

Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE092319\
 Data File : BE100538.D
 Acq On : 23 Sep 2019 13:45
 Operator : HP/JU
 Sample : PB123105BS
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 PB123105BS

Quant Time: Sep 23 14:22:54 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA E\METHODS\8270-SIM-BE092019.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Sep 20 18:26:17 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.86	152	5938	0.40	ng	0.00
7) Naphthalene-d8	10.65	136	27553	0.40	ng	0.00
13) Acenaphthene-d10	14.48	164	15400	0.40	ng	0.00
19) Phenanthrene-d10	17.20	188	33231	0.40	ng	0.00
27) Chrysene-d12	21.36	240	36060	0.40	ng	0.00
34) Perylene-d12	23.83	264	39853	0.40	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Fluorophenol	5.43	112	5197	0.37	ng	0.00
5) Phenol-d6	7.02	99	7059	0.37	ng	0.00
8) Nitrobenzene-d5	9.00	82	5844	0.37	ng	0.00
11) 2-Methylnaphthalene-d10	12.24	152	15485	0.38	ng	0.00
14) 2,4,6-Tribromophenol	15.96	330	880	0.35	ng	0.00
15) 2-Fluorobiphenyl	13.12	172	21869	0.40	ng	0.00
25) Fluoranthene-d10	19.23	212	147599	0.37	ng	0.00
29) Terphenyl-d14	19.82	244	34489	0.40	ng	0.00

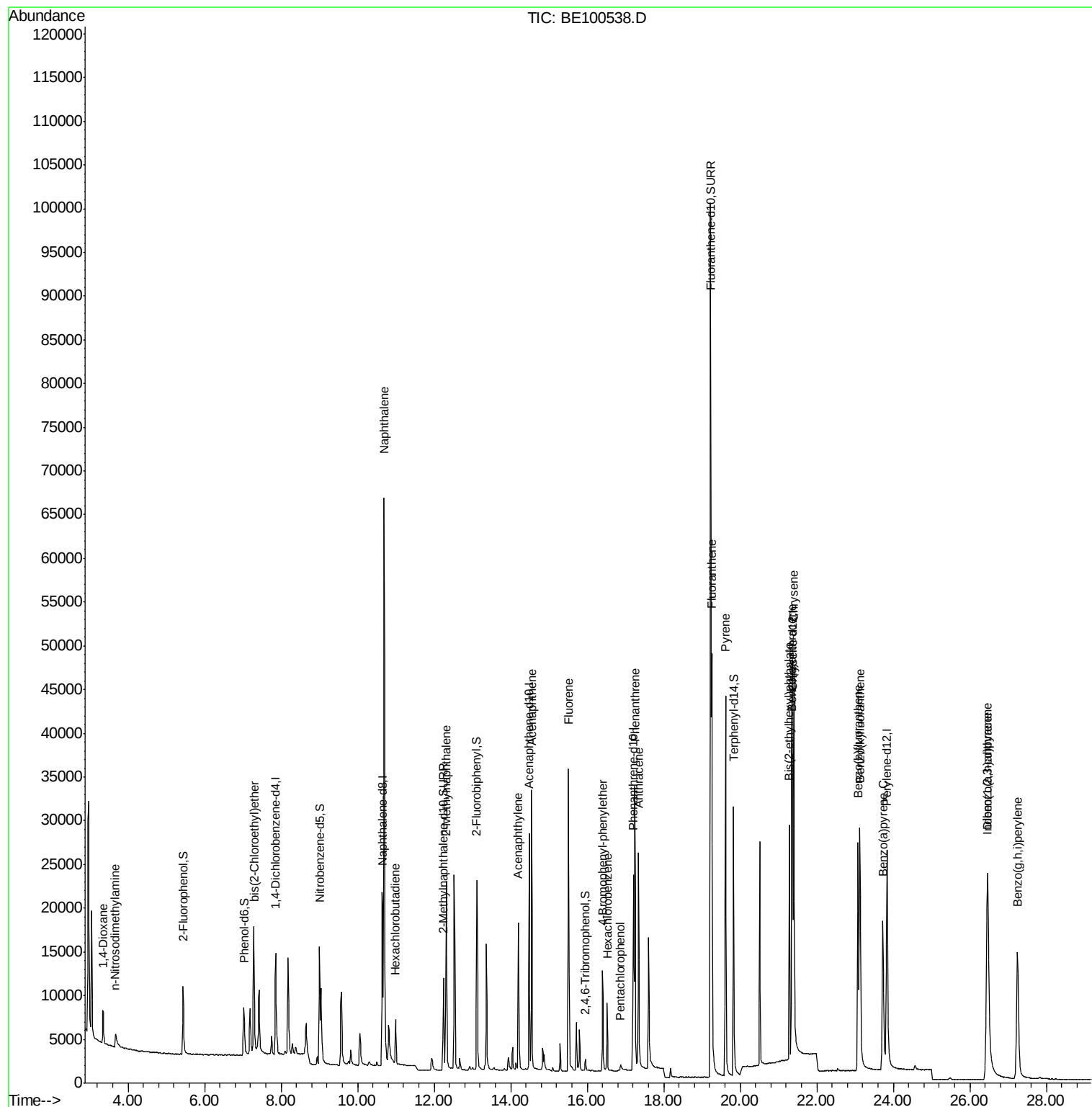
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) 1,4-Dioxane	3.35	88	3492	0.408	ng	98
3) n-Nitrosodimethylamine	3.67	42	1770	0.352	ng	# 86
6) bis(2-Chloroethyl)ether	7.29	93	7368	0.383	ng	96
9) Naphthalene	10.69	128	111343	0.390	ng	100
10) Hexachlorobutadiene	10.99	225	3602	0.394	ng	98
12) 2-Methylnaphthalene	12.31	142	17528	0.386	ng	99
16) Acenaphthylene	14.20	152	23201	0.366	ng	100
17) Acenaphthene	14.54	154	16545	0.386	ng	100
18) Fluorene	15.51	166	20505	0.383	ng	99
20) 4-Bromophenyl-phenylether	16.40	248	6104	0.391	ng	97
21) Hexachlorobenzene	16.52	284	5311	0.390	ng	99
22) Pentachlorophenol	16.87	266	726	0.399	ng	96
23) Phenanthrene	17.24	178	36304	0.392	ng	99
24) Anthracene	17.34	178	27971	0.359	ng	99
26) Fluoranthene	19.25	202	42089	0.377	ng	100
28) Pyrene	19.62	202	42212	0.407	ng	100
30) Benzo(a)anthracene	21.34	228	35866	0.372	ng	100
31) Chrysene	21.40	228	42601	0.388	ng	100
32) Bis(2-ethylhexyl)phthalate	21.28	149	34720	0.334	ng	100
33) Indeno(1,2,3-cd)pyrene	26.45	276	45468	0.373	ng	100
35) Benzo(b)fluoranthene	23.08	252	38662	0.359	ng	100
36) Benzo(k)fluoranthene	23.13	252	46251	0.371	ng	99
37) Benzo(a)pyrene	23.73	252	35530	0.353	ng	99
38) Dibenzo(a,h)anthracene	26.47	278	37556	0.358	ng	99
39) Benzo(g,h,i)perylene	27.24	276	40126	0.367	ng	99

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

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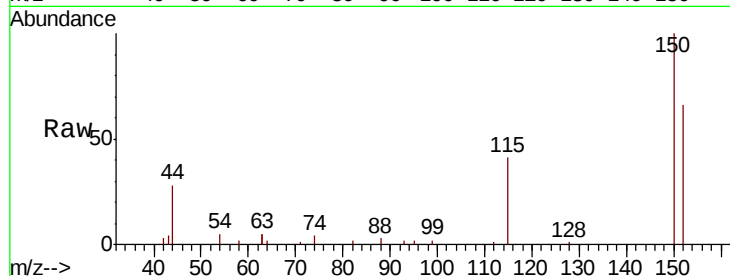


#1

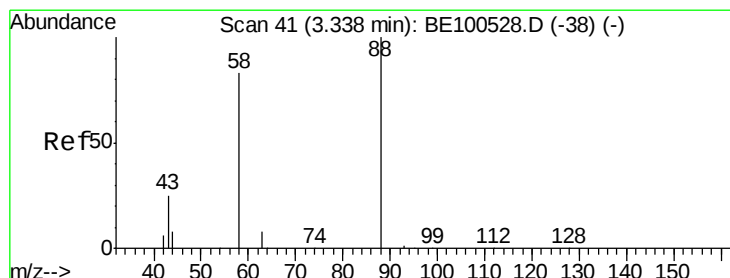
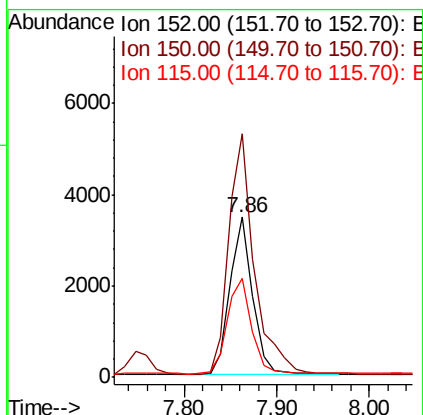
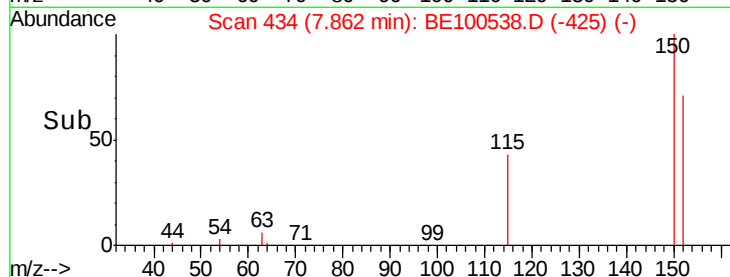
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.86 min Scan# 434
Delta R.T. -0.00 min
Lab File: BE100538.D
Acq: 23 Sep 2019 13:45

Instrument :
BNA_E
ClientSampleId :
PB123105BS

Tot Ion:152 Resp: 5938
Ion Ratio Lower Upper
152 100
150 152.4 121.6 182.4
115 62.0 48.2 72.4



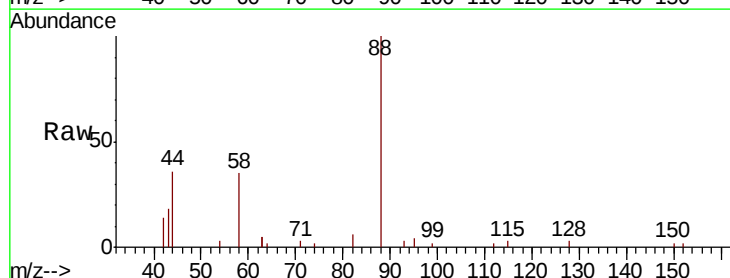
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



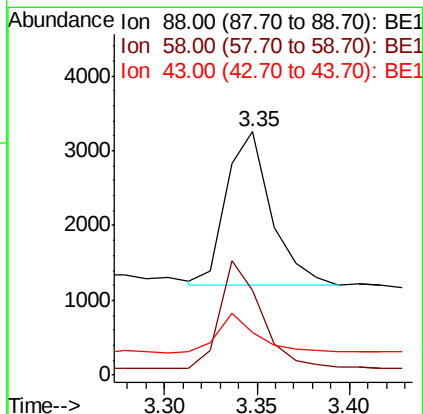
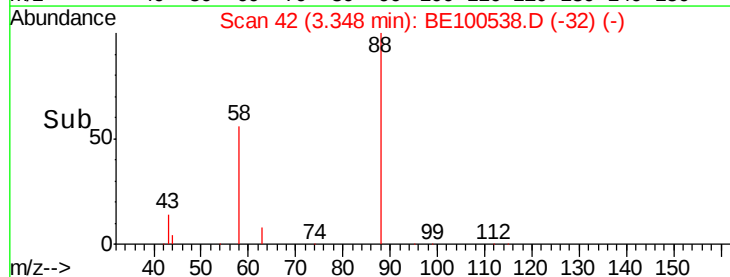
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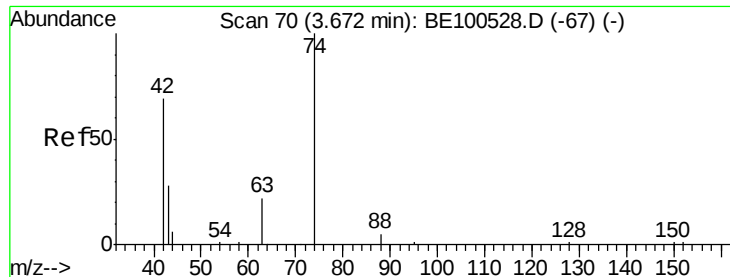
1,4-Dioxane
Concen: 0.408 ng
RT: 3.35 min Scan# 42
Delta R.T. 0.01 min
Lab File: BE100538.D
Acq: 23 Sep 2019 13:45

Tgt Ion: 88 Resp: 3492
Ion Ratio Lower Upper
88 100
58 65.3 53.3 79.9
43 21.8 16.9 25.3



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: 0.352 ng

RT: 3.67 min Scan# 70

Delta R.T. -0.00 min

Lab File: BE100538.D

Acq: 23 Sep 2019 13:45

Instrument :

BNA_E

ClientSampleId :

PB123105BS

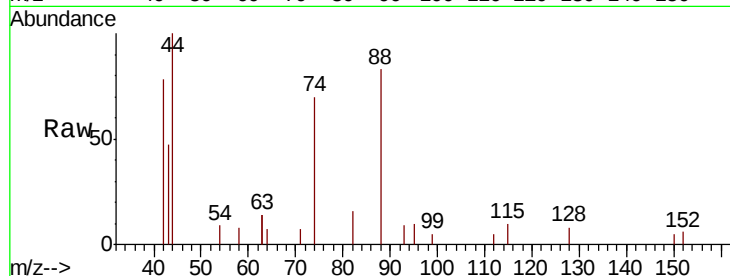
Tot Ion: 42 Resp: 1770

Ion Ratio Lower Upper

42 100

74 148.1 133.8 200.6

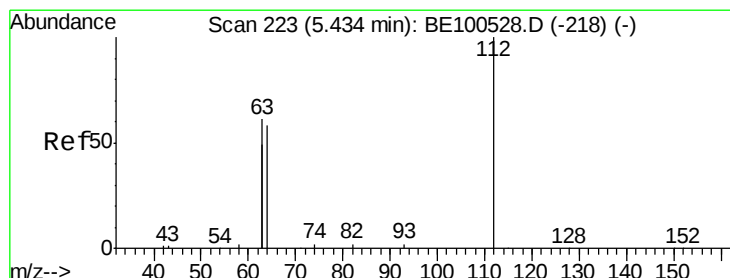
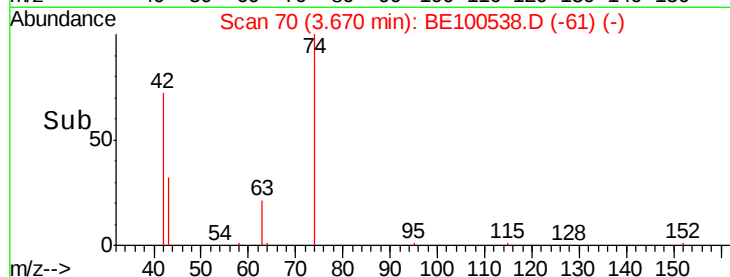
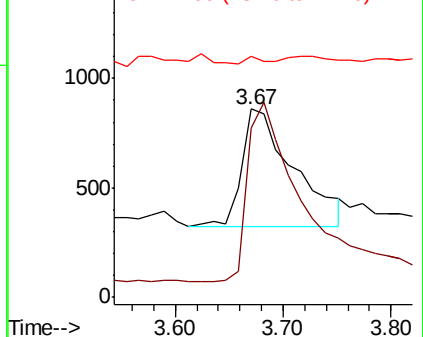
44 1.6 6.4 9.6#



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: 0.374 ng

RT: 5.43 min Scan# 223

Delta R.T. -0.00 min

Lab File: BE100538.D

Acq: 23 Sep 2019 13:45

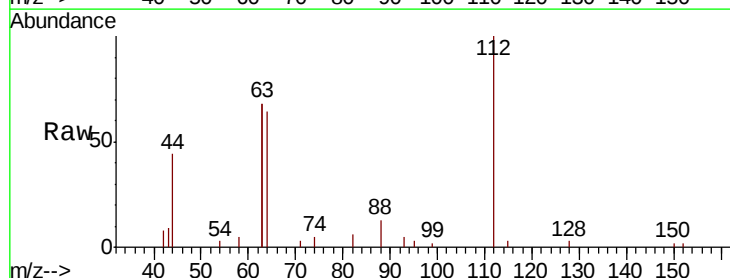
Tgt Ion: 112 Resp: 5197

Ion Ratio Lower Upper

112 100

64 55.1 44.1 66.1

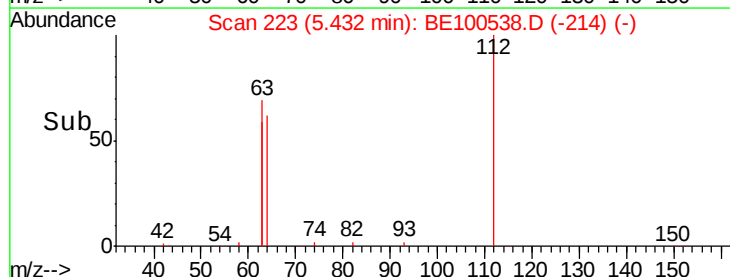
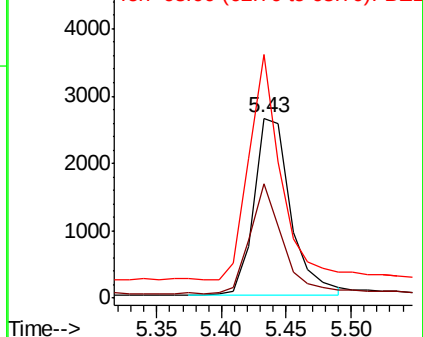
63 109.8 86.5 129.7

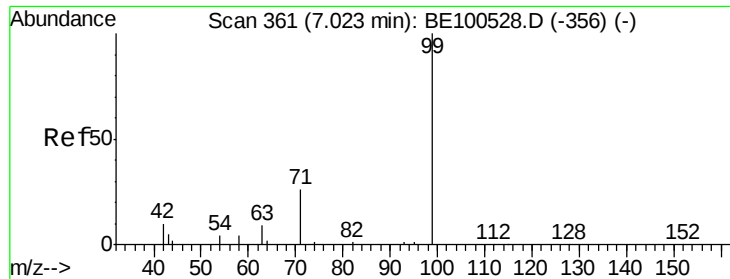


Abundance Ion 112.00 (111.70 to 112.70): BE1

Ion 64.00 (63.70 to 64.70): BE1

Ion 63.00 (62.70 to 63.70): BE1





#5

Phenol-d6

Concen: 0.371 ng

RT: 7.02 min Scan# 361

Delta R.T. -0.00 min

Lab File: BE100538.D

Acq: 23 Sep 2019 13:45

Instrument :

BNA_E

ClientSampleId :

PB123105BS

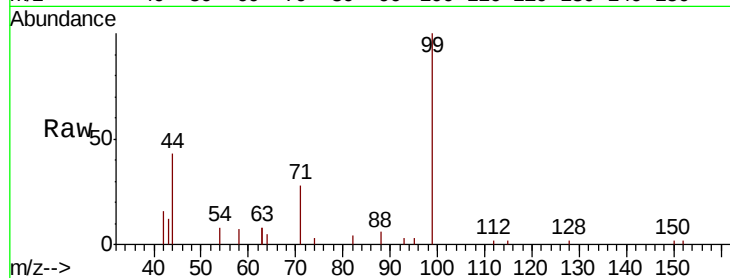
Tot Ion: 99 Resp: 7059

Ion Ratio Lower Upper

99 100

42 15.6 13.0 19.6

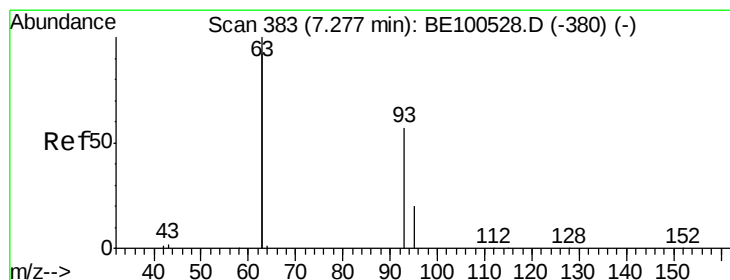
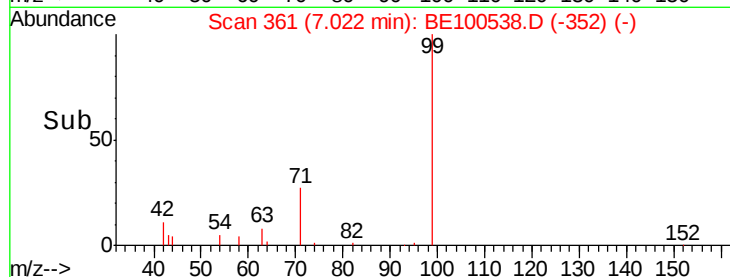
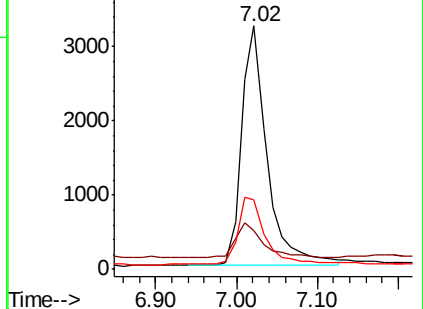
71 29.4 23.4 35.0



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: 0.383 ng

RT: 7.29 min Scan# 384

Delta R.T. 0.01 min

Lab File: BE100538.D

Acq: 23 Sep 2019 13:45

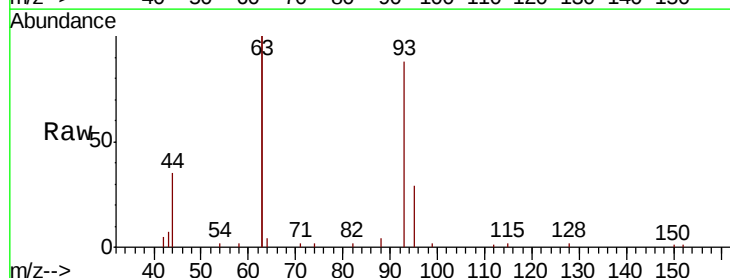
Tgt Ion: 93 Resp: 7368

Ion Ratio Lower Upper

93 100

63 273.7 213.4 320.0

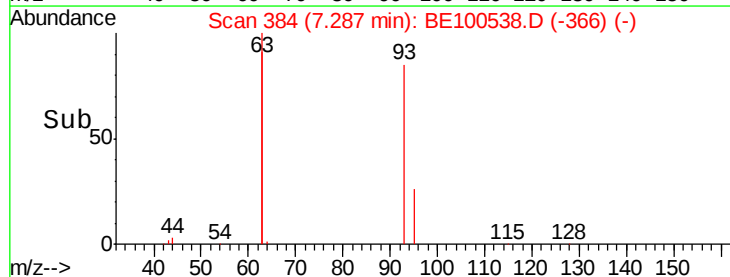
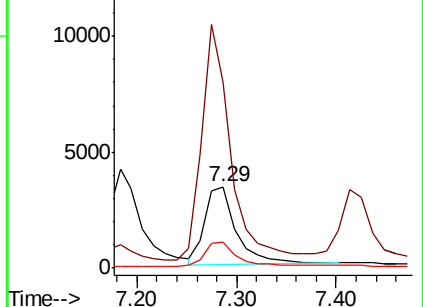
95 32.6 23.7 35.5

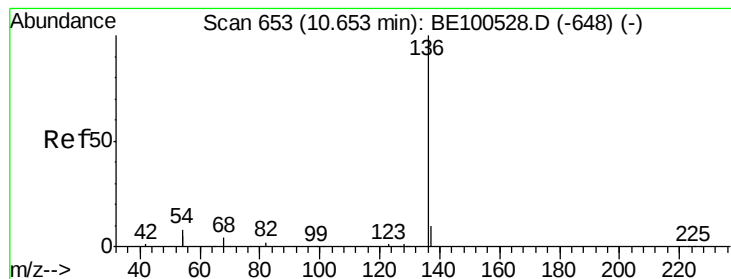


Abundance Ion 93.00 (92.70 to 93.70): BE1

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: 10.65 min Scan# 653

Delta R.T. -0.00 min

Lab File: BE100538.D

Acq: 23 Sep 2019 13:45

Instrument :

BNA_E

ClientSampleId :

PB123105BS

Tot Ion:136 Resp: 27553

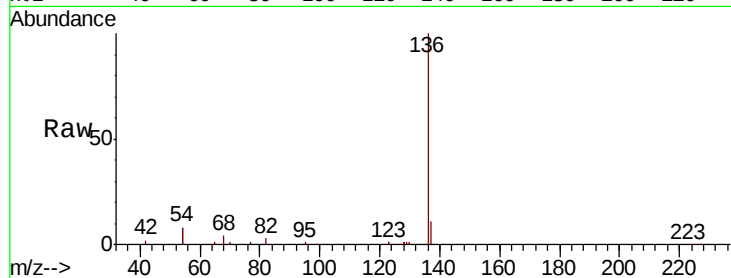
Ion Ratio Lower Upper

136 100

137 11.4 8.6 13.0

54 15.9 12.4 18.6

68 4.0 3.3 4.9

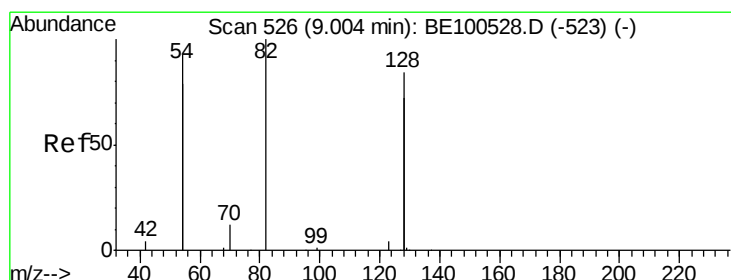
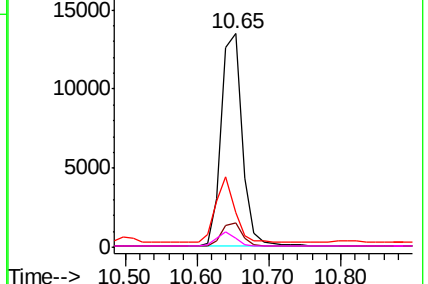
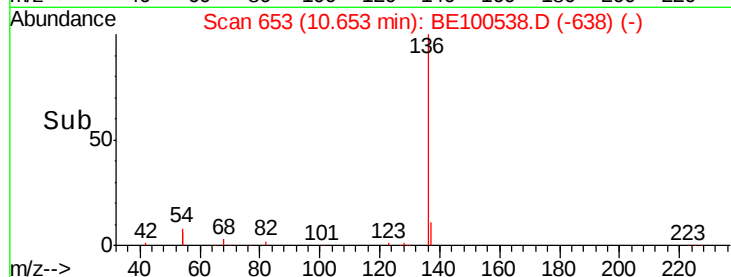


Abundance Ion 136.00 (135.70 to 136.70): E

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: 0.368 ng

RT: 9.00 min Scan# 526

Delta R.T. -0.00 min

Lab File: BE100538.D

Acq: 23 Sep 2019 13:45

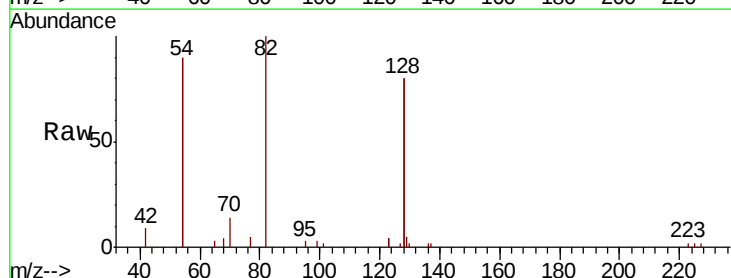
Tgt Ion: 82 Resp: 5844

Ion Ratio Lower Upper

82 100

128 159.9 129.4 194.2

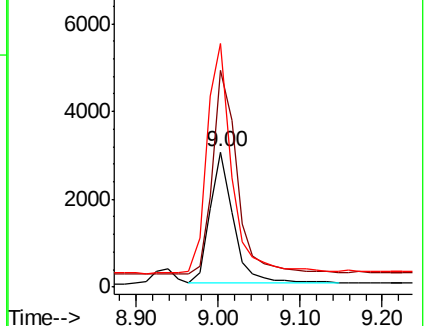
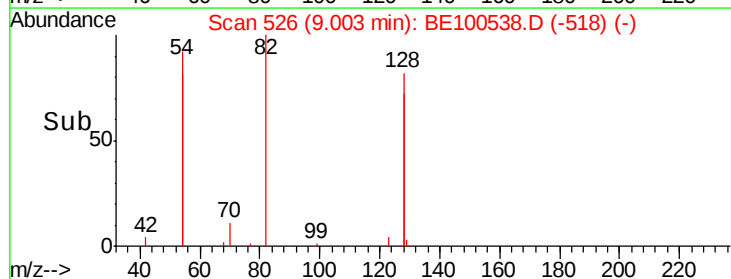
54 179.9 143.3 214.9

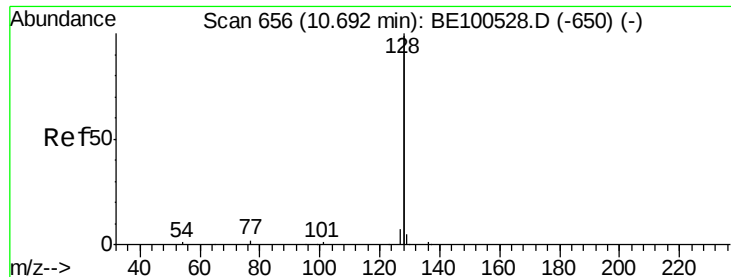


Abundance Ion 82.00 (81.70 to 82.70): BE1

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BE1





#9

Naphthalene

Concen: 0.390 ng

RT: 10.69 min Scan# 656

Delta R.T. -0.00 min

Lab File: BE100538.D

Acq: 23 Sep 2019 13:45

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BNA_E

ClientSampleId :

PB123105BS

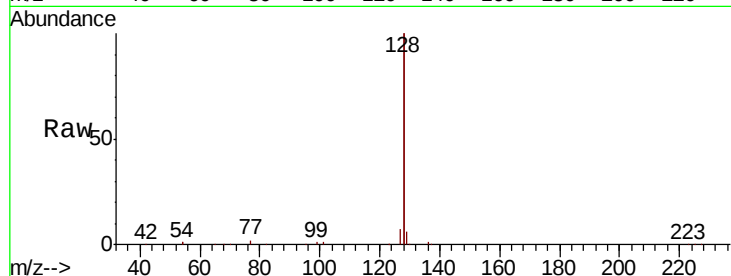
Tot Ion:128 Resp: 111343

Ion Ratio Lower Upper

128 100

129 2.8 2.2 3.4

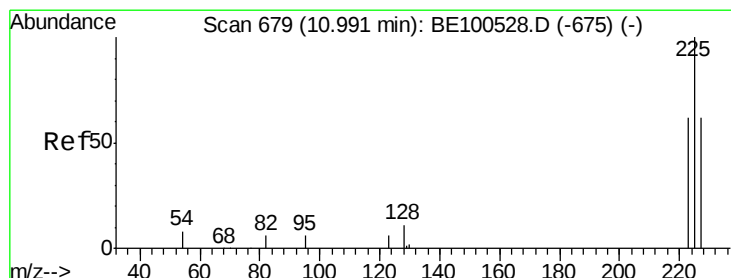
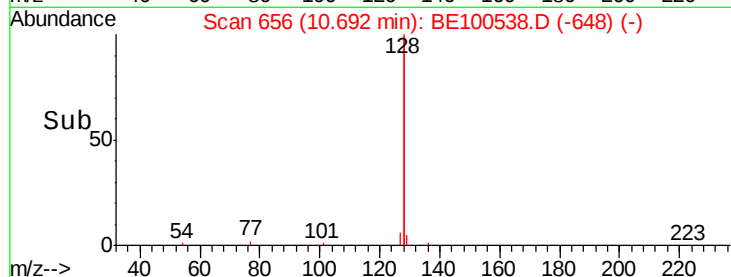
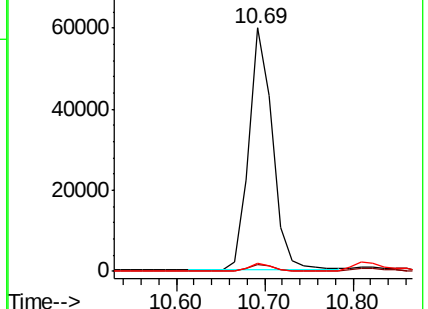
127 3.3 2.7 4.1



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: 0.394 ng

RT: 10.99 min Scan# 679

Delta R.T. -0.00 min

Lab File: BE100538.D

Acq: 23 Sep 2019 13:45

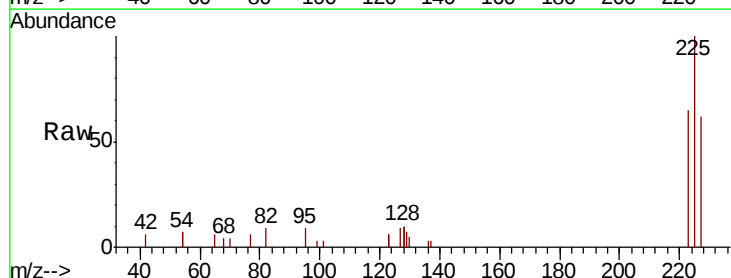
Tgt Ion:225 Resp: 3602

Ion Ratio Lower Upper

225 100

223 63.2 49.7 74.5

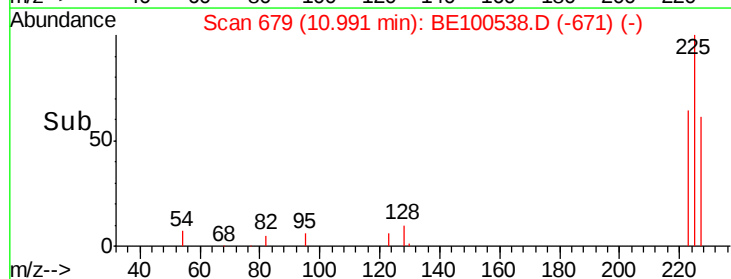
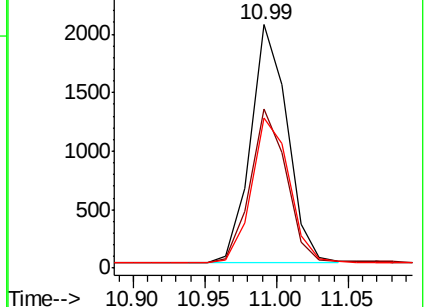
227 62.7 51.4 77.2

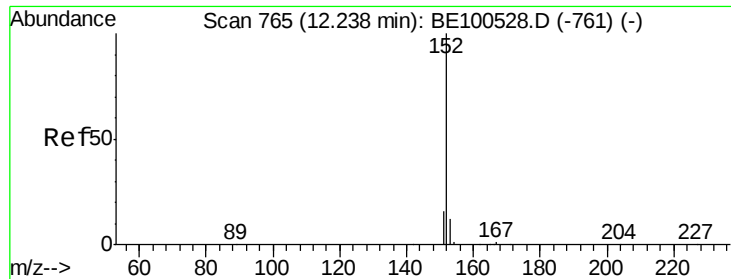


Abundance Ion 225.00 (224.70 to 225.70): E

Ion 223.00 (222.70 to 223.70): E

Ion 227.00 (226.70 to 227.70): E

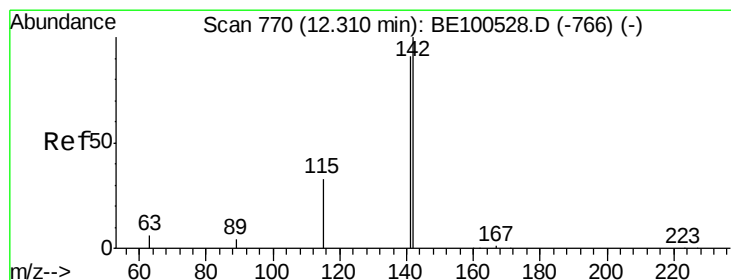
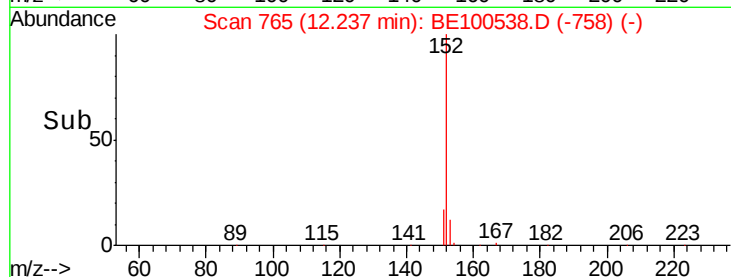
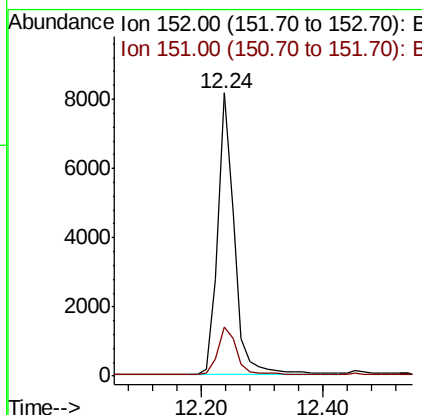
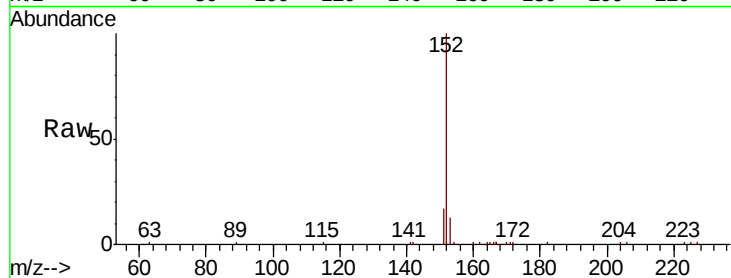




#11
 2-Methylnaphthalene-d10
 Concen: 0.376 ng
 RT: 12.24 min Scan# 765
 Delta R.T. -0.00 min
 Lab File: BE100538.D
 Acq: 23 Sep 2019 13:45

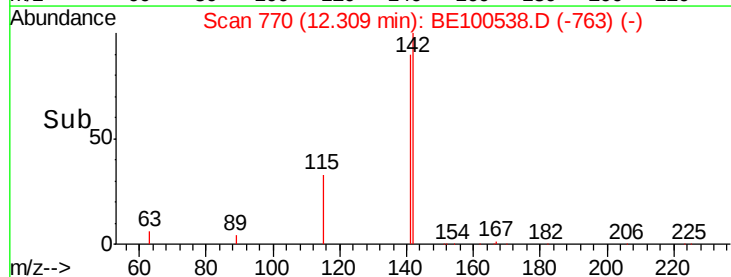
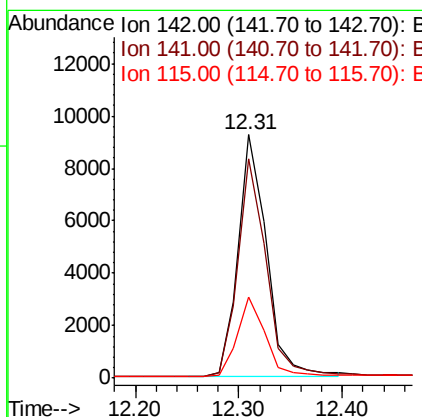
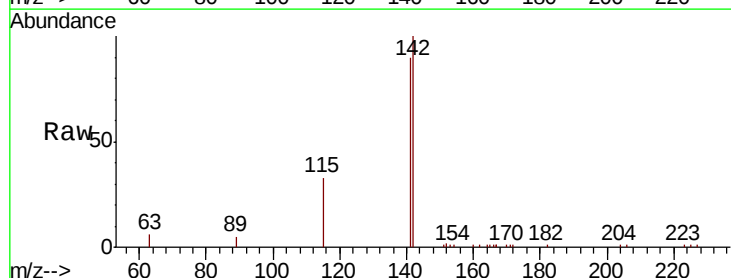
Instrument :
 BNA_E
 ClientSampleId :
 PB123105BS

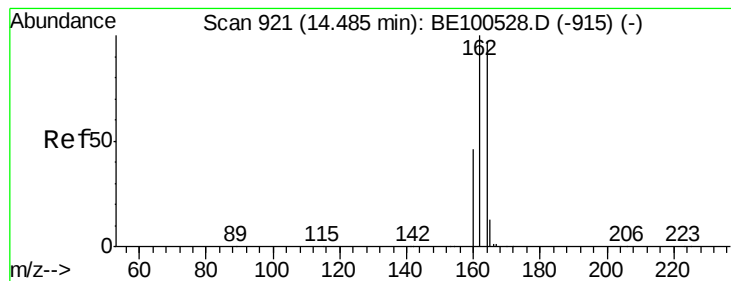
Tot Ion:152 Resp: 15485
 Ion Ratio Lower Upper
 152 100
 151 19.3 15.3 22.9



#12
 2-Methylnaphthalene
 Concen: 0.386 ng
 RT: 12.31 min Scan# 770
 Delta R.T. -0.00 min
 Lab File: BE100538.D
 Acq: 23 Sep 2019 13:45

Tgt Ion:142 Resp: 17528
 Ion Ratio Lower Upper
 142 100
 141 90.0 72.5 108.7
 115 33.1 27.2 40.8





#13

Acenaphthene-d10

Concen: 0.400 ng

RT: 14.48 min Scan# 921

Delta R.T. -0.00 min

Lab File: BE100538.D

Acq: 23 Sep 2019 13:45

Instrument :

BNA_E

ClientSampleId :

PB123105BS

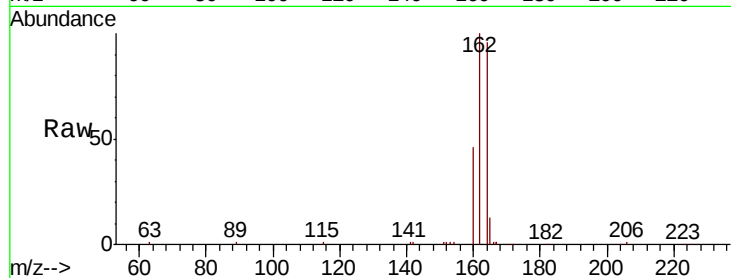
Tot Ion:164 Resp: 15400

Ion Ratio Lower Upper

164 100

162 104.3 82.1 123.1

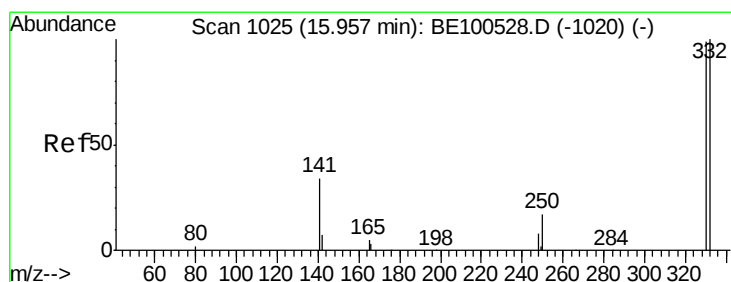
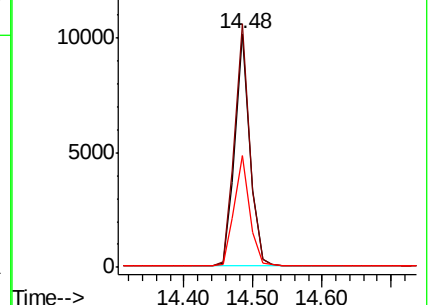
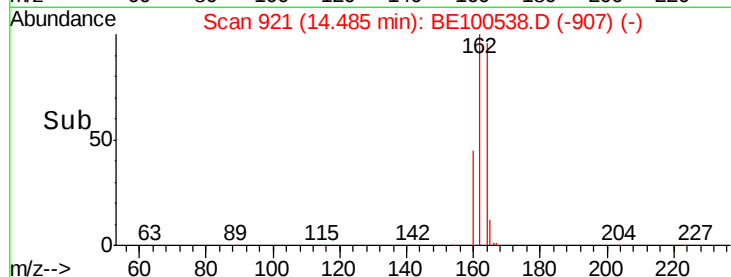
160 47.6 37.6 56.4



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: 0.353 ng

RT: 15.96 min Scan# 1025

Delta R.T. -0.00 min

Lab File: BE100538.D

Acq: 23 Sep 2019 13:45

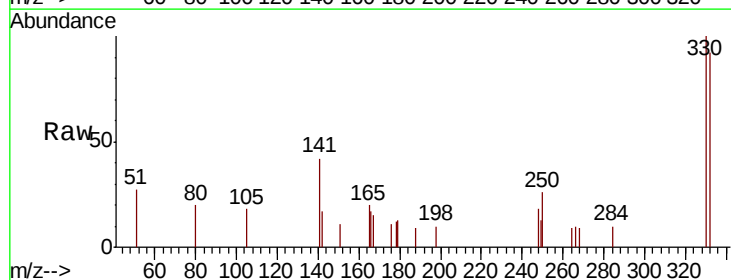
Tgt Ion:330 Resp: 880

Ion Ratio Lower Upper

330 100

332 92.5 75.5 113.3

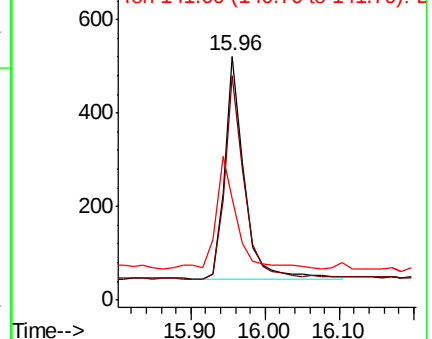
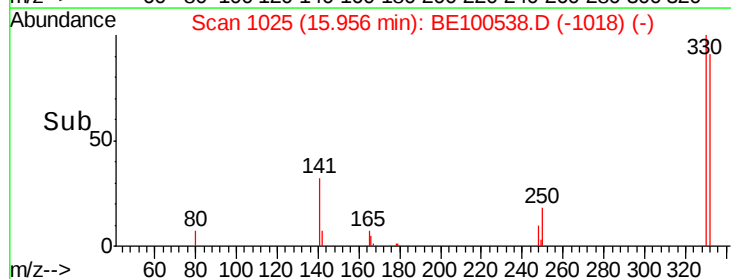
141 52.2 42.3 63.5

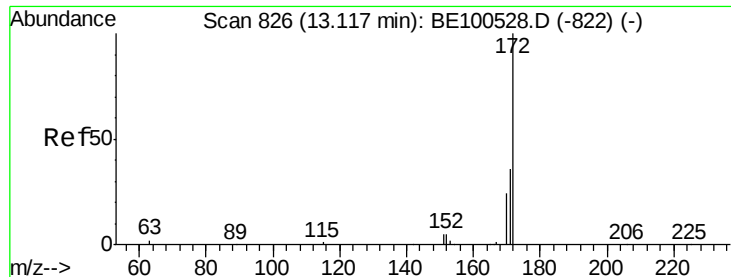


Abundance Ion 330.00 (329.70 to 330.70): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

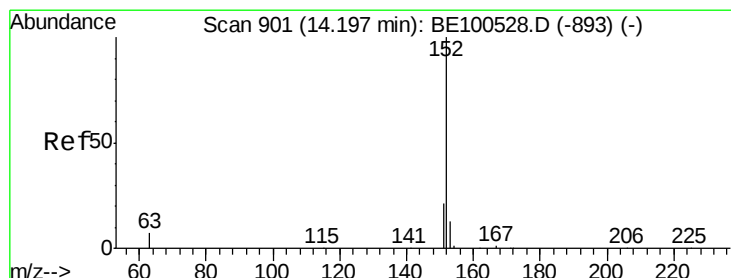
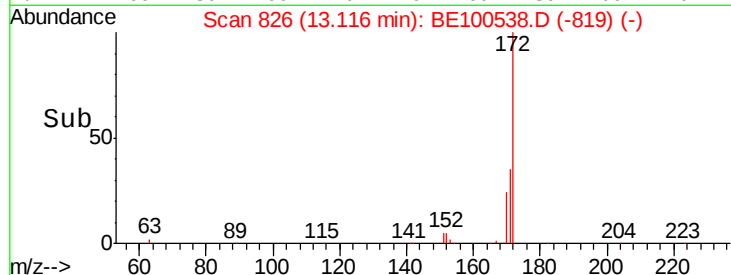
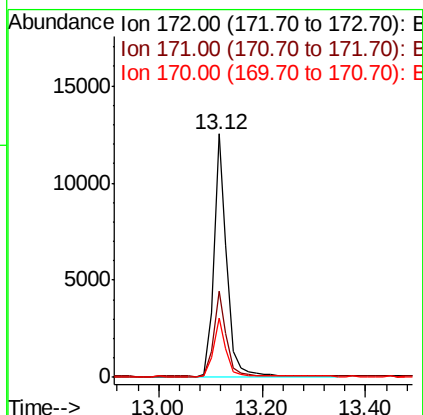
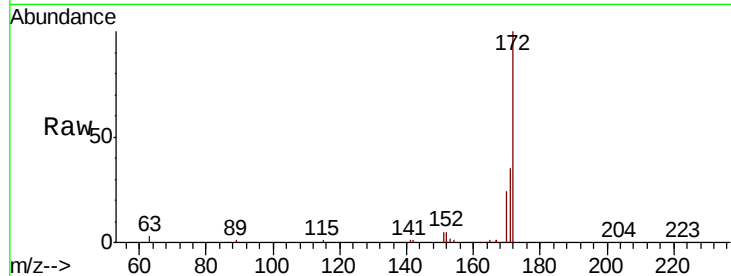




#15
2-Fluorobiphenyl
Concen: 0.398 ng
RT: 13.12 min Scan# 826
Delta R.T. -0.00 min
Lab File: BE100538.D
Acq: 23 Sep 2019 13:45

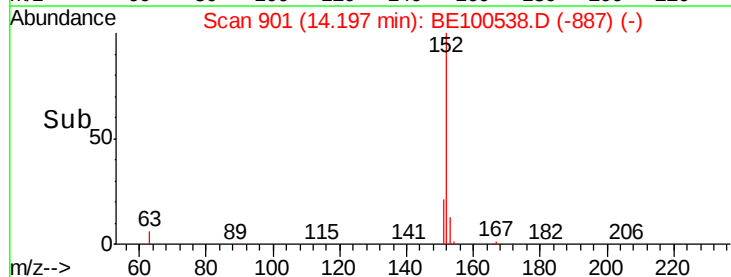
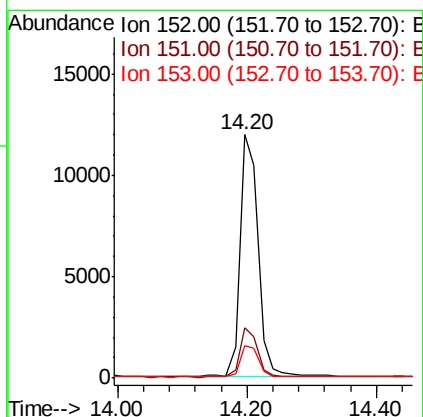
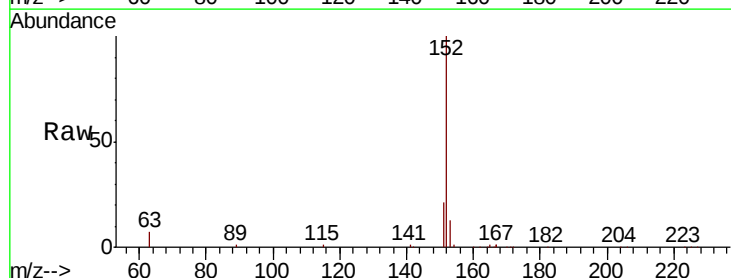
Instrument :
BNA_E
ClientSampleId :
PB123105BS

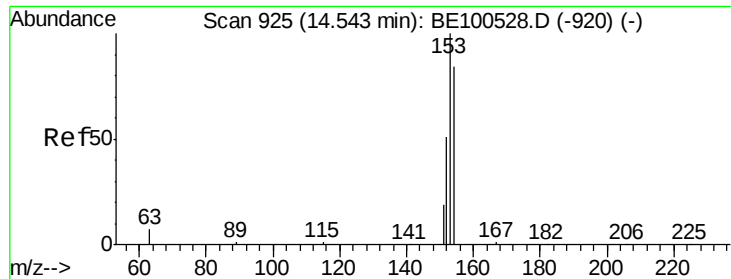
Tot Ion:172 Resp: 21869
Ion Ratio Lower Upper
172 100
171 35.3 28.8 43.2
170 24.4 19.4 29.0



#16
Acenaphthylene
Concen: 0.366 ng
RT: 14.20 min Scan# 901
Delta R.T. -0.00 min
Lab File: BE100538.D
Acq: 23 Sep 2019 13:45

Tgt Ion:152 Resp: 23201
Ion Ratio Lower Upper
152 100
151 19.9 15.9 23.9
153 13.4 10.7 16.1





#17

Acenaphthene

Concen: 0.386 ng

RT: 14.54 min Scan# 925

Delta R.T. -0.00 min

Lab File: BE100538.D

Acq: 23 Sep 2019 13:45

Instrument :

BNA_E

ClientSampleId :

PB123105BS

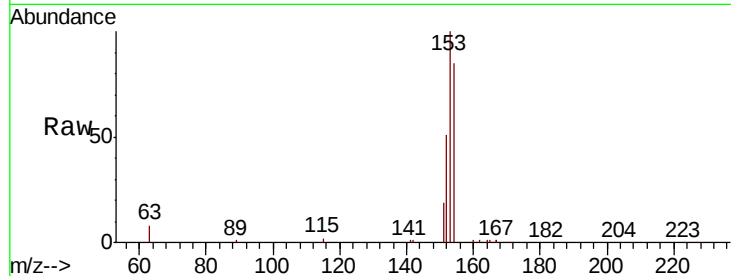
Tot Ion:154 Resp: 16545

Ion Ratio Lower Upper

154 100

153 116.9 93.7 140.5

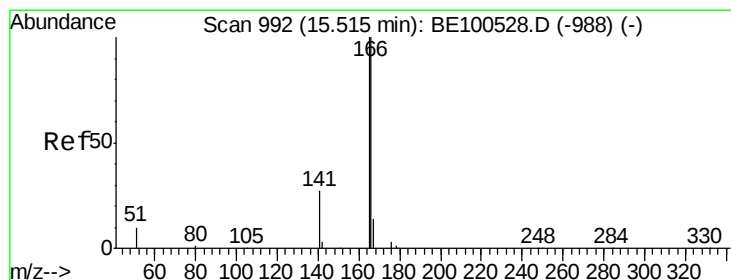
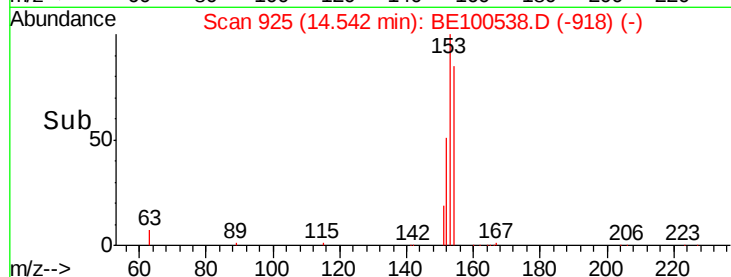
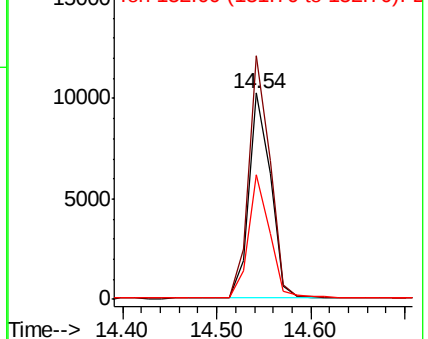
152 58.7 47.3 70.9



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: 0.383 ng

RT: 15.51 min Scan# 992

Delta R.T. -0.00 min

Lab File: BE100538.D

Acq: 23 Sep 2019 13:45

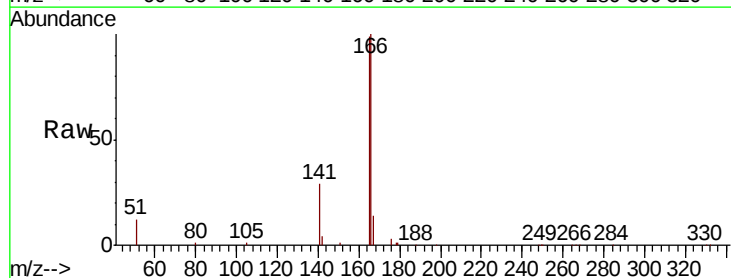
Tgt Ion:166 Resp: 20505

Ion Ratio Lower Upper

166 100

165 99.5 80.1 120.1

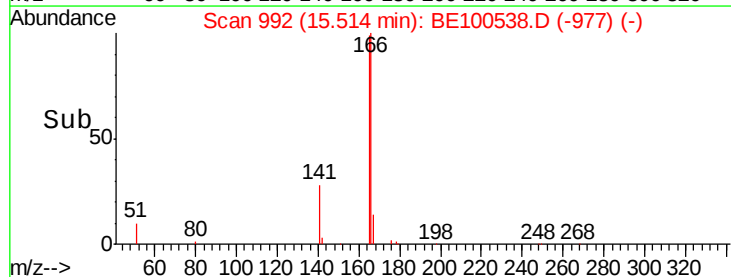
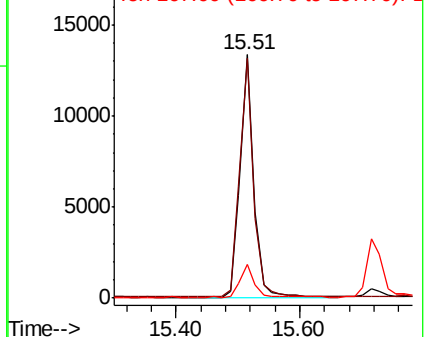
167 13.6 10.9 16.3

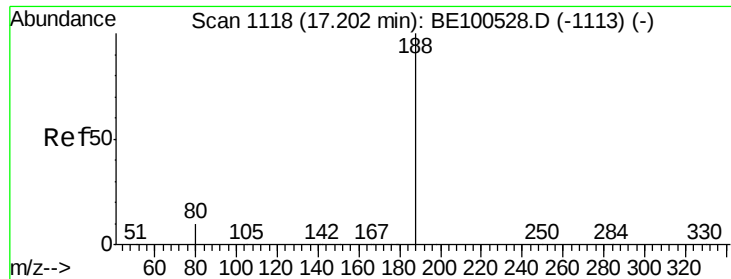


Abundance Ion 166.00 (165.70 to 166.70): E

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: 17.20 min Scan# 1118

Delta R.T. -0.00 min

Lab File: BE100538.D

Acq: 23 Sep 2019 13:45

Instrument :

BNA_E

ClientSampleId :

PB123105BS

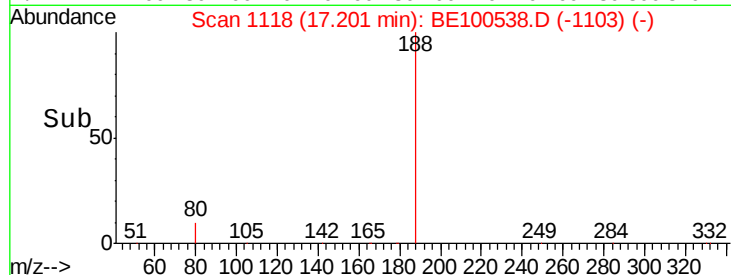
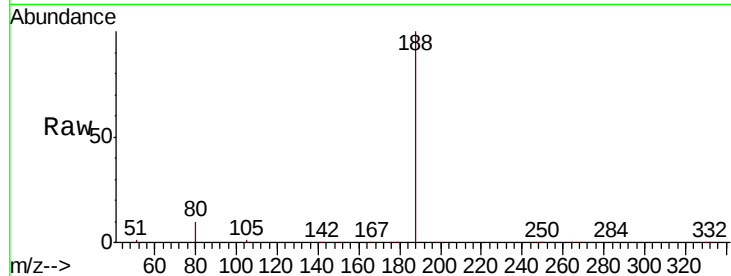
Tot Ion:188 Resp: 33231

Ion Ratio Lower Upper

188 100

94 0.0 0.0 0.0

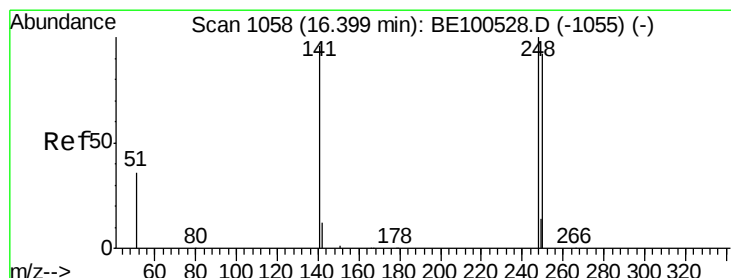
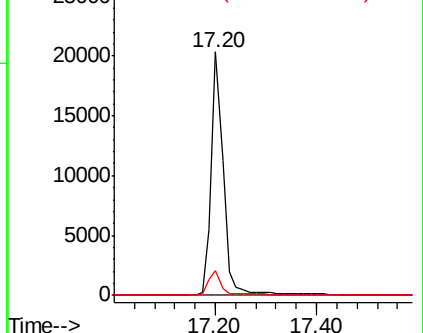
80 10.0 8.0 12.0



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: 0.391 ng

RT: 16.40 min Scan# 1058

Delta R.T. -0.00 min

Lab File: BE100538.D

Acq: 23 Sep 2019 13:45

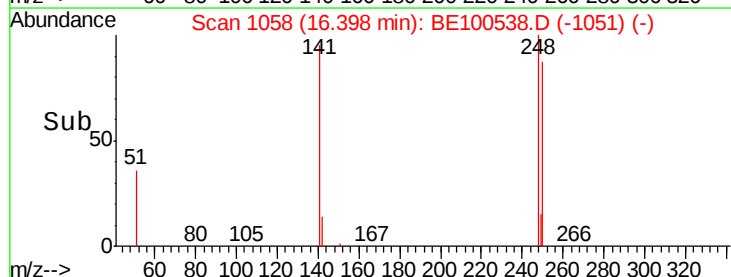
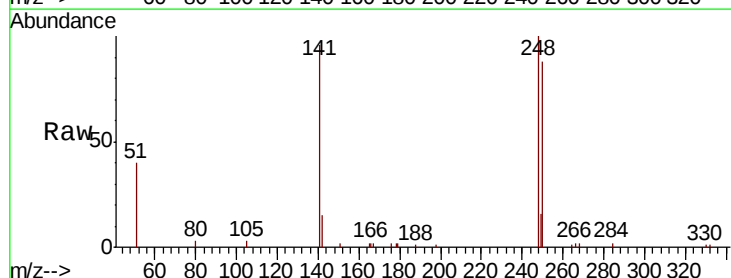
Tgt Ion:248 Resp: 6104

Ion Ratio Lower Upper

248 100

250 87.6 73.5 110.3

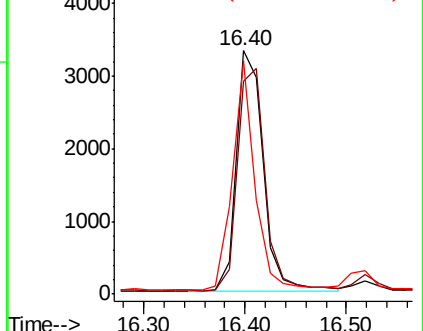
141 95.6 77.0 115.4

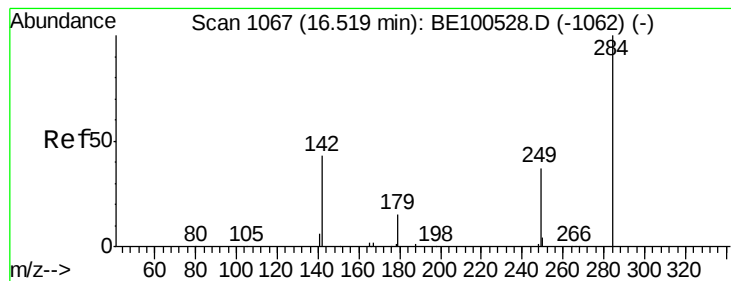


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E





#21

Hexachlorobenzene

Concen: 0.390 ng

RT: 16.52 min Scan# 1067

Delta R.T. -0.00 min

Lab File: BE100538.D

Acq: 23 Sep 2019 13:45

Instrument :

BNA_E

ClientSampleId :

PB123105BS

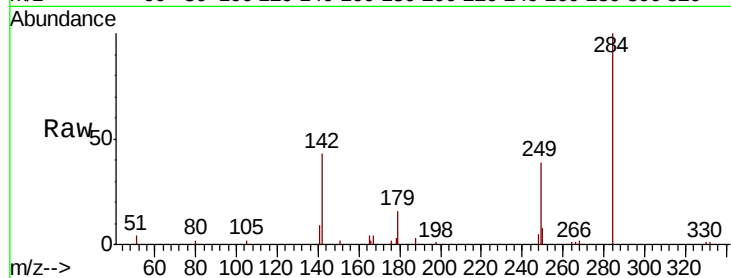
Tot Ion:284 Resp: 5311

Ion Ratio Lower Upper

284 100

142 47.6 39.0 58.6

249 35.2 28.2 42.2

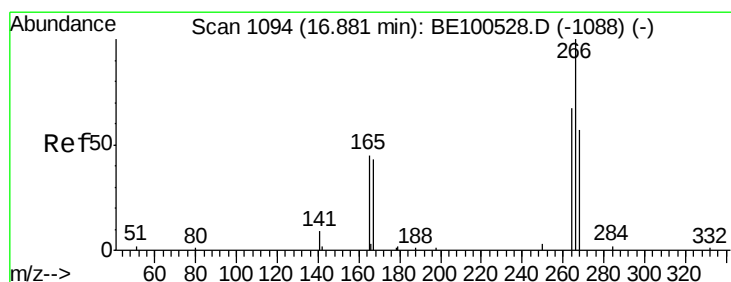
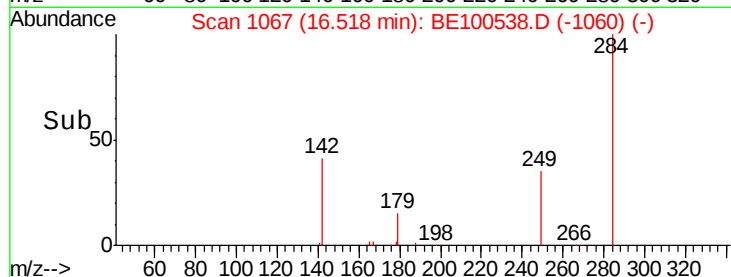
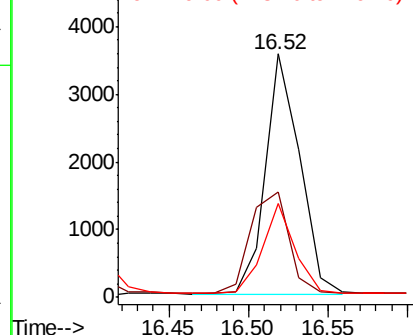


Abundance

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: 0.399 ng

RT: 16.87 min Scan# 1093

Delta R.T. -0.01 min

Lab File: BE100538.D

Acq: 23 Sep 2019 13:45

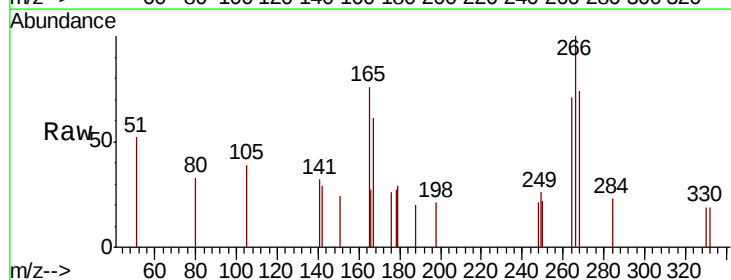
Tgt Ion:266 Resp: 726

Ion Ratio Lower Upper

266 100

264 70.6 57.6 86.4

268 74.4 55.1 82.7

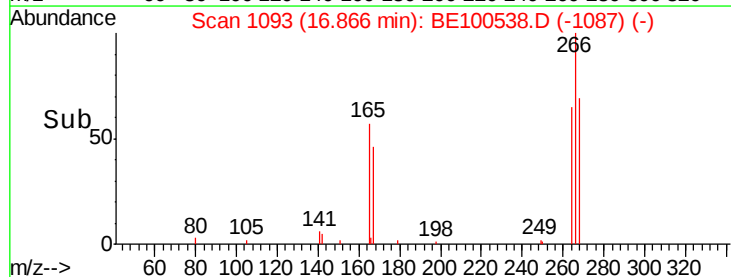
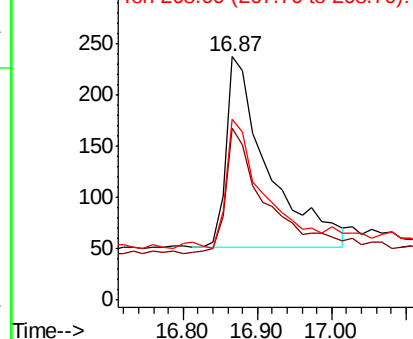


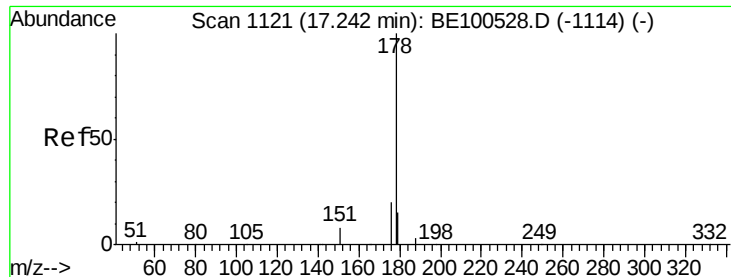
Abundance

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

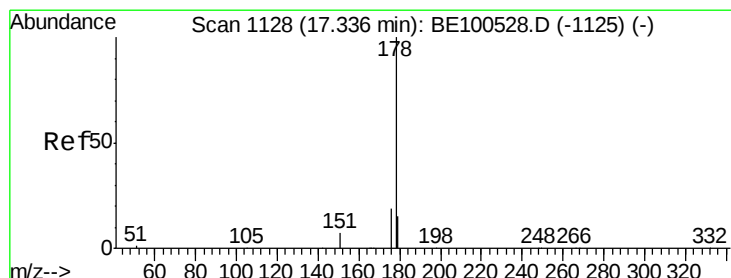
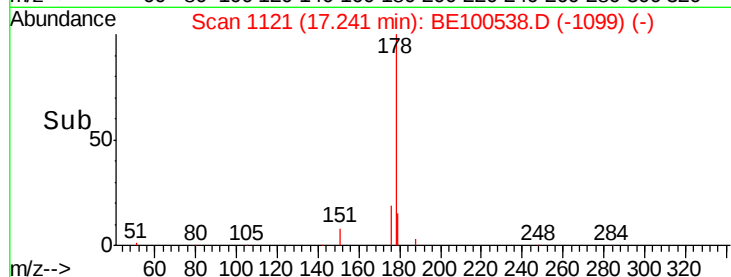
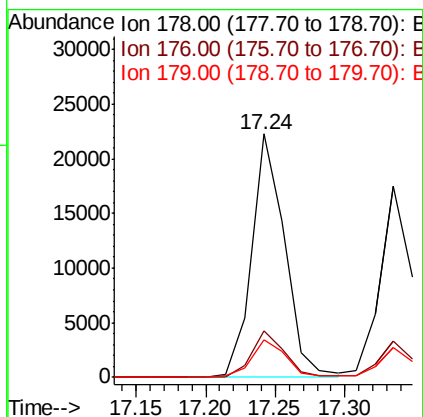
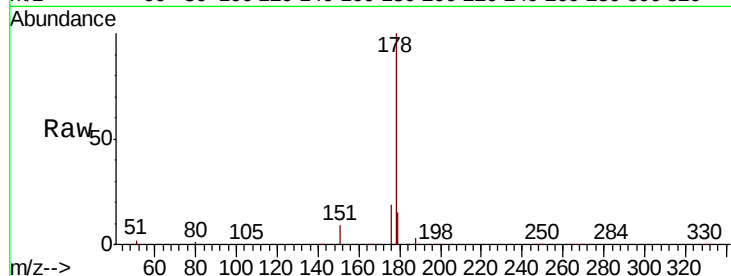




#23
Phenanthrene
Concen: 0.392 ng
RT: 17.24 min Scan# 1121
Delta R.T. -0.00 min
Lab File: BE100538.D
Acq: 23 Sep 2019 13:45

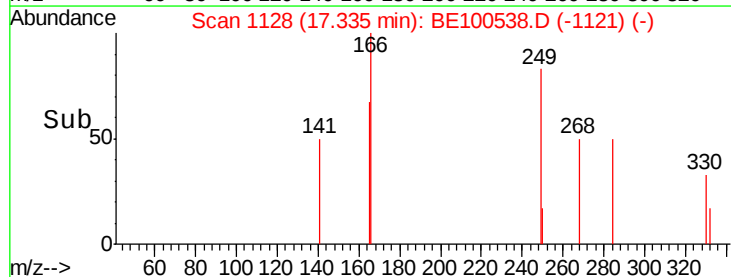
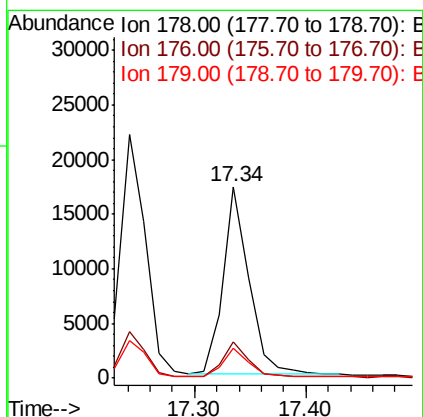
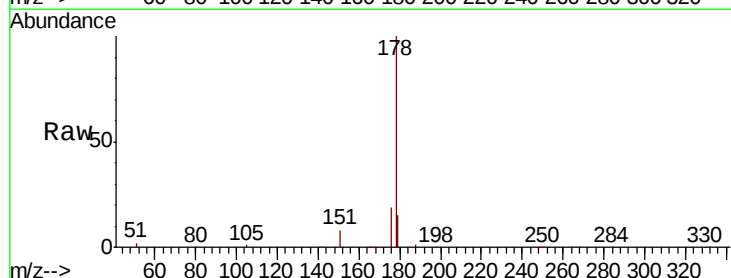
Instrument :
BNA_E
ClientSampleId :
PB123105BS

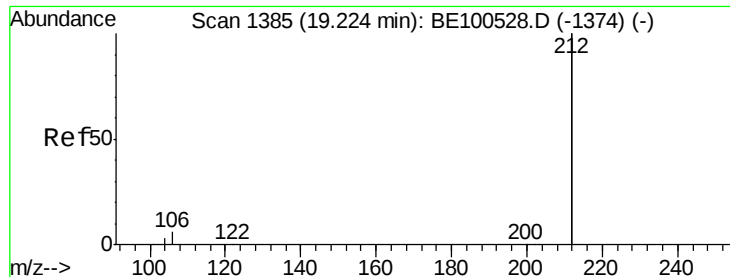
Tot Ion:178 Resp: 36304
Ion Ratio Lower Upper
178 100
176 18.7 15.4 23.2
179 15.5 12.6 18.8



#24
Anthracene
Concen: 0.359 ng
RT: 17.34 min Scan# 1128
Delta R.T. -0.00 min
Lab File: BE100538.D
Acq: 23 Sep 2019 13:45

Tgt Ion:178 Resp: 27971
Ion Ratio Lower Upper
178 100
176 18.7 15.2 22.8
179 15.1 12.2 18.4

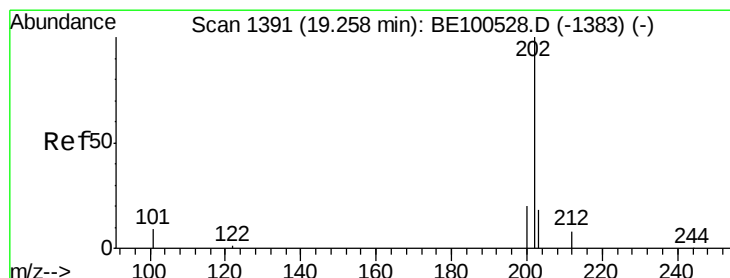
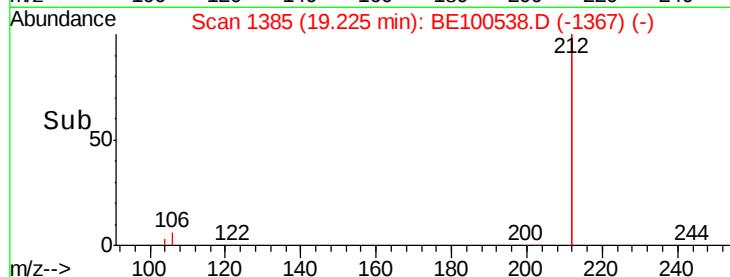
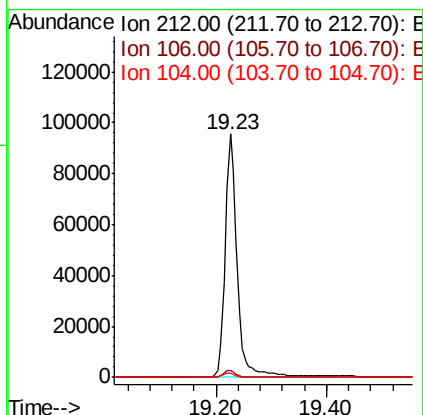
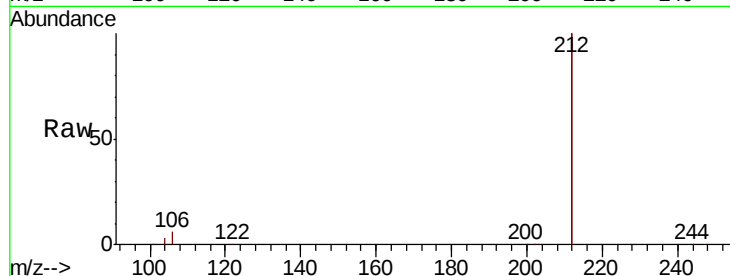




#25
 Fluoranthene-d10
 Concen: 0.373 ng
 RT: 19.23 min Scan# 1385
 Delta R.T. 0.00 min
 Lab File: BE100538.D
 Acq: 23 Sep 2019 13:45

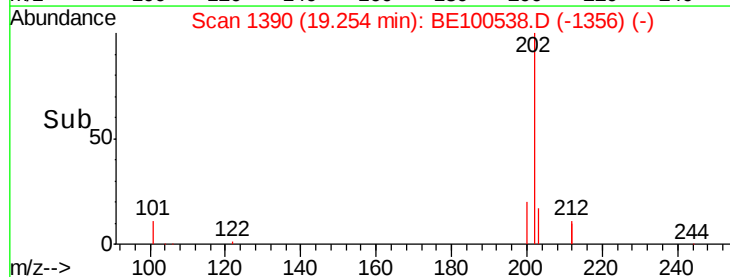
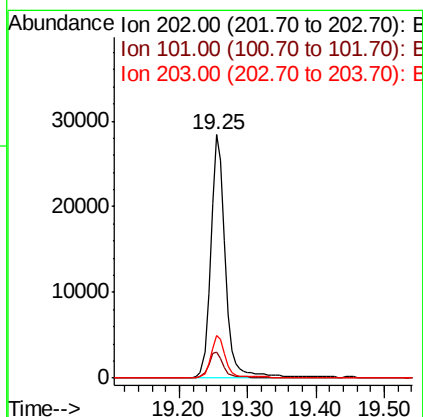
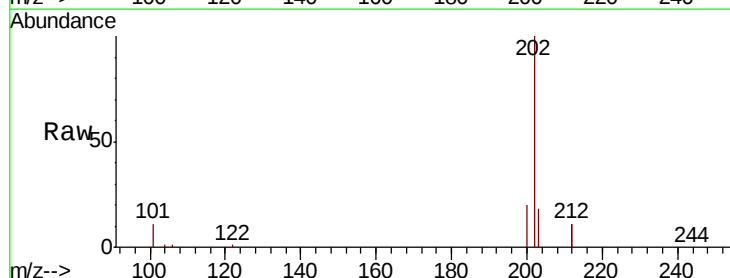
Instrument :
 BNA_E
 ClientSampleId :
 PB123105BS

Tot Ion:212 Resp: 147599
 Ion Ratio Lower Upper
 212 100
 106 3.0 2.3 3.5
 104 1.7 1.3 1.9



#26
 Fluoranthene
 Concen: 0.377 ng
 RT: 19.25 min Scan# 1390
 Delta R.T. -0.00 min
 Lab File: BE100538.D
 Acq: 23 Sep 2019 13:45

Tgt Ion:202 Resp: 42089
 Ion Ratio Lower Upper
 202 100
 101 11.1 8.8 13.2
 203 17.2 13.7 20.5

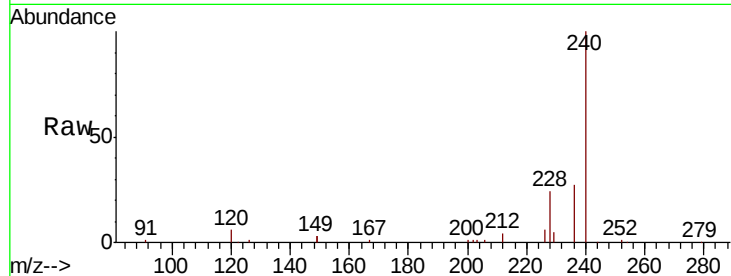




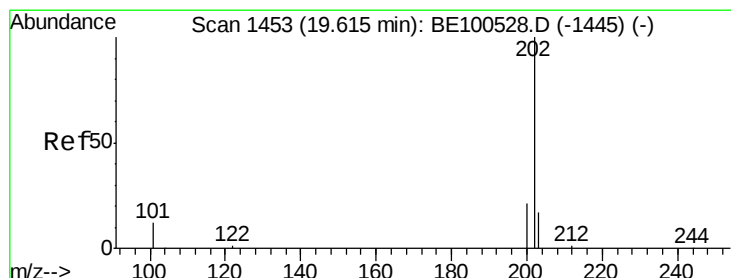
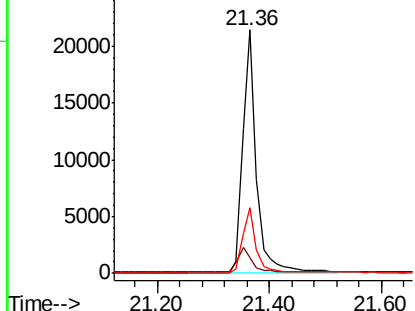
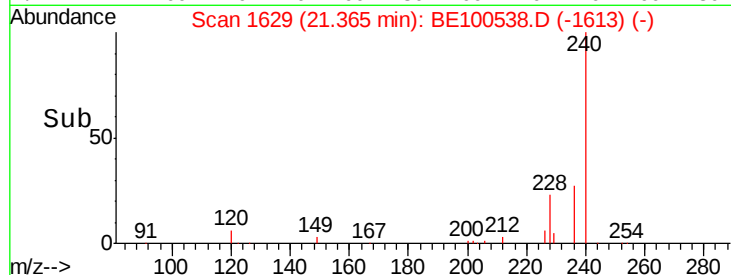
#27
Chrysene-d12
Concen: 0.400 ng
RT: 21.36 min Scan# 1629
Delta R.T. -0.00 min
Lab File: BE100538.D
Acq: 23 Sep 2019 13:45

Instrument :
BNA_E
ClientSampleId :
PB123105BS

Tot Ion:240 Resp: 36060
Ion Ratio Lower Upper
240 100
120 6.5 4.5 6.7
236 27.0 20.6 30.8

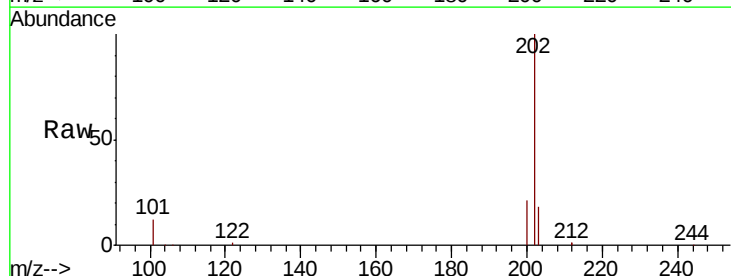


Abundance Ion 240.00 (239.70 to 240.70): E
Ion 120.00 (119.70 to 120.70): E
Ion 236.00 (235.70 to 236.70): E

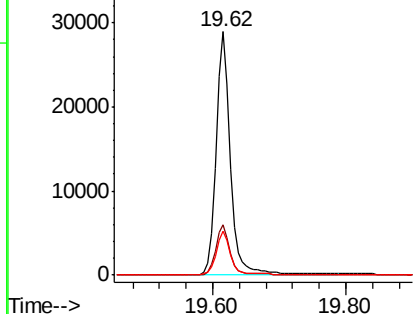
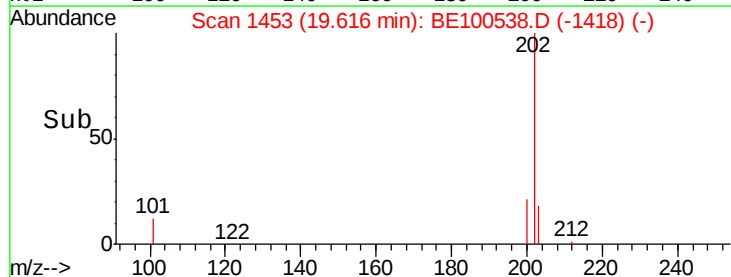


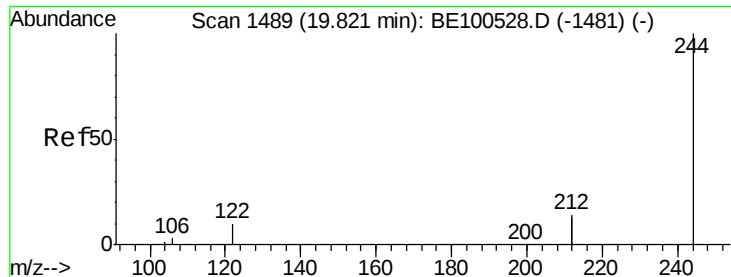
#28
Pyrene
Concen: 0.407 ng
RT: 19.62 min Scan# 1453
Delta R.T. 0.00 min
Lab File: BE100538.D
Acq: 23 Sep 2019 13:45

Tgt Ion:202 Resp: 42212
Ion Ratio Lower Upper
202 100
200 20.8 16.6 25.0
203 17.7 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: 0.404 ng

RT: 19.82 min Scan# 1489

Delta R.T. 0.00 min

Lab File: BE100538.D

Acq: 23 Sep 2019 13:45

Instrument :

BNA_E

ClientSampleId :

PB123105BS

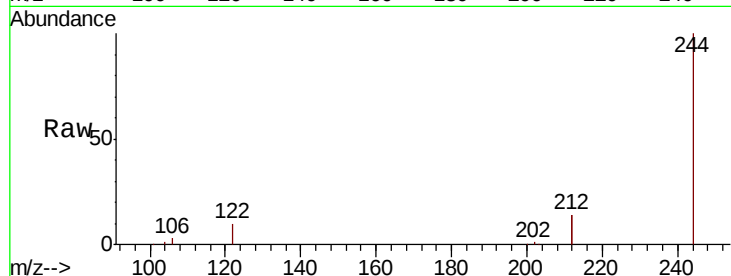
Tot Ion:244 Resp: 34489

Ion Ratio Lower Upper

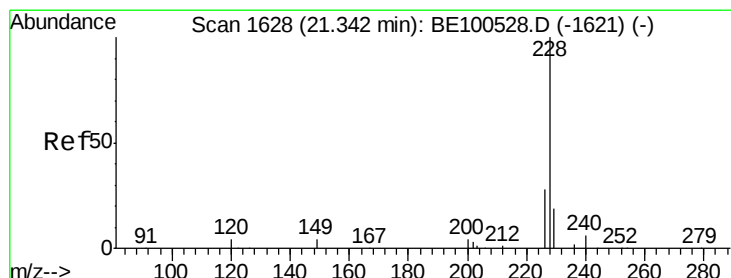
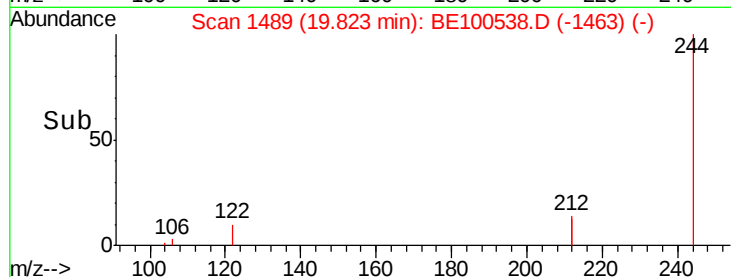
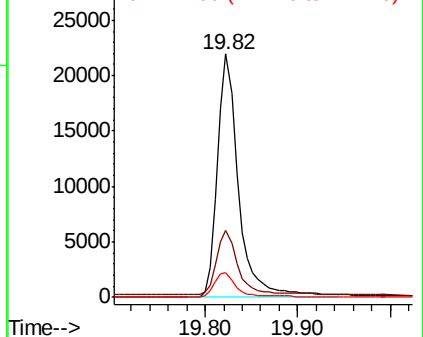
244 100

212 27.5 22.2 33.2

122 10.0 8.3 12.5



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: 0.372 ng

RT: 21.34 min Scan# 1627

Delta R.T. -0.00 min

Lab File: BE100538.D

Acq: 23 Sep 2019 13:45

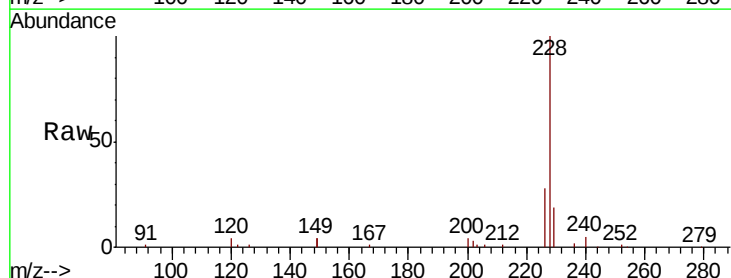
Tgt Ion:228 Resp: 35866

Ion Ratio Lower Upper

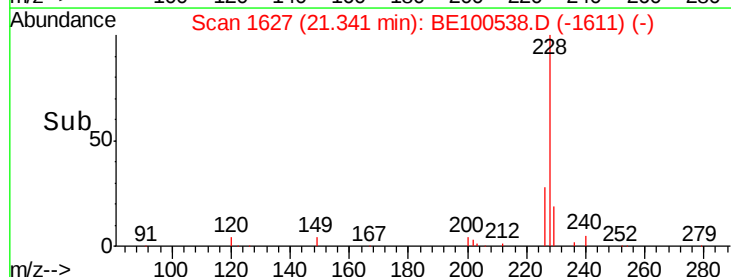
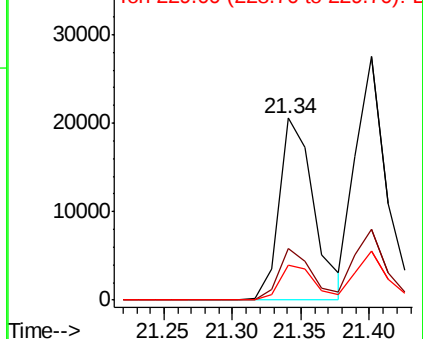
228 100

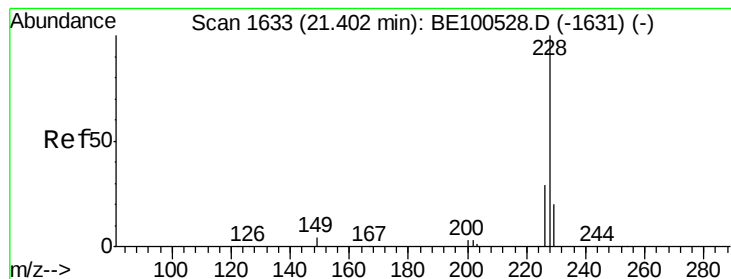
226 28.3 22.5 33.7

229 19.4 15.4 23.2



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: 0.388 ng

RT: 21.40 min Scan# 1632

Delta R.T. -0.00 min

Lab File: BE100538.D

Acq: 23 Sep 2019 13:45

Instrument :

BNA_E

ClientSampleId :

PB123105BS

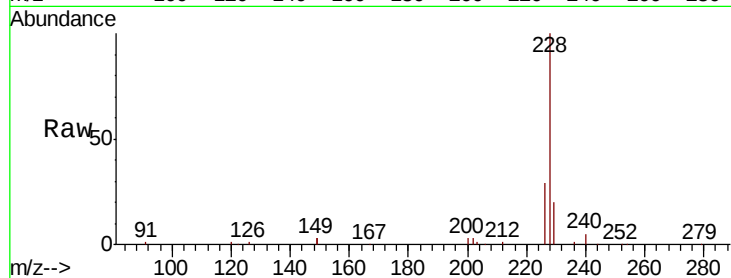
Tot Ion:228 Resp: 42601

Ion Ratio Lower Upper

228 100

226 28.9 23.3 34.9

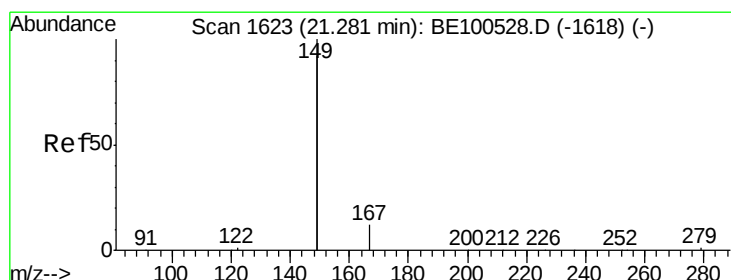
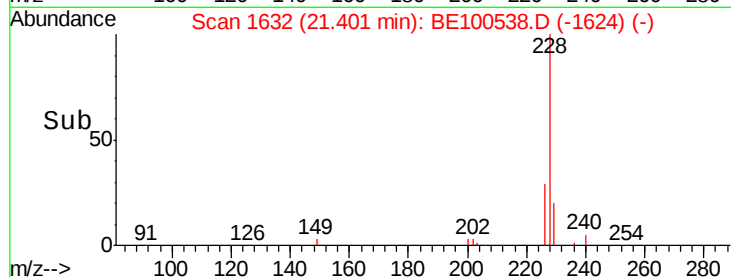
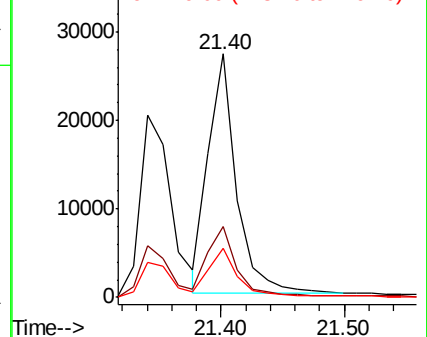
229 20.3 16.3 24.5



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



#32

Bis(2-ethylhexyl)phthalate

Concen: 0.334 ng

RT: 21.28 min Scan# 1622

Delta R.T. -0.00 min

Lab File: BE100538.D

Acq: 23 Sep 2019 13:45

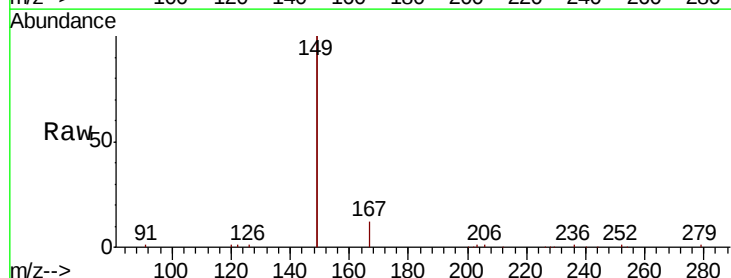
Tgt Ion:149 Resp: 34720

Ion Ratio Lower Upper

149 100

167 6.6 5.2 7.8

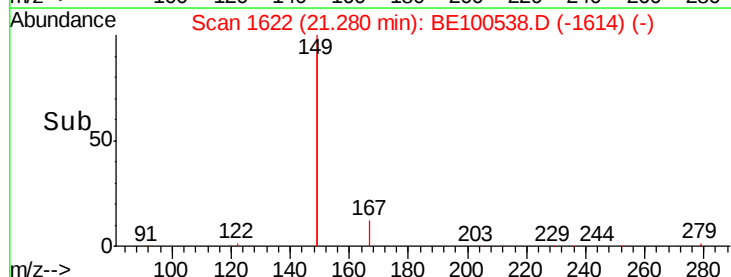
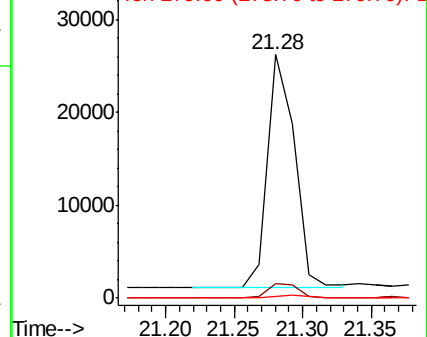
279 1.1 1.0 1.4

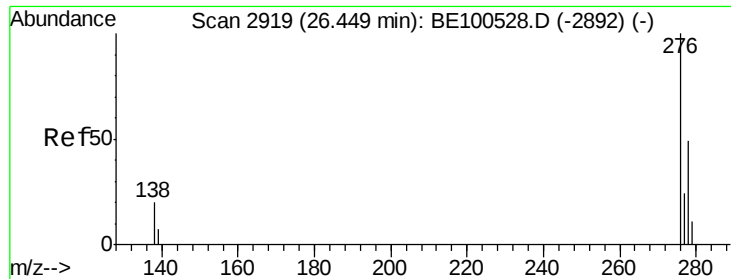


Abundance Ion 149.00 (148.70 to 149.70): E

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: 0.373 ng

RT: 26.45 min Scan# 2918

Delta R.T. -0.00 min

Lab File: BE100538.D

Acq: 23 Sep 2019 13:45

Instrument :

BNA_E

ClientSampleId :

PB123105BS

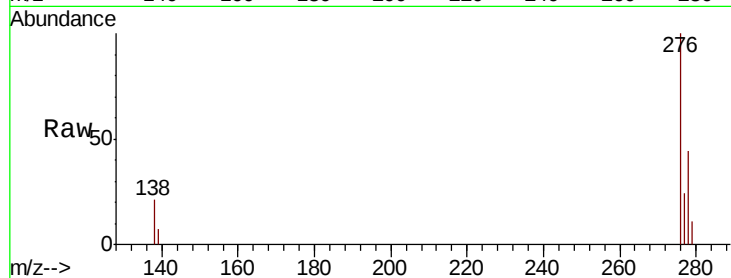
Tot Ion:276 Resp: 45468

Ion Ratio Lower Upper

276 100

138 22.3 17.7 26.5

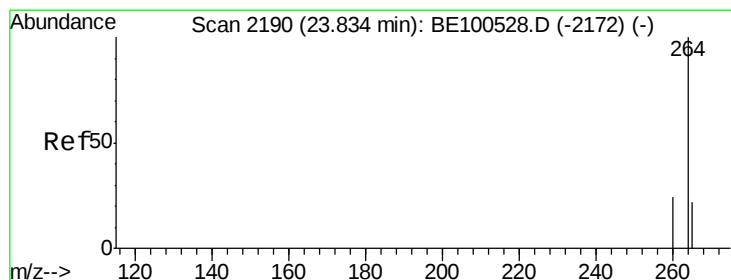
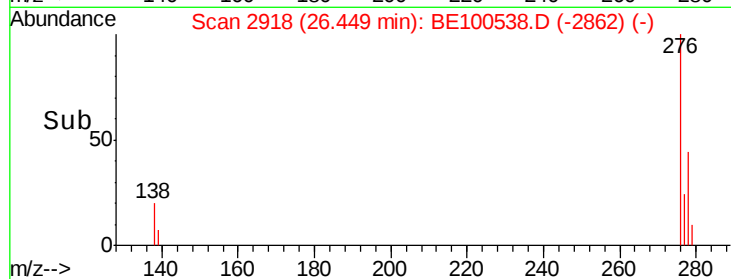
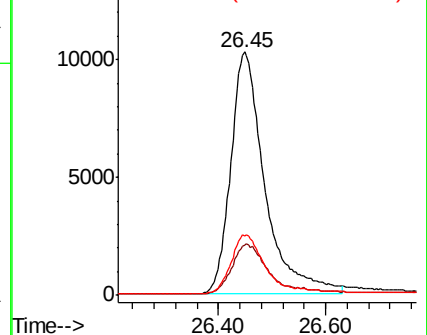
277 25.1 19.9 29.9



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: 23.83 min Scan# 2189

Delta R.T. -0.00 min

Lab File: BE100538.D

Acq: 23 Sep 2019 13:45

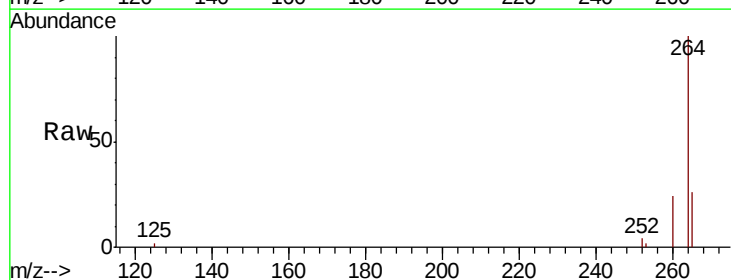
Tgt Ion:264 Resp: 39853

Ion Ratio Lower Upper

264 100

260 24.2 19.6 29.4

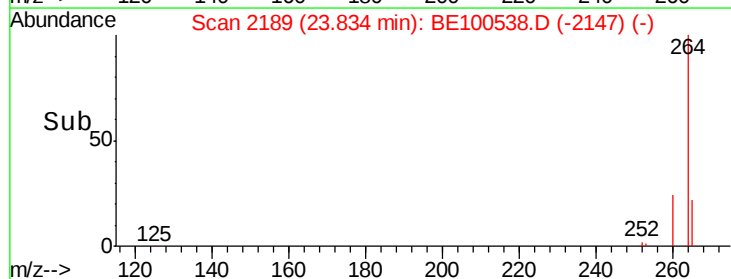
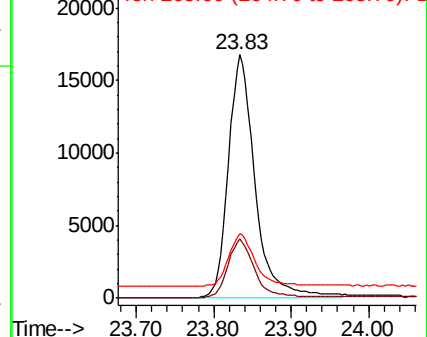
265 26.5 21.8 32.8



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: 0.359 ng

RT: 23.08 min Scan# 1977

Delta R.T. 0.00 min

Lab File: BE100538.D

Acq: 23 Sep 2019 13:45

Instrument :

BNA_E

ClientSampleId :

PB123105BS

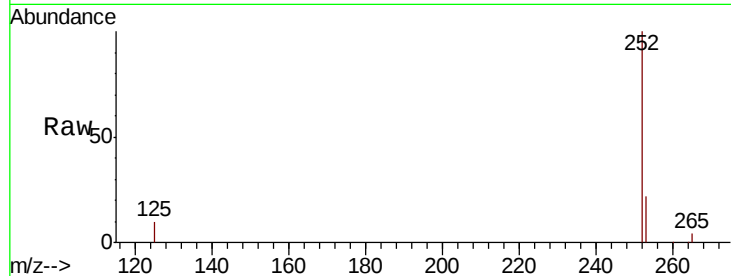
Tot Ion:252 Resp: 38662

Ion Ratio Lower Upper

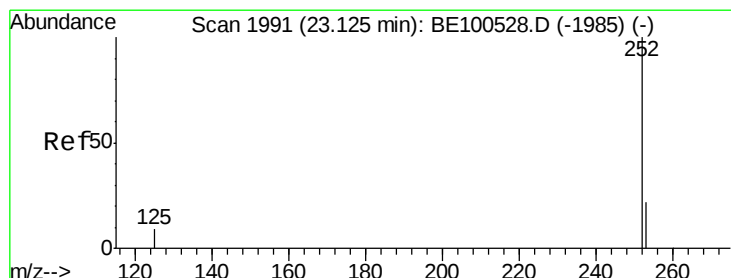
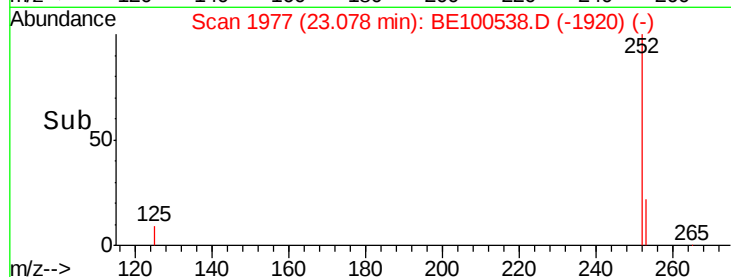
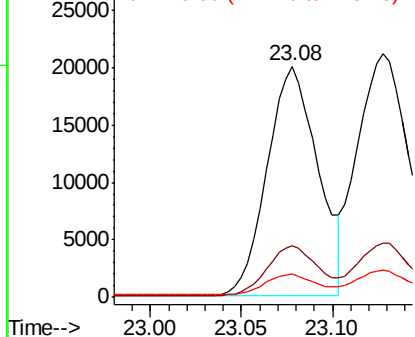
252 100

253 22.3 18.1 27.1

125 10.1 8.0 12.0



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: 0.371 ng

RT: 23.13 min Scan# 1991

Delta R.T. 0.00 min

Lab File: BE100538.D

Acq: 23 Sep 2019 13:45

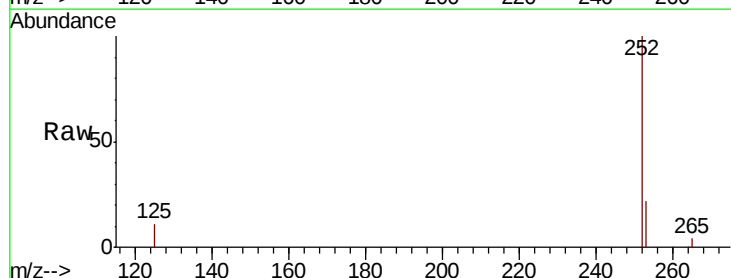
Tgt Ion:252 Resp: 46251

Ion Ratio Lower Upper

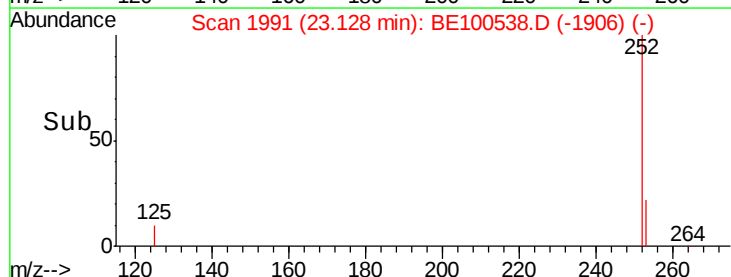
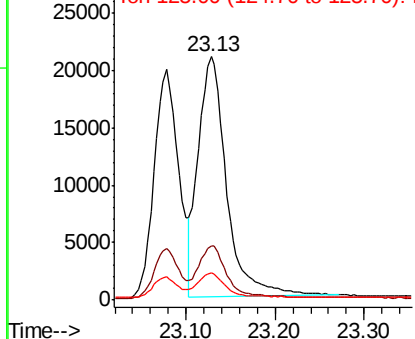
252 100

253 22.4 17.9 26.9

125 11.2 8.5 12.7



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: 0.353 ng

RT: 23.73 min Scan# 2159

Delta R.T. 0.00 min

Lab File: BE100538.D

Acq: 23 Sep 2019 13:45

Instrument :

BNA_E

ClientSampleId :

PB123105BS

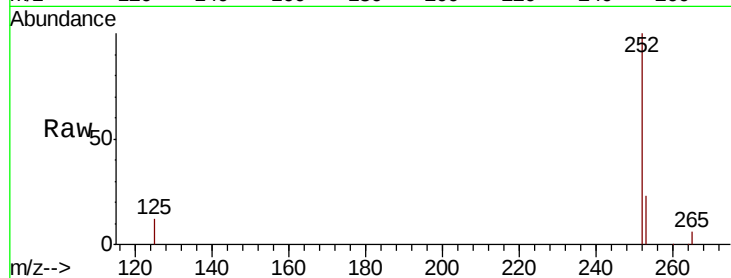
Tot Ion:252 Resp: 35530

Ion Ratio Lower Upper

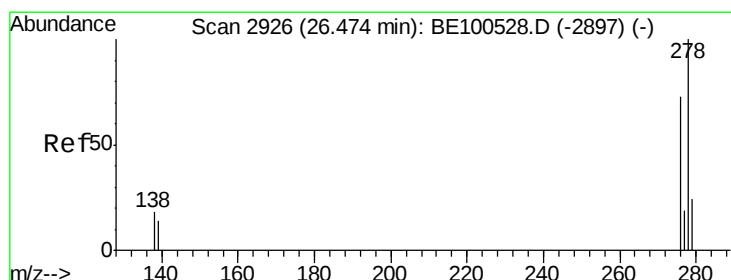
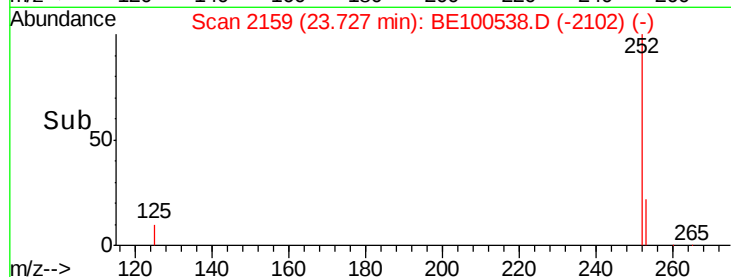
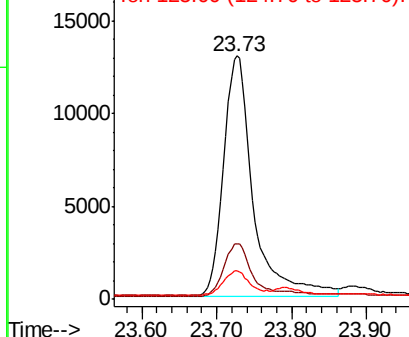
252 100

253 22.9 18.1 27.1

125 11.7 9.2 13.8



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: 0.358 ng

RT: 26.47 min Scan# 2925

Delta R.T. -0.00 min

Lab File: BE100538.D

Acq: 23 Sep 2019 13:45

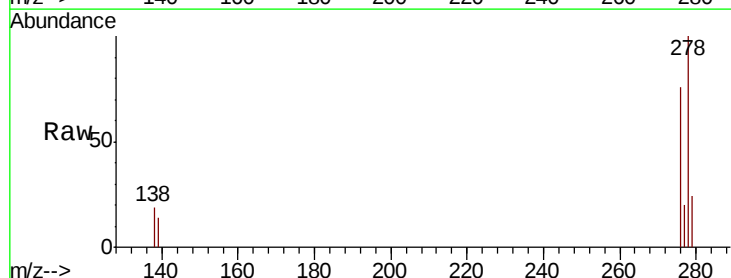
Tgt Ion:278 Resp: 37556

Ion Ratio Lower Upper

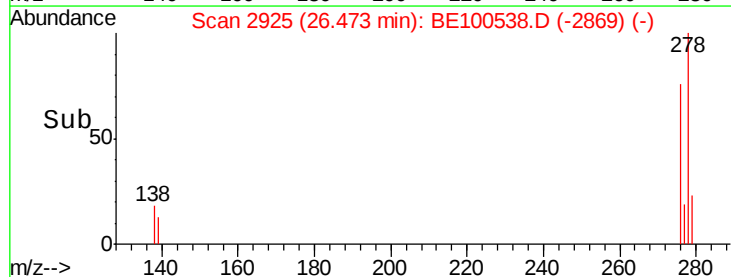
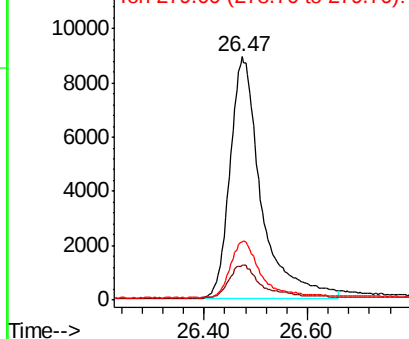
278 100

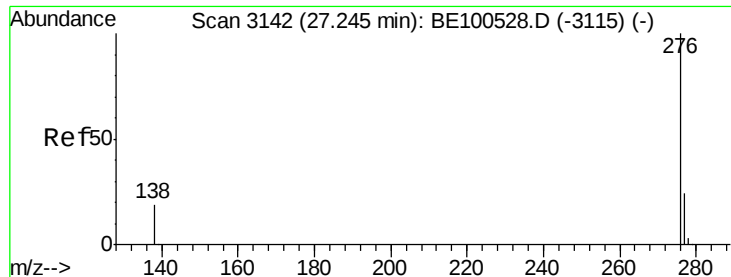
139 14.2 11.6 17.4

279 23.7 19.7 29.5



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: 0.367 ng

RT: 27.24 min Scan# 3140

Delta R.T. -0.00 min

Lab File: BE100538.D

Acq: 23 Sep 2019 13:45

Instrument :

BNA_E

ClientSampleId :

PB123105BS

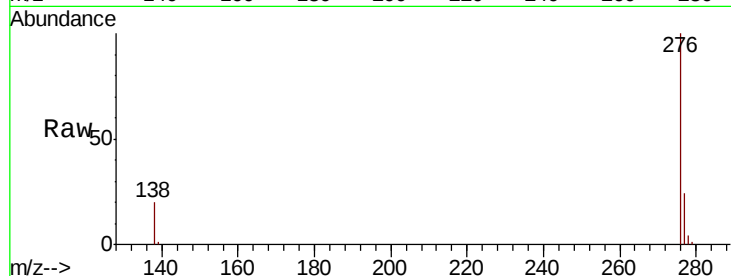
Tot Ion: 276 Resp: 40126

Ion Ratio Lower Upper

276 100

277 24.1 19.2 28.8

138 20.1 15.7 23.5



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

