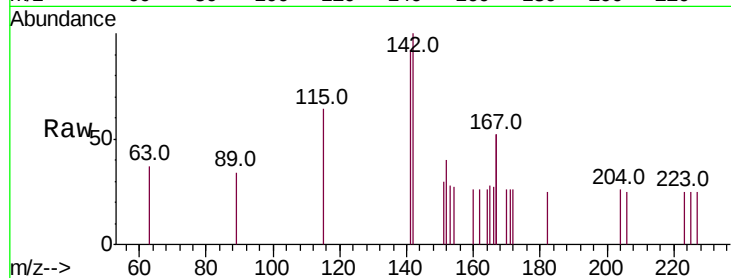
Tot Ion:142 Resp: 286

Ion Ratio Lower Upper

142 100

141 92.2 72.4 108.6

115 63.9 40.4 60.6#

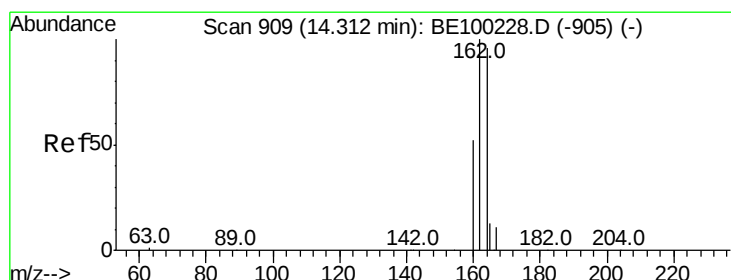
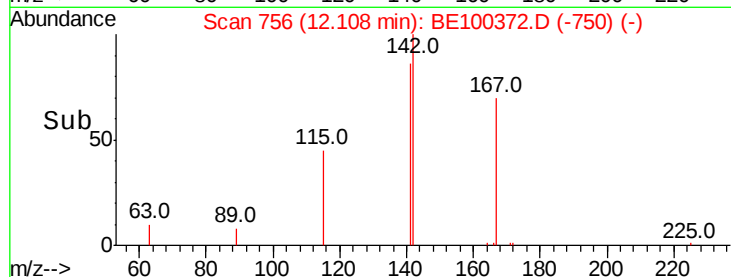
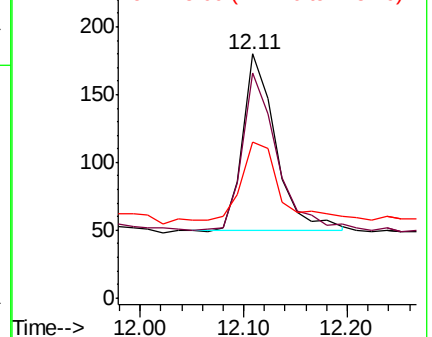


Abundance

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



#13

Acenaphthene-d10

Concen: 0.400 ng

RT: 14.31 min Scan# 909

Delta R.T. 0.00 min

Lab File: BE100372.D

Acq: 4 Jul 2019 18:21

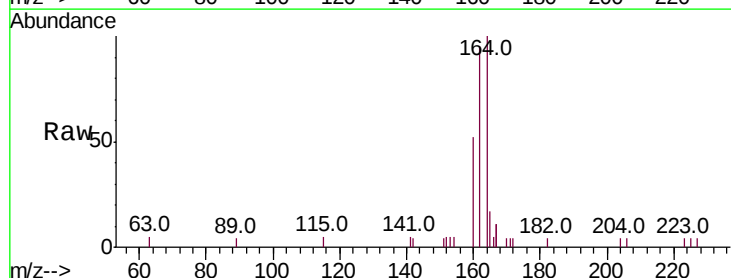
Tgt Ion:164 Resp: 1820

Ion Ratio Lower Upper

164 100

162 95.3 83.4 125.0

160 52.0 45.0 67.6

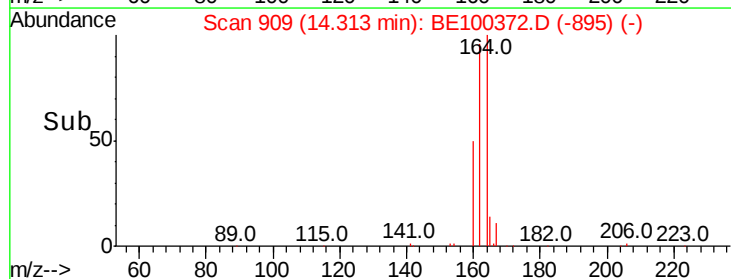
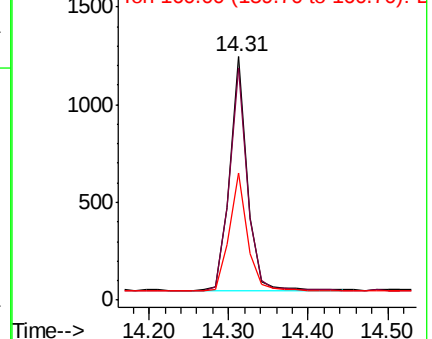


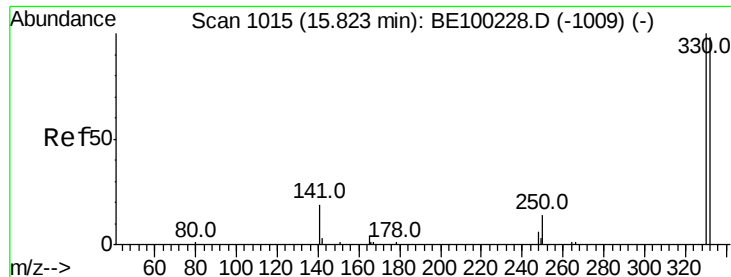
Abundance

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

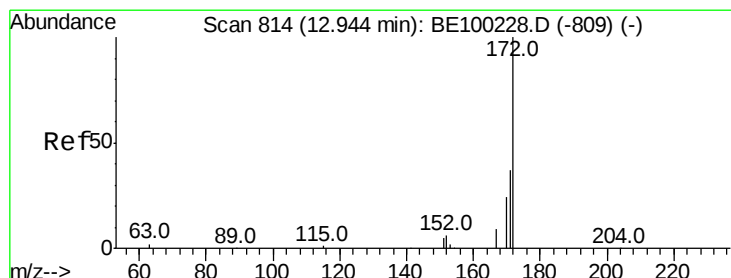
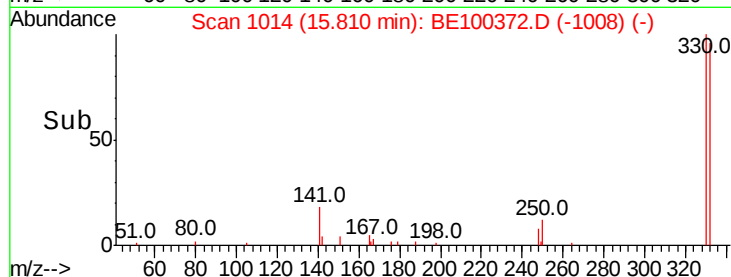
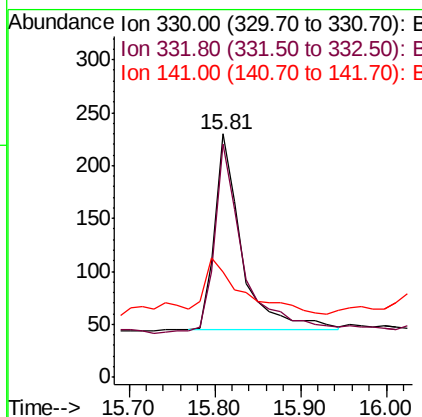
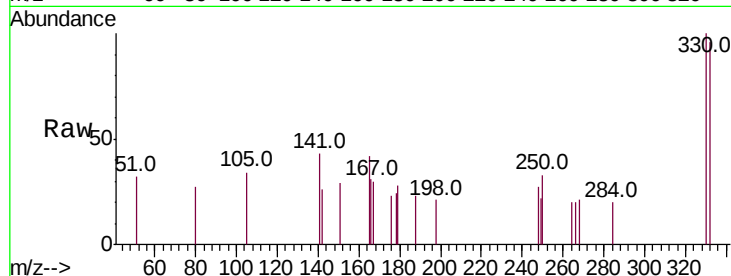




#14
 2,4,6-Tribromophenol
 Concen: 0.318 ng
 RT: 15.81 min Scan# 1014
 Delta R.T. -0.01 min
 Lab File: BE100372.D
 Acq: 4 Jul 2019 18:21

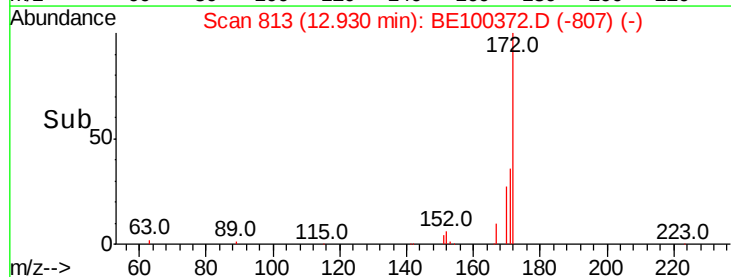
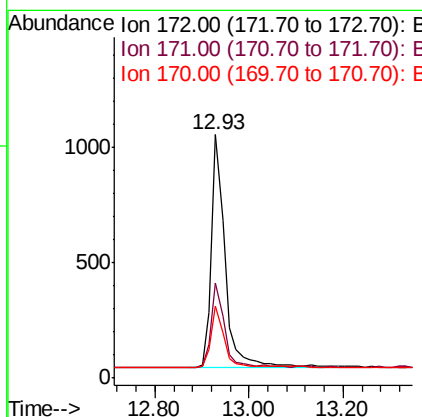
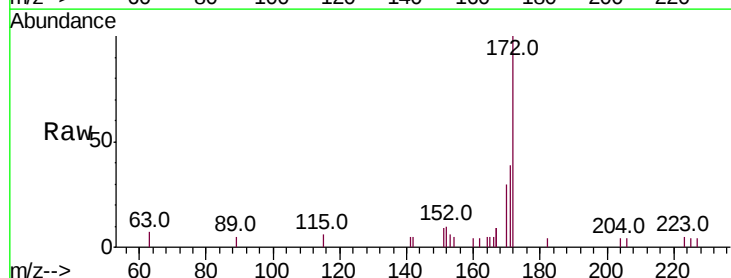
Instrument :
 BNA_E
 ClientSampleId :

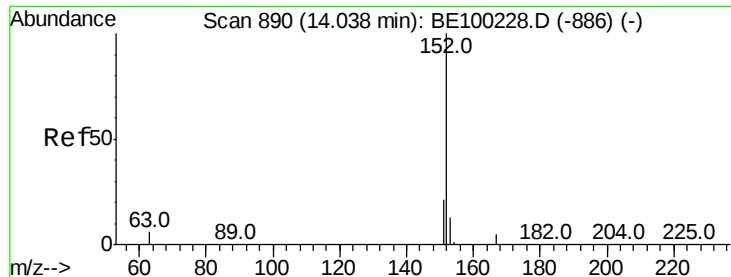
Tot Ion:330 Resp: 405
 Ion Ratio Lower Upper
 330 100
 332 101.7 77.0 115.4
 141 37.8 22.0 33.0#



#15
 2-Fluorobiphenyl
 Concen: 0.291 ng
 RT: 12.93 min Scan# 813
 Delta R.T. -0.01 min
 Lab File: BE100372.D
 Acq: 4 Jul 2019 18:21

Tgt Ion:172 Resp: 2063
 Ion Ratio Lower Upper
 172 100
 171 39.2 31.9 47.9
 170 29.7 22.2 33.2

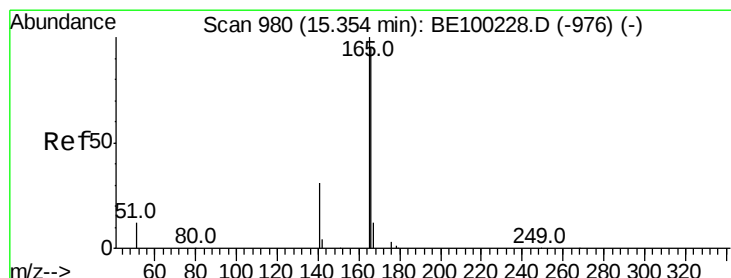
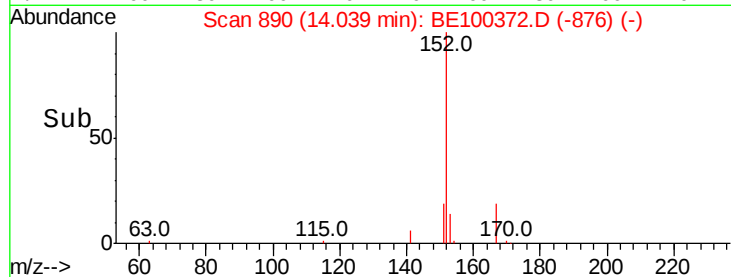
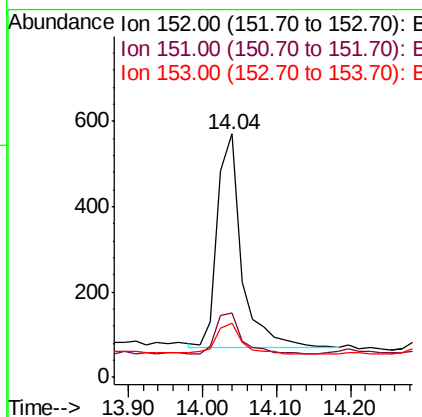
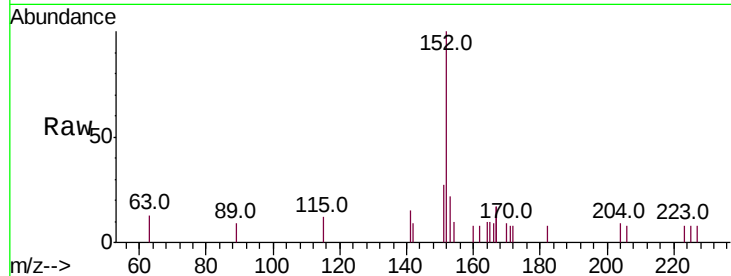




#16
Acenaphthylene
Concen: 0.130 ng
RT: 14.04 min Scan# 890
Delta R.T. 0.00 min
Lab File: BE100372.D
Acq: 4 Jul 2019 18:21

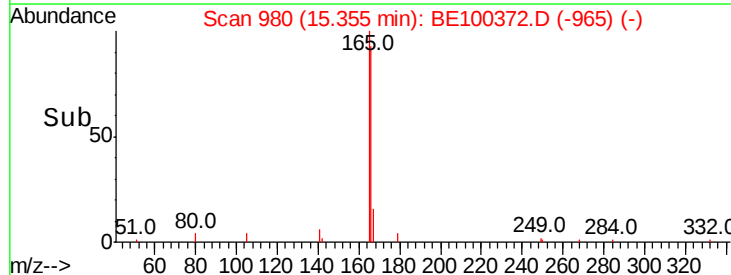
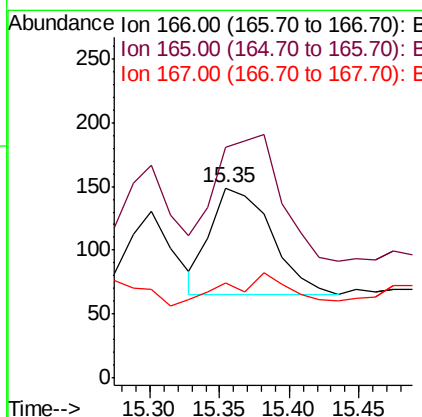
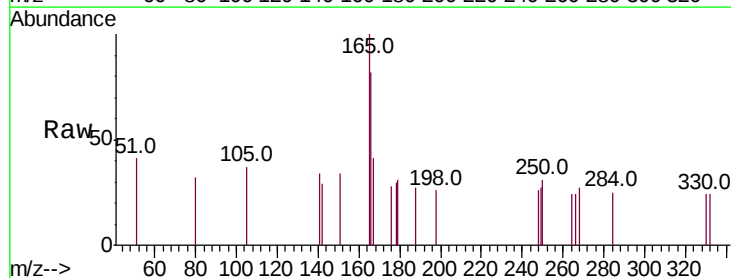
Instrument :
BNA_E
ClientSampleId :

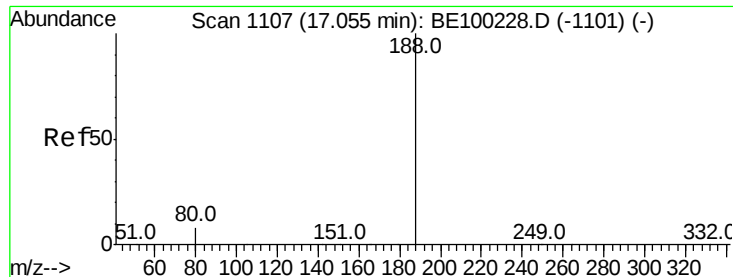
Tot Ion:152 Resp: 1136
Ion Ratio Lower Upper
152 100
151 21.0 16.6 25.0
153 16.5 10.5 15.7#



#18
Fluorene
Concen: 0.035 ng
RT: 15.35 min Scan# 980
Delta R.T. 0.00 min
Lab File: BE100372.D
Acq: 4 Jul 2019 18:21

Tgt Ion:166 Resp: 255
Ion Ratio Lower Upper
166 100
165 0.0 81.1 121.7#
167 0.0 10.7 16.1#





#19

Phenanthrene-d10

Concen: 0.400 ng

RT: 17.05 min Scan# 1107

Delta R.T. 0.00 min

Lab File: BE100372.D

Acq: 4 Jul 2019 18:21

Instrument :

BNA_E

ClientSampleId :

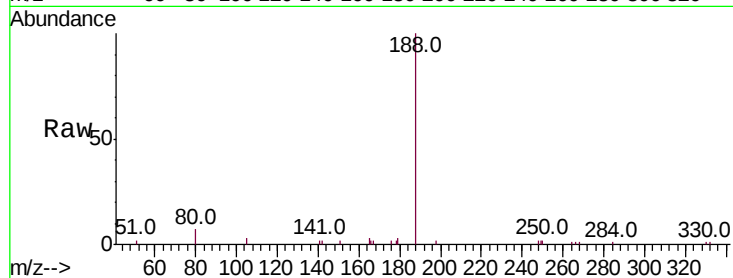
Tot Ion:188 Resp: 5477

Ion Ratio Lower Upper

188 100

94 0.0 0.0 0.0

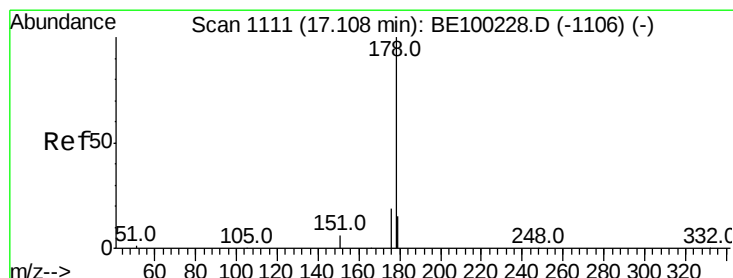
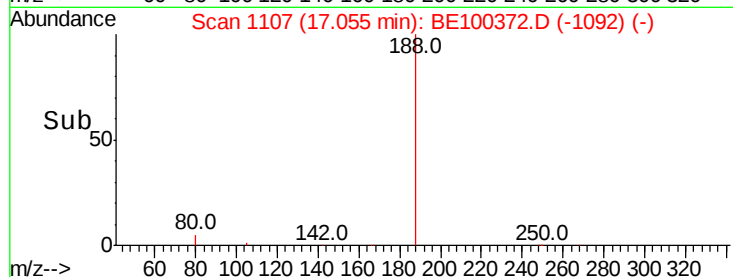
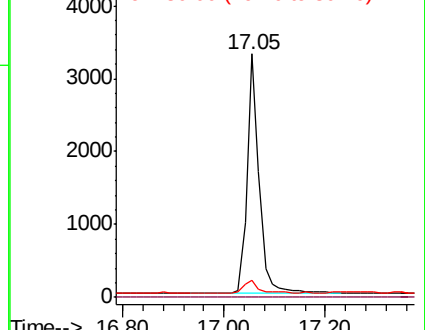
80 7.2 7.6 11.4#



Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BE1

Ion 80.00 (79.70 to 80.70): BE1



#23

Phenanthrene

Concen: 0.391 ng

RT: 17.09 min Scan# 1110

Delta R.T. -0.01 min

Lab File: BE100372.D

Acq: 4 Jul 2019 18:21

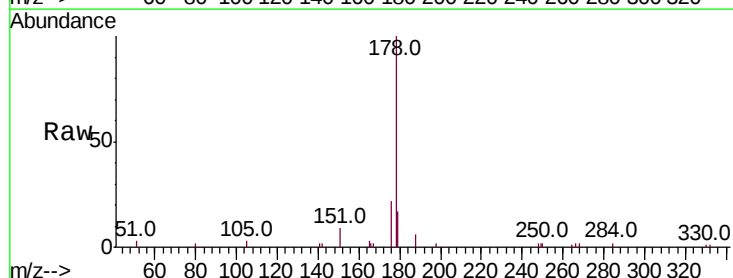
Tgt Ion:178 Resp: 5197

Ion Ratio Lower Upper

178 100

176 20.3 15.9 23.9

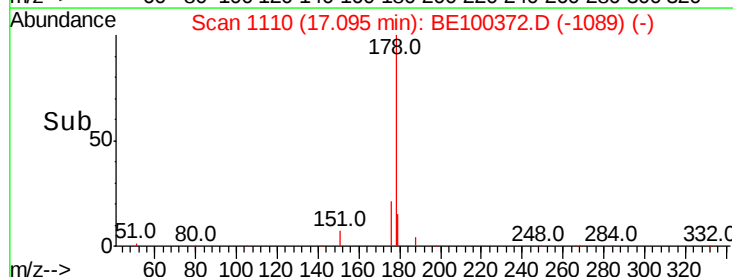
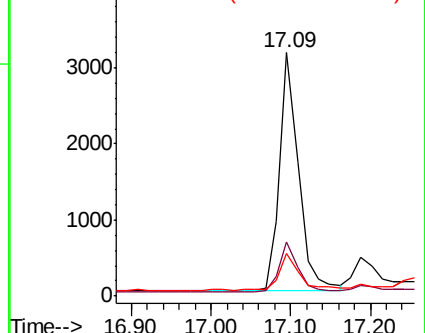
179 16.9 12.2 18.2

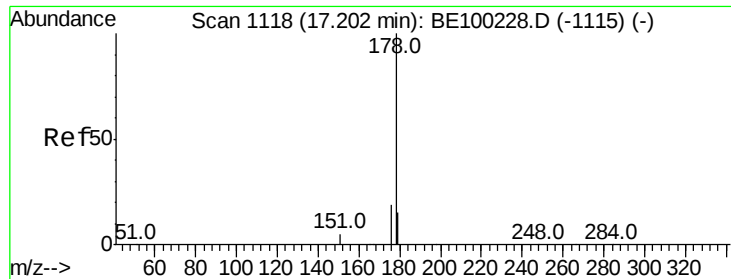


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#24

Anthracene

Concen: 0.067 ng

RT: 17.19 min Scan# 1117

Delta R.T. -0.01 min

Lab File: BE100372.D

Acq: 4 Jul 2019 18:21

Instrument :

BNA_E

ClientSampleId :

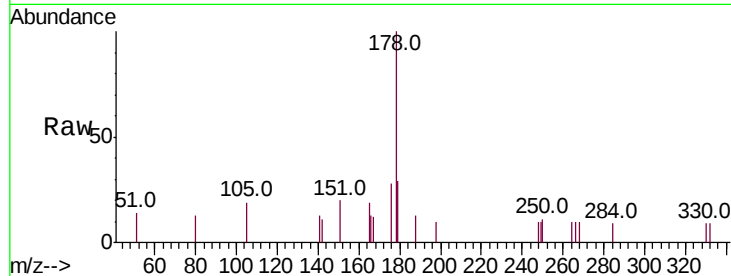
Tot Ion:178 Resp: 802

Ion Ratio Lower Upper

178 100

176 17.7 15.3 22.9

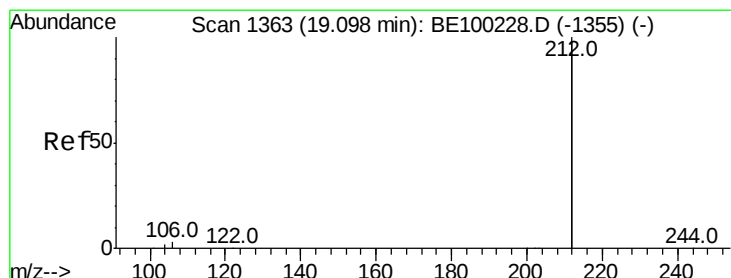
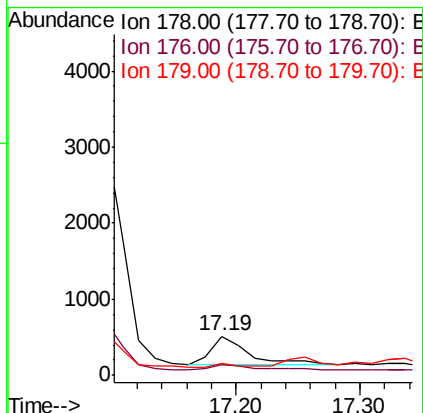
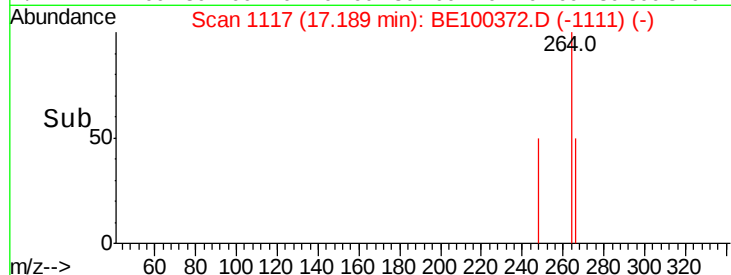
179 7.2 12.2 18.2#



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



#25

Fluoranthene-d10

Concen: 0.268 ng

RT: 19.09 min Scan# 1362

Delta R.T. -0.01 min

Lab File: BE100372.D

Acq: 4 Jul 2019 18:21

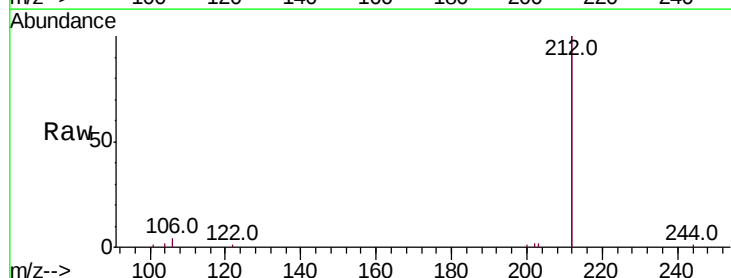
Tgt Ion:212 Resp: 21266

Ion Ratio Lower Upper

212 100

106 1.6 1.3 1.9

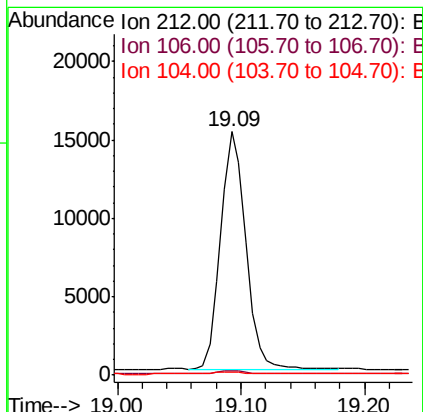
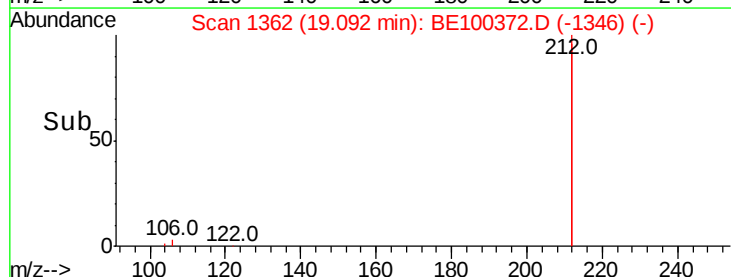
104 0.9 0.8 1.2

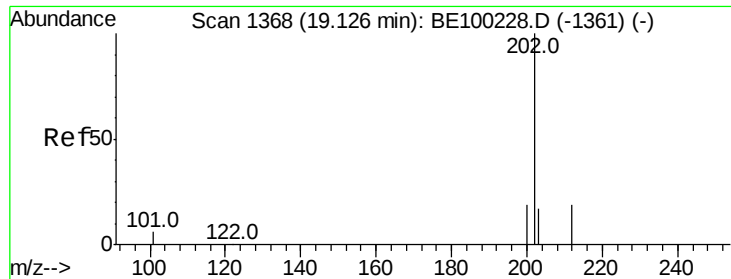


Abundance Ion 212.00 (211.70 to 212.70): E

Ion 106.00 (105.70 to 106.70): E

Ion 104.00 (103.70 to 104.70): E





#26

Fluoranthene

Concen: 0.491 ng

RT: 19.12 min Scan# 1367

Delta R.T. -0.01 min

Lab File: BE100372.D

Acq: 4 Jul 2019 18:21

Instrument :

BNA_E

ClientSampleId :

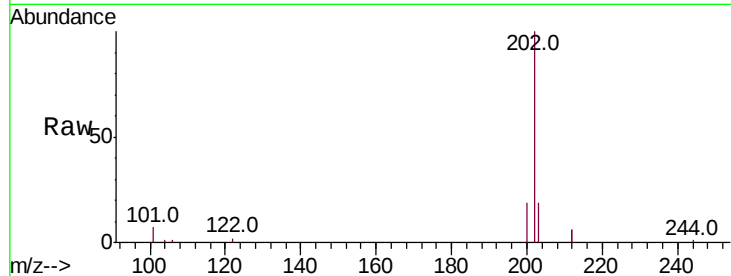
Tot Ion:202 Resp: 10374

Ion Ratio Lower Upper

202 100

101 5.4 4.6 7.0

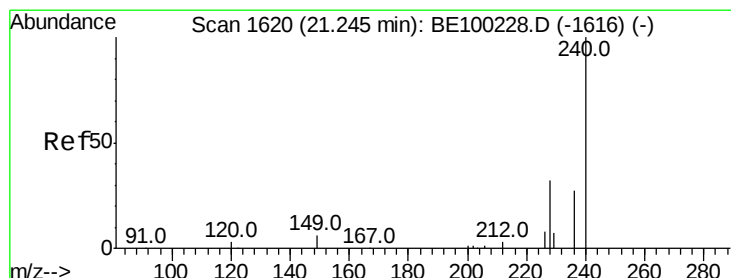
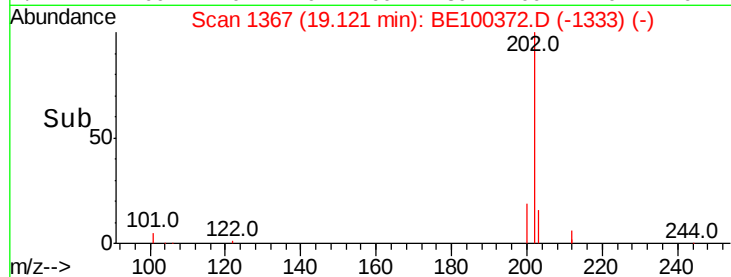
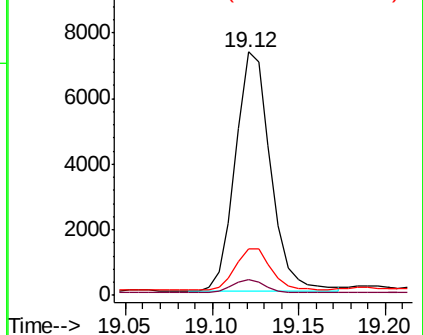
203 17.9 13.7 20.5



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



#27

Chrysene-d12

Concen: 0.400 ng

RT: 21.24 min Scan# 1620

Delta R.T. 0.00 min

Lab File: BE100372.D

Acq: 4 Jul 2019 18:21

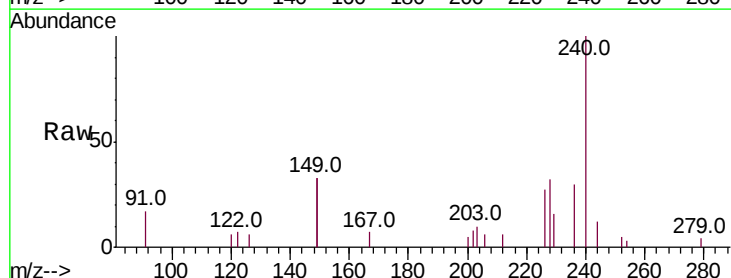
Tgt Ion:240 Resp: 7330

Ion Ratio Lower Upper

240 100

120 6.1 3.3 4.9#

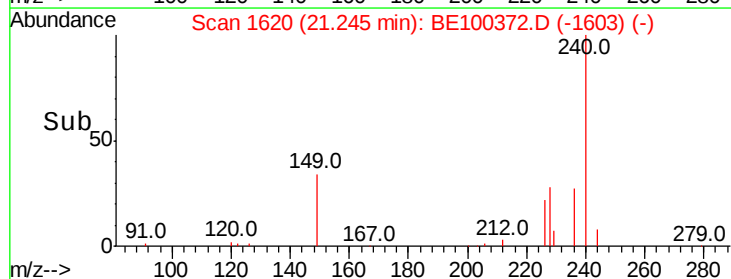
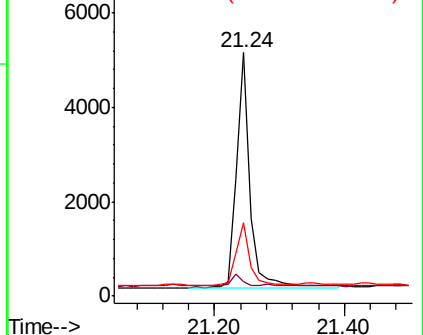
236 30.4 22.6 34.0

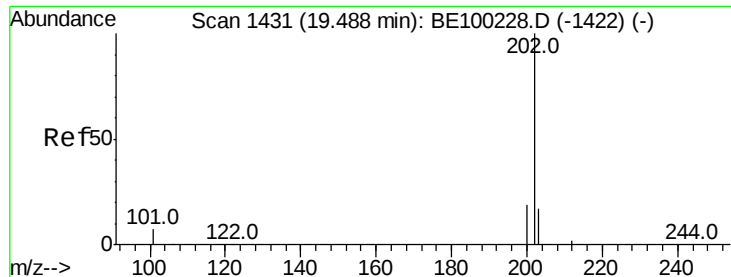


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

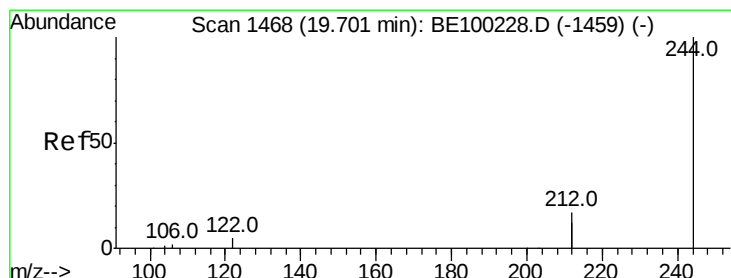
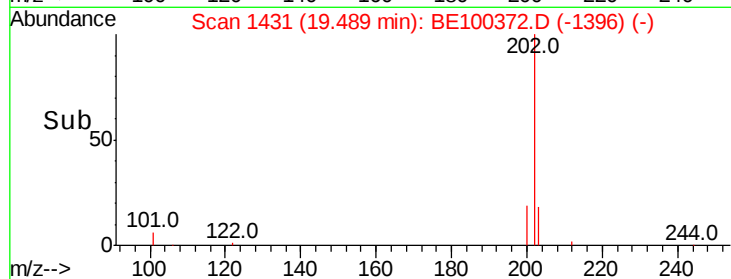
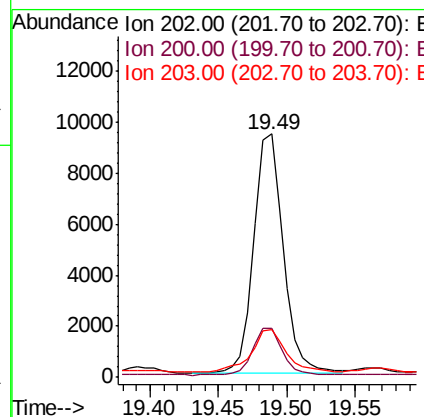
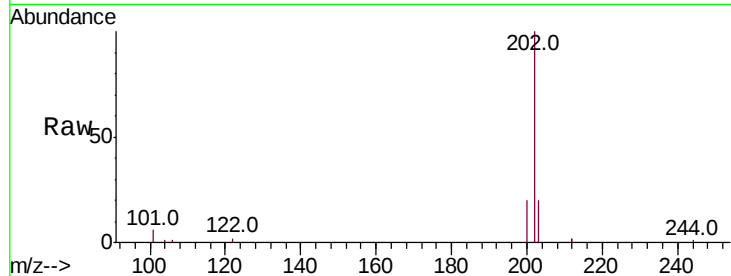




#28
Pvrene
Concen: 0.716 ng
RT: 19.49 min Scan# 1431
Delta R.T. 0.00 min
Lab File: BE100372.D
Acq: 4 Jul 2019 18:21

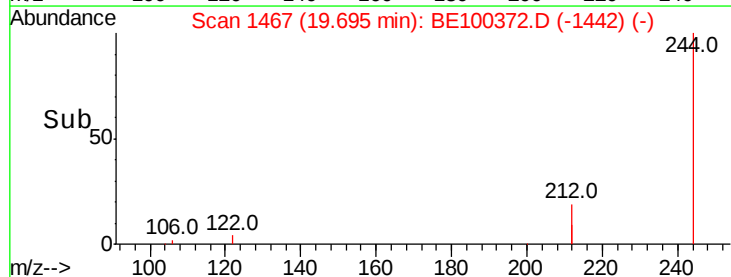
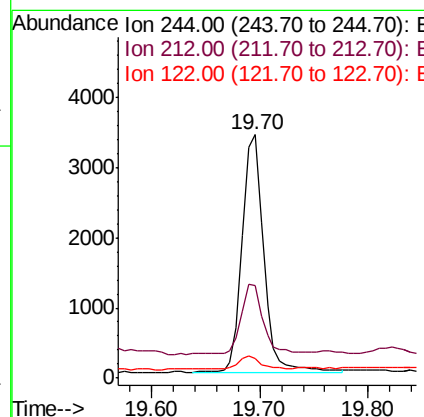
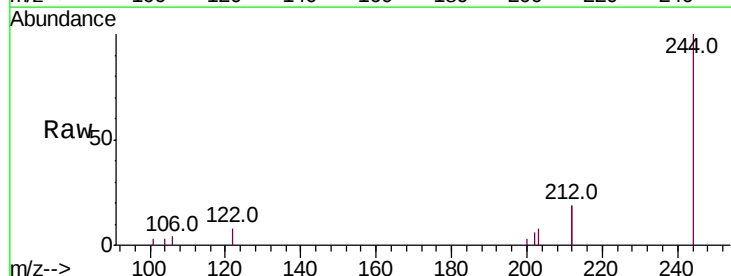
Instrument :
BNA_E
ClientSampleId :

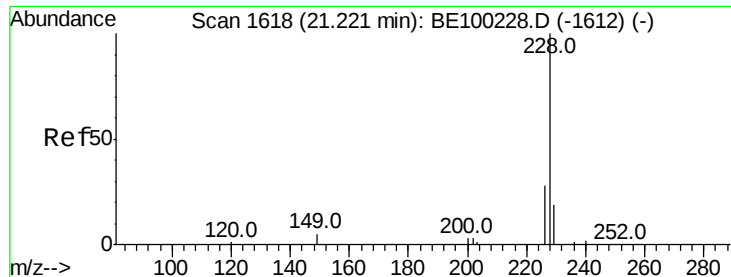
Tot Ion:202 Resp: 13889
Ion Ratio Lower Upper
202 100
200 19.9 15.6 23.4
203 20.7 14.0 21.0



#29
Terphenyl-d14
Concen: 0.304 ng
RT: 19.70 min Scan# 1467
Delta R.T. -0.01 min
Lab File: BE100372.D
Acq: 4 Jul 2019 18:21

Tgt Ion:244 Resp: 4623
Ion Ratio Lower Upper
244 100
212 37.9 27.3 40.9
122 7.9 4.7 7.1#

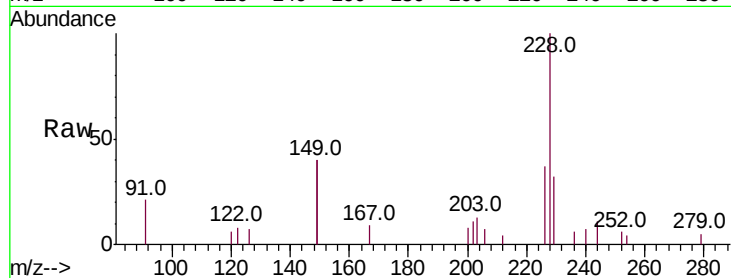




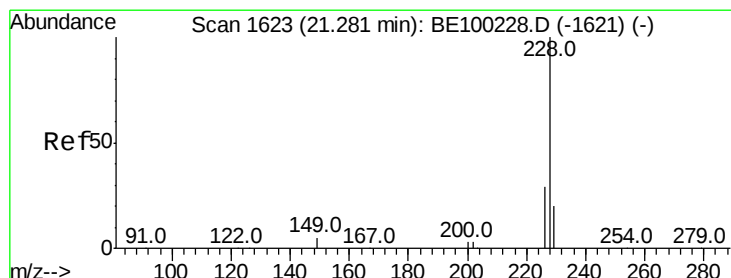
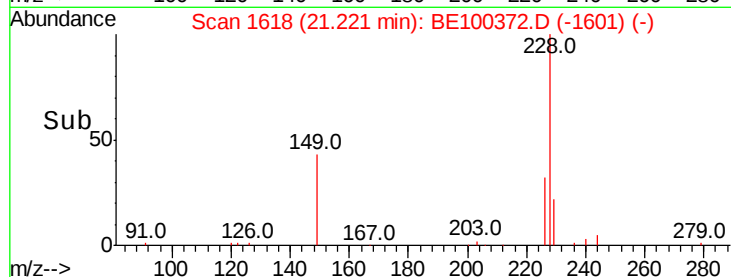
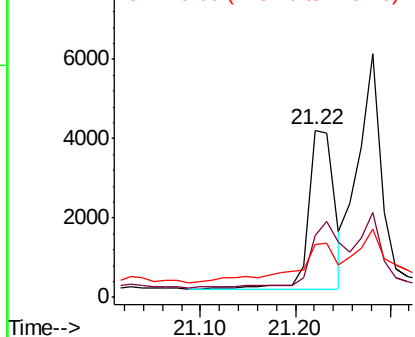
#30
Benzo(a)anthracene
Concen: 0.315 ng
RT: 21.22 min Scan# 1618
Delta R.T. 0.00 min
Lab File: BE100372.D
Acq: 4 Jul 2019 18:21

Instrument :
BNA_E
ClientSampleId :

Tot Ion:228 Resp: 7592
Ion Ratio Lower Upper
228 100
226 37.1 23.2 34.8#
229 31.7 15.7 23.5#

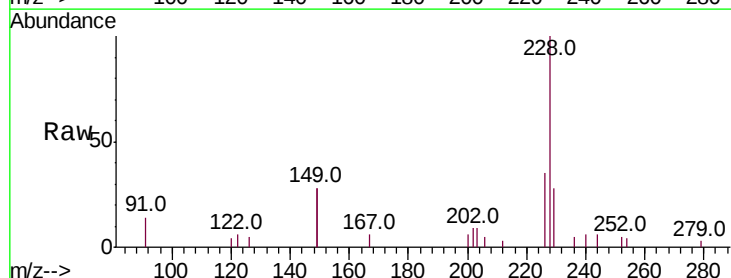


Abundance Ion 228.00 (227.70 to 228.70): E
Ion 226.00 (225.70 to 226.70): E
Ion 229.00 (228.70 to 229.70): E

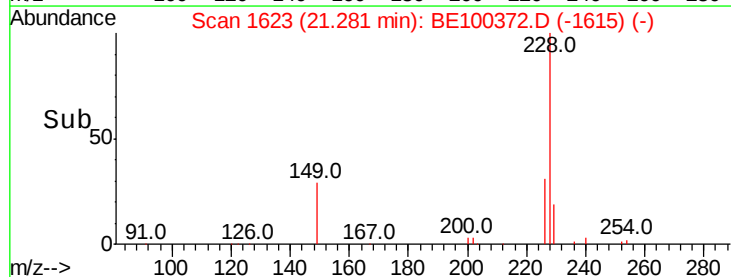
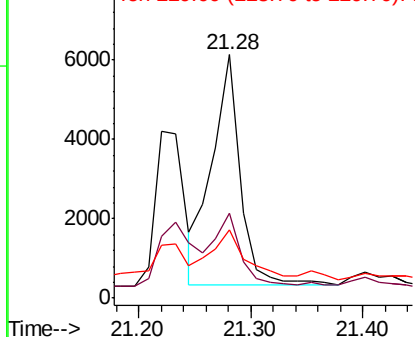


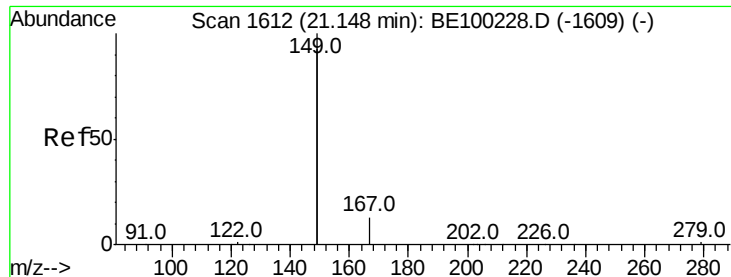
#31
Chrysene
Concen: 0.421 ng
RT: 21.28 min Scan# 1623
Delta R.T. 0.00 min
Lab File: BE100372.D
Acq: 4 Jul 2019 18:21

Tgt Ion:228 Resp: 10186
Ion Ratio Lower Upper
228 100
226 34.8 23.9 35.9
229 27.9 16.5 24.7#



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





#32

Bis(2-ethylhexyl)phthalate

Concen: 0.426 ng

RT: 21.15 min Scan# 1612

Delta R.T. 0.00 min

Lab File: BE100372.D

Acq: 4 Jul 2019 18:21

Instrument :

BNA_E

ClientSampleId :

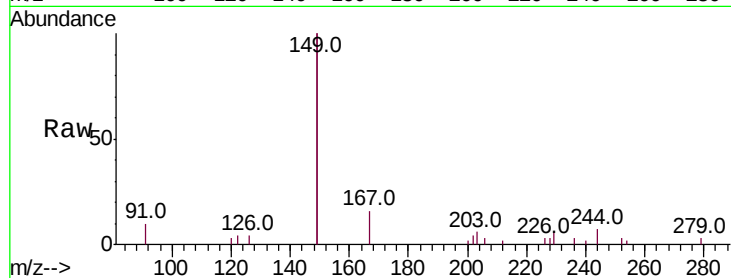
Tot Ion:149 Resp: 16478

Ion Ratio Lower Upper

149 100

167 7.6 5.8 8.8

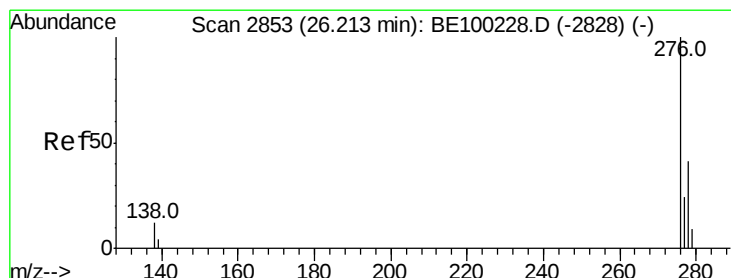
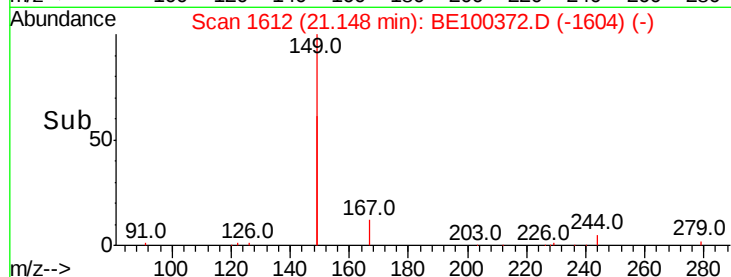
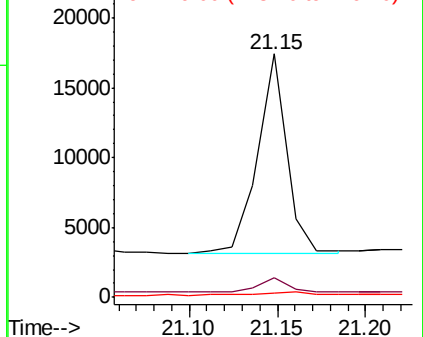
279 1.9 1.1 1.7#



Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E



#33

Indeno(1,2,3-cd)pyrene

Concen: 0.153 ng

RT: 26.23 min Scan# 2858

Delta R.T. 0.02 min

Lab File: BE100372.D

Acq: 4 Jul 2019 18:21

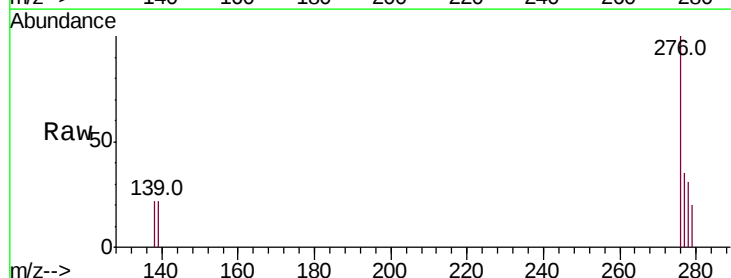
Tgt Ion:276 Resp: 4907

Ion Ratio Lower Upper

276 100

138 9.2 9.4 14.0#

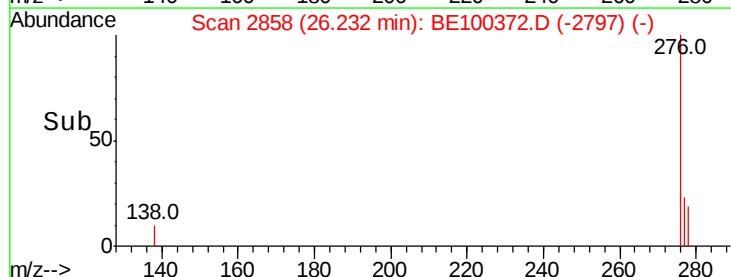
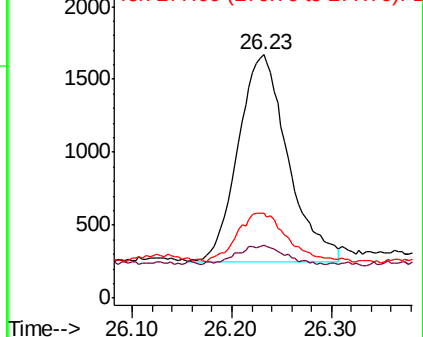
277 23.4 19.2 28.8

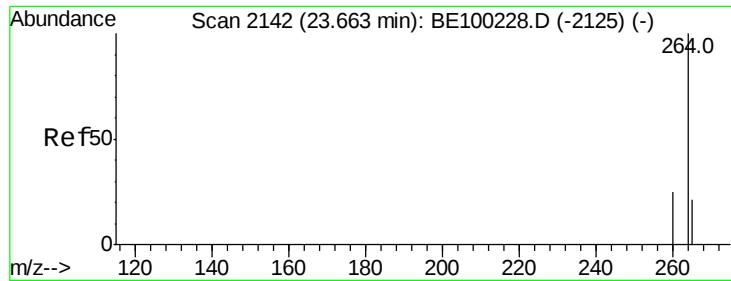


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E





#34

Pervlene-d12

Concen: 0.400 ng

RT: 23.67 min Scan# 2144

Delta R.T. 0.01 min

Lab File: BE100372.D

Acq: 4 Jul 2019 18:21

Instrument :

BNA_E

ClientSampleId :

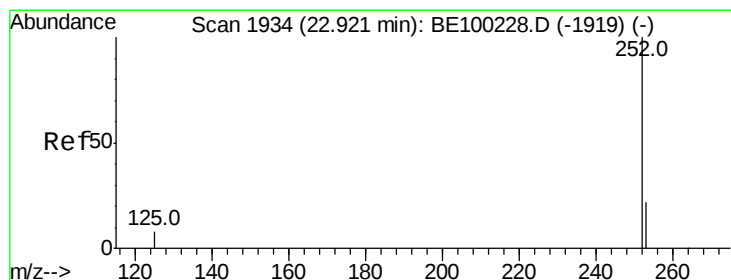
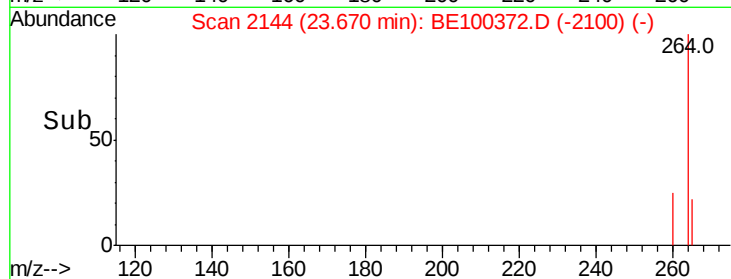
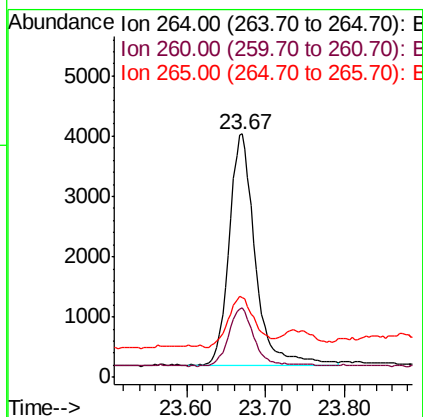
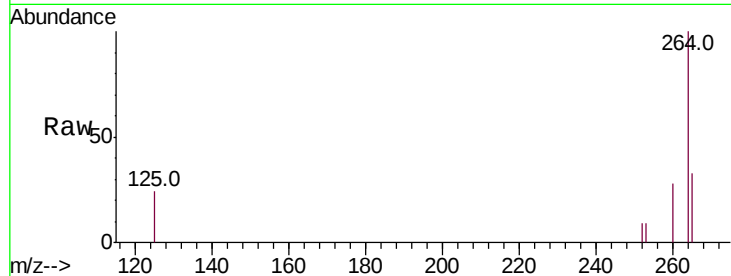
Tot Ion:264 Resp: 8797

Ion Ratio Lower Upper

264 100

260 28.4 20.8 31.2

265 32.7 21.8 32.6#



#35

Benzo(b)fluoranthene

Concen: 0.412 ng

RT: 22.93 min Scan# 1935

Delta R.T. 0.00 min

Lab File: BE100372.D

Acq: 4 Jul 2019 18:21

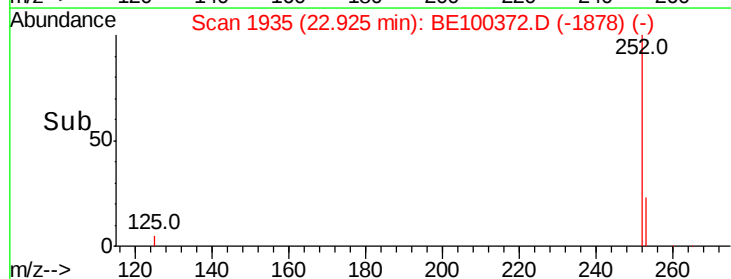
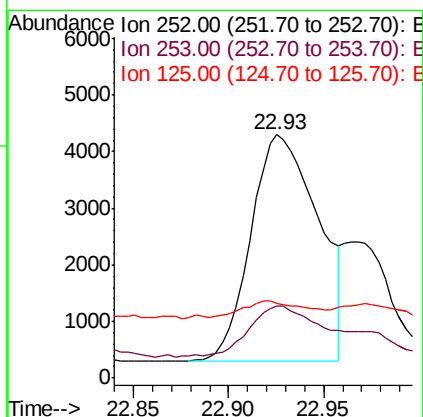
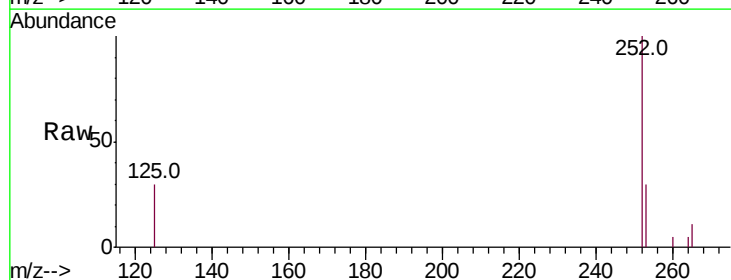
Tgt Ion:252 Resp: 9838

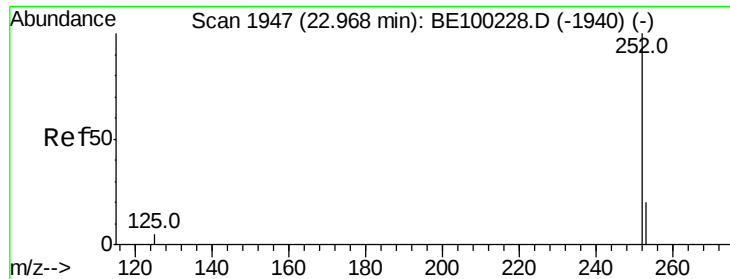
Ion Ratio Lower Upper

252 100

253 29.7 19.2 28.8#

125 30.5 7.4 11.0#

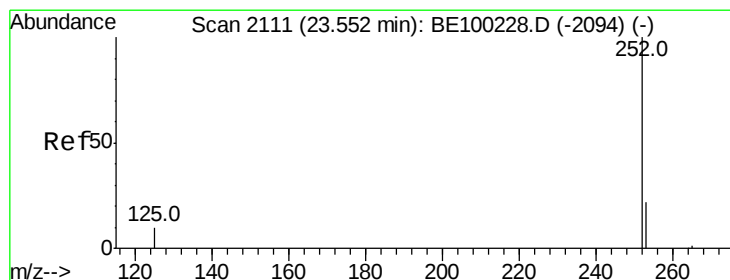
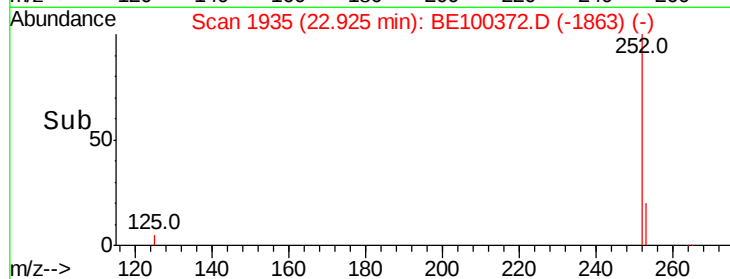
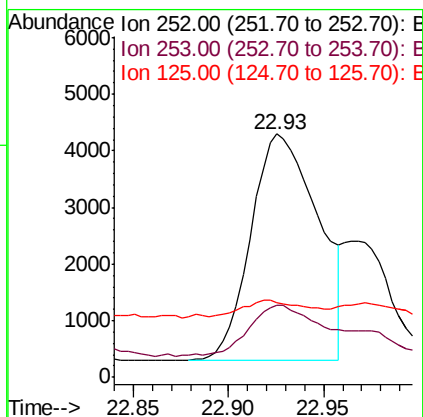
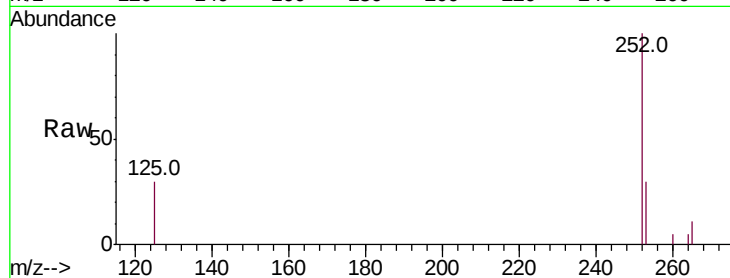




#36
Benzo(k)fluoranthene
Concen: 0.370 ng
RT: 22.93 min Scan# 1935
Delta R.T. -0.04 min
Lab File: BE100372.D
Acq: 4 Jul 2019 18:21

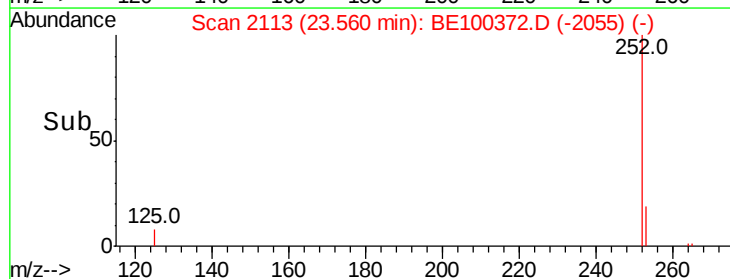
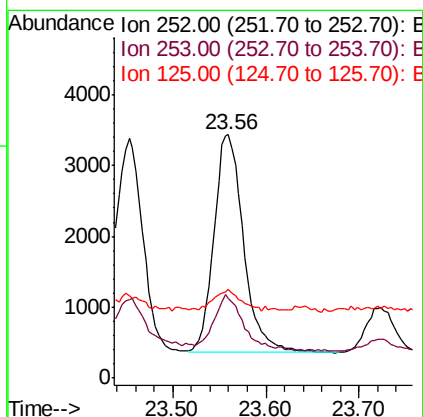
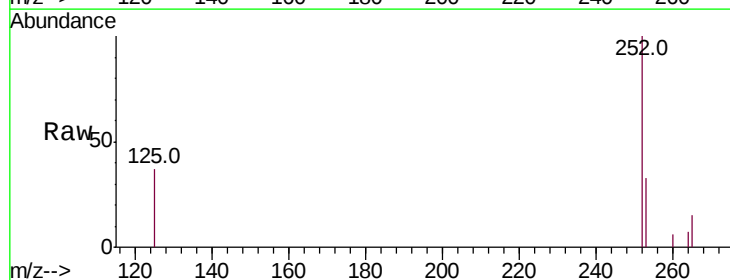
Instrument :
BNA_E
ClientSampleId :

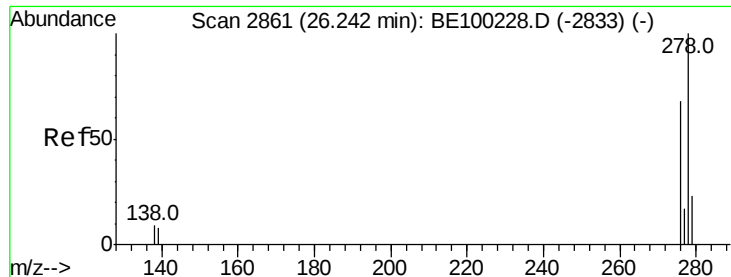
Tot Ion:252 Resp: 9838
Ion Ratio Lower Upper
252 100
253 29.7 17.9 26.9#
125 30.5 5.0 7.4#



#37
Benzo(a)pyrene
Concen: 0.285 ng
RT: 23.56 min Scan# 2113
Delta R.T. 0.01 min
Lab File: BE100372.D
Acq: 4 Jul 2019 18:21

Tgt Ion:252 Resp: 6803
Ion Ratio Lower Upper
252 100
253 32.7 19.6 29.4#
125 36.5 9.0 13.6#

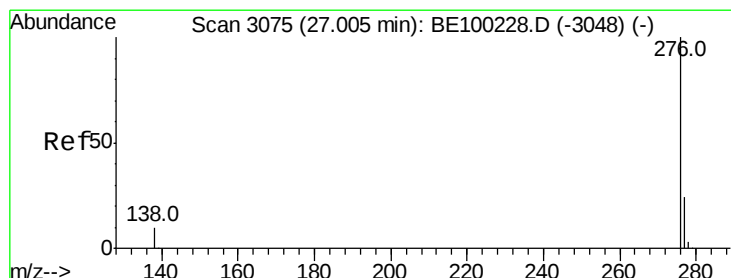
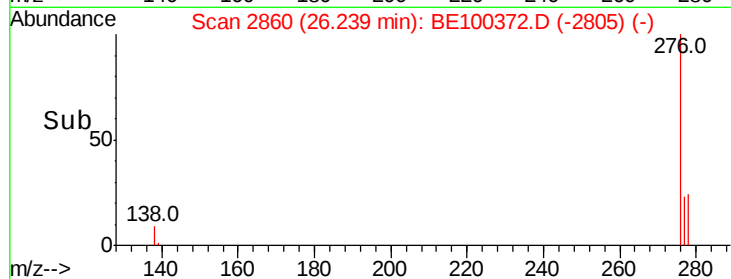
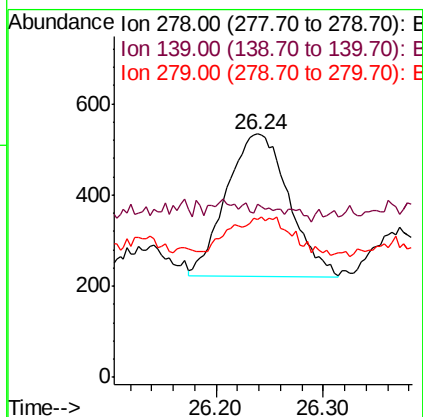
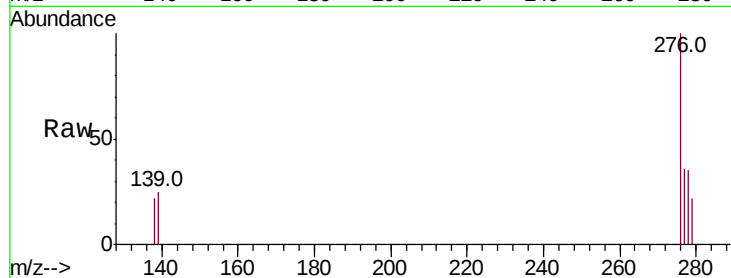




#38
Dibenzo(a,h)anthracene
Concen: 0.051 ng
RT: 26.24 min Scan# 2860
Delta R.T. -0.00 min
Lab File: BE100372.D
Acq: 4 Jul 2019 18:21

Instrument :
BNA_E
ClientSampleId :

Tot Ion:278 Resp: 1262
Ion Ratio Lower Upper
278 100
139 71.2 8.2 12.2#
279 64.8 20.3 30.5#



#39
Benzo(g,h,i)perylene
Concen: 0.225 ng
RT: 27.02 min Scan# 3078
Delta R.T. 0.01 min
Lab File: BE100372.D
Acq: 4 Jul 2019 18:21

Tgt Ion:276 Resp: 5762
Ion Ratio Lower Upper
276 100
277 34.3 20.2 30.2#
138 20.4 9.0 13.6#

