

Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE070119\
 Data File : BE100260.D
 Acq On : 1 Jul 2019 11:51
 Operator : JU/SJ
 Sample : PB120795BS
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 PB120795BS

Quant Time: Jul 01 14:50:33 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	7.64	152	723	0.40	ng	0.00
7) Naphthalene-d8	10.43	136	2492	0.40	ng	-0.01
13) Acenaphthene-d10	14.31	164	2046	0.40	ng	0.00
19) Phenanthrene-d10	17.07	188	6727	0.40	ng	0.01
27) Chrysene-d12	21.24	240	9930	0.40	ng	0.00
34) Perylene-d12	23.67	264	10564	0.40	ng	0.01

System Monitoring Compounds						
4) 2-Fluorophenol	5.21	112	948	0.51	ng	0.00
5) Phenol-d6	6.83	99	1144	0.47	ng	-0.01
8) Nitrobenzene-d5	8.81	82	1122	0.45	ng	-0.01
11) 2-Methylnaphthalene-d10	12.05	152	1962	0.42	ng	0.00
14) 2,4,6-Tribromophenol	15.81	330	853	0.60	ng	-0.01
15) 2-Fluorobiphenyl	12.94	172	3286	0.41	ng	0.00
25) Fluoranthene-d10	19.10	212	38963	0.40	ng	0.00
29) Terphenyl-d14	19.70	244	8452	0.41	ng	0.00

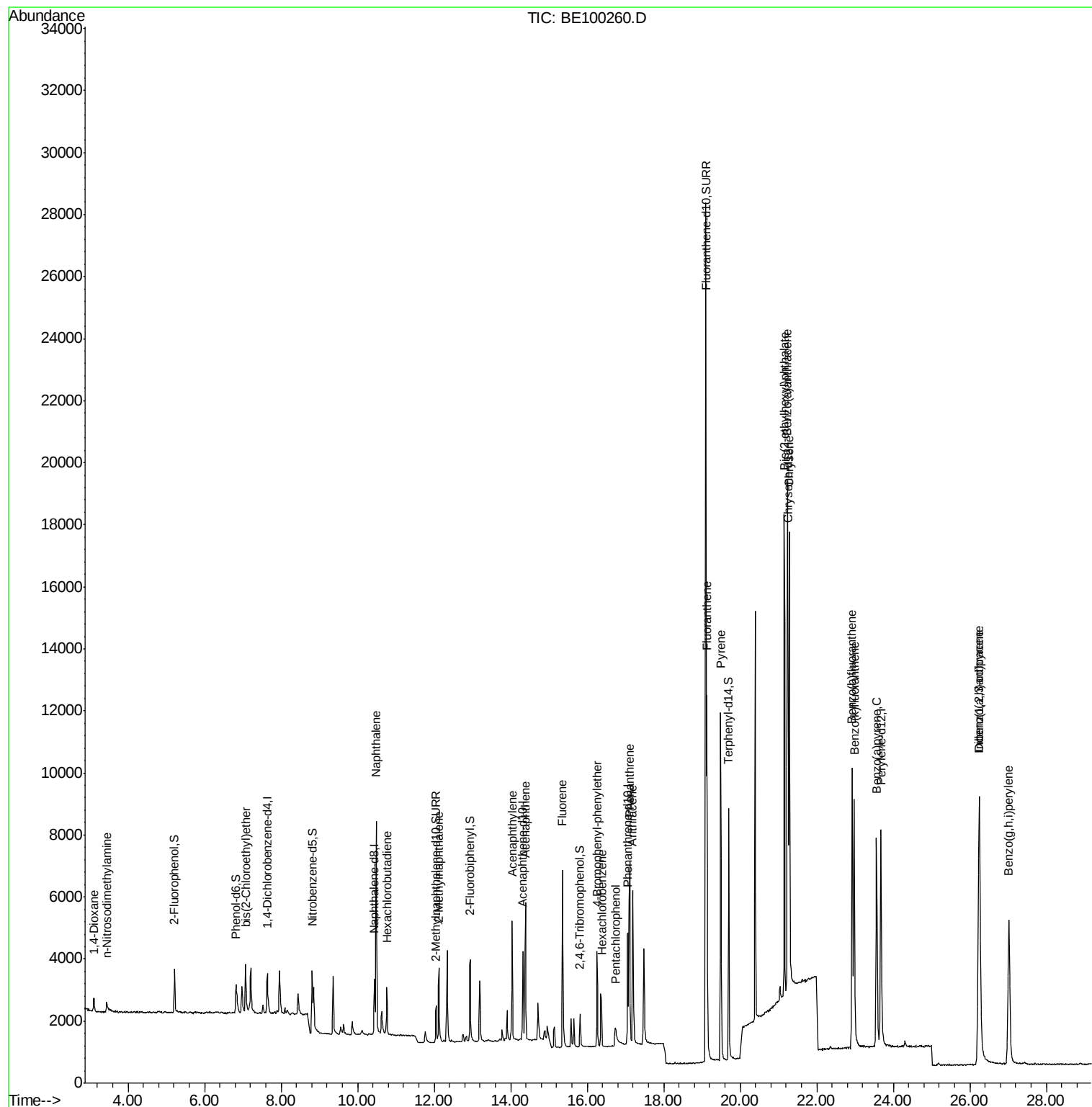
Target Compounds				Qvalue		
2) 1,4-Dioxane	3.11	88	454	0.405	ng	98
3) n-Nitrosodimethylamine	3.44	42	331	0.633	ng	# 75
6) bis(2-Chloroethyl)ether	7.08	93	867	0.435	ng	# 65
9) Naphthalene	10.48	128	11446	0.416	ng	99
10) Hexachlorobutadiene	10.76	225	1072	0.405	ng	99
12) 2-Methylnaphthalene	12.12	142	1970	0.408	ng	97
16) Acenaphthylene	14.04	152	4397	0.448	ng	98
17) Acenaphthene	14.38	154	2336	0.420	ng	98
18) Fluorene	15.35	166	3671	0.446	ng	100
20) 4-Bromophenyl-phenylether	16.25	248	1791	0.417	ng	# 84
21) Hexachlorobenzene	16.37	284	1758	0.394	ng	98
22) Pentachlorophenol	16.73	266	857	0.639	ng	93
23) Phenanthrene	17.11	178	7089	0.435	ng	99
24) Anthracene	17.19	178	6718	0.458	ng	99
26) Fluoranthene	19.13	202	10940	0.421	ng	100
28) Pyrene	19.49	202	11320	0.431	ng	100
30) Benzo(a)anthracene	21.23	228	13048	0.400	ng	97
31) Chrysene	21.28	228	13133	0.401	ng	98
32) Bis(2-ethylhexyl)phthalate	21.15	149	19617	0.368	ng	99
33) Indeno(1,2,3-cd)pyrene	26.23	276	15026	0.347	ng	99
35) Benzo(b)fluoranthene	22.93	252	12186	0.425	ng	99
36) Benzo(k)fluoranthene	22.97	252	12571	0.393	ng	96
37) Benzo(a)pyrene	23.56	252	11906	0.415	ng	99
38) Dibenzo(a,h)anthracene	26.26	278	12137	0.405	ng	98
39) Benzo(g,h,i)perylene	27.02	276	12689	0.412	ng	99

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

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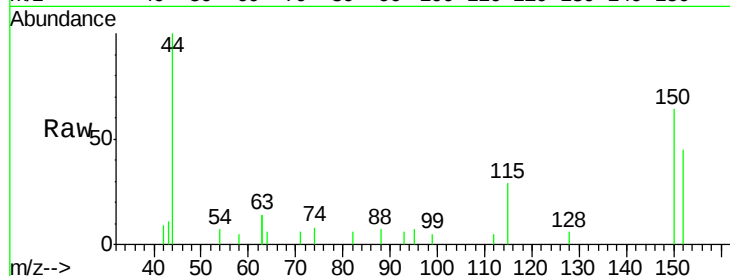


#1

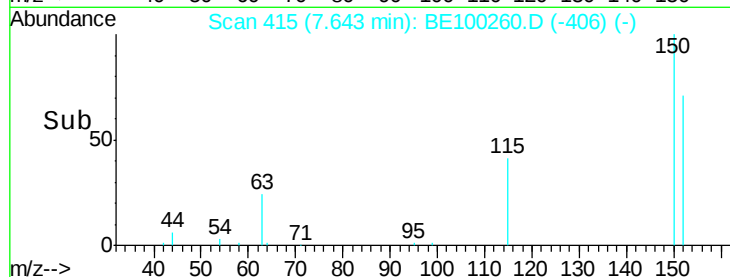
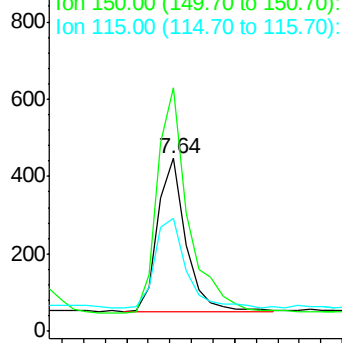
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.64 min Scan# 415
Delta R.T. -0.00 min
Lab File: BE100260.D
Acq: 1 Jul 2019 11:51

Instrument :
BNA_E
ClientSampleId :
PB120795BS

Tot Ion:152 Resp: 723
Ion Ratio Lower Upper
152 100
150 141.0 114.5 171.7
115 65.2 57.1 85.7



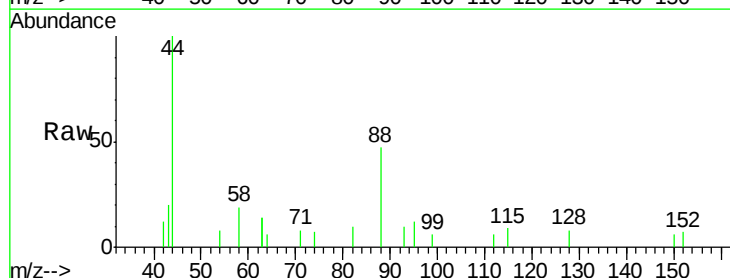
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



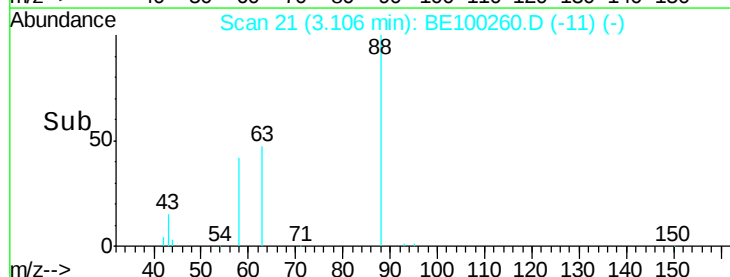
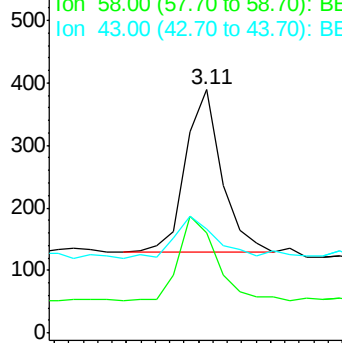
#2

1,4-Dioxane
Concen: 0.405 ng
RT: 3.11 min Scan# 21
Delta R.T. 0.01 min
Lab File: BE100260.D
Acq: 1 Jul 2019 11:51

Tgt Ion: 88 Resp: 454
Ion Ratio Lower Upper
88 100
58 53.5 43.6 65.4
43 28.9 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





#3

n-Nitrosodimethylamine

Concen: 0.633 ng

RT: 3.44 min Scan# 50

Delta R.T. -0.02 min

Lab File: BE100260.D

Acq: 1 Jul 2019 11:51

Instrument :

BNA_E

ClientSampleId :

PB120795BS

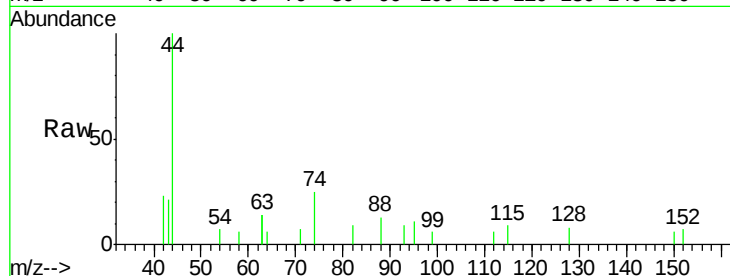
Tot Ion: 42 Resp: 331

Ion Ratio Lower Upper

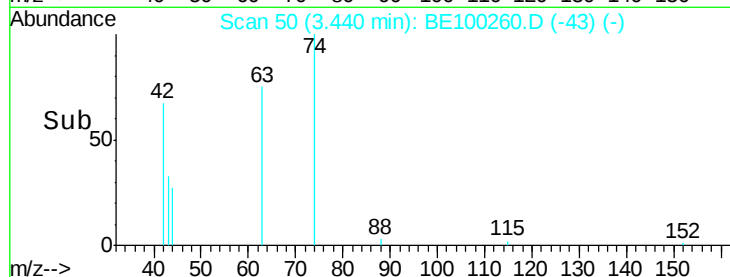
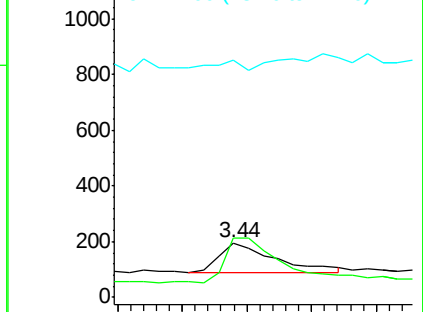
42 100

74 139.9 130.6 196.0

44 14.8 38.0 57.0#



Abundance Ion 42.00 (41.70 to 42.70): BE1
Ion 74.00 (73.70 to 74.70): BE1
Ion 44.00 (43.70 to 44.70): BE1



#4

2-Fluorophenol

Concen: 0.514 ng

RT: 5.21 min Scan# 204

Delta R.T. -0.00 min

Lab File: BE100260.D

Acq: 1 Jul 2019 11:51

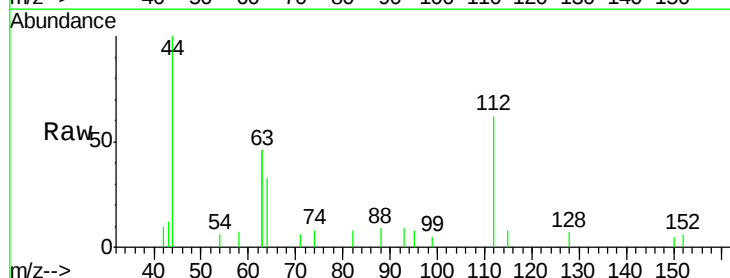
Tgt Ion: 112 Resp: 948

Ion Ratio Lower Upper

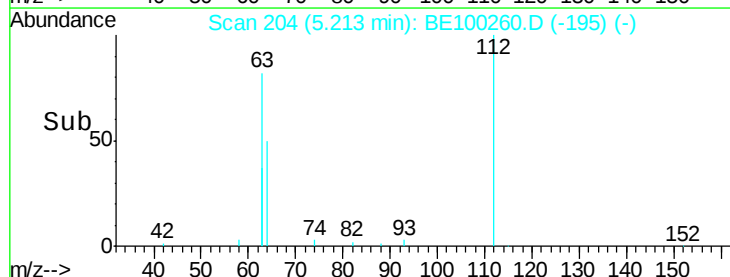
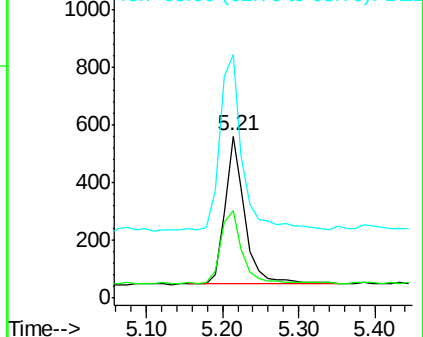
112 100

64 55.1 39.4 59.0

63 131.8 104.5 156.7



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





#5

Phenol-d6

Concen: 0.472 ng

RT: 6.83 min Scan# 344

Delta R.T. -0.01 min

Lab File: BE100260.D

Acq: 1 Jul 2019 11:51

Instrument :

BNA_E

ClientSampleId :

PB120795BS

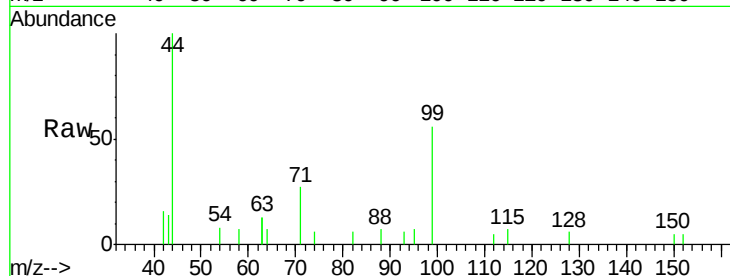
Tot Ion: 99 Resp: 1144

Ion Ratio Lower Upper

99 100

42 18.2 11.2 16.8#

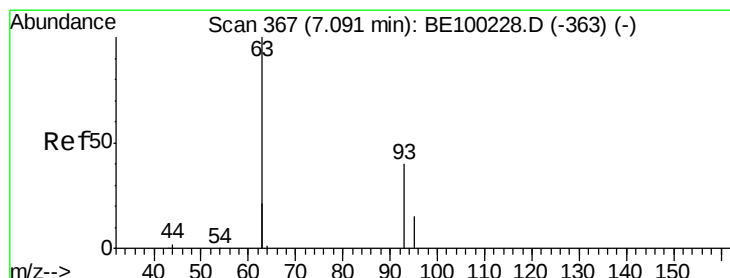
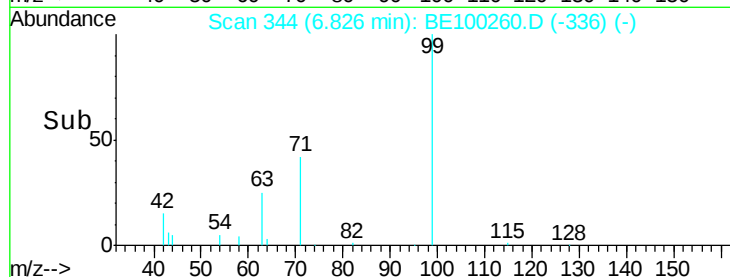
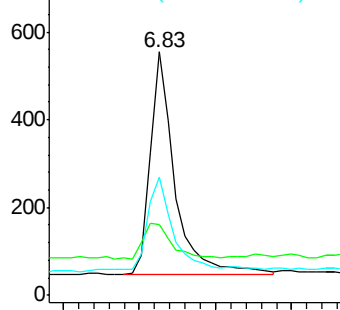
71 41.0 37.2 55.8



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



#6

bis(2-Chloroethyl)ether

Concen: 0.435 ng

RT: 7.08 min Scan# 366

Delta R.T. -0.01 min

Lab File: BE100260.D

Acq: 1 Jul 2019 11:51

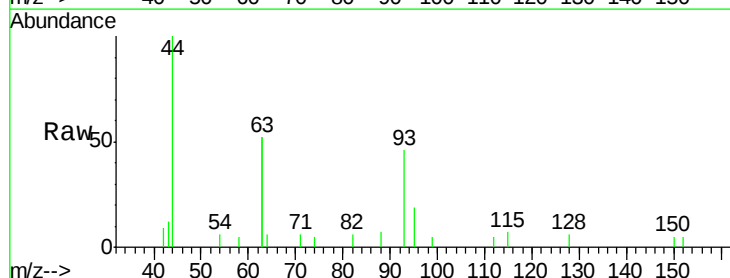
Tgt Ion: 93 Resp: 867

Ion Ratio Lower Upper

93 100

63 251.7 155.6 233.4#

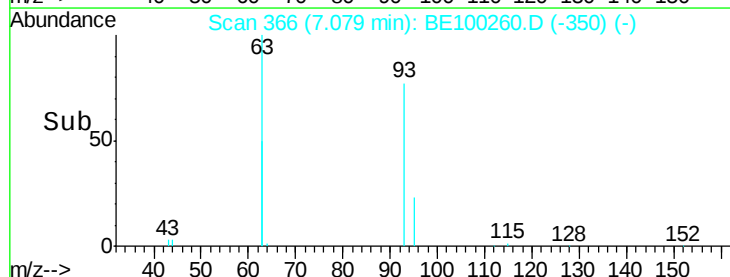
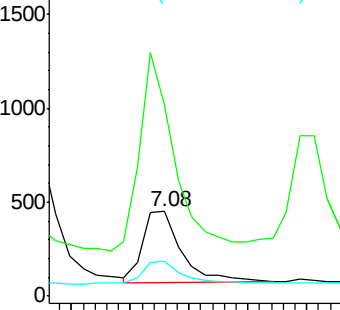
95 34.8 23.0 34.4#

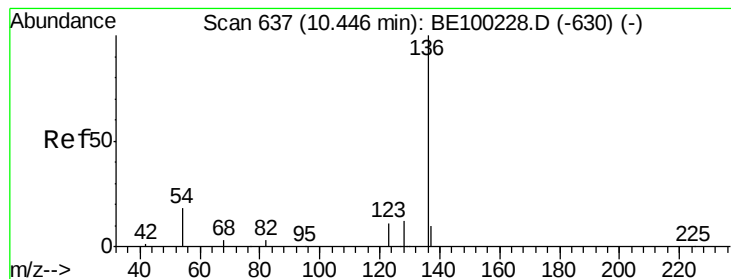


Abundance Ion 93.00 (92.70 to 93.70): BE1

Ion 63.00 (62.70 to 63.70): BE1

Ion 95.00 (94.70 to 95.70): BE1





#7

Naphthalene-d8

Concen: 0.400 ng

RT: 10.43 min Scan# 636

Delta R.T. -0.01 min

Lab File: BE100260.D

Acq: 1 Jul 2019 11:51

Instrument :

BNA_E

ClientSampleId :

PB120795BS

Tot Ion:136 Resp: 2492

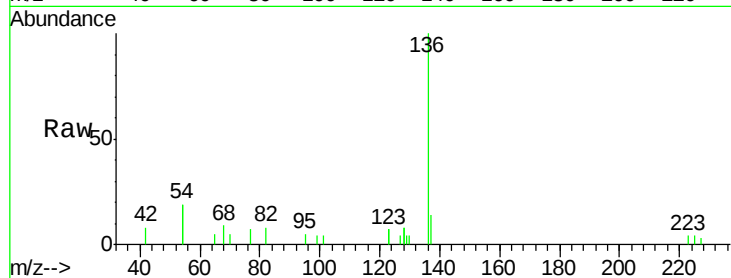
Ion Ratio Lower Upper

136 100

137 13.5 11.8 17.8

54 37.6 27.7 41.5

68 8.6 6.8 10.2

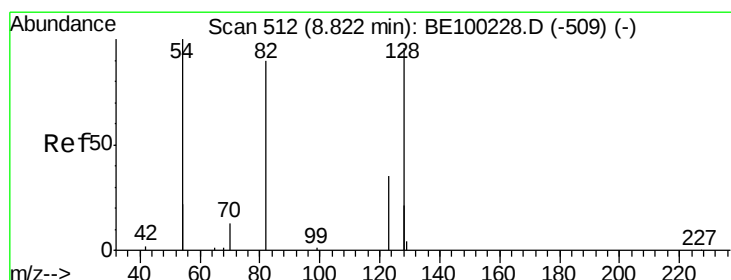
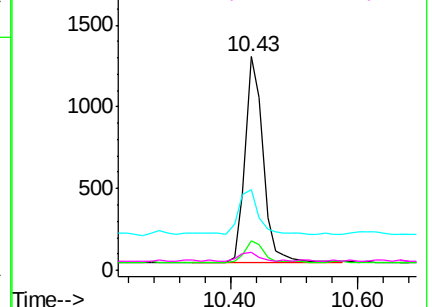
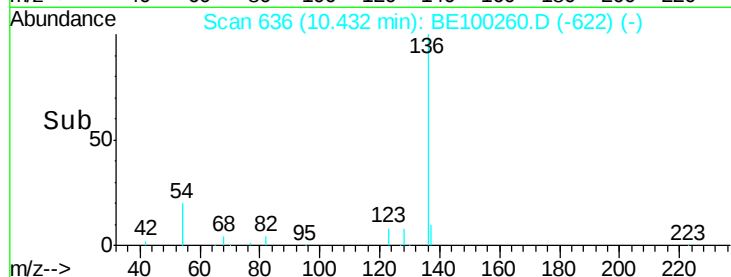


Abundance Ion 136.00 (135.70 to 136.70): E

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: 0.453 ng

RT: 8.81 min Scan# 511

Delta R.T. -0.01 min

Lab File: BE100260.D

Acq: 1 Jul 2019 11:51

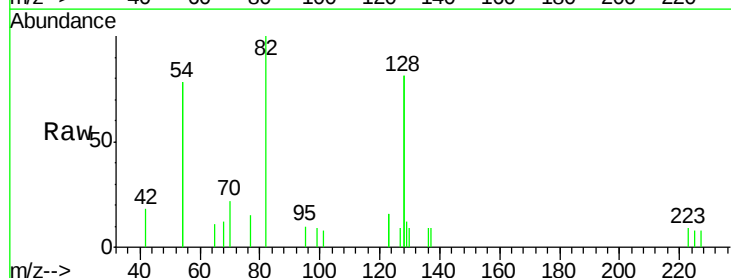
Tgt Ion: 82 Resp: 1122

Ion Ratio Lower Upper

82 100

128 161.8 140.9 211.3

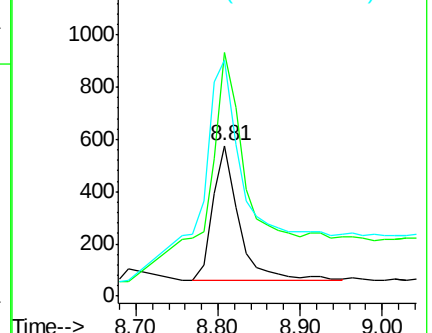
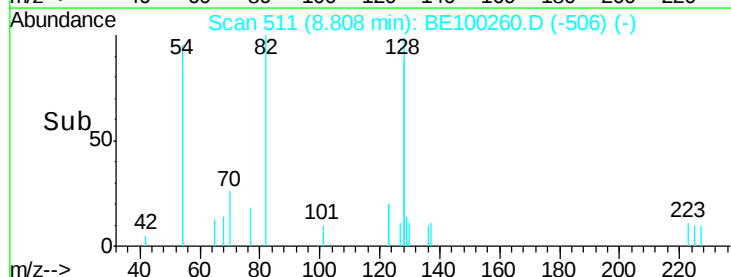
54 156.6 146.2 219.2



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: 0.416 ng

RT: 10.48 min Scan# 640

Delta R.T. -0.00 min

Lab File: BE100260.D

Acq: 1 Jul 2019 11:51

Instrument :

BNA_E

ClientSampleId :

PB120795BS

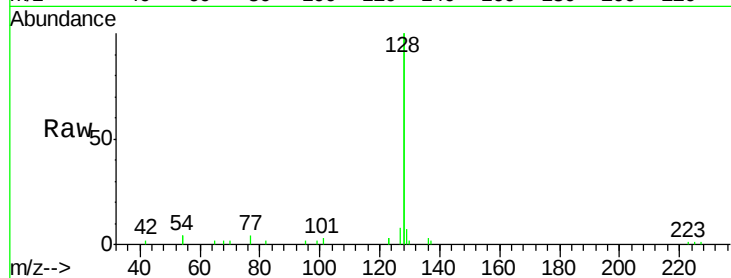
Tot Ion:128 Resp: 11446

Ion Ratio Lower Upper

128 100

129 3.5 3.0 4.6

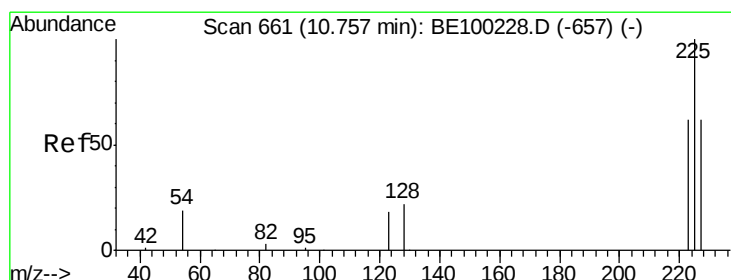
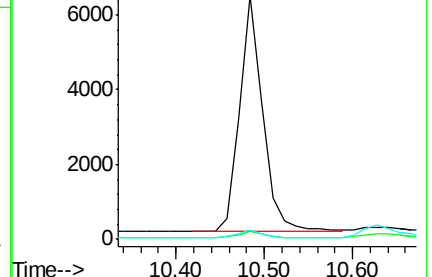
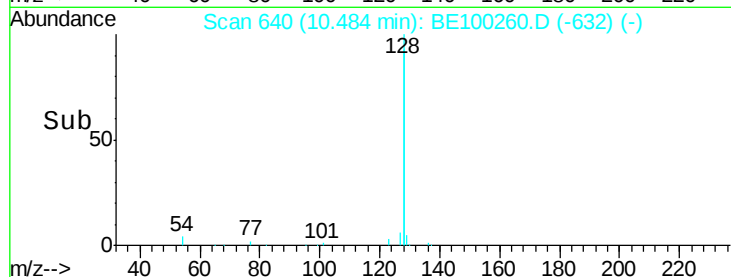
127 4.0 3.5 5.3



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



#10

Hexachlorobutadiene

Concen: 0.405 ng

RT: 10.76 min Scan# 661

Delta R.T. -0.00 min

Lab File: BE100260.D

Acq: 1 Jul 2019 11:51

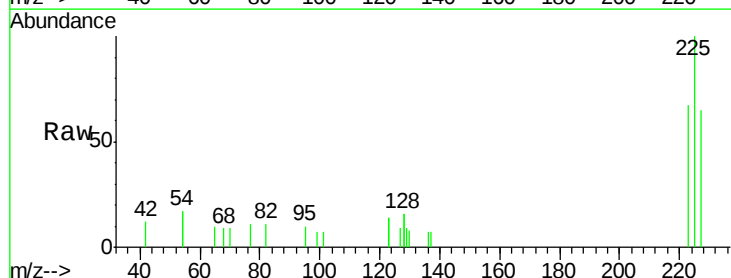
Tgt Ion:225 Resp: 1072

Ion Ratio Lower Upper

225 100

223 62.5 49.1 73.7

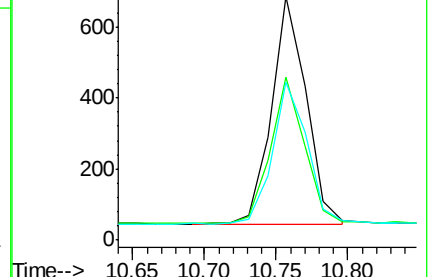
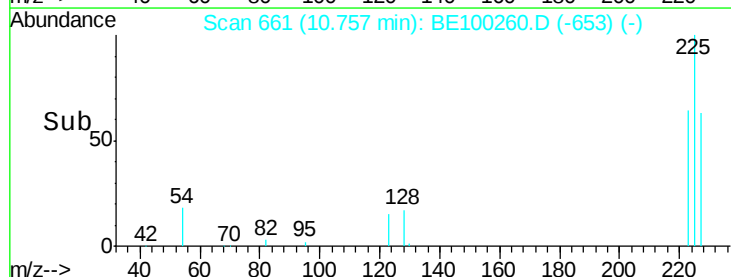
227 62.5 49.3 73.9

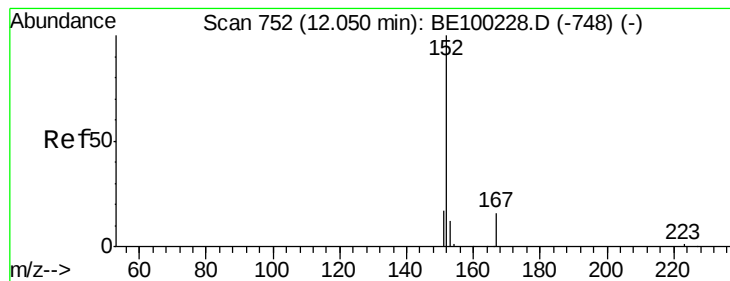


Abundance Ion 225.00 (224.70 to 225.70): E

Ion 223.00 (222.70 to 223.70): E

Ion 227.00 (226.70 to 227.70): E

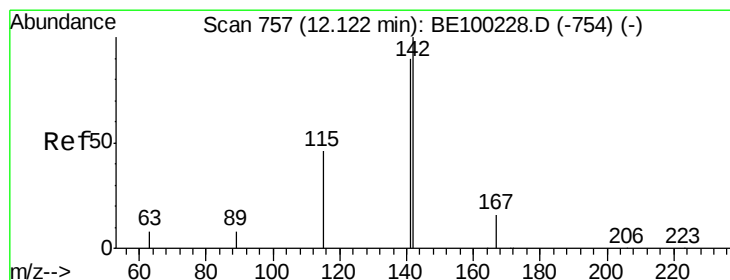
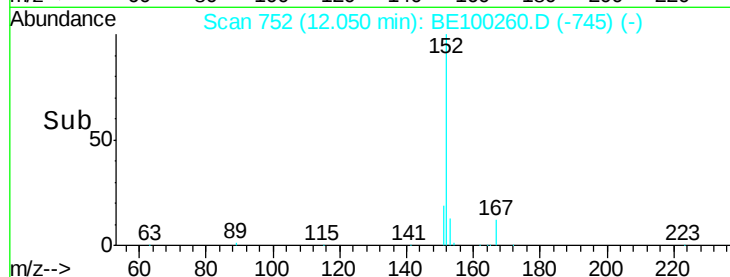
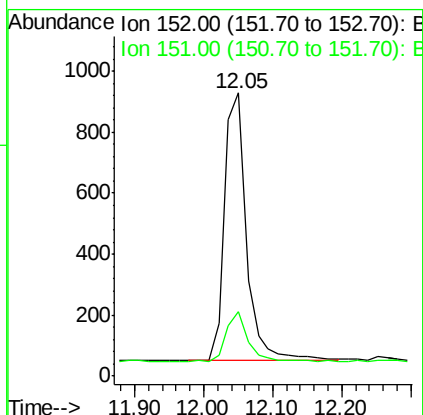
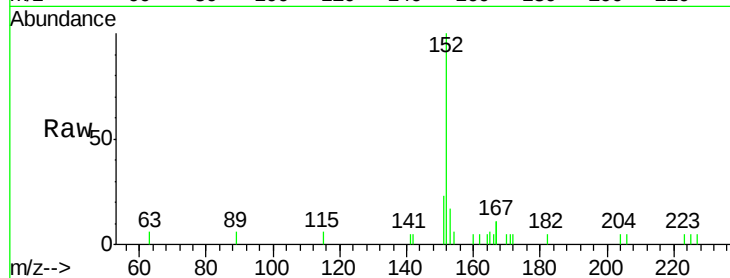




#11
2-Methylnaphthalene-d10
Concen: 0.419 ng
RT: 12.05 min Scan# 752
Delta R.T. 0.00 min
Lab File: BE100260.D
Acq: 1 Jul 2019 11:51

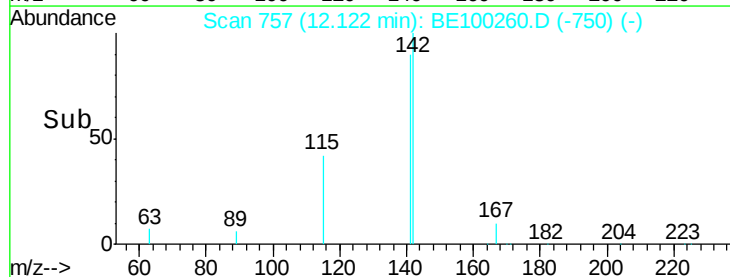
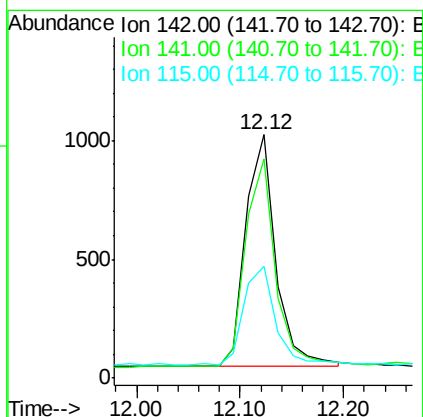
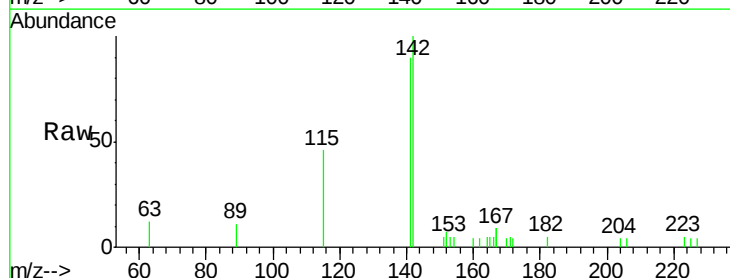
Instrument :
BNA_E
ClientSampleId :
PB120795BS

Tot Ion:152 Resp: 1962
Ion Ratio Lower Upper
152 100
151 19.3 15.1 22.7



#12
2-Methylnaphthalene
Concen: 0.408 ng
RT: 12.12 min Scan# 757
Delta R.T. 0.00 min
Lab File: BE100260.D
Acq: 1 Jul 2019 11:51

Tgt Ion:142 Resp: 1970
Ion Ratio Lower Upper
142 100
141 90.1 72.4 108.6
115 45.9 40.4 60.6

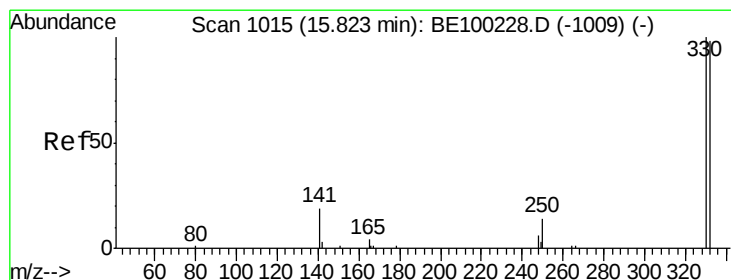
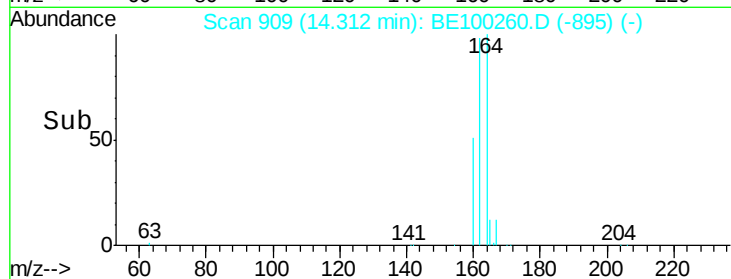
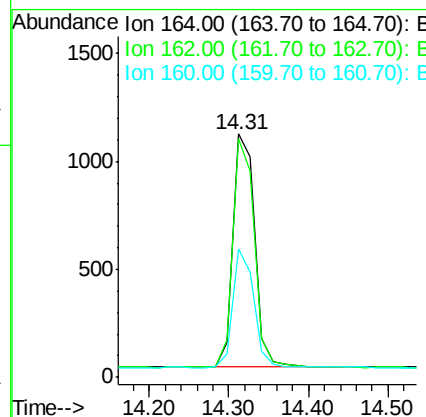
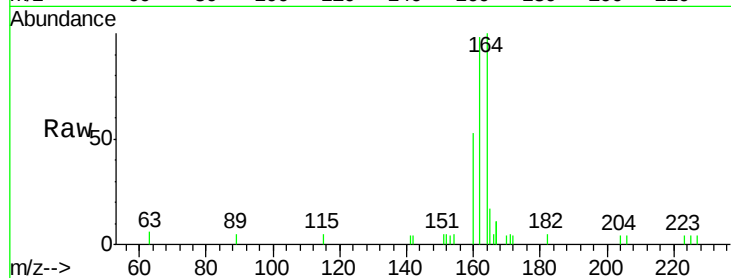




#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.31 min Scan# 909
Delta R.T. 0.00 min
Lab File: BE100260.D
Acq: 1 Jul 2019 11:51

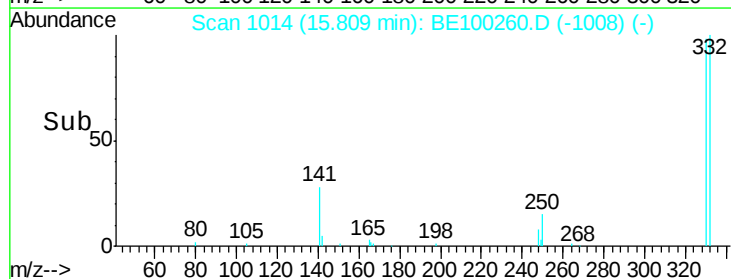
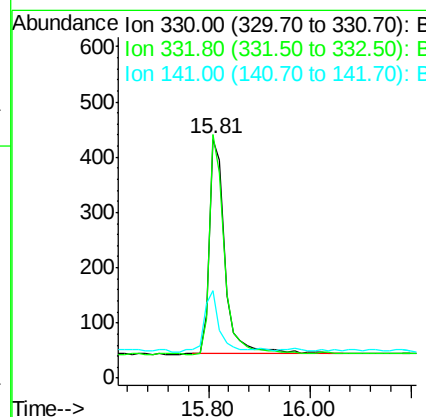
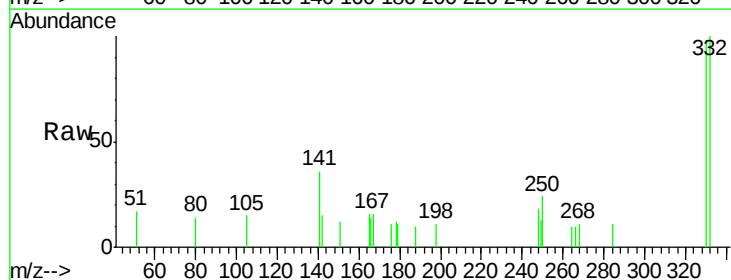
Instrument :
BNA_E
ClientSampleId :
PB120795BS

Tot Ion:164 Resp: 2046
Ion Ratio Lower Upper
164 100
162 98.1 83.4 125.0
160 52.6 45.0 67.6



#14
2,4,6-Tribromophenol
Concen: 0.596 ng
RT: 15.81 min Scan# 1014
Delta R.T. -0.01 min
Lab File: BE100260.D
Acq: 1 Jul 2019 11:51

Tgt Ion:330 Resp: 853
Ion Ratio Lower Upper
330 100
332 96.7 77.0 115.4
141 24.3 22.0 33.0

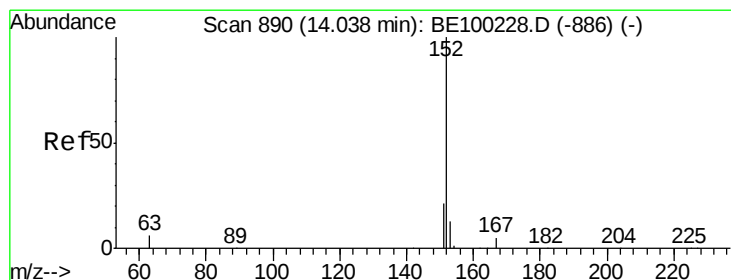
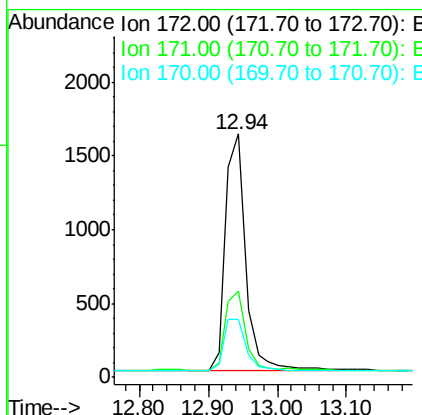
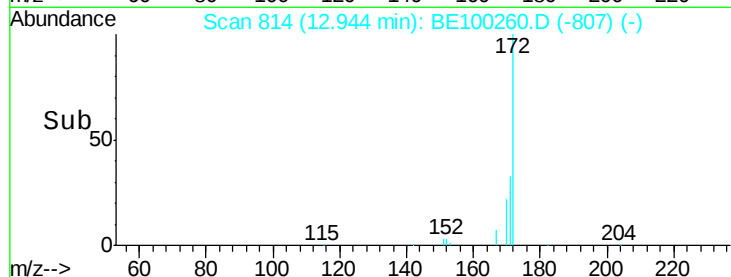
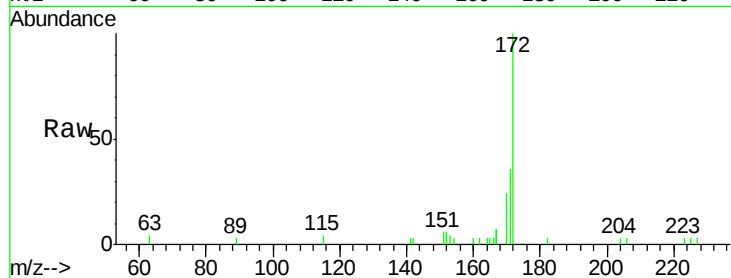




#15
 2-Fluorobiphenyl
 Concen: 0.412 ng
 RT: 12.94 min Scan# 814
 Delta R.T. 0.00 min
 Lab File: BE100260.D
 Acq: 1 Jul 2019 11:51

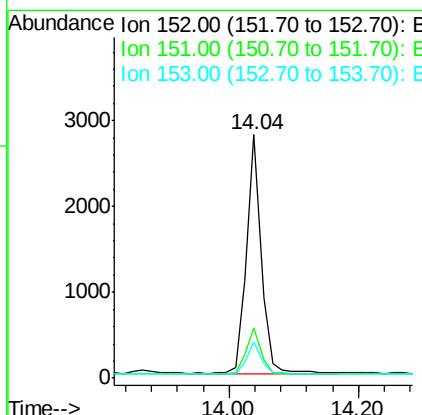
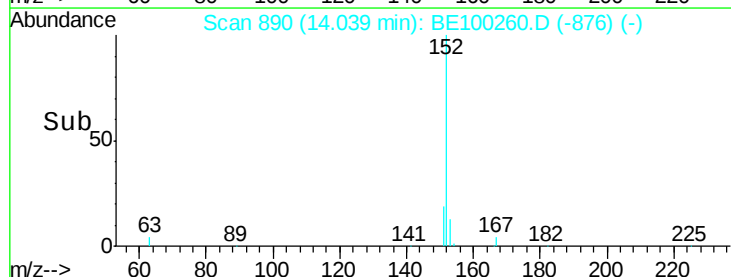
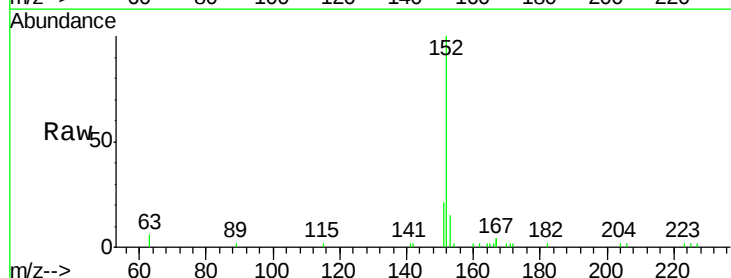
Instrument :
 BNA_E
 ClientSampleId :
 PB120795BS

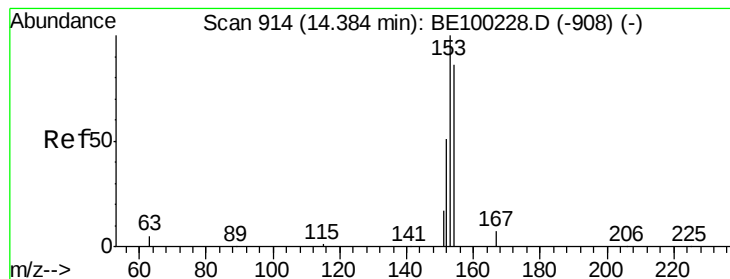
Tot Ion:172 Resp: 3286
 Ion Ratio Lower Upper
 172 100
 171 35.6 31.9 47.9
 170 24.1 22.2 33.2



#16
 Acenaphthylene
 Concen: 0.448 ng
 RT: 14.04 min Scan# 890
 Delta R.T. 0.00 min
 Lab File: BE100260.D
 Acq: 1 Jul 2019 11:51

Tgt Ion:152 Resp: 4397
 Ion Ratio Lower Upper
 152 100
 151 19.5 16.6 25.0
 153 13.2 10.5 15.7





#17

Acenaphthene

Concen: 0.420 ng

RT: 14.38 min Scan# 914

Delta R.T. 0.00 min

Lab File: BE100260.D

Acq: 1 Jul 2019 11:51

Instrument :

BNA_E

ClientSampleId :

PB120795BS

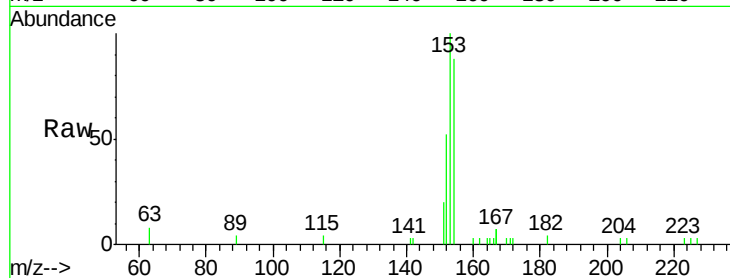
Tot Ion:154 Resp: 2336

Ion Ratio Lower Upper

154 100

153 115.6 93.4 140.2

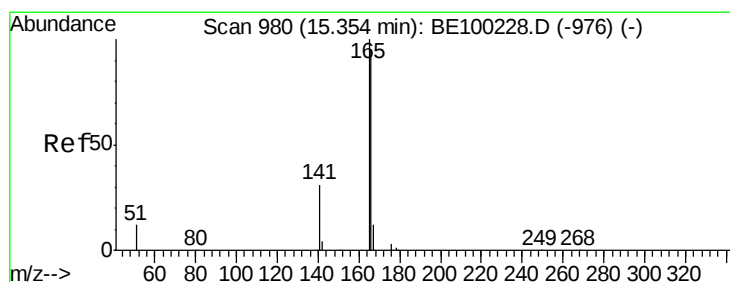
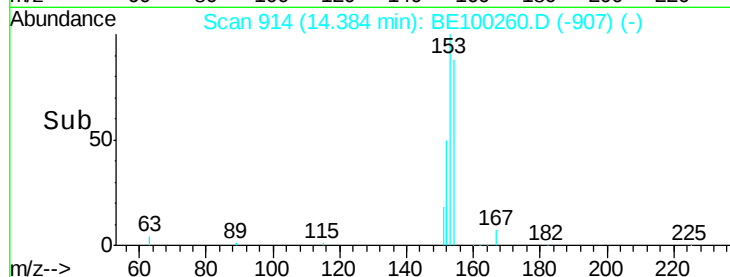
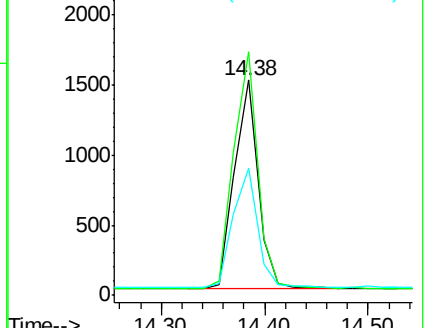
152 59.7 49.4 74.2



Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E



#18

Fluorene

Concen: 0.446 ng

RT: 15.35 min Scan# 980

Delta R.T. -0.00 min

Lab File: BE100260.D

Acq: 1 Jul 2019 11:51

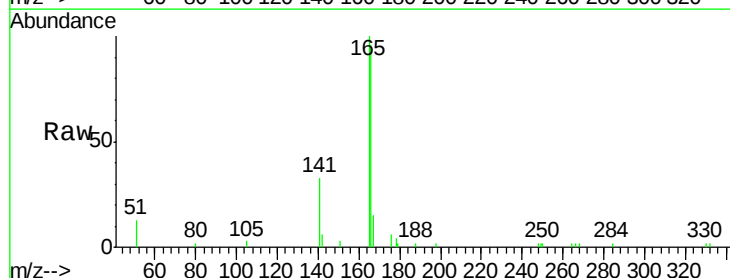
Tgt Ion:166 Resp: 3671

Ion Ratio Lower Upper

166 100

165 101.4 81.1 121.7

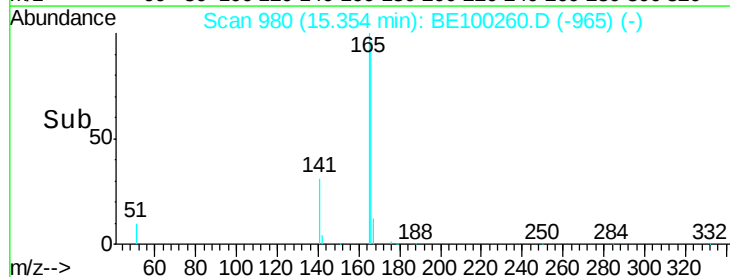
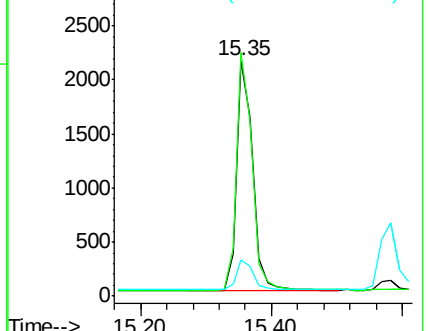
167 13.4 10.7 16.1

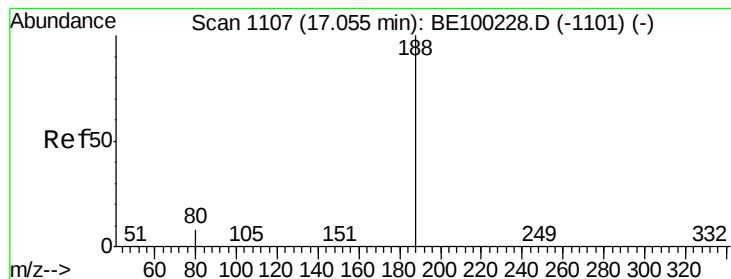


Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E





#19

Phenanthrene-d10

Concen: 0.400 ng

RT: 17.07 min Scan# 1108

Delta R.T. 0.01 min

Lab File: BE100260.D

Acq: 1 Jul 2019 11:51

Instrument :

BNA_E

ClientSampleId :

PB120795BS

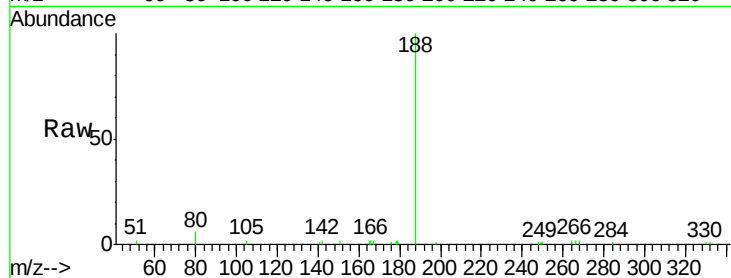
Tot Ion:188 Resp: 6727

Ion Ratio Lower Upper

188 100

94 0.0 0.0 0.0

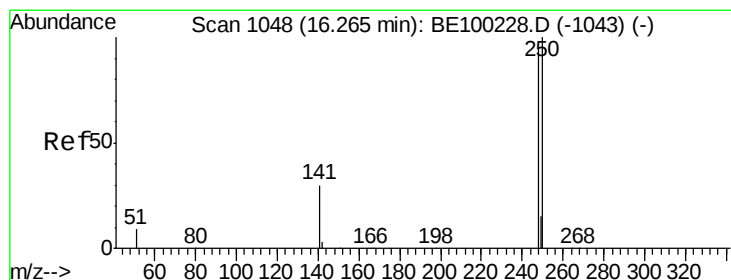
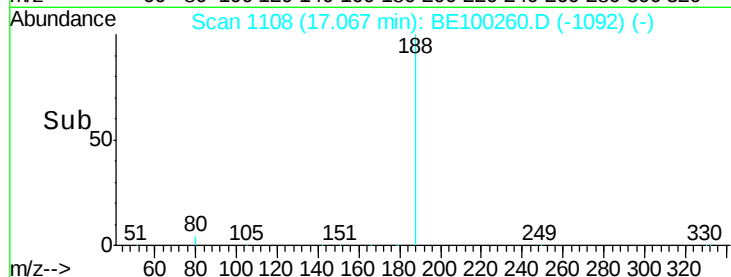
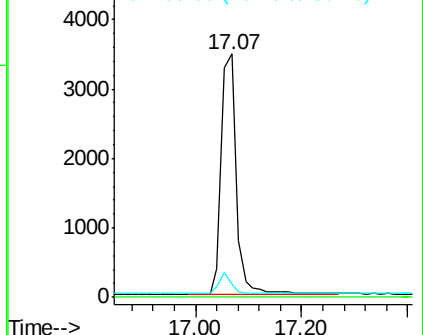
80 5.5 7.6 11.4#



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



#20

4-Bromophenyl-phenylether

Concen: 0.417 ng

RT: 16.25 min Scan# 1047

Delta R.T. -0.01 min

Lab File: BE100260.D

Acq: 1 Jul 2019 11:51

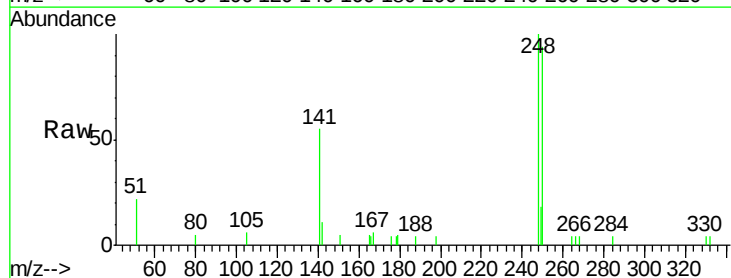
Tgt Ion:248 Resp: 1791

Ion Ratio Lower Upper

248 100

250 94.3 84.2 126.4

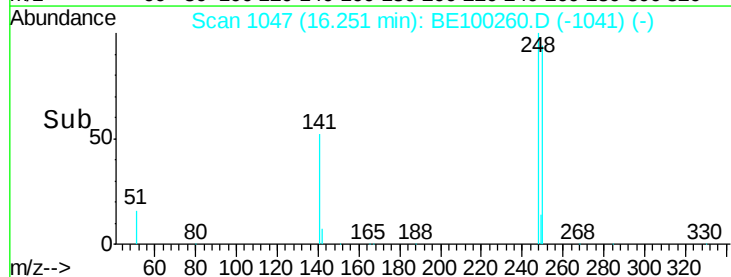
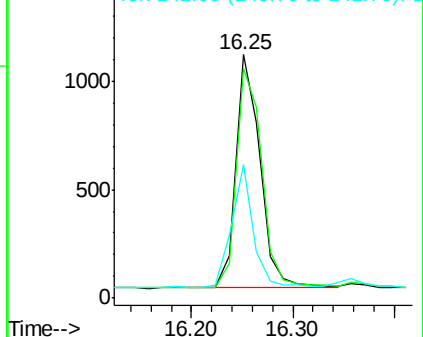
141 54.7 29.3 43.9#



Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E





#21

Hexachlorobenzene

Concen: 0.394 ng

RT: 16.37 min Scan# 1056

Delta R.T. 0.01 min

Lab File: BE100260.D

Acq: 1 Jul 2019 11:51

Instrument :

BNA_E

ClientSampleId :

PB120795BS

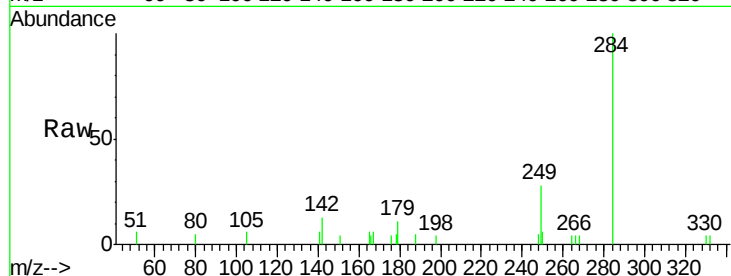
Tot Ion:284 Resp: 1758

Ion Ratio Lower Upper

284 100

142 23.3 18.8 28.2

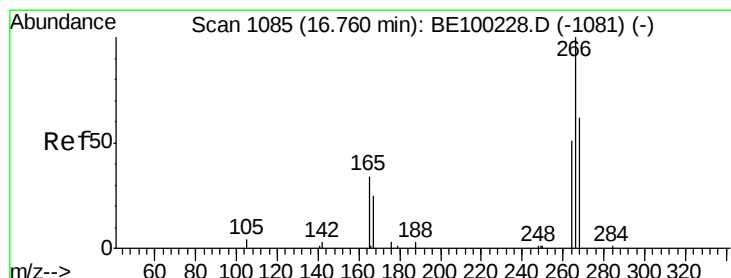
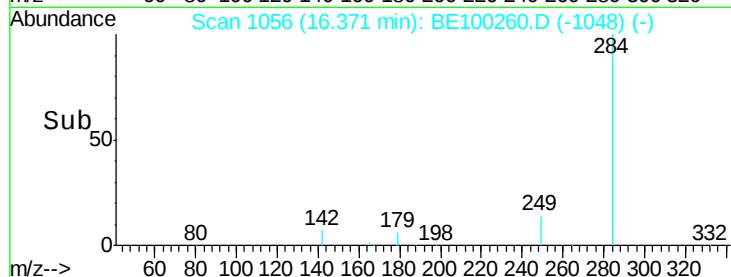
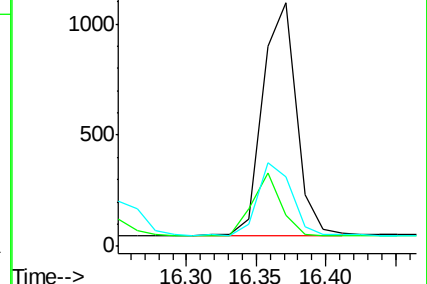
249 31.2 23.7 35.5



Abundance Ion 283.80 (283.50 to 284.50): E

Ion 142.00 (141.70 to 142.70): E

Ion 249.00 (248.70 to 249.70): E



#22

Pentachlorophenol

Concen: 0.639 ng

RT: 16.73 min Scan# 1083

Delta R.T. -0.03 min

Lab File: BE100260.D

Acq: 1 Jul 2019 11:51

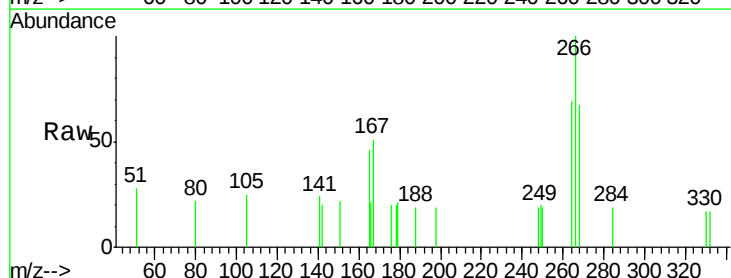
Tgt Ion:266 Resp: 857

Ion Ratio Lower Upper

266 100

264 68.5 56.2 84.2

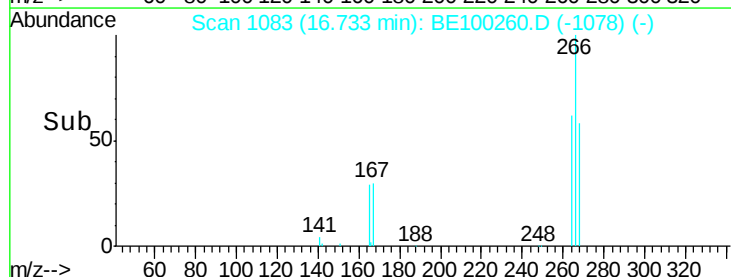
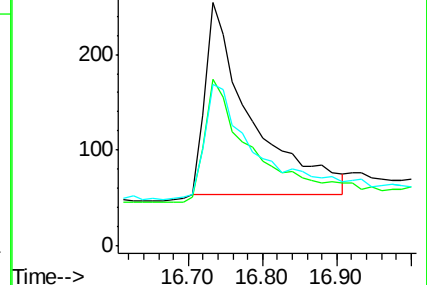
268 66.5 61.8 92.6



Abundance Ion 266.00 (265.70 to 266.70): E

Ion 264.00 (263.70 to 264.70): E

Ion 268.00 (267.70 to 268.70): E





#23

Phenanthrene

Concen: 0.435 ng

RT: 17.11 min Scan# 1111

Delta R.T. -0.00 min

Lab File: BE100260.D

Acq: 1 Jul 2019 11:51

Instrument :

BNA_E

ClientSampleId :

PB120795BS

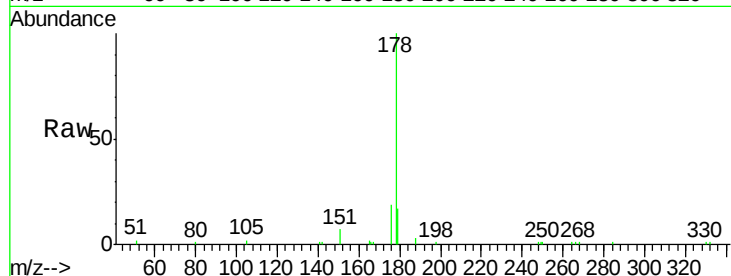
Tot Ion:178 Resp: 7089

Ion Ratio Lower Upper

178 100

176 19.4 15.9 23.9

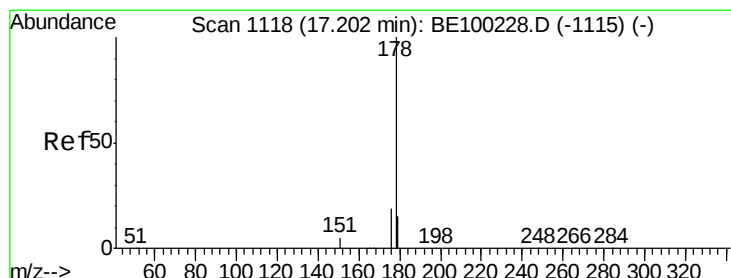
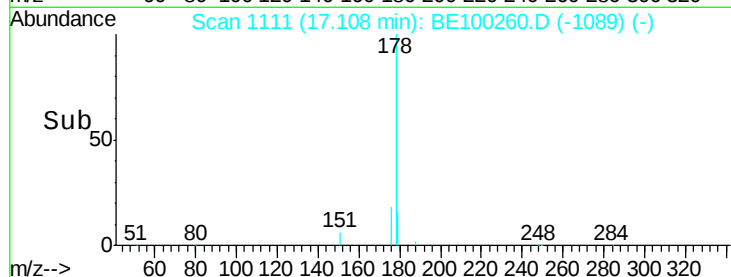
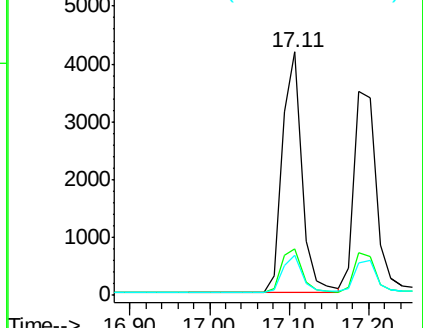
179 15.5 12.2 18.2



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: 0.458 ng

RT: 17.19 min Scan# 1117

Delta R.T. -0.01 min

Lab File: BE100260.D

Acq: 1 Jul 2019 11:51

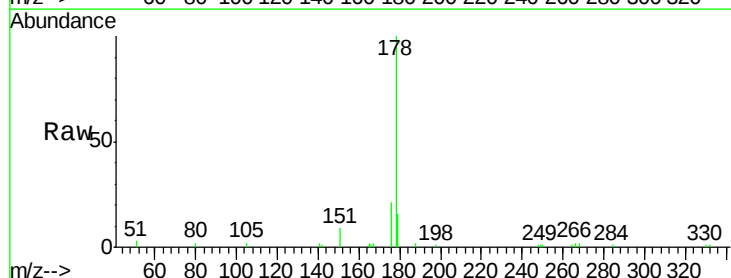
Tgt Ion:178 Resp: 6718

Ion Ratio Lower Upper

178 100

176 19.0 15.3 22.9

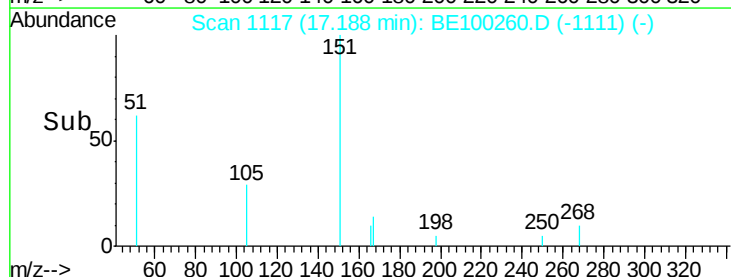
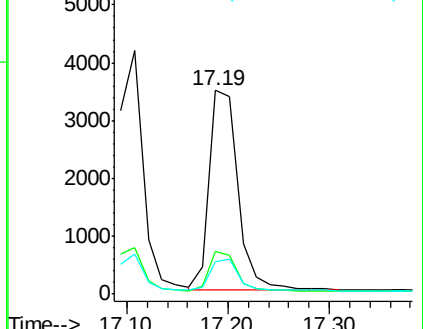
179 15.6 12.2 18.2

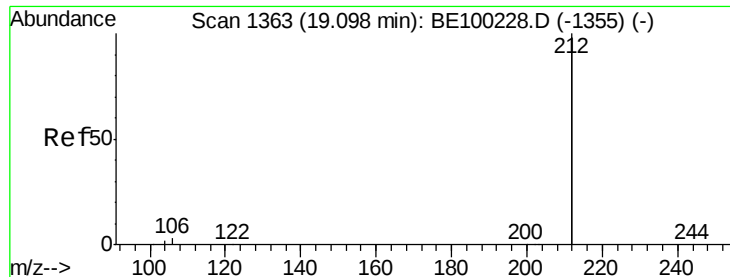


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E

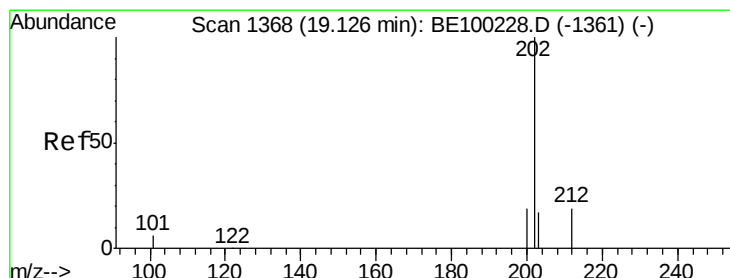
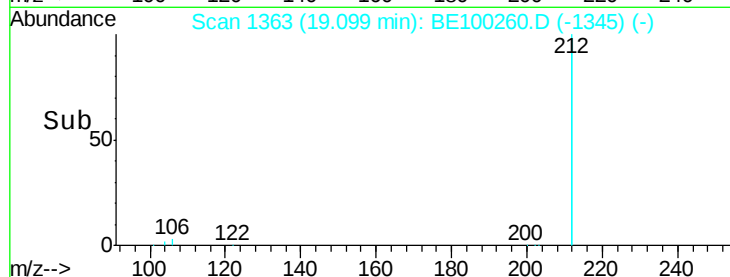
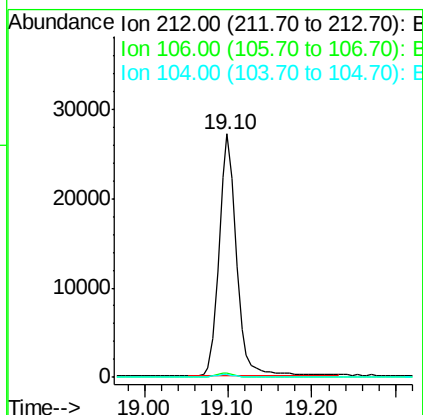
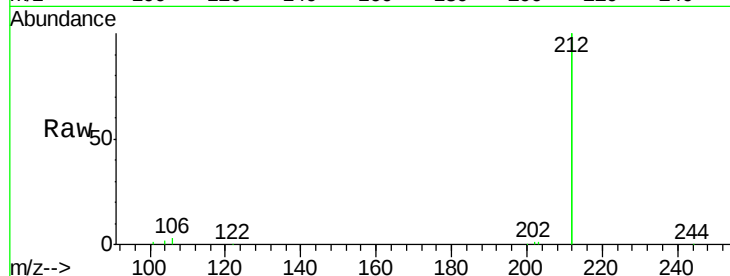




#25
Fluoranthene-d10
Concen: 0.399 ng
RT: 19.10 min Scan# 1363
Delta R.T. 0.00 min
Lab File: BE100260.D
Acq: 1 Jul 2019 11:51

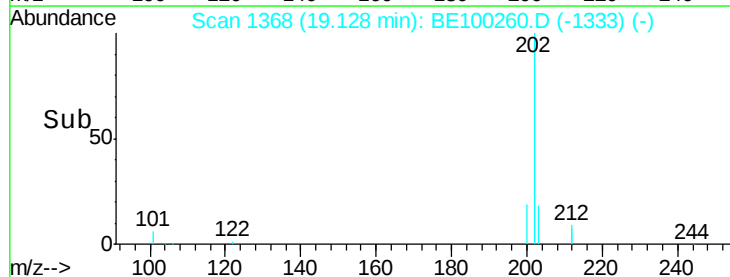
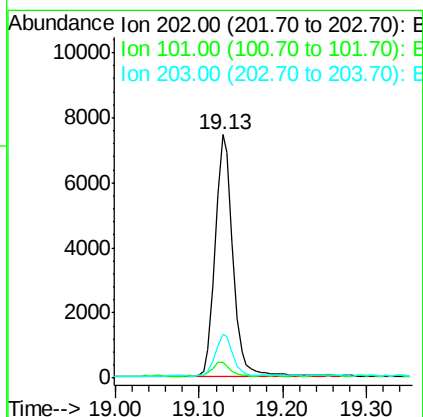
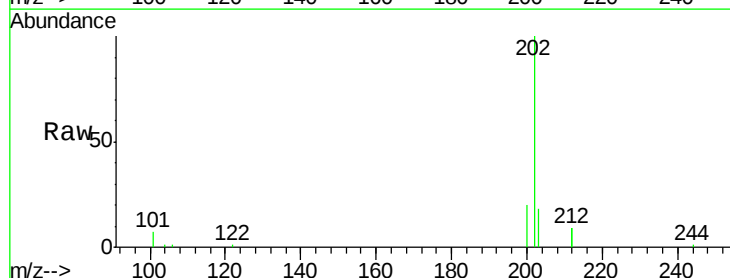
Instrument :
BNA_E
ClientSampleId :
PB120795BS

Tot Ion:212 Resp: 38963
Ion Ratio Lower Upper
212 100
106 1.6 1.3 1.9
104 1.0 0.8 1.2



#26
Fluoranthene
Concen: 0.421 ng
RT: 19.13 min Scan# 1368
Delta R.T. 0.00 min
Lab File: BE100260.D
Acq: 1 Jul 2019 11:51

Tgt Ion:202 Resp: 10940
Ion Ratio Lower Upper
202 100
101 5.8 4.6 7.0
203 17.1 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: BE100260.D

Acq: 1 Jul 2019 11:51

Instrument :

BNA_E

ClientSampleId :

PB120795BS

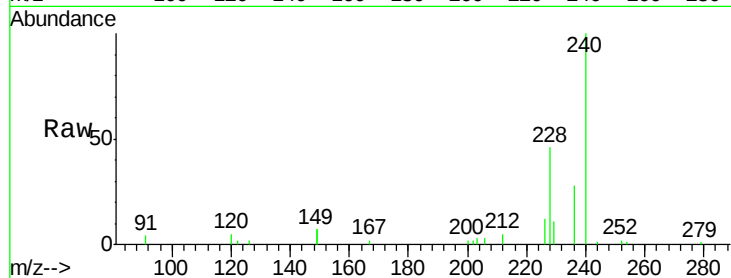
Tot Ion:240 Resp: 9930

Ion Ratio Lower Upper

240 100

120 5.5 3.3 4.9#

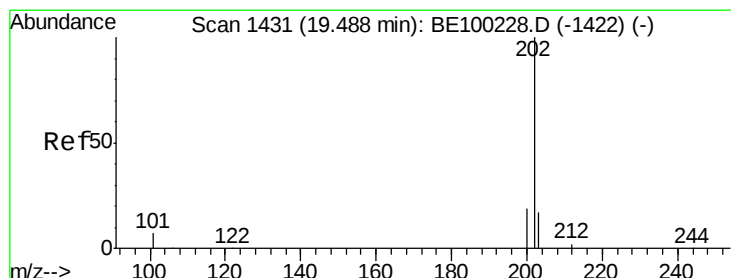
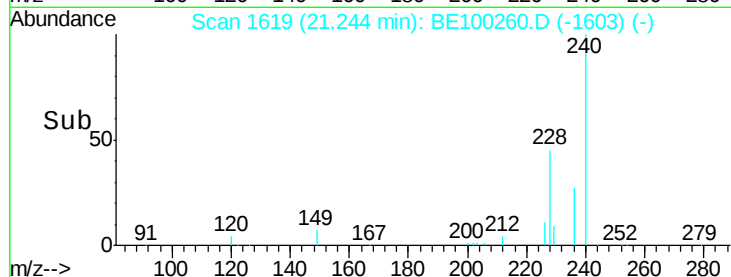
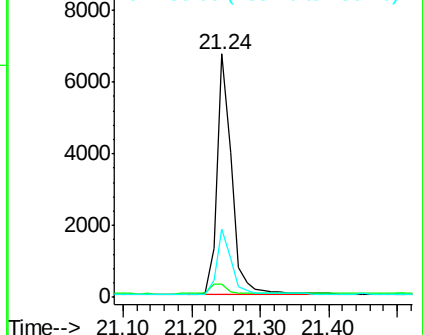
236 28.0 22.6 34.0



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

Pyrene

Concen: 0.431 ng

RT: 19.49 min Scan# 1431

Delta R.T. 0.00 min

Lab File: BE100260.D

Acq: 1 Jul 2019 11:51

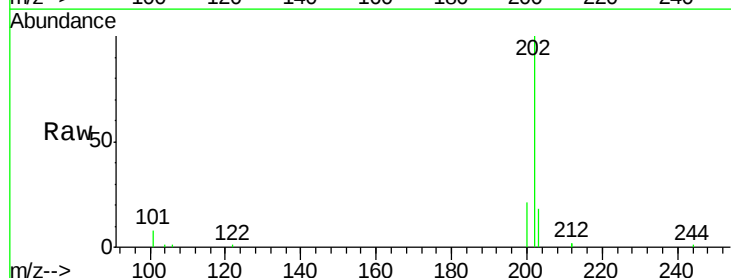
Tgt Ion:202 Resp: 11320

Ion Ratio Lower Upper

202 100

200 19.7 15.6 23.4

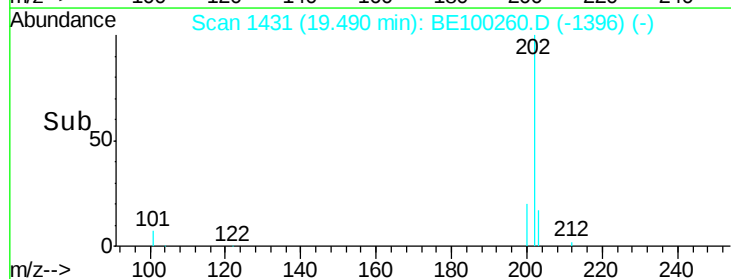
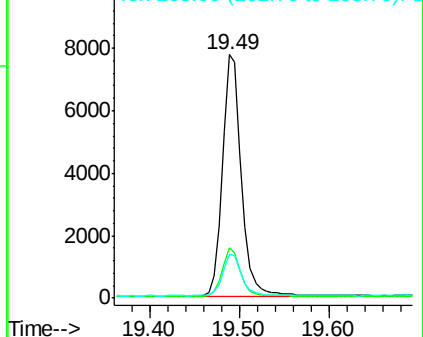
203 17.5 14.0 21.0



Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#29

Terphenyl-d14

Concen: 0.411 ng

RT: 19.70 min Scan# 1467

Delta R.T. -0.00 min

Lab File: BE100260.D

Acq: 1 Jul 2019 11:51

Instrument :

BNA_E

ClientSampleId :

PB120795BS

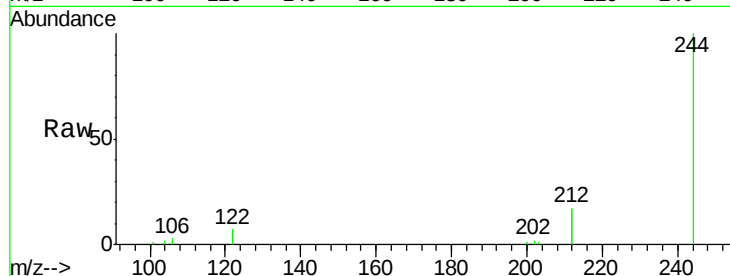
Tot Ion:244 Resp: 8452

Ion Ratio Lower Upper

244 100

212 33.5 27.3 40.9

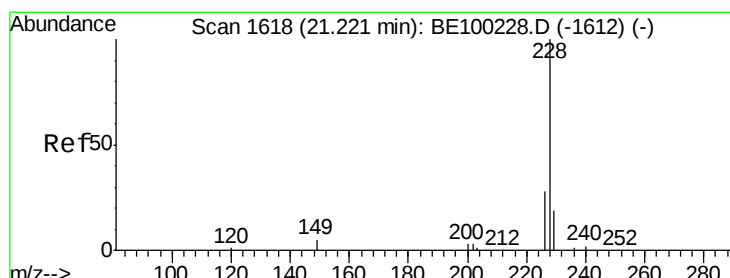
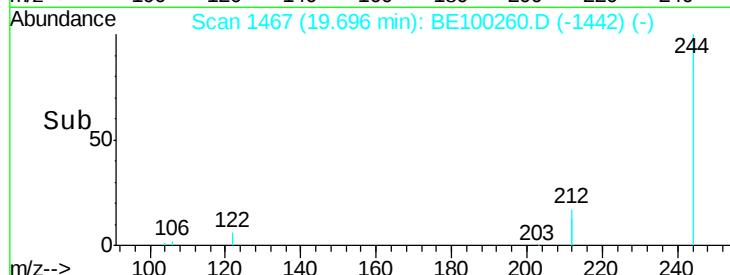
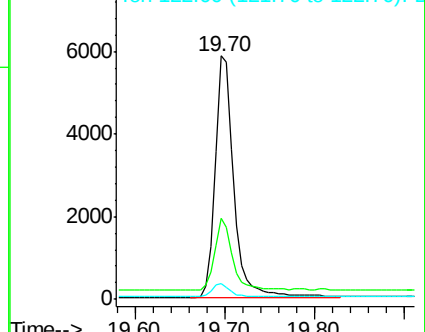
122 6.6 4.7 7.1



Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E



#30

Benzo(a)anthracene

Concen: 0.400 ng

RT: 21.23 min Scan# 1618

Delta R.T. 0.01 min

Lab File: BE100260.D

Acq: 1 Jul 2019 11:51

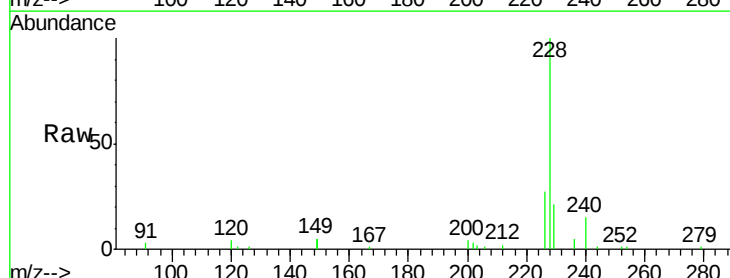
Tgt Ion:228 Resp: 13048

Ion Ratio Lower Upper

228 100

226 27.0 23.2 34.8

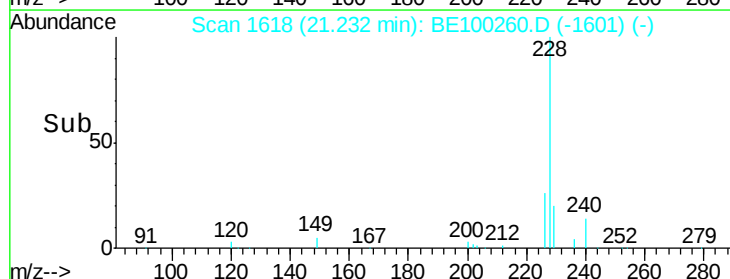
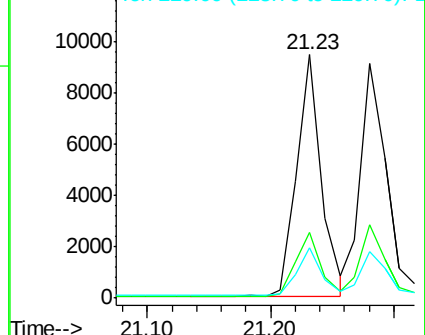
229 20.6 15.7 23.5



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: 0.401 ng

RT: 21.28 min Scan# 1622

Delta R.T. -0.00 min

Lab File: BE100260.D

Acq: 1 Jul 2019 11:51

Instrument :

BNA_E

ClientSampleId :

PB120795BS

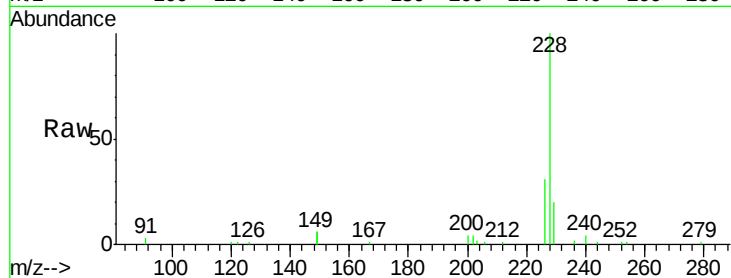
Tot Ion:228 Resp: 13133

Ion Ratio Lower Upper

228 100

226 31.3 23.9 35.9

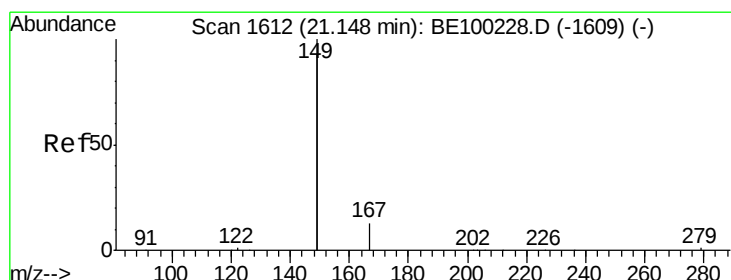
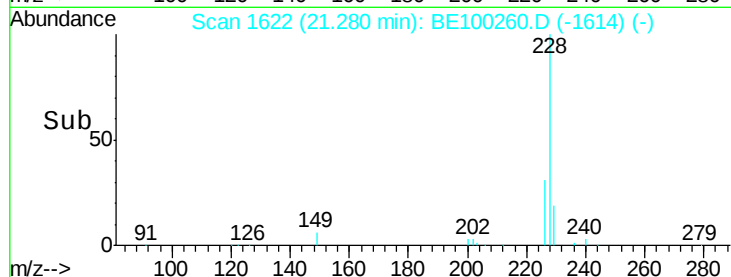
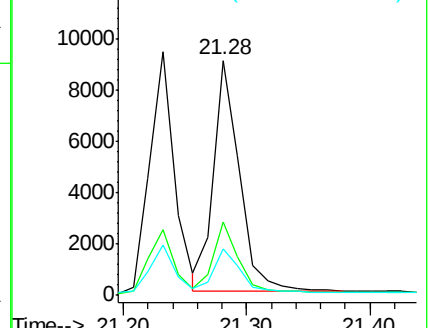
229 19.7 16.5 24.7



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: 0.368 ng

RT: 21.15 min Scan# 1611

Delta R.T. 0.00 min

Lab File: BE100260.D

Acq: 1 Jul 2019 11:51

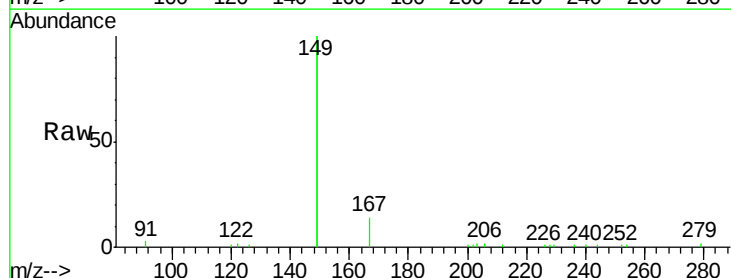
Tgt Ion:149 Resp: 19617

Ion Ratio Lower Upper

149 100

167 7.6 5.8 8.8

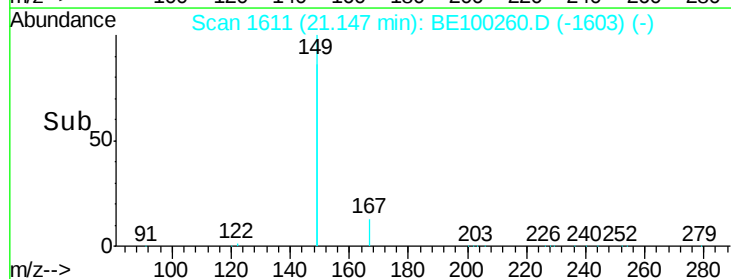
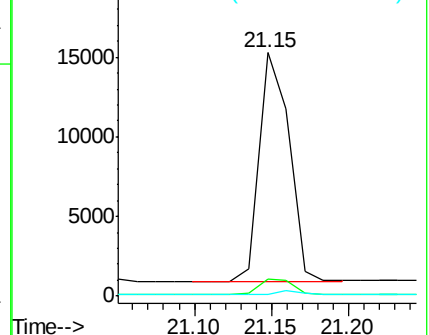
279 1.4 1.1 1.7



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: 0.347 ng

RT: 26.23 min Scan# 2858

Delta R.T. 0.02 min

Lab File: BE100260.D

Acq: 1 Jul 2019 11:51

Instrument :

BNA_E

ClientSampleId :

PB120795BS

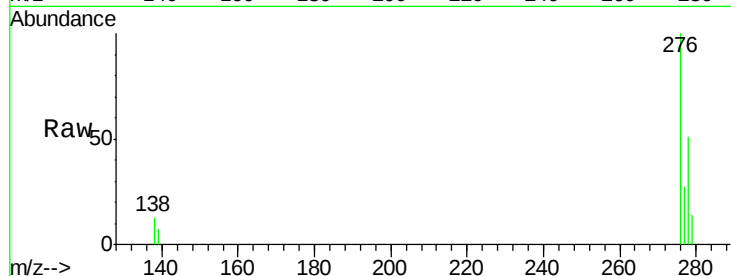
Tot Ion:276 Resp: 15026

Ion Ratio Lower Upper

276 100

138 11.3 9.4 14.0

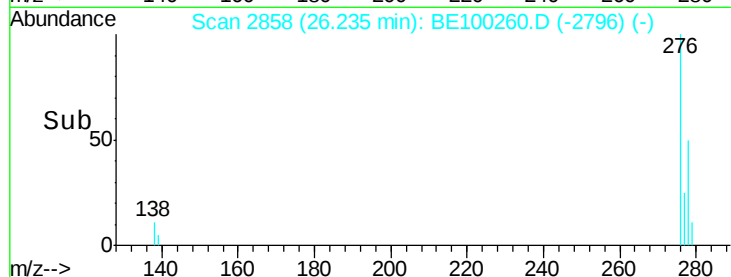
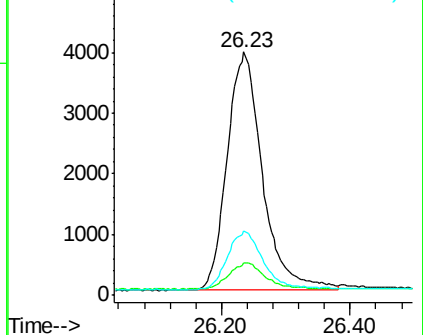
277 24.8 19.2 28.8



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

Perylene-d12

Concen: 0.400 ng

RT: 23.67 min Scan# 2144

Delta R.T. 0.01 min

Lab File: BE100260.D

Acq: 1 Jul 2019 11:51

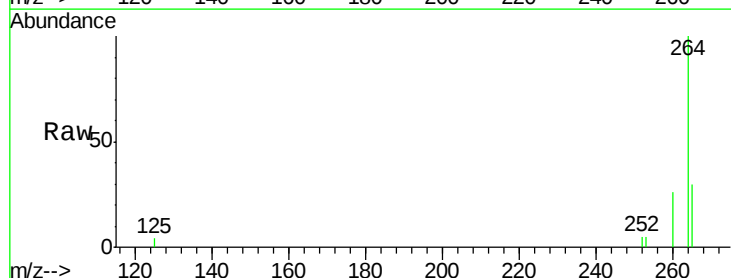
Tgt Ion:264 Resp: 10564

Ion Ratio Lower Upper

264 100

260 25.9 20.8 31.2

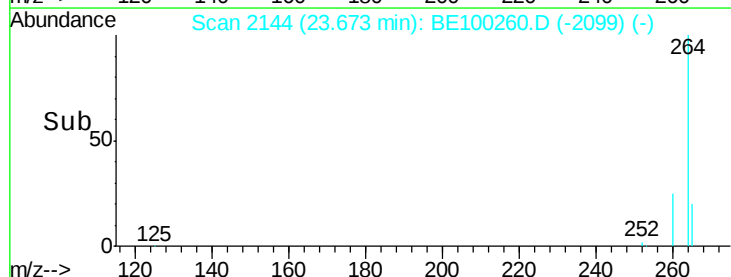
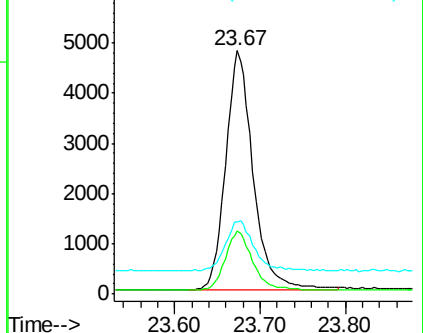
265 29.5 21.8 32.6

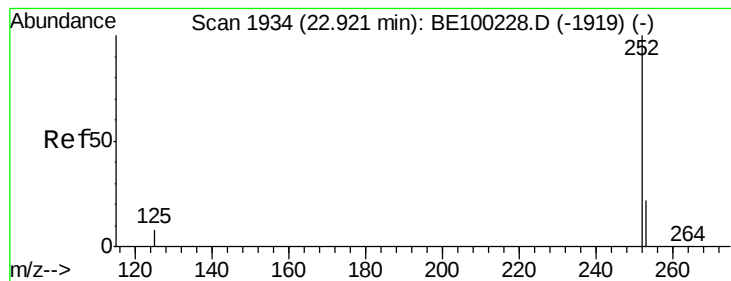


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E





#35

Benzo(b)fluoranthene

Concen: 0.425 ng

RT: 22.93 min Scan# 1934

Delta R.T. 0.00 min

Lab File: BE100260.D

Acq: 1 Jul 2019 11:51

Instrument :

BNA_E

ClientSampleId :

PB120795BS

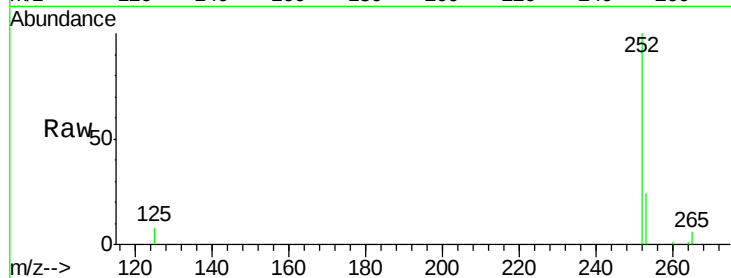
Tot Ion:252 Resp: 12186

Ion Ratio Lower Upper

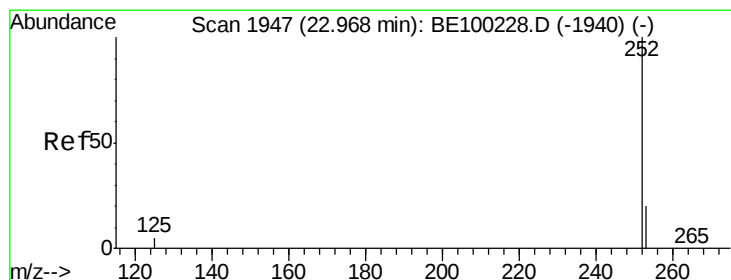
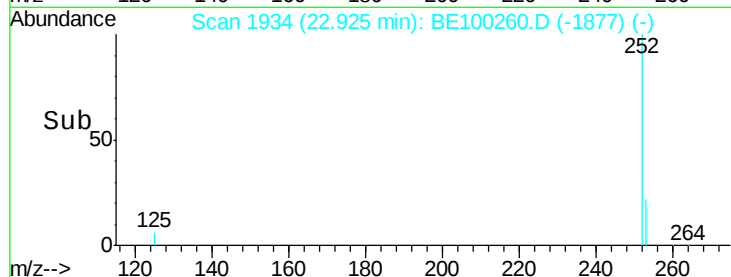
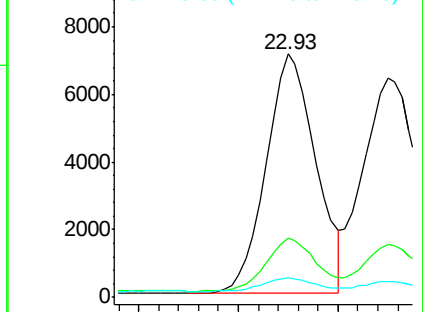
252 100

253 24.4 19.2 28.8

125 8.3 7.4 11.0



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



#36

Benzo(k)fluoranthene

Concen: 0.393 ng

RT: 22.97 min Scan# 1948

Delta R.T. 0.01 min

Lab File: BE100260.D

Acq: 1 Jul 2019 11:51

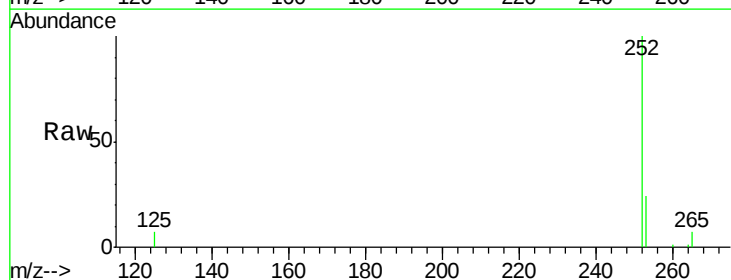
Tgt Ion:252 Resp: 12571

Ion Ratio Lower Upper

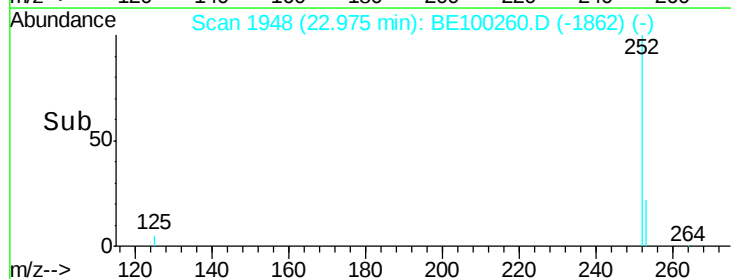
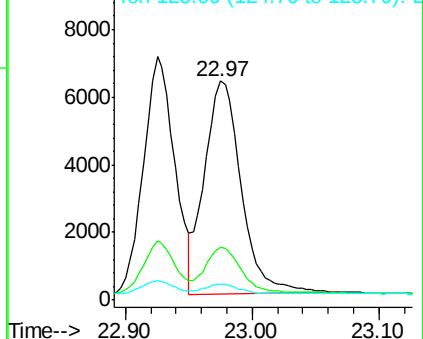
252 100

253 24.3 17.9 26.9

125 7.4 5.0 7.4



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





#37

Benzo(a)pyrene

Concen: 0.415 ng

RT: 23.56 min Scan# 2113

Delta R.T. 0.01 min

Lab File: BE100260.D

Acq: 1 Jul 2019 11:51

Instrument :

BNA_E

ClientSampleId :

PB120795BS

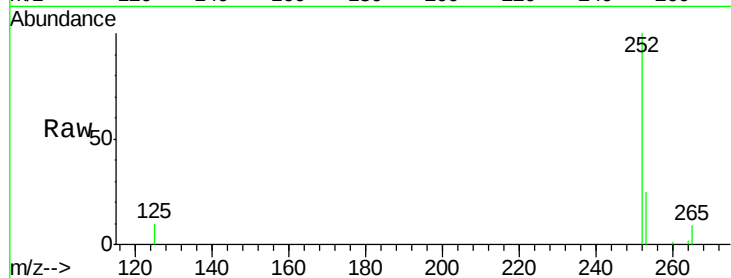
Tot Ion:252 Resp: 11906

Ion Ratio Lower Upper

252 100

253 24.8 19.6 29.4

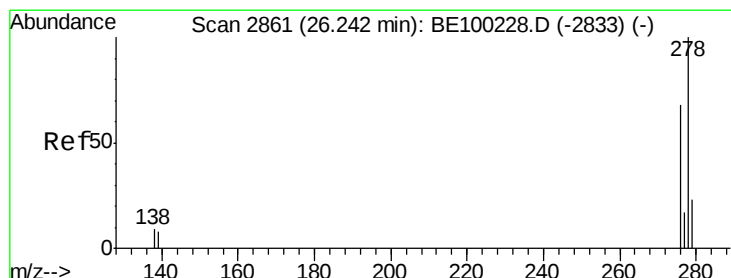
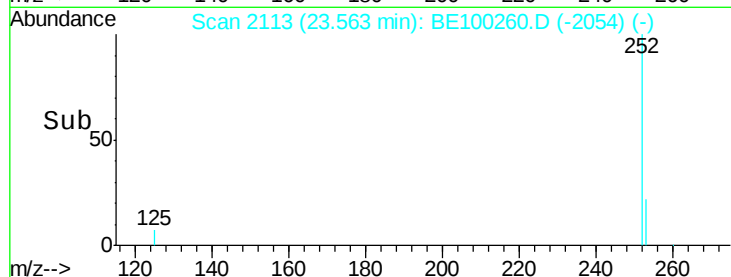
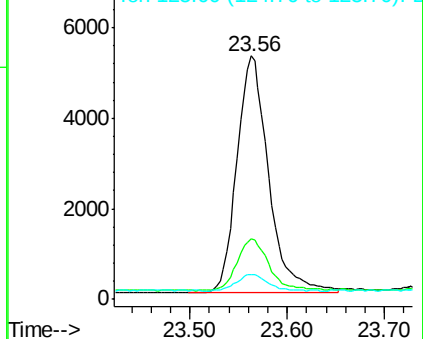
125 10.2 9.0 13.6



Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#38

Dibenzo(a,h)anthracene

Concen: 0.405 ng

RT: 26.26 min Scan# 2864

Delta R.T. 0.01 min

Lab File: BE100260.D

Acq: 1 Jul 2019 11:51

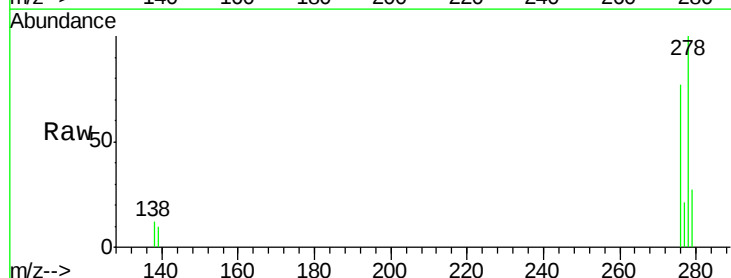
Tgt Ion:278 Resp: 12137

Ion Ratio Lower Upper

278 100

139 10.5 8.2 12.2

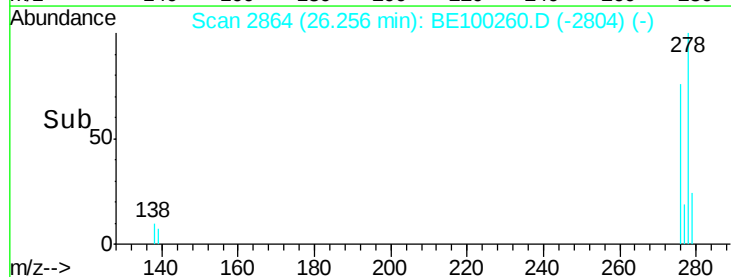
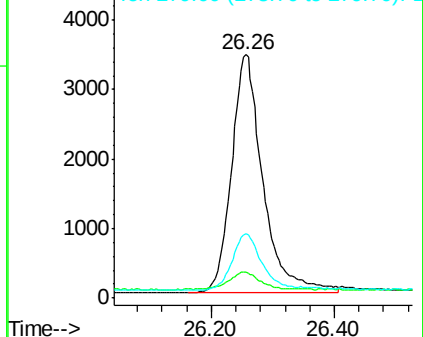
279 26.6 20.3 30.5



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(a,h,i)perylene

Concen: 0.412 ng

RT: 27.02 min Scan# 3078

Delta R.T. 0.01 min

Lab File: BE100260.D

Acq: 1 Jul 2019 11:51

Instrument :

BNA_E

ClientSampleId :

PB120795BS

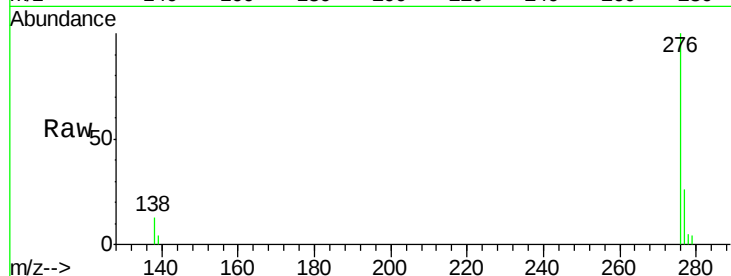
Tot Ion: 276 Resp: 12689

Ion Ratio Lower Upper

276 100

277 25.5 20.2 30.2

138 12.6 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

