

Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE070319\
 Data File : BE100364.D
 Acq On : 4 Jul 2019 13:26
 Operator : JU/SJ
 Sample : K3561-08
 Misc :
 ALS Vial : 31 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :

Quant Time: Jul 05 01:14:57 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	621	0.40	ng	-0.01
7) Naphthalene-d8	10.43	136	2191	0.40	ng	-0.01
13) Acenaphthene-d10	14.31	164	1728	0.40	ng	0.00
19) Phenanthrene-d10	17.05	188	5245	0.40	ng	0.00
27) Chrysene-d12	21.24	240	7088	0.40	ng	0.00
34) Perylene-d12	23.67	264	8752	0.40	ng	0.00

System Monitoring Compounds						
4) 2-Fluorophenol	5.21	112	442	0.28	ng	0.00
5) Phenol-d6	6.83	99	524	0.25	ng	-0.01
8) Nitrobenzene-d5	8.81	82	546	0.25	ng	-0.01
11) 2-Methylnaphthalene-d10	12.04	152	1113	0.27	ng	-0.01
14) 2,4,6-Tribromophenol	15.81	330	383	0.32	ng	-0.01
15) 2-Fluorobiphenyl	12.93	172	1743	0.26	ng	-0.01
25) Fluoranthene-d10	19.09	212	15307	0.20	ng	0.00
29) Terphenyl-d14	19.69	244	3305	0.22	ng	-0.01

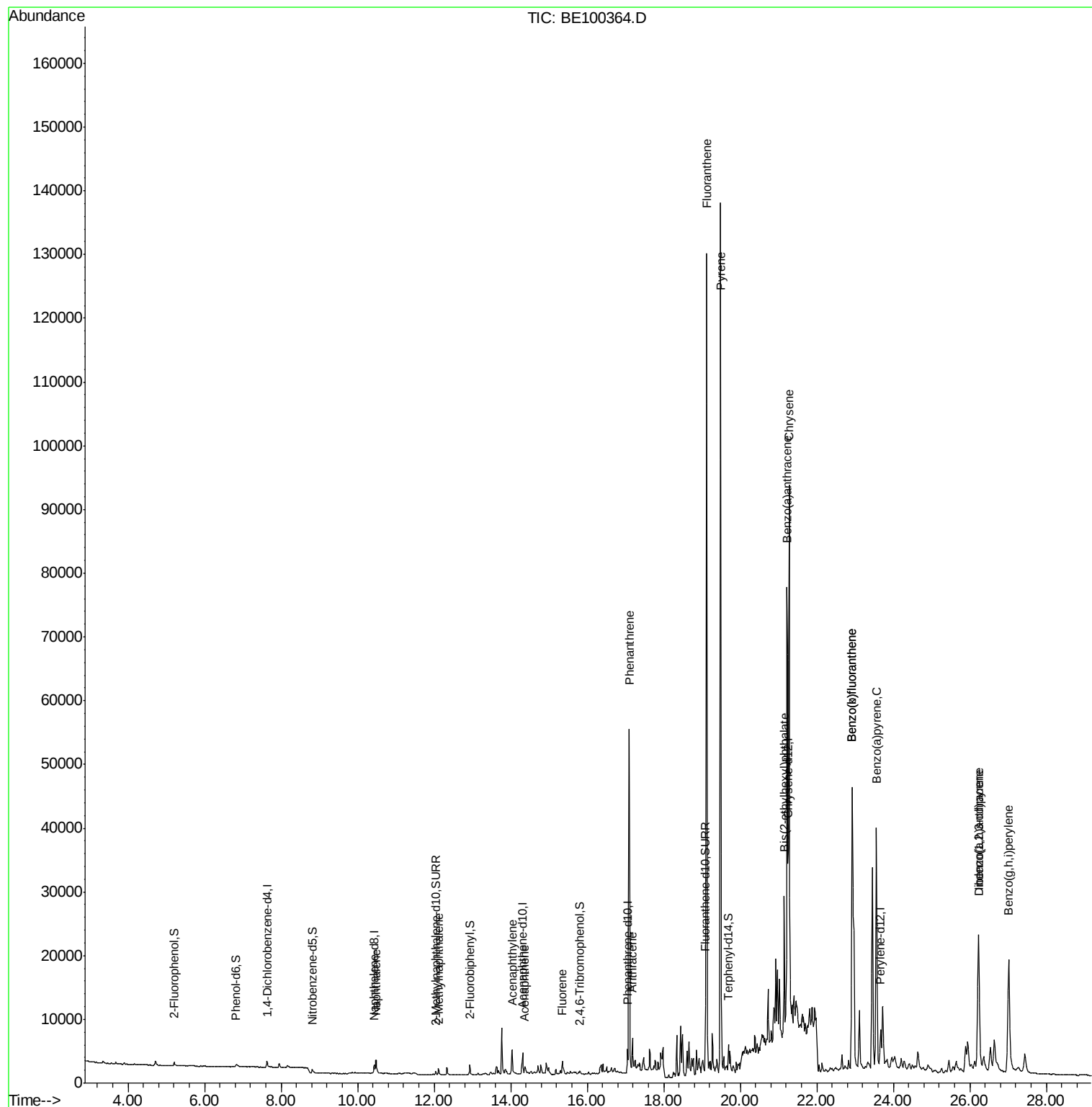
Target Compounds				Qvalue		
9) Naphthalene	10.48	128	4526	0.187	ng	# 96
12) 2-Methylnaphthalene	12.11	142	762	0.180	ng	94
16) Acenaphthylene	14.04	152	6220	0.750	ng	98
17) Acenaphthene	14.37	154	573	0.122	ng	# 84
18) Fluorene	15.35	166	1943	0.280	ng	# 88
23) Phenanthrene	17.09	178	56143	4.416	ng	100
24) Anthracene	17.19	178	6451	0.564	ng	98
26) Fluoranthene	19.12	202	119394	5.896	ng	99
28) Pyrene	19.48	202	133881	7.134	ng	97
30) Benzo(a)anthracene	21.22	228	68857	2.955	ng	97
31) Chrysene	21.28	228	83833	3.582	ng	97
32) Bis(2-ethylhexyl)phthalate	21.15	149	20419	0.562	ng	100
33) Indeno(1,2,3-cd)pyrene	26.22	276	45870	1.482	ng	# 95
35) Benzo(b)fluoranthene	22.92	252	88944	3.748	ng	# 96
36) Benzo(k)fluoranthene	22.92	252	88944	3.358	ng	98
37) Benzo(a)pyrene	23.56	252	62372	2.623	ng	# 95
38) Dibenzo(a,h)anthracene	26.24	278	10894	0.439	ng	# 86
39) Benzo(a,h,i)perylene	27.02	276	48981	1.920	ng	99

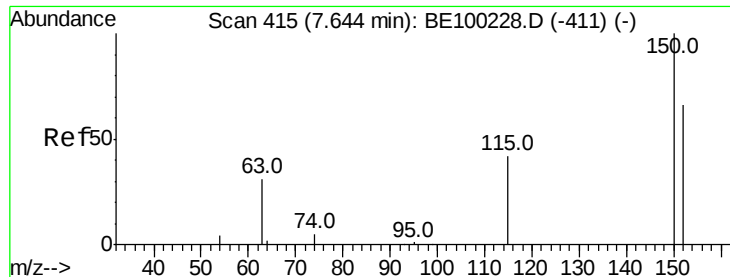
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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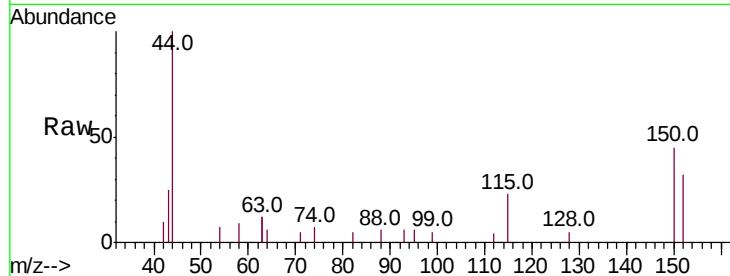


#1

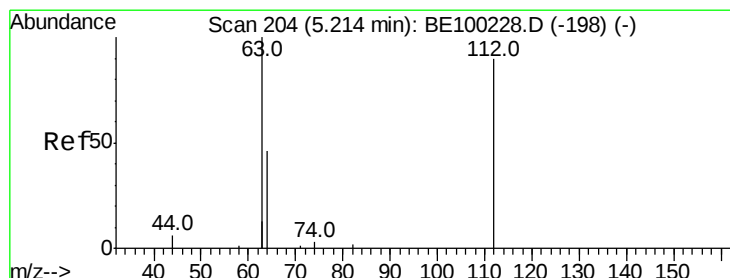
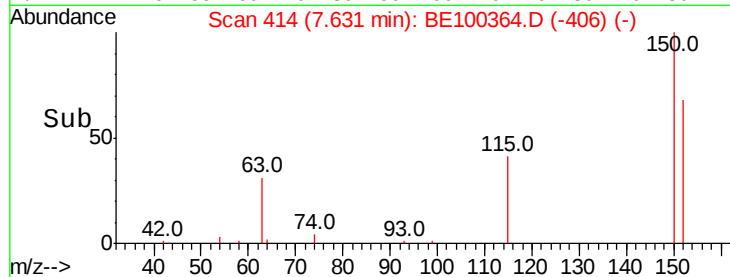
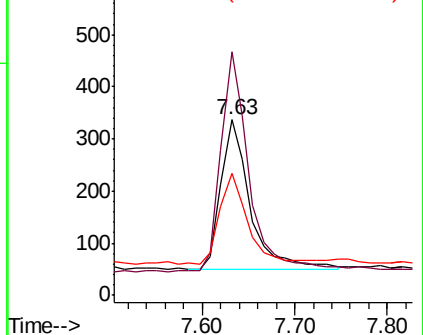
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.63 min Scan# 414
Delta R.T. -0.01 min
Lab File: BE100364.D
Acq: 4 Jul 2019 13:26

Instrument :
BNA_E
ClientSampleId :

Tot Ion:152 Resp: 621
Ion Ratio Lower Upper
152 100
150 138.6 114.5 171.7
115 69.7 57.1 85.7



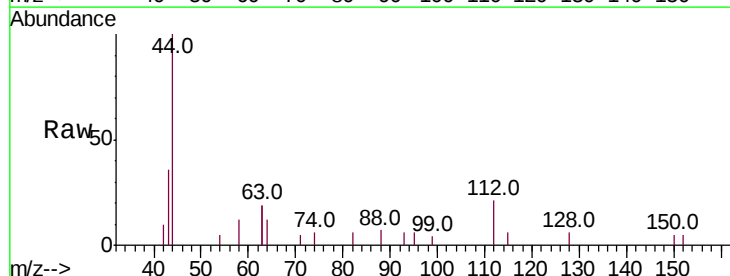
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



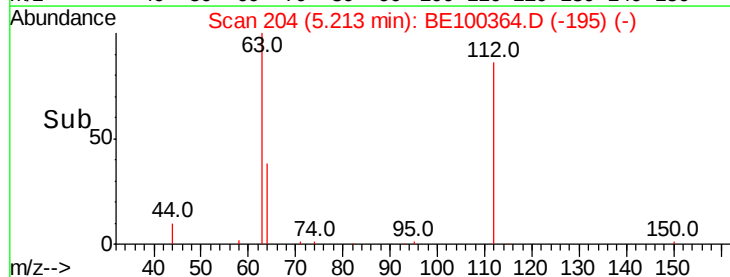
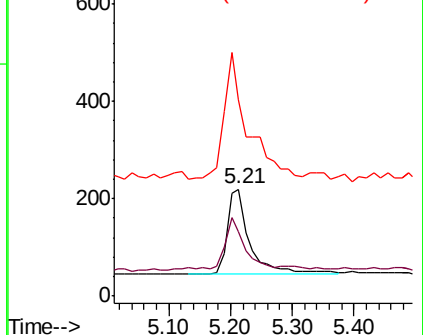
#4

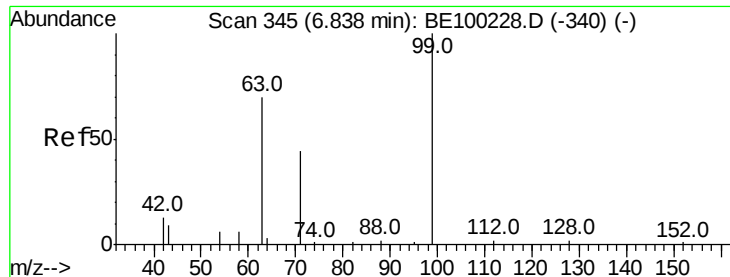
2-Fluorophenol
Concen: 0.279 ng
RT: 5.21 min Scan# 204
Delta R.T. -0.00 min
Lab File: BE100364.D
Acq: 4 Jul 2019 13:26

Tgt Ion:112 Resp: 442
Ion Ratio Lower Upper
112 100
64 49.8 39.4 59.0
63 147.3 104.5 156.7



Abundance Ion 112.00 (111.70 to 112.70): E
Ion 64.00 (63.70 to 64.70): BE1
Ion 63.00 (62.70 to 63.70): BE1





#5

Phenol-d6

Concen: 0.252 ng

RT: 6.83 min Scan# 344

Delta R.T. -0.01 min

Lab File: BE100364.D

Acq: 4 Jul 2019 13:26

Instrument :

BNA_E

ClientSampleId :

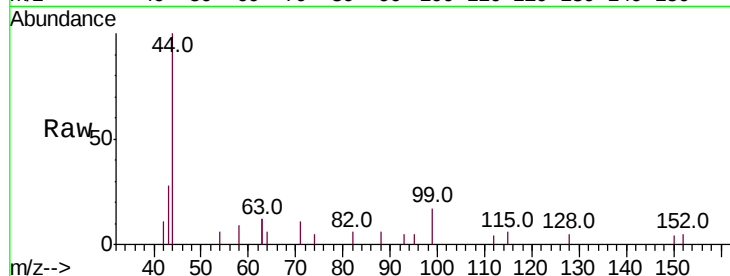
Tot Ion: 99 Resp: 524

Ion Ratio Lower Upper

99 100

42 20.6 11.2 16.8#

71 39.3 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

250

200

150

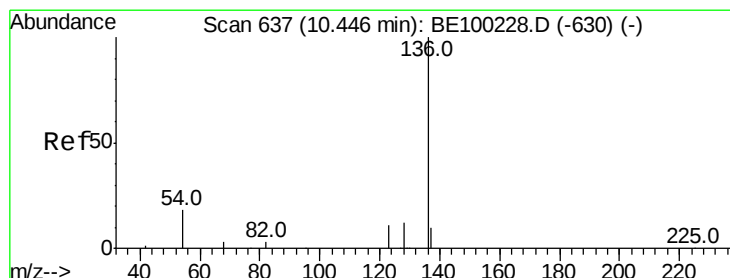
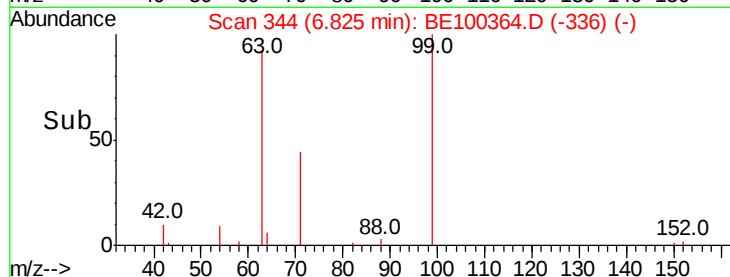
100

50

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: BE100364.D

Acq: 4 Jul 2019 13:26

Tgt Ion: 136 Resp: 2191

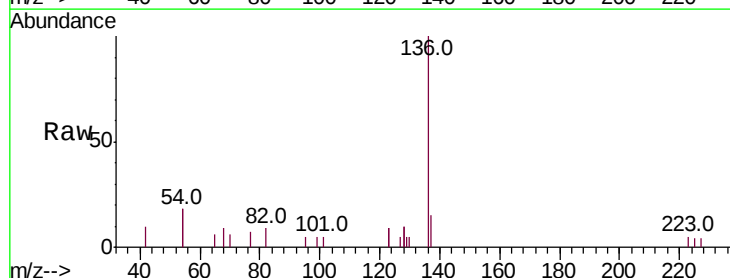
Ion Ratio Lower Upper

136 100

137 15.3 11.8 17.8

54 35.5 27.7 41.5

68 8.6 6.8 10.2



Abundance Ion 136.00 (135.70 to 136.70): BE1

Ion 137.00 (136.70 to 137.70): BE1

Ion 54.00 (53.70 to 54.70): BE1

Ion 68.00 (67.70 to 68.70): BE1

1500

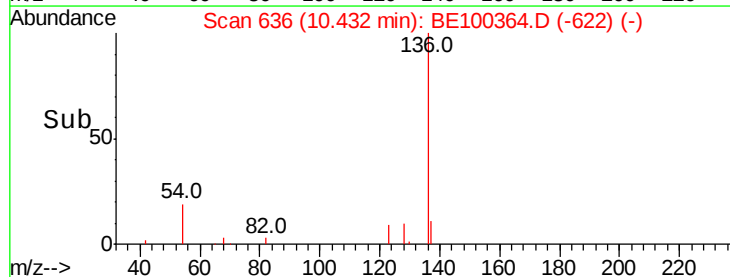
1000

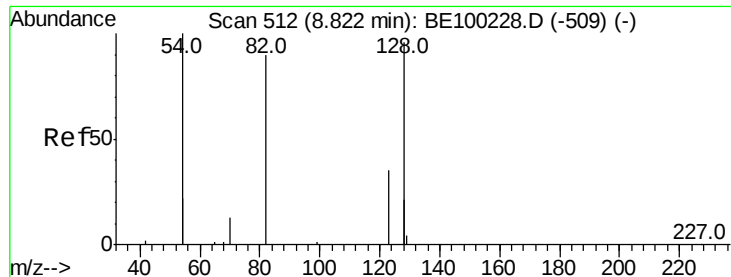
500

0

10.30 10.40 10.50 10.60

Time-->





#8

Nitrobenzene-d5

Concen: 0.251 ng

RT: 8.81 min Scan# 511

Delta R.T. -0.01 min

Lab File: BE100364.D

Acq: 4 Jul 2019 13:26

Instrument :

BNA_E

ClientSampled :

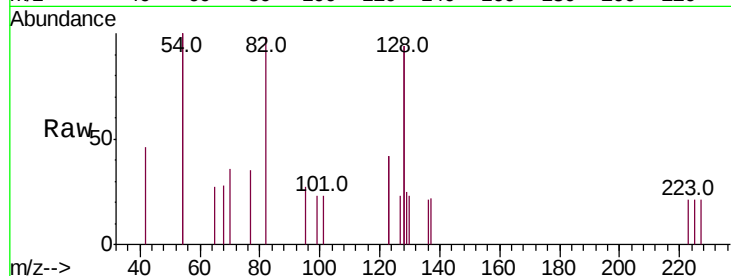
Tot Ion: 82 Resp: 546

Ion Ratio Lower Upper

82 100

128 190.7 140.9 211.3

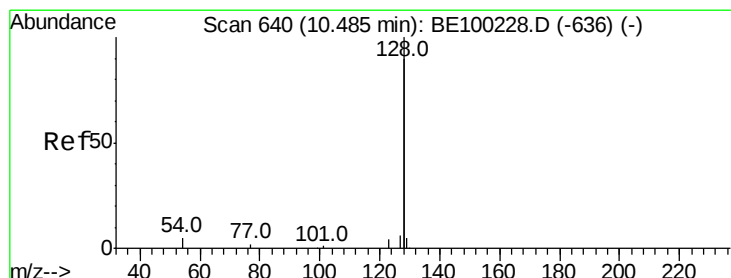
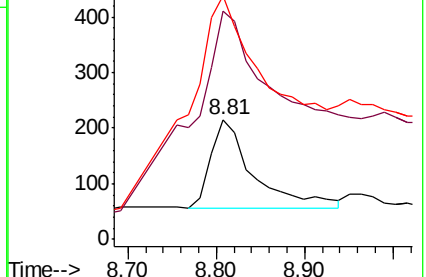
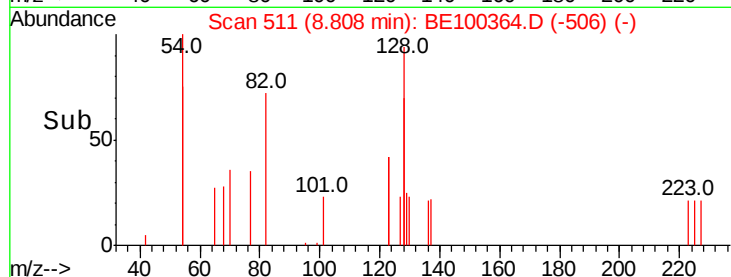
54 203.7 146.2 219.2



Abundance Ion 82.00 (81.70 to 82.70): BE1

Ion 128.00 (127.70 to 128.70): BE1

Ion 54.00 (53.70 to 54.70): BE1



#9

Naphthalene

Concen: 0.187 ng

RT: 10.48 min Scan# 640

Delta R.T. -0.00 min

Lab File: BE100364.D

Acq: 4 Jul 2019 13:26

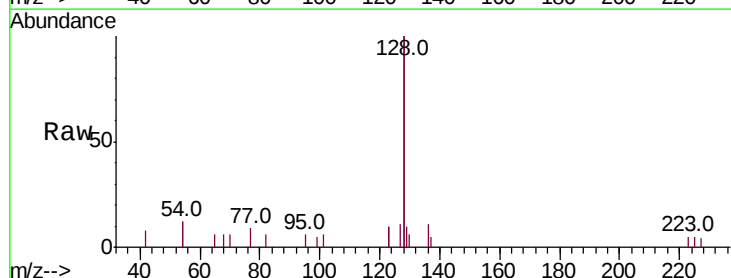
Tgt Ion: 128 Resp: 4526

Ion Ratio Lower Upper

128 100

129 5.1 3.0 4.6#

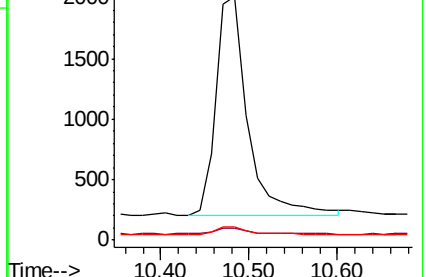
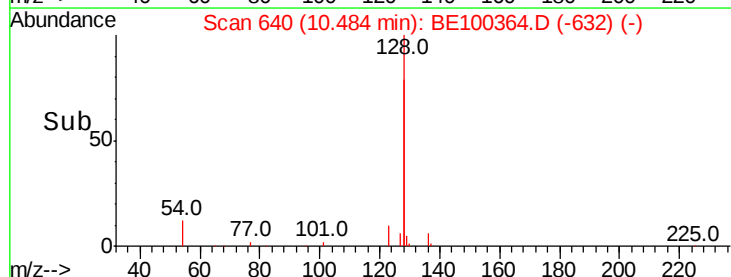
127 5.5 3.5 5.3#

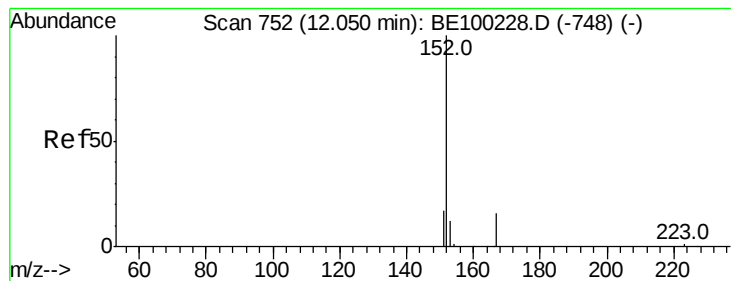


Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E

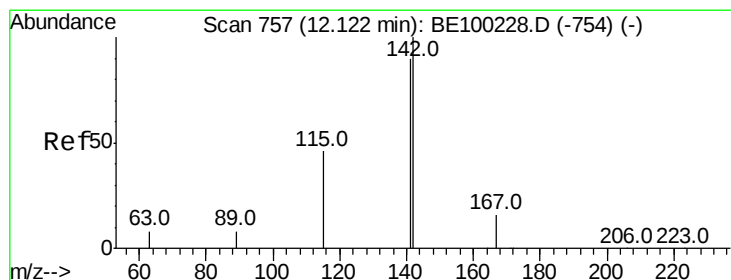
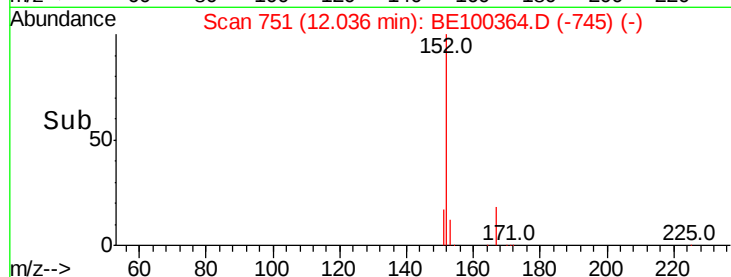
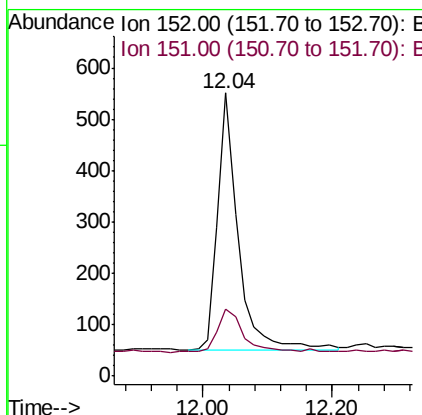
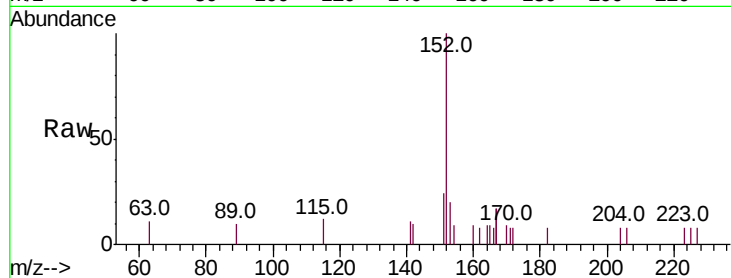




#11
2-Methylnaphthalene-d10
Concen: 0.270 ng
RT: 12.04 min Scan# 751
Delta R.T. -0.01 min
Lab File: BE100364.D
Acq: 4 Jul 2019 13:26

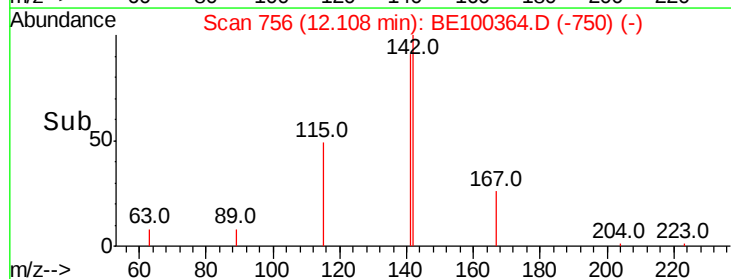
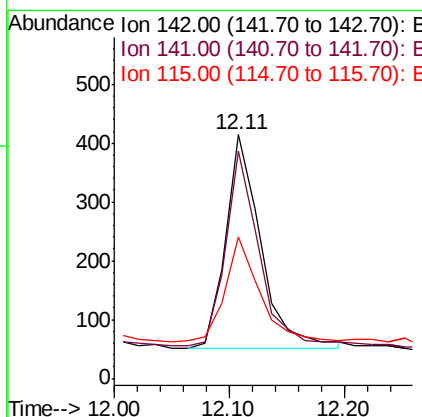
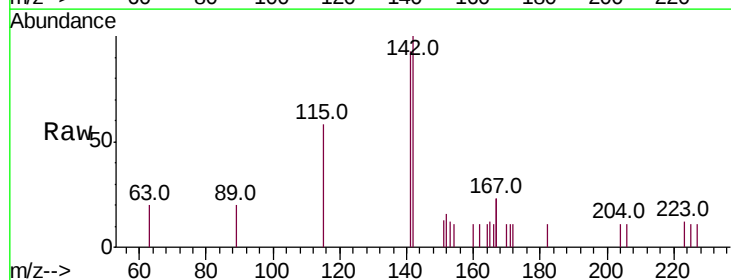
Instrument :
BNA_E
ClientSampleId :

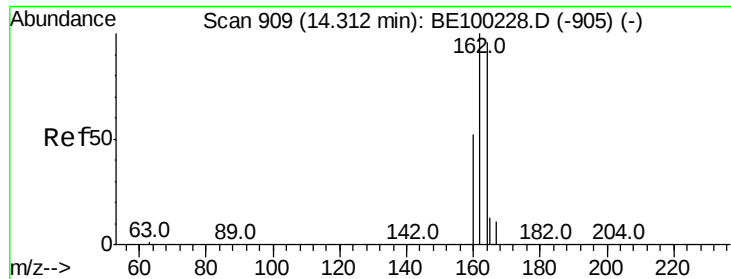
Tot Ion:152 Resp: 1113
Ion Ratio Lower Upper
152 100
151 20.2 15.1 22.7



#12
2-Methylnaphthalene
Concen: 0.180 ng
RT: 12.11 min Scan# 756
Delta R.T. -0.01 min
Lab File: BE100364.D
Acq: 4 Jul 2019 13:26

Tgt Ion:142 Resp: 762
Ion Ratio Lower Upper
142 100
141 93.2 72.4 108.6
115 58.2 40.4 60.6

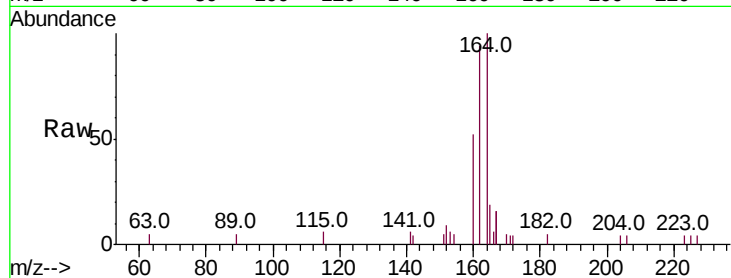




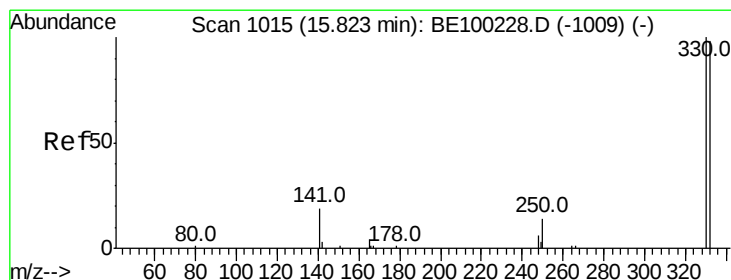
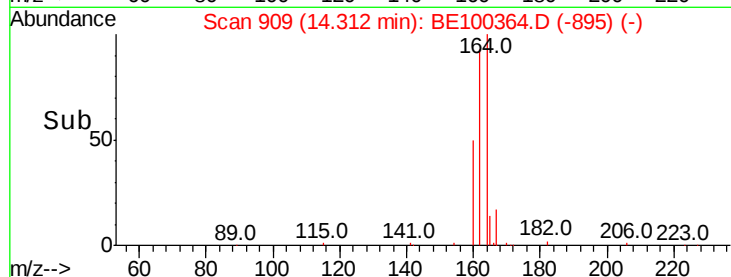
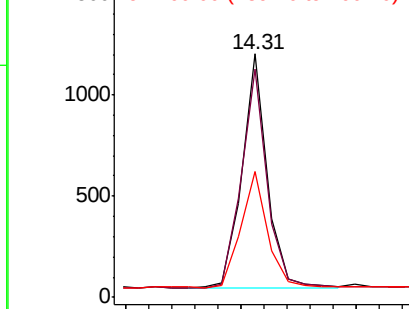
#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.31 min Scan# 909
Delta R.T. 0.00 min
Lab File: BE100364.D
Acq: 4 Jul 2019 13:26

Instrument :
BNA_E
ClientSampleId :

Tot Ion:164 Resp: 1728
Ion Ratio Lower Upper
164 100
162 93.6 83.4 125.0
160 51.6 45.0 67.6

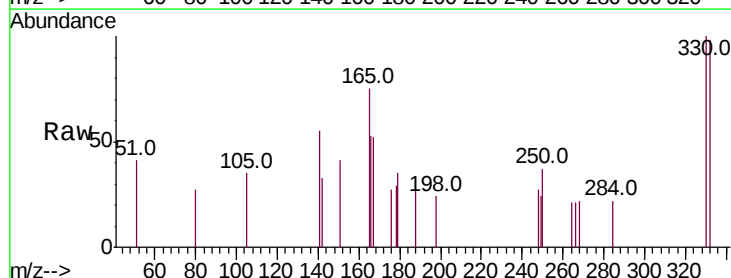


Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

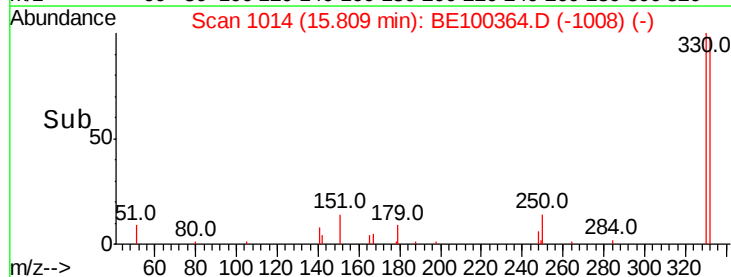
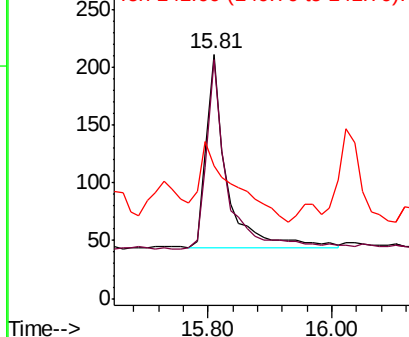


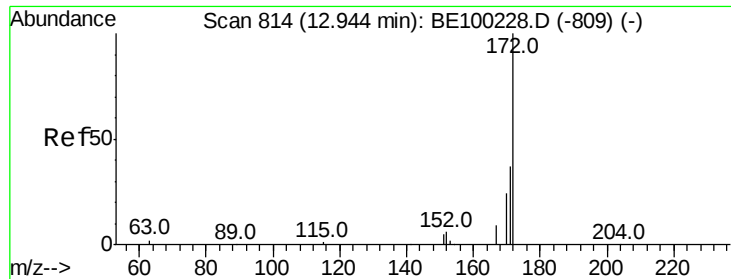
#14
2,4,6-Tribromophenol
Concen: 0.317 ng
RT: 15.81 min Scan# 1014
Delta R.T. -0.01 min
Lab File: BE100364.D
Acq: 4 Jul 2019 13:26

Tgt Ion:330 Resp: 383
Ion Ratio Lower Upper
330 100
332 99.0 77.0 115.4
141 68.4 22.0 33.0#



Abundance Ion 330.00 (329.70 to 330.70): E
Ion 331.80 (331.50 to 332.50): E
Ion 141.00 (140.70 to 141.70): E

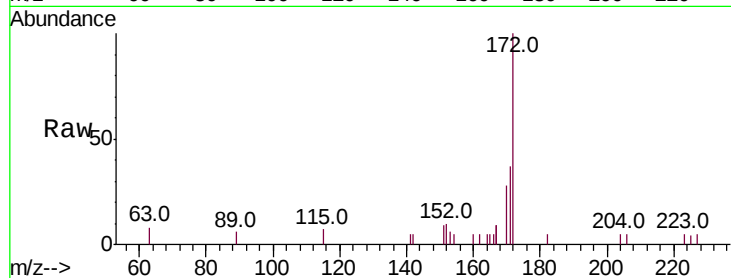




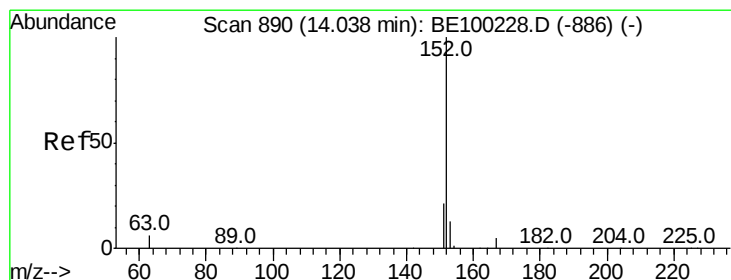
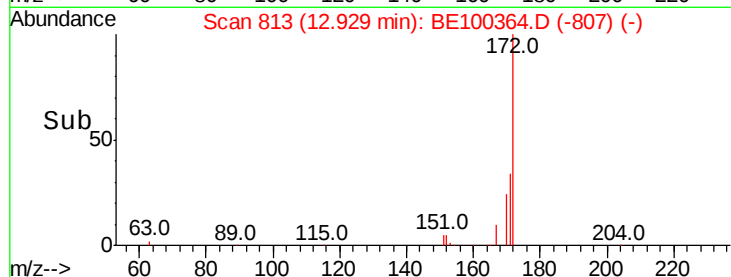
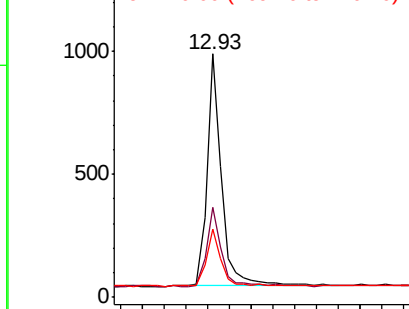
#15
 2-Fluorobiphenyl
 Concen: 0.259 ng
 RT: 12.93 min Scan# 813
 Delta R.T. -0.01 min
 Lab File: BE100364.D
 Acq: 4 Jul 2019 13:26

Instrument :
 BNA_E
 ClientSampleId :

Tot Ion:172 Resp: 1743
 Ion Ratio Lower Upper
 172 100
 171 36.9 31.9 47.9
 170 27.8 22.2 33.2

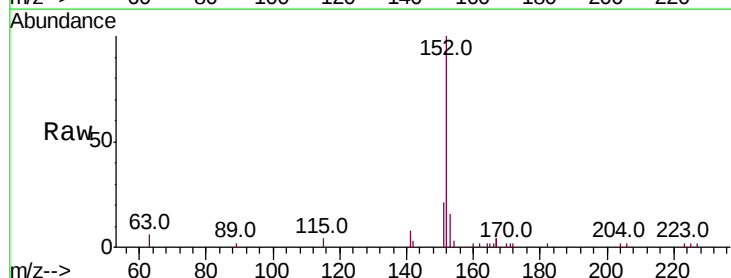


Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E

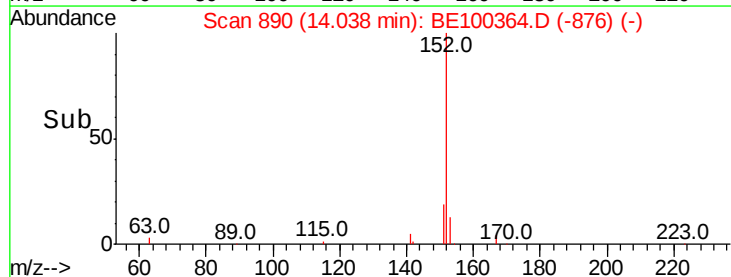
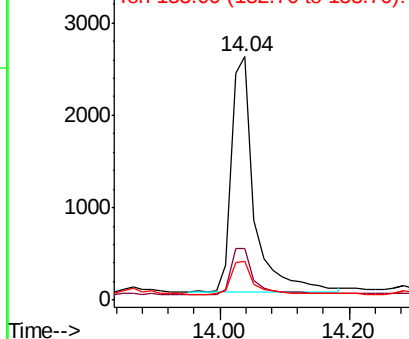


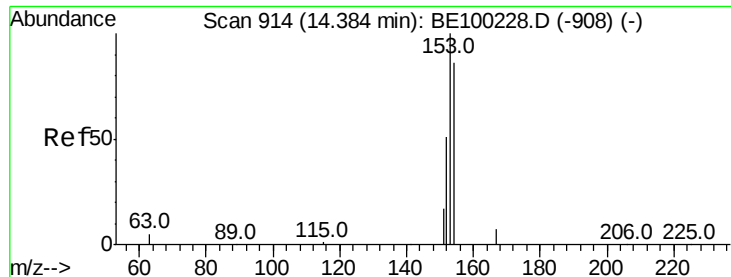
#16
 Acenaphthylene
 Concen: 0.750 ng
 RT: 14.04 min Scan# 890
 Delta R.T. 0.00 min
 Lab File: BE100364.D
 Acq: 4 Jul 2019 13:26

Tgt Ion:152 Resp: 6220
 Ion Ratio Lower Upper
 152 100
 151 20.0 16.6 25.0
 153 14.1 10.5 15.7



Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 151.00 (150.70 to 151.70): E
 Ion 153.00 (152.70 to 153.70): E

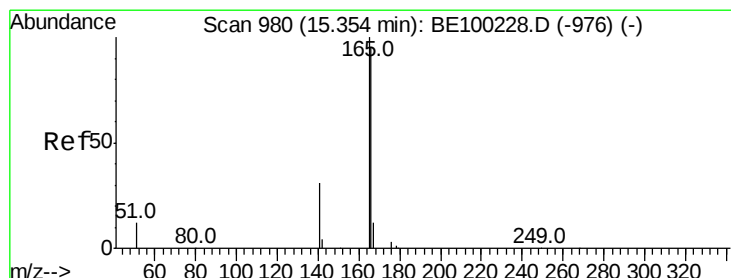
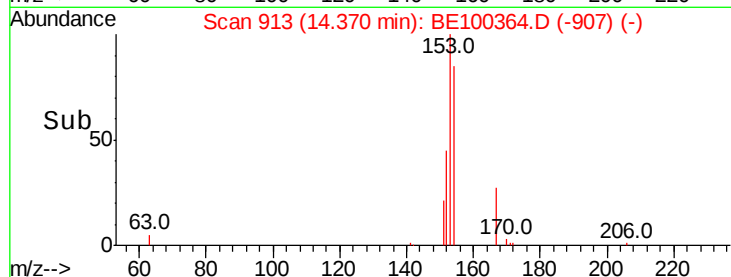
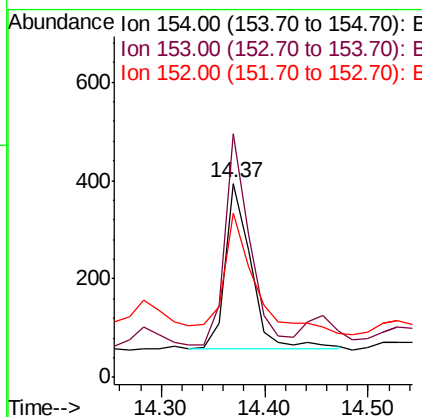
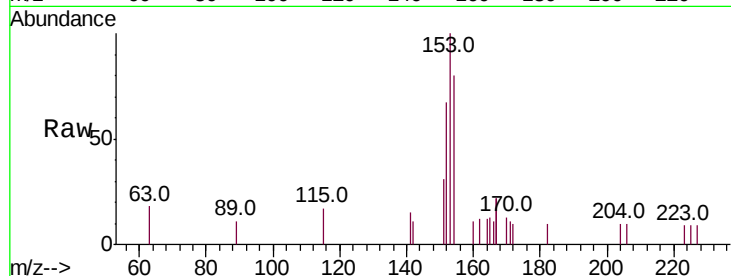




#17
Acenaphthene
Concen: 0.122 ng
RT: 14.37 min Scan# 913
Delta R.T. -0.01 min
Lab File: BE100364.D
Acq: 4 Jul 2019 13:26

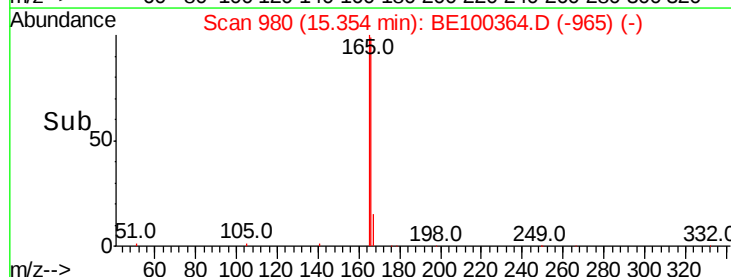
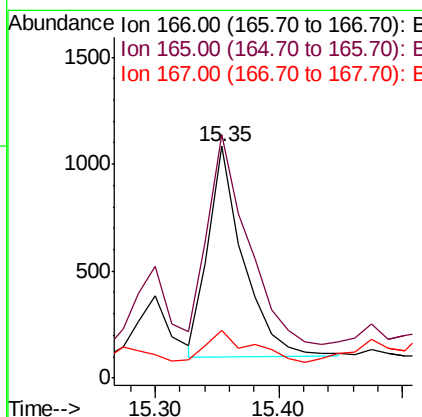
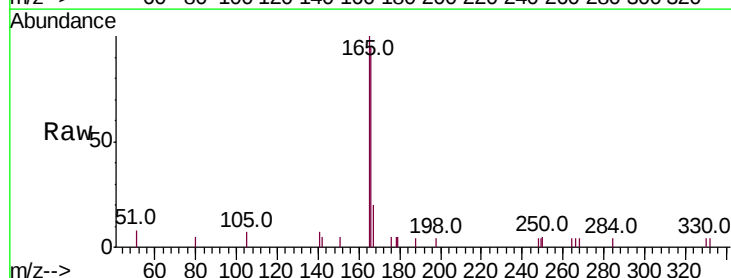
Instrument :
BNA_E
ClientSampleId :

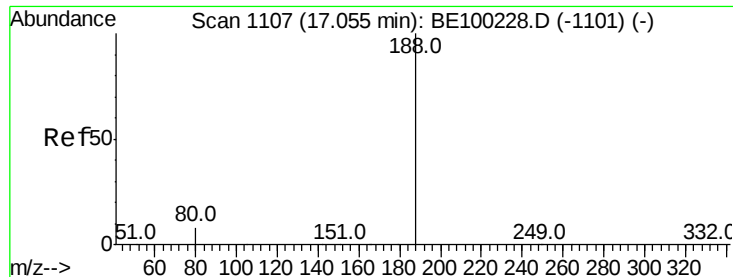
Tot Ion:154 Resp: 573
Ion Ratio Lower Upper
154 100
153 123.6 93.4 140.2
152 87.4 49.4 74.2#



#18
Fluorene
Concen: 0.280 ng
RT: 15.35 min Scan# 980
Delta R.T. -0.00 min
Lab File: BE100364.D
Acq: 4 Jul 2019 13:26

Tgt Ion:166 Resp: 1943
Ion Ratio Lower Upper
166 100
165 112.7 81.1 121.7
167 19.0 10.7 16.1#

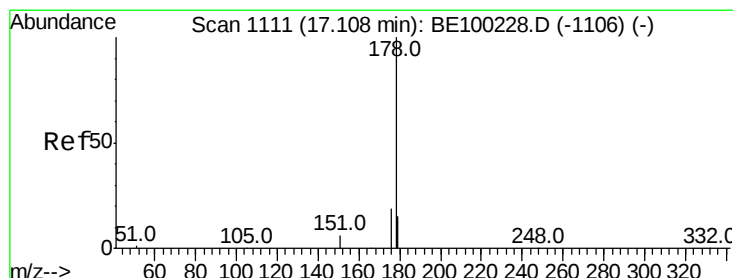
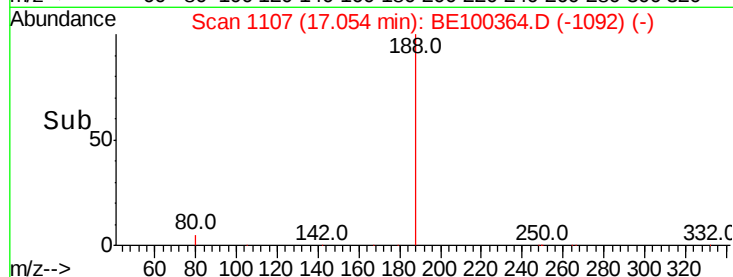
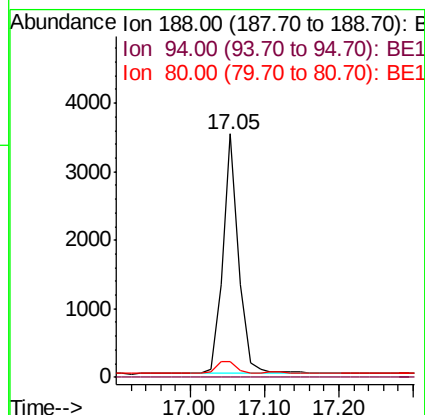
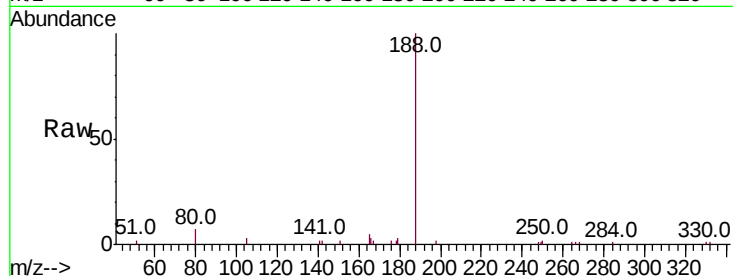




#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.05 min Scan# 1107
Delta R.T. -0.00 min
Lab File: BE100364.D
Acq: 4 Jul 2019 13:26

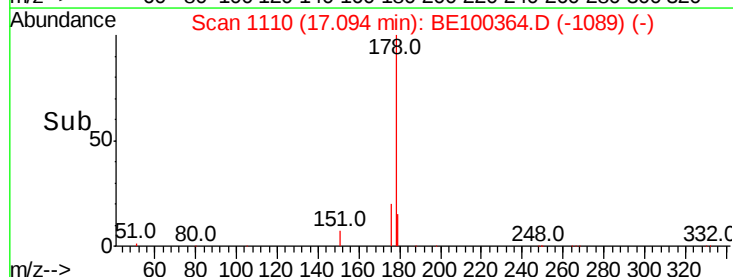
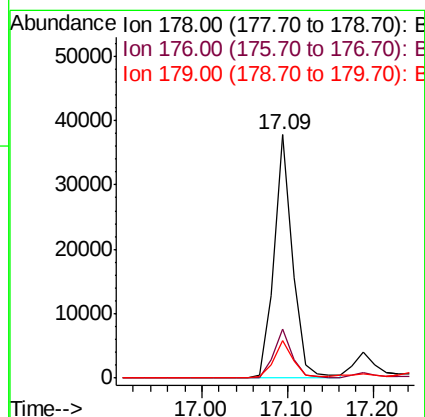
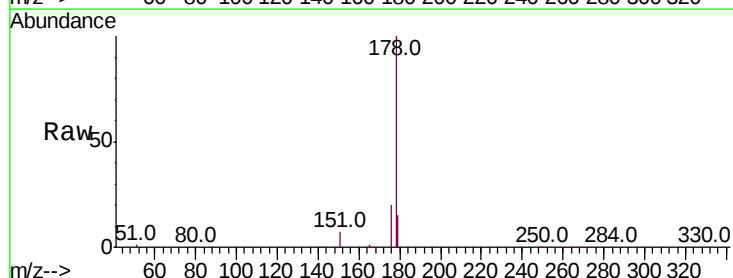
Instrument :
BNA_E
ClientSampleId :

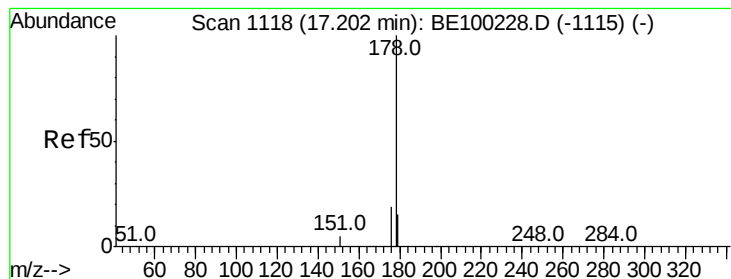
Tot Ion:188 Resp: 5245
Ion Ratio Lower Upper
188 100
94 0.0 0.0 0.0
80 6.6 7.6 11.4#



#23
Phenanthrene
Concen: 4.416 ng
RT: 17.09 min Scan# 1110
Delta R.T. -0.01 min
Lab File: BE100364.D
Acq: 4 Jul 2019 13:26

Tgt Ion:178 Resp: 56143
Ion Ratio Lower Upper
178 100
176 19.9 15.9 23.9
179 15.4 12.2 18.2





#24

Anthracene

Concen: 0.564 ng

RT: 17.19 min Scan# 1117

Delta R.T. -0.01 min

Lab File: BE100364.D

Acq: 4 Jul 2019 13:26

Instrument :

BNA_E

ClientSampleId :

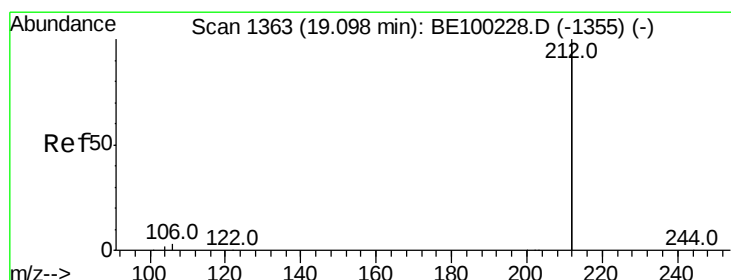
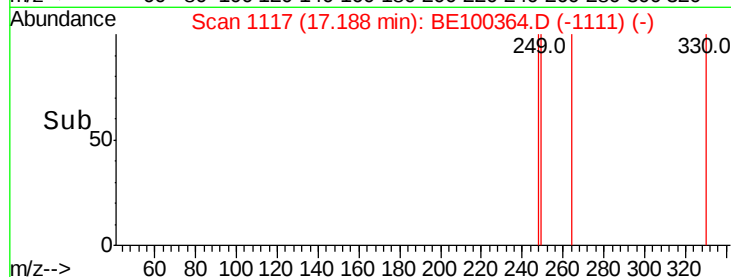
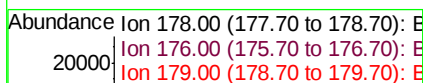
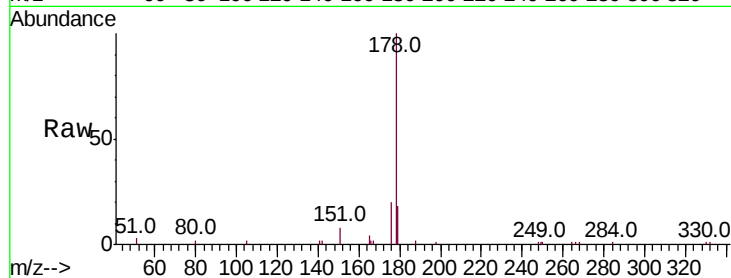
Tot Ion:178 Resp: 6451

Ion Ratio Lower Upper

178 100

176 19.1 15.3 22.9

179 13.4 12.2 18.2



#25

Fluoranthene-d10

Concen: 0.201 ng

RT: 19.09 min Scan# 1362

Delta R.T. -0.00 min

Lab File: BE100364.D

Acq: 4 Jul 2019 13:26

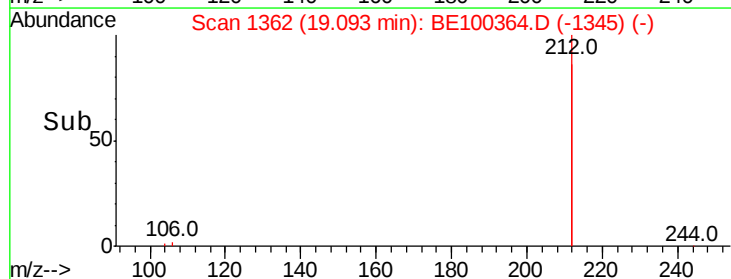
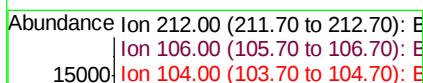
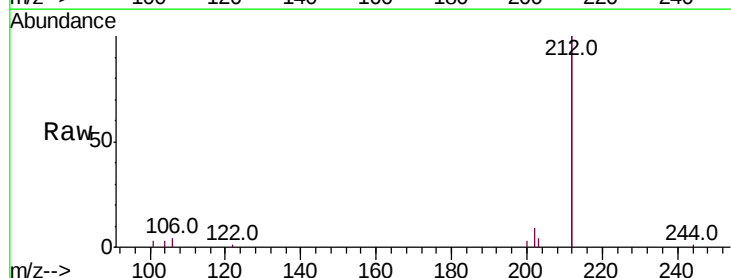
Tgt Ion:212 Resp: 15307

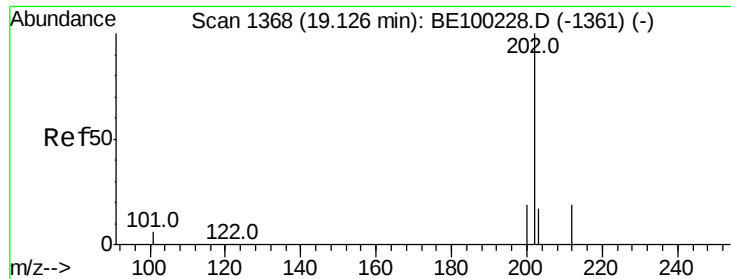
Ion Ratio Lower Upper

212 100

106 1.6 1.3 1.9

104 1.0 0.8 1.2





#26

Fluoranthene

Concen: 5.896 ng

RT: 19.12 min Scan# 1367

Delta R.T. -0.00 min

Lab File: BE100364.D

Acq: 4 Jul 2019 13:26

Instrument :

BNA_E

ClientSampleId :

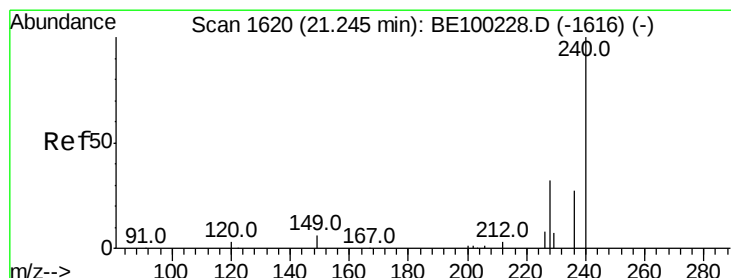
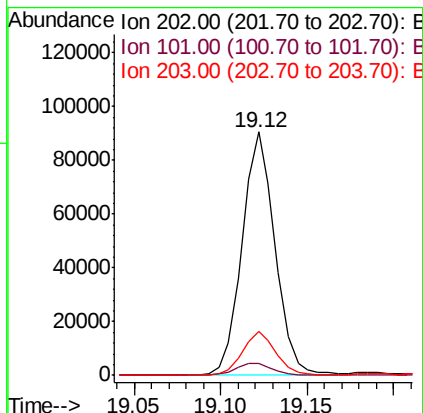
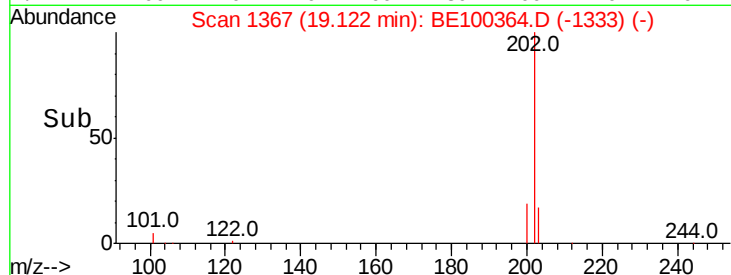
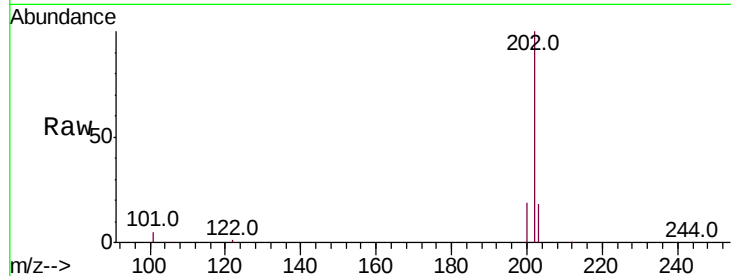
Tot Ion:202 Resp: 119394

Ion Ratio Lower Upper

202 100

101 5.3 4.6 7.0

203 17.7 13.7 20.5



#27

Chrysene-d12

Concen: 0.400 ng

RT: 21.24 min Scan# 1619

Delta R.T. -0.00 min

Lab File: BE100364.D

Acq: 4 Jul 2019 13:26

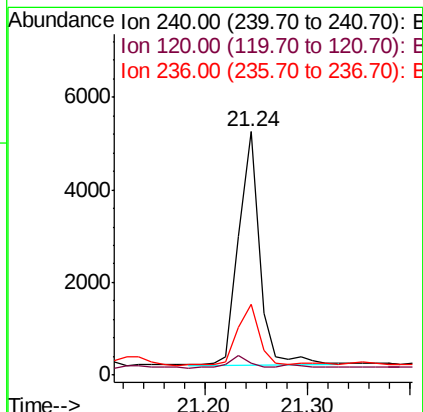
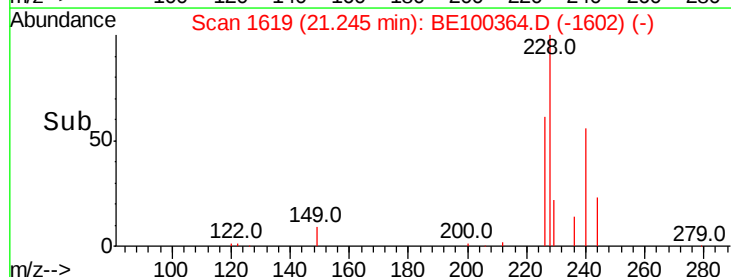
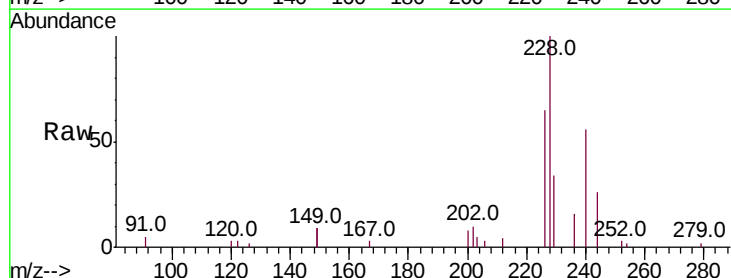
Tgt Ion:240 Resp: 7088

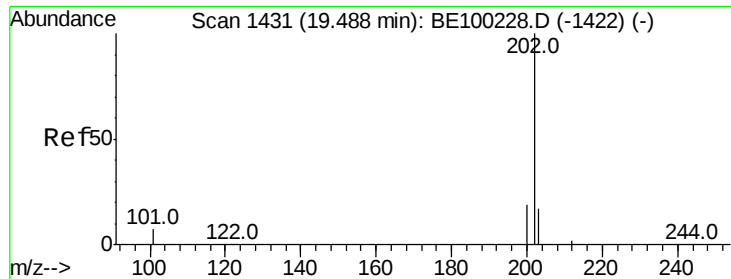
Ion Ratio Lower Upper

240 100

120 4.9 3.3 4.9#

236 29.3 22.6 34.0

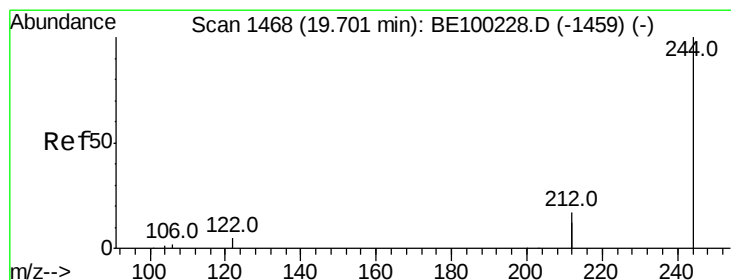
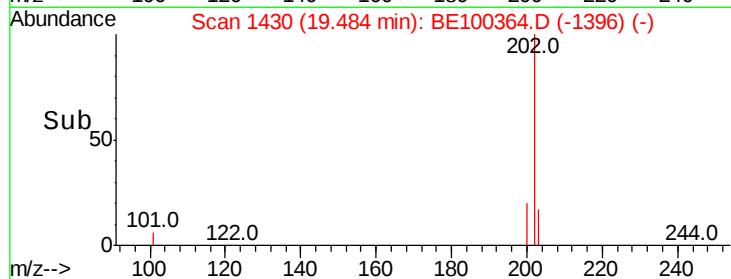
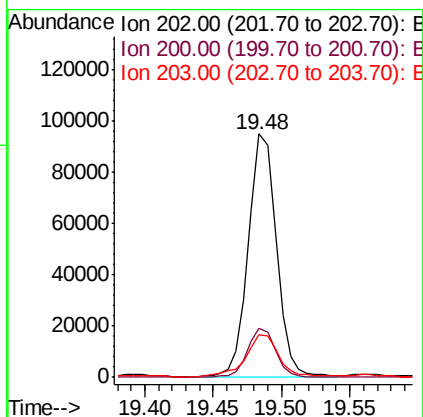
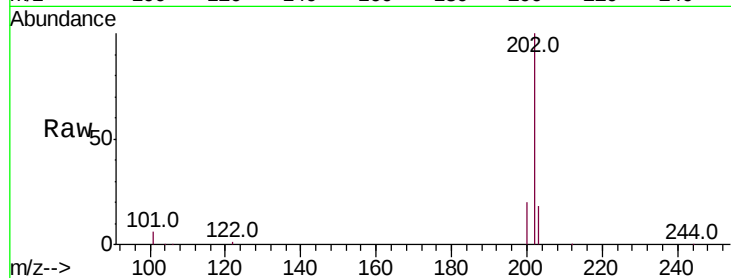




#28
Pvrene
Concen: 7.134 ng
RT: 19.48 min Scan# 1430
Delta R.T. -0.00 min
Lab File: BE100364.D
Acq: 4 Jul 2019 13:26

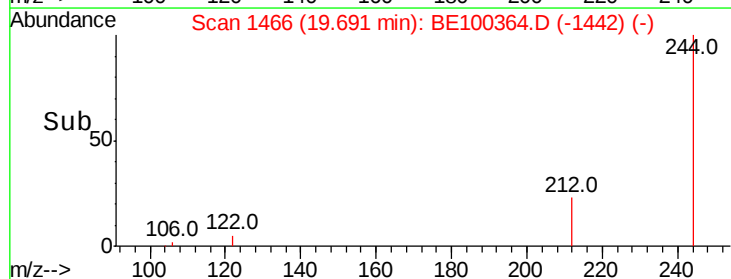
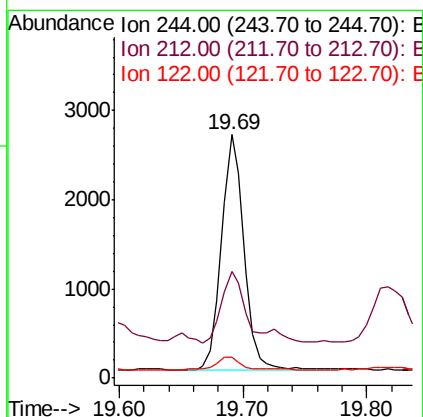
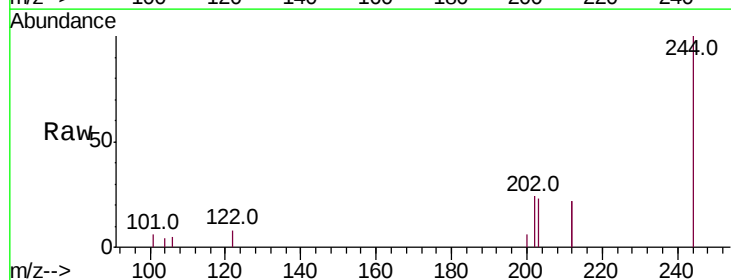
Instrument :
BNA_E
ClientSampleId :

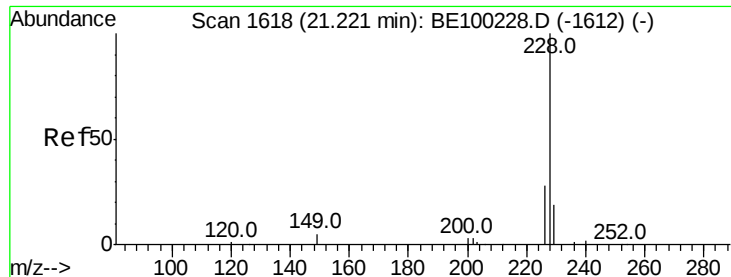
Tot Ion:202 Resp: 133881
Ion Ratio Lower Upper
202 100
200 19.9 15.6 23.4
203 20.0 14.0 21.0



#29
Terphenyl-d14
Concen: 0.225 ng
RT: 19.69 min Scan# 1466
Delta R.T. -0.01 min
Lab File: BE100364.D
Acq: 4 Jul 2019 13:26

Tgt Ion:244 Resp: 3305
Ion Ratio Lower Upper
244 100
212 43.8 27.3 40.9#
122 8.4 4.7 7.1#

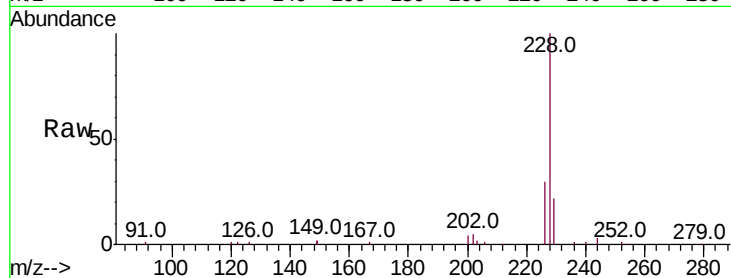




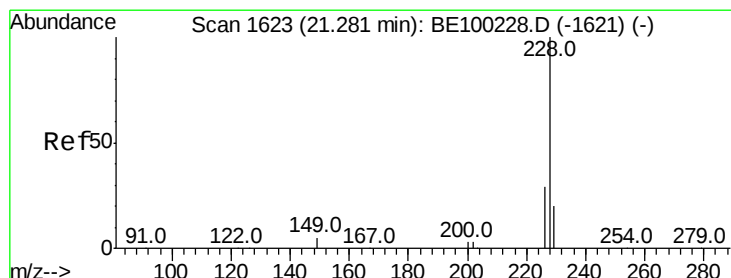
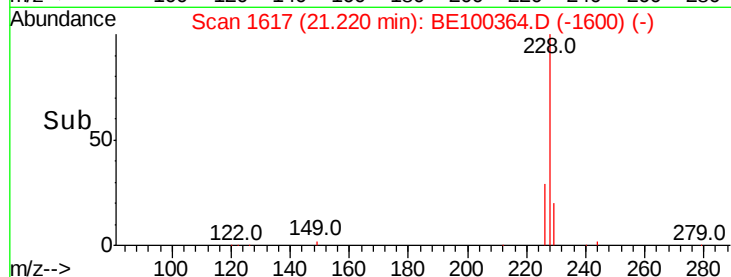
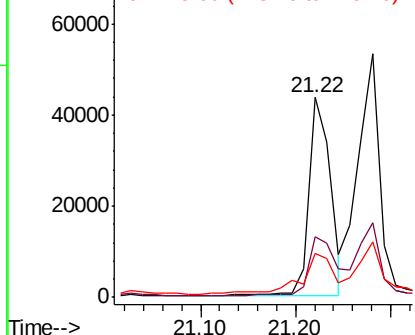
#30
Benzo(a)anthracene
Concen: 2.955 ng
RT: 21.22 min Scan# 1617
Delta R.T. -0.00 min
Lab File: BE100364.D
Acq: 4 Jul 2019 13:26

Instrument :
BNA_E
ClientSampleId :

Tot Ion:228 Resp: 68857
Ion Ratio Lower Upper
228 100
226 30.0 23.2 34.8
229 22.1 15.7 23.5

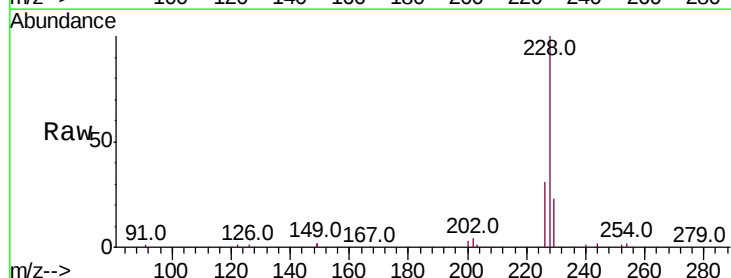


Abundance Ion 228.00 (227.70 to 228.70): E
Ion 226.00 (225.70 to 226.70): E
Ion 229.00 (228.70 to 229.70): E

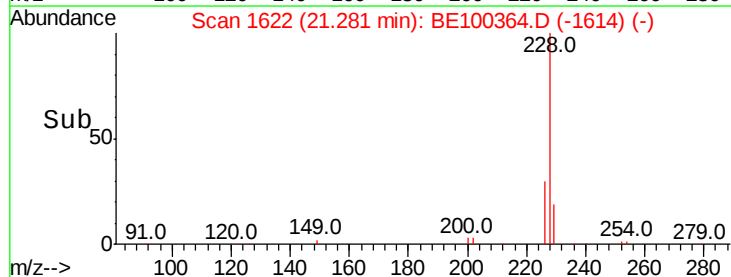
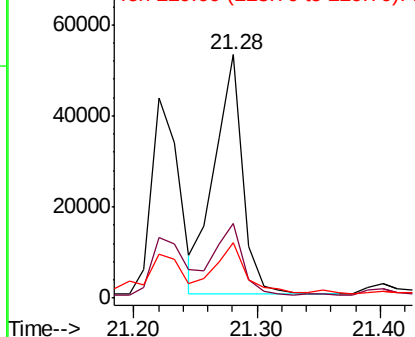


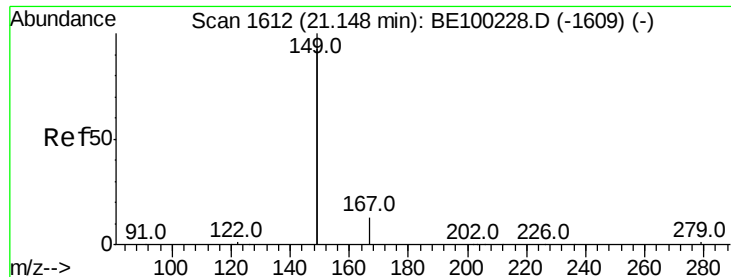
#31
Chrysene
Concen: 3.582 ng
RT: 21.28 min Scan# 1622
Delta R.T. -0.00 min
Lab File: BE100364.D
Acq: 4 Jul 2019 13:26

Tgt Ion:228 Resp: 83833
Ion Ratio Lower Upper
228 100
226 30.9 23.9 35.9
229 22.9 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: 0.562 ng

RT: 21.15 min Scan# 1611

Delta R.T. 0.00 min

Lab File: BE100364.D

Acq: 4 Jul 2019 13:26

Instrument :

BNA_E

ClientSampleId :

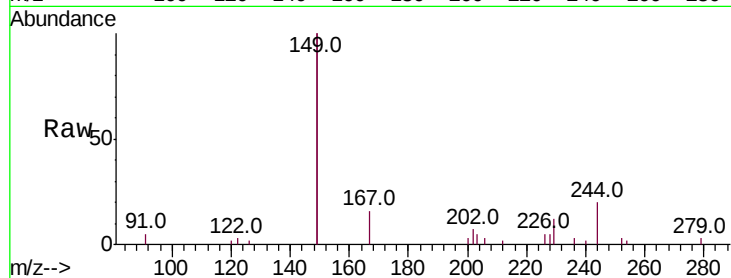
Tot Ion:149 Resp: 20419

Ion Ratio Lower Upper

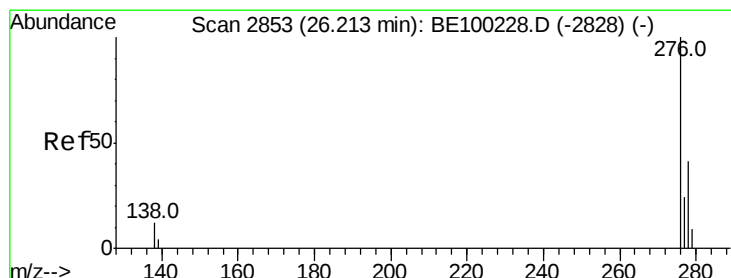
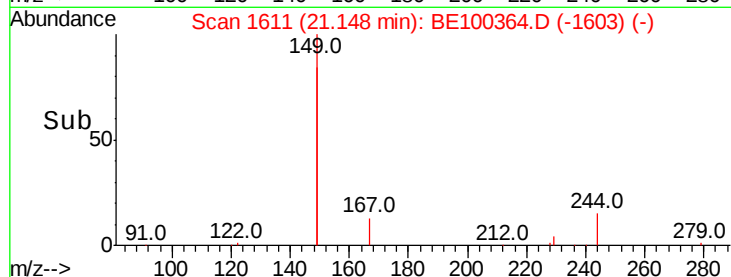
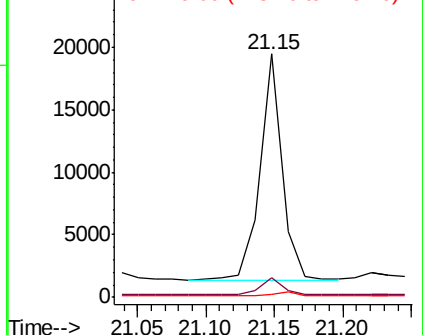
149 100

167 7.2 5.8 8.8

279 1.5 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: 1.482 ng

RT: 26.22 min Scan# 2855

Delta R.T. 0.01 min

Lab File: BE100364.D

Acq: 4 Jul 2019 13:26

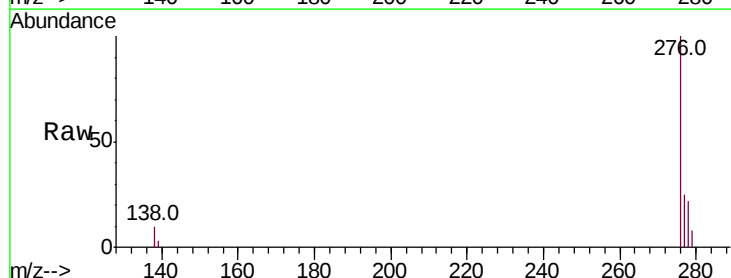
Tgt Ion:276 Resp: 45870

Ion Ratio Lower Upper

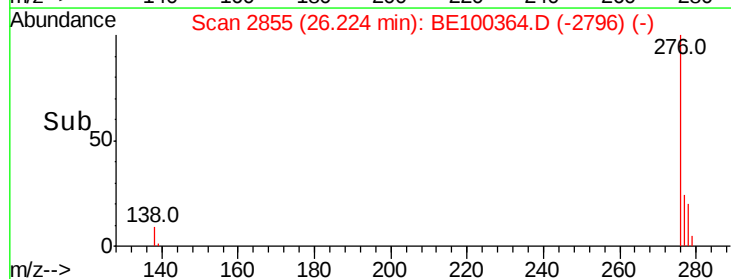
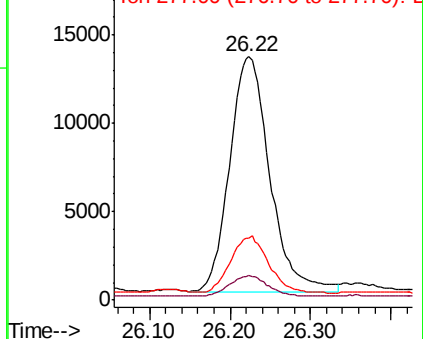
276 100

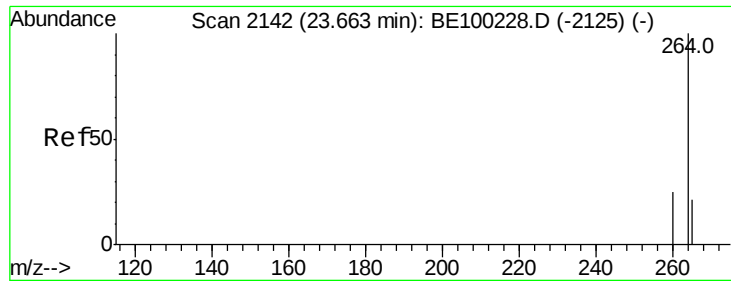
138 8.6 9.4 14.0#

277 22.3 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

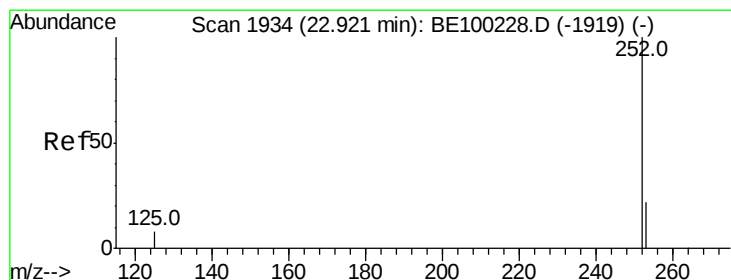
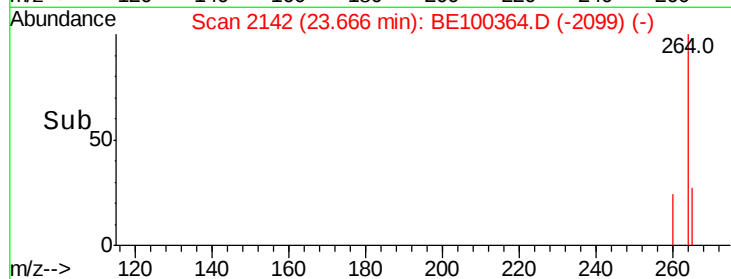
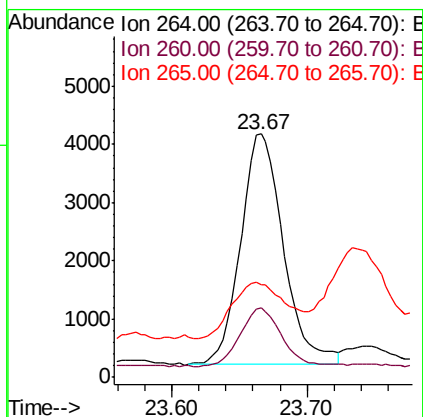
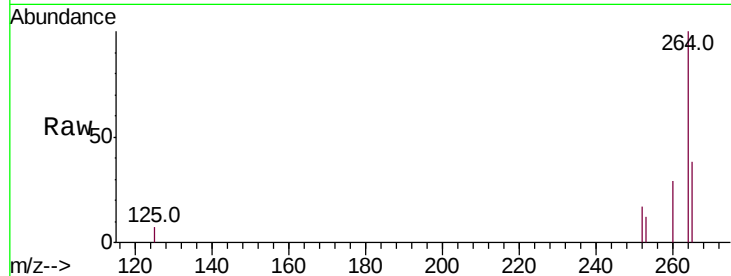




#34
Pervlene-d12
Concen: 0.400 ng
RT: 23.67 min Scan# 2142
Delta R.T. 0.00 min
Lab File: BE100364.D
Acq: 4 Jul 2019 13:26

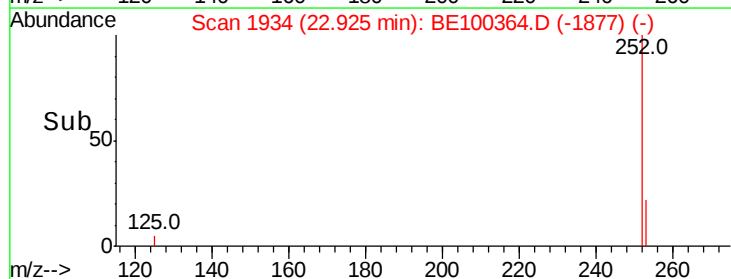
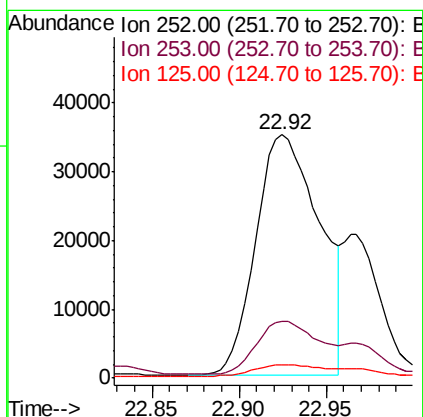
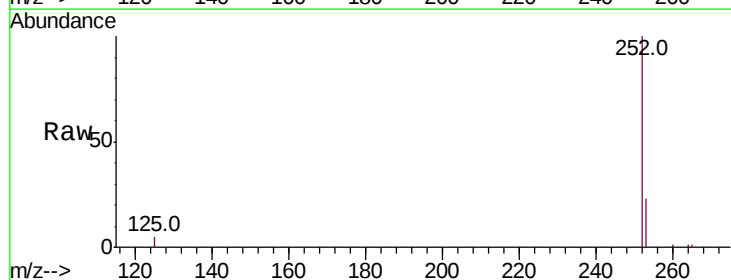
Instrument :
BNA_E
ClientSampled :

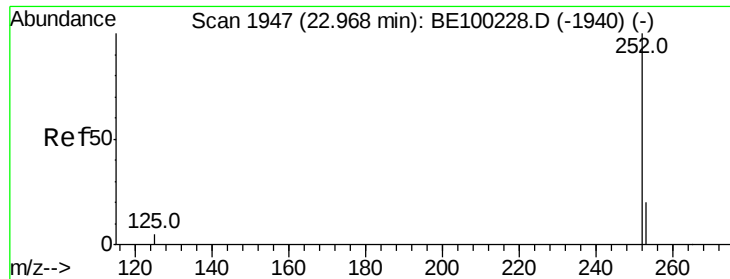
Tot Ion:264 Resp: 8752
Ion Ratio Lower Upper
264 100
260 28.6 20.8 31.2
265 38.3 21.8 32.6#



#35
Benzo(b)fluoranthene
Concen: 3.748 ng
RT: 22.92 min Scan# 1934
Delta R.T. 0.00 min
Lab File: BE100364.D
Acq: 4 Jul 2019 13:26

Tgt Ion:252 Resp: 88944
Ion Ratio Lower Upper
252 100
253 23.3 19.2 28.8
125 5.5 7.4 11.0#

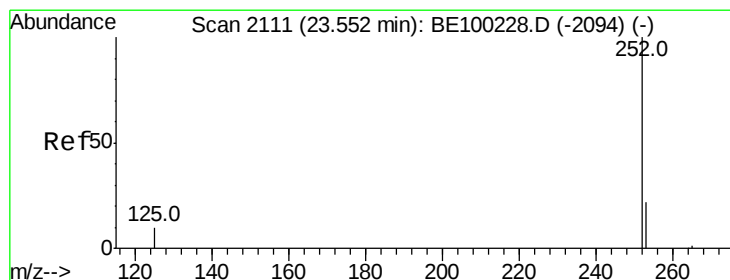
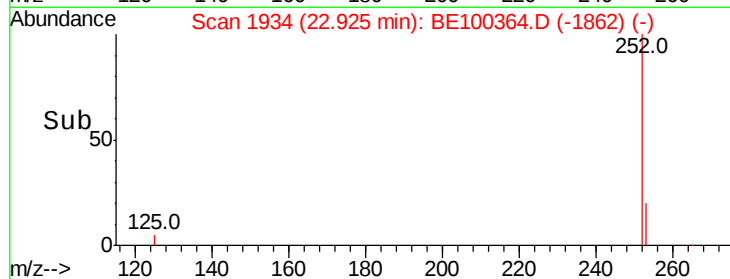
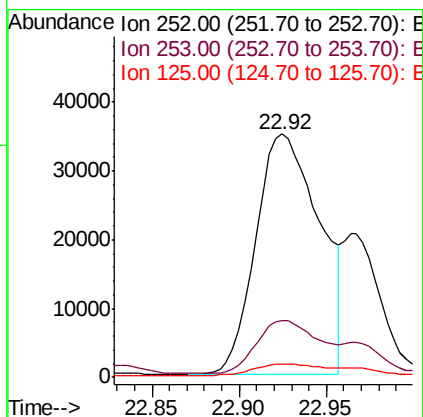
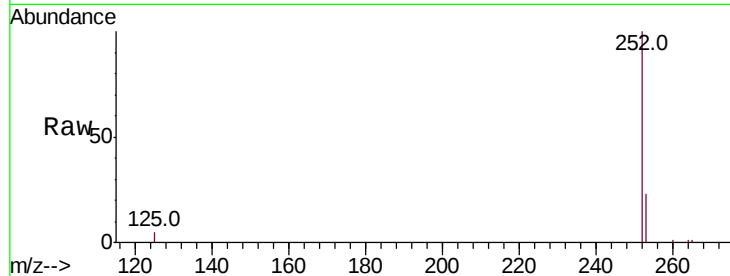




#36
Benzo(k)fluoranthene
Concen: 3.358 ng
RT: 22.92 min Scan# 1934
Delta R.T. -0.04 min
Lab File: BE100364.D
Acq: 4 Jul 2019 13:26

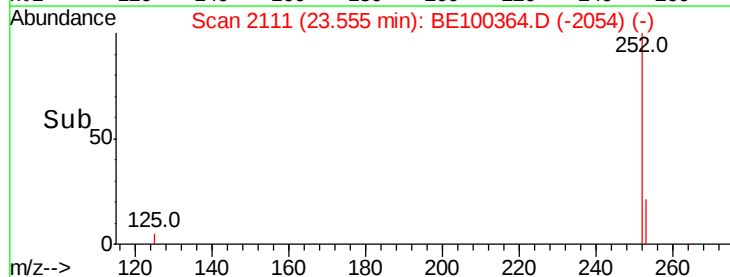
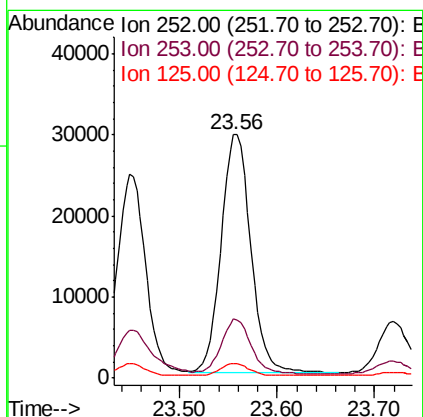
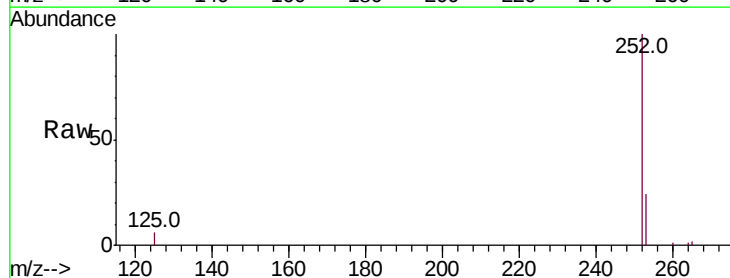
Instrument :
BNA_E
ClientSampleId :

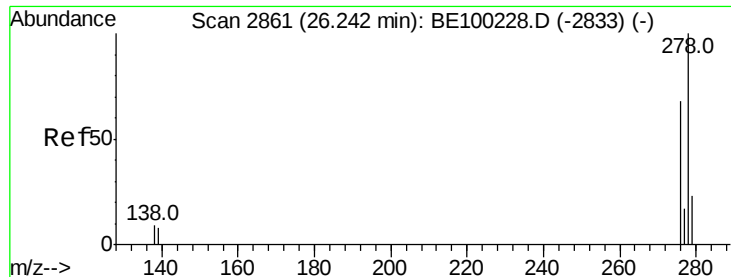
Tot Ion:252 Resp: 88944
Ion Ratio Lower Upper
252 100
253 23.3 17.9 26.9
125 5.5 5.0 7.4



#37
Benzo(a)pyrene
Concen: 2.623 ng
RT: 23.56 min Scan# 2111
Delta R.T. 0.00 min
Lab File: BE100364.D
Acq: 4 Jul 2019 13:26

Tgt Ion:252 Resp: 62372
Ion Ratio Lower Upper
252 100
253 24.1 19.6 29.4
125 5.9 9.0 13.6#





#38

Dibenzo(a,h)anthracene

Concen: 0.439 ng

RT: 26.24 min Scan# 2859

Delta R.T. -0.00 min

Lab File: BE100364.D

Acq: 4 Jul 2019 13:26

Instrument :

BNA_E

ClientSampleId :

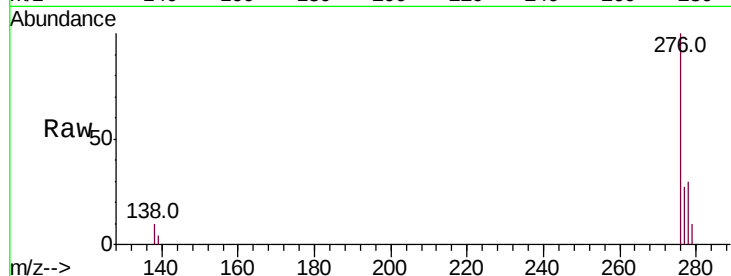
Tot Ion:278 Resp: 10894

Ion Ratio Lower Upper

278 100

139 12.1 8.2 12.2

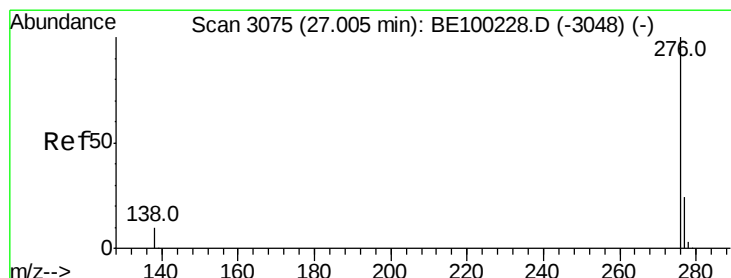
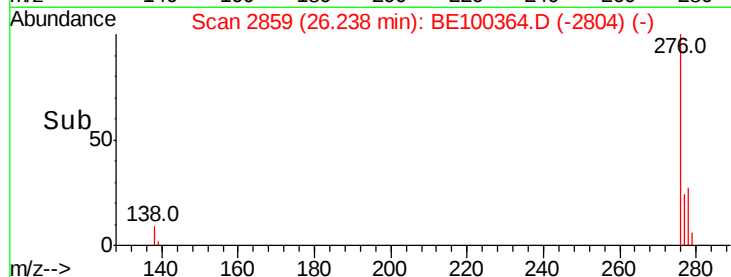
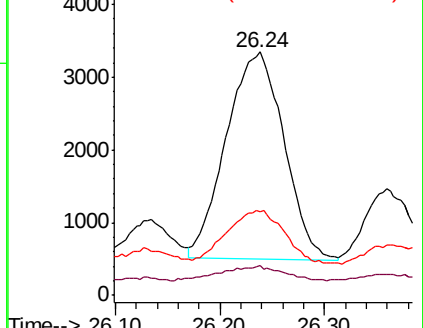
279 34.3 20.3 30.5#



Abundance Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E



#39

Benzo(g,h,i)perylene

Concen: 1.920 ng

RT: 27.02 min Scan# 3077

Delta R.T. 0.01 min

Lab File: BE100364.D

Acq: 4 Jul 2019 13:26

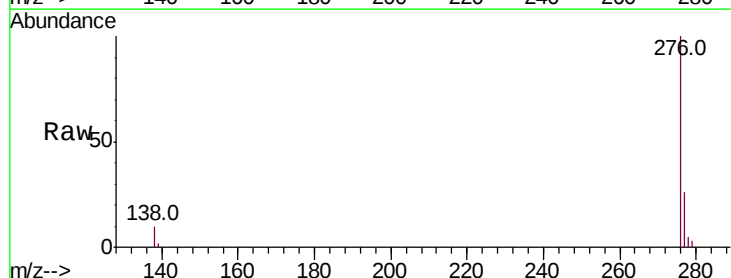
Tgt Ion:276 Resp: 48981

Ion Ratio Lower Upper

276 100

277 25.5 20.2 30.2

138 10.2 9.0 13.6



Abundance Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

