

Data Path : Z:\SVOASRV\HPCHEM1\BNA_E\DATA\BE062019\
 Data File : BE100104.D
 Acq On : 20 Jun 2019 12:07
 Operator : JU/SJ
 Sample : PB120501BS
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 PB120501BS

Quant Time: Jun 21 01:43:31 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_E\METHODS\8270-SIM-BE061919.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Jun 19 15:07:24 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.74	152	412	0.40	ng	0.00
7) Naphthalene-d8	10.54	136	1539	0.40	ng	0.00
13) Acenaphthene-d10	14.41	164	1270	0.40	ng	0.00
19) Phenanthrene-d10	17.16	188	4341	0.40	ng	0.00
27) Chrysene-d12	21.34	240	7386	0.40	ng	0.00
34) Perylene-d12	23.84	264	8166	0.40	ng	0.00

System Monitoring Compounds						
4) 2-Fluorophenol	5.31	112	388	0.45	ng	0.00
5) Phenol-d6	6.96	99	406	0.35	ng	0.04
8) Nitrobenzene-d5	8.92	82	515	0.34	ng	0.01
11) 2-Methylnaphthalene-d10	12.15	152	1247	0.43	ng	0.00
14) 2,4,6-Tribromophenol	15.92	330	292	0.42	ng	0.00
15) 2-Fluorobiphenyl	13.04	172	2086	0.42	ng	0.00
25) Fluoranthene-d10	19.20	212	26013	0.42	ng	0.00
29) Terphenyl-d14	19.81	244	5150	0.35	ng	0.00

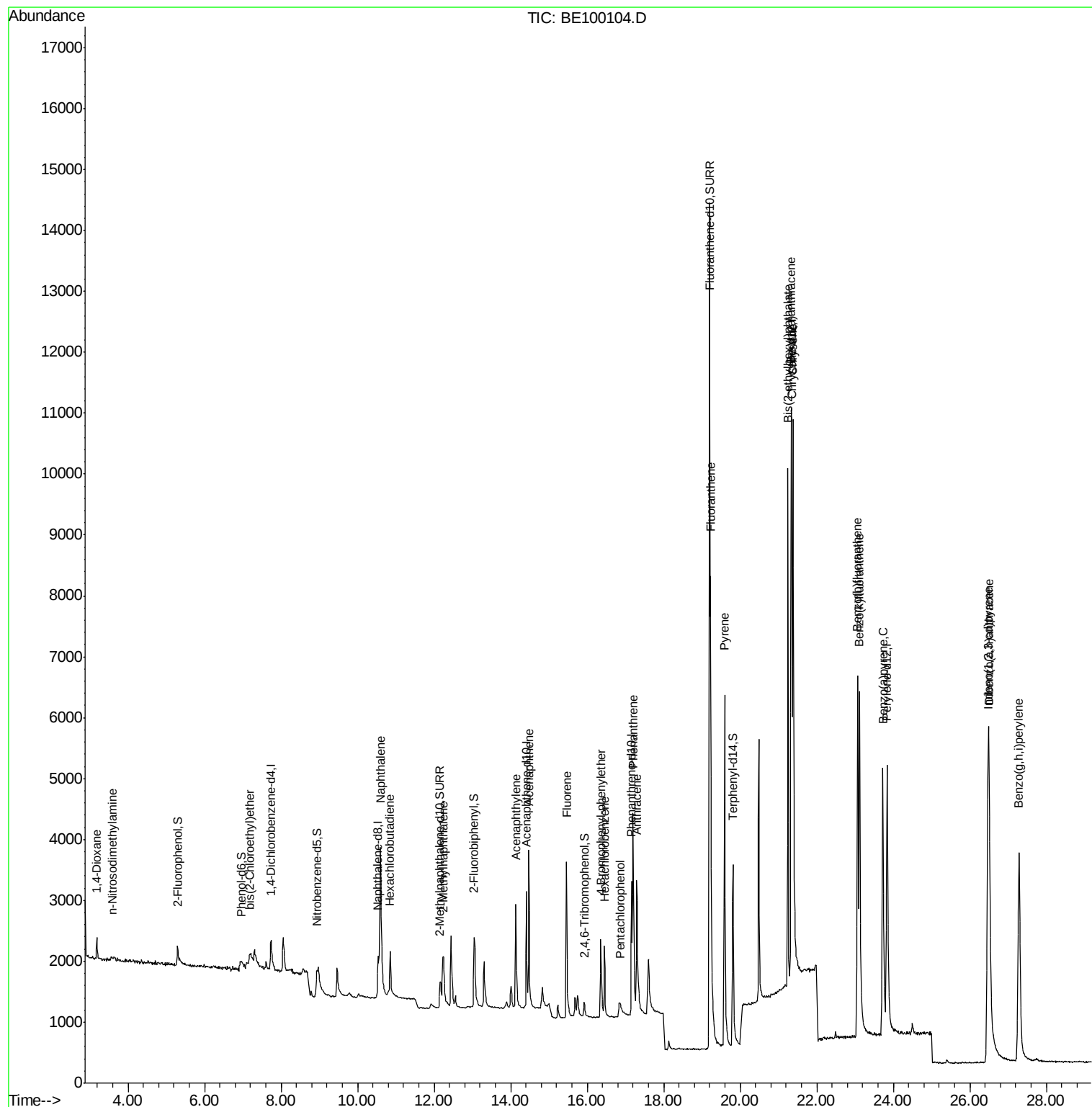
Target Compounds				Qvalue		
2) 1,4-Dioxane	3.19	88	276	0.418	ng	95
3) n-Nitrosodimethylamine	3.59	42	53	0.463	ng	# 100
6) bis(2-Chloroethyl)ether	7.17	93	431	0.389	ng	# 1
9) Naphthalene	10.59	128	7142	0.427	ng	98
10) Hexachlorobutadiene	10.85	225	631	0.384	ng	98
12) 2-Methylnaphthalene	12.24	142	1177	0.428	ng	96
16) Acenaphthylene	14.14	152	2754	0.457	ng	99
17) Acenaphthene	14.47	154	1444	0.428	ng	99
18) Fluorene	15.46	166	2312	0.461	ng	98
20) 4-Bromophenyl-phenylether	16.36	248	1045	0.405	ng	96
21) Hexachlorobenzene	16.45	284	1097	0.385	ng	97
22) Pentachlorophenol	16.85	266	431	0.708	ng	88
23) Phenanthrene	17.20	178	4418	0.425	ng	98
24) Anthracene	17.29	178	3576	0.408	ng	98
26) Fluoranthene	19.22	202	7425	0.445	ng	99
28) Pyrene	19.59	202	7651	0.403	ng	100
30) Benzo(a)anthracene	21.33	228	8312	0.378	ng	98
31) Chrysene	21.38	228	10495	0.411	ng	99
32) Bis(2-ethylhexyl)phthalate	21.24	149	9803	0.473	ng	100
33) Indeno(1,2,3-cd)pyrene	26.47	276	11787	0.410	ng	# 96
35) Benzo(b)fluoranthene	23.07	252	9090	0.379	ng	98
36) Benzo(k)fluoranthene	23.12	252	10497	0.385	ng	99
37) Benzo(a)pyrene	23.73	252	9307	0.402	ng	96
38) Dibenzo(a,h)anthracene	26.51	278	9546	0.403	ng	99
39) Benzo(g,h,i)perylene	27.29	276	10208	0.414	ng	98

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

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#1

1,4-Dichlorobenzene-d4

Concen: 0.400 ng

RT: 7.74 min Scan# 423

Delta R.T. 0.00 min

Lab File: BE100104.D

Acq: 20 Jun 2019 12:07

Instrument :

BNA_E

ClientSampleId :

PB120501BS

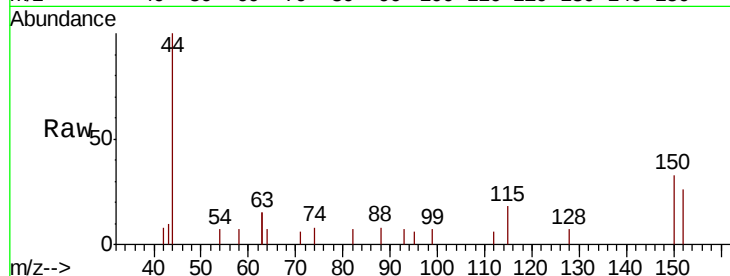
Tgt Ion: 152 Resp: 412

Ion Ratio Lower Upper

152 100

150 129.1 99.8 149.8

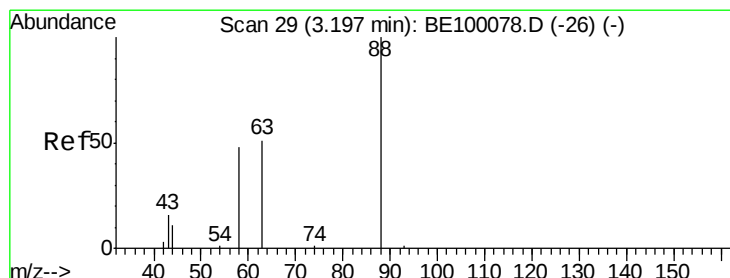
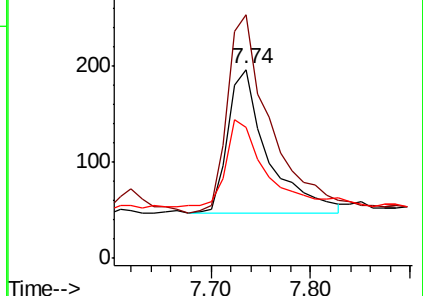
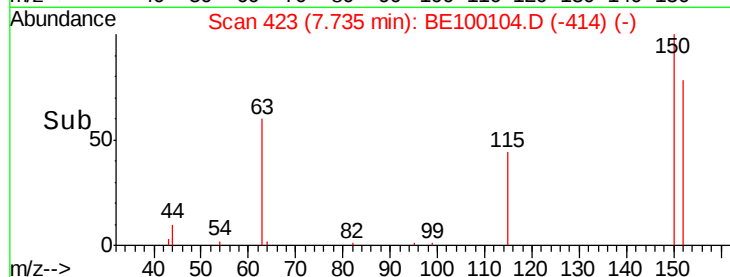
115 69.4 51.3 76.9



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: 0.418 ng

RT: 3.19 min Scan# 28

Delta R.T. -0.01 min

Lab File: BE100104.D

Acq: 20 Jun 2019 12:07

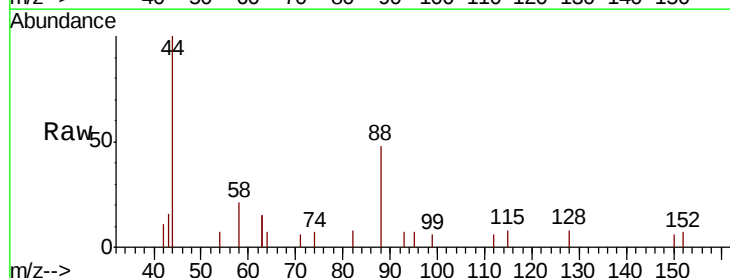
Tgt Ion: 88 Resp: 276

Ion Ratio Lower Upper

88 100

58 59.4 51.1 76.7

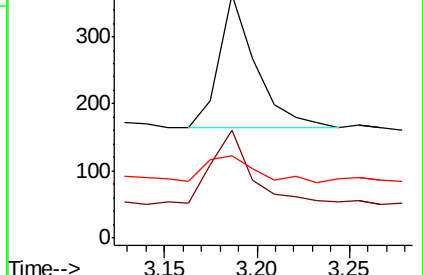
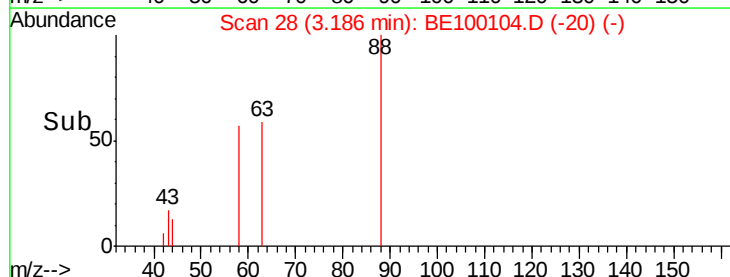
43 29.0 21.7 32.5



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: 0.463 ng

RT: 3.59 min Scan# 63

Delta R.T. -0.01 min

Lab File: BE100104.D

Acq: 20 Jun 2019 12:07

Instrument :

BNA_E

ClientSampleId :

PB120501BS

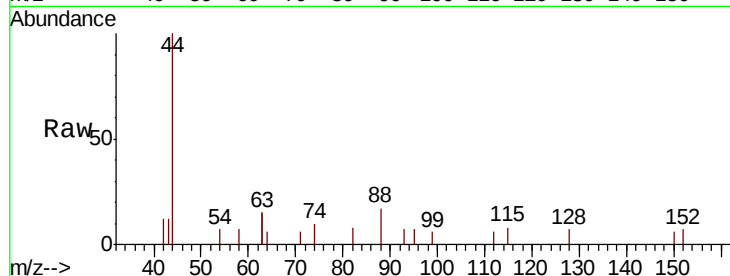
Tgt Ion: 42 Resp: 53

Ion Ratio Lower Upper

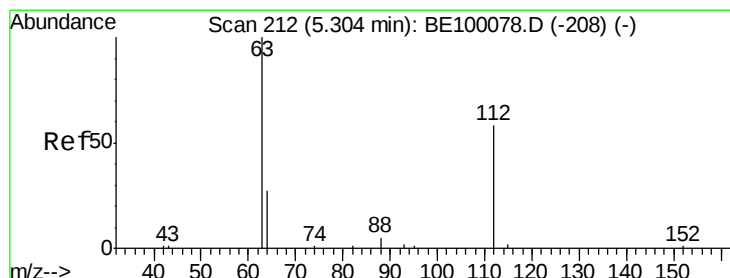
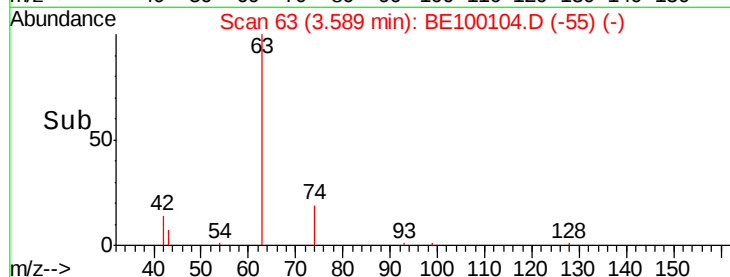
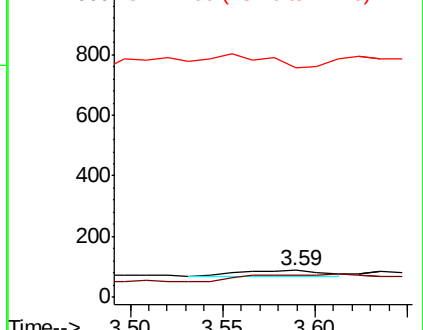
42 100

74 0.0 0.0 0.0

44 0.0 0.0 0.0



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: 0.454 ng

RT: 5.31 min Scan# 212

Delta R.T. 0.00 min

Lab File: BE100104.D

Acq: 20 Jun 2019 12:07

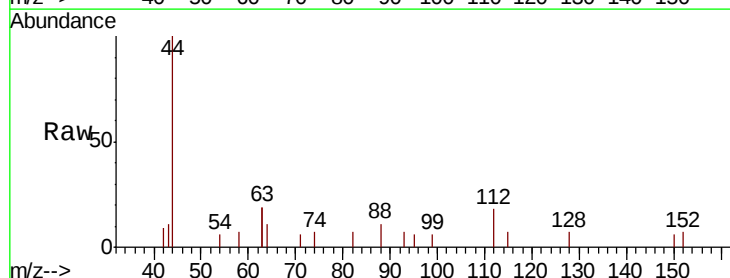
Tgt Ion: 112 Resp: 388

Ion Ratio Lower Upper

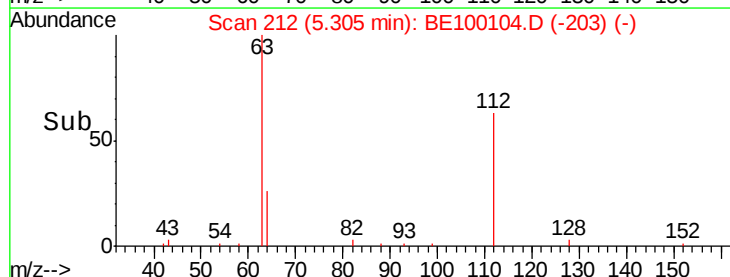
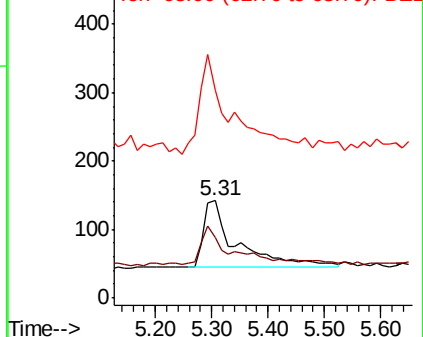
112 100

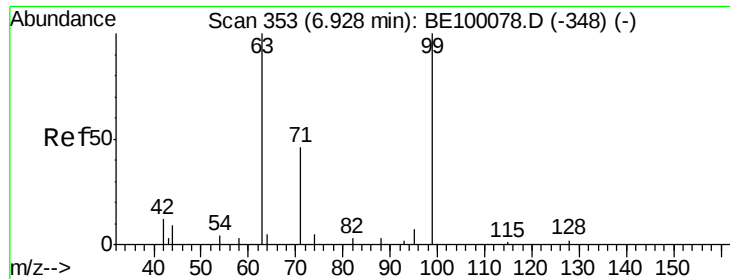
64 46.4 22.0 33.0#

63 150.3 121.8 182.6



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: 0.346 ng

RT: 6.96 min Scan# 356

Delta R.T. 0.04 min

Lab File: BE100104.D

Acq: 20 Jun 2019 12:07

Instrument :

BNA_E

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PB120501BS

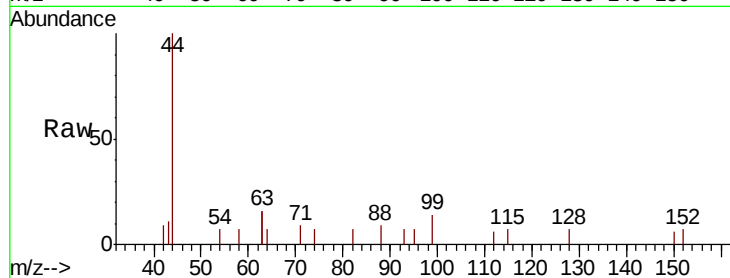
Tgt Ion: 99 Resp: 406

Ion Ratio Lower Upper

99 100

42 0.0 0.0 0.0

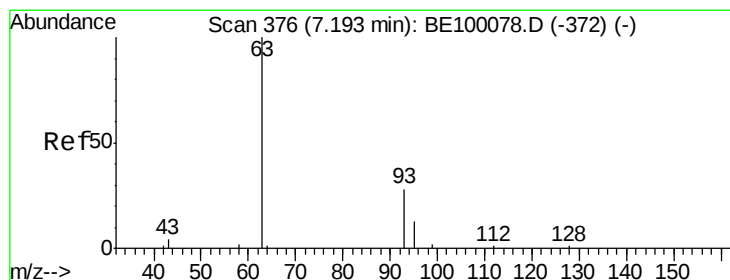
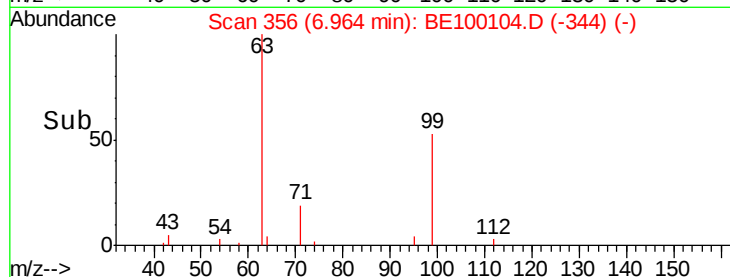
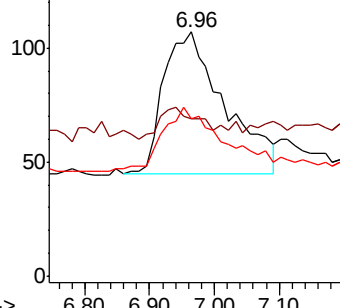
71 45.6 37.6 56.4



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: 0.389 ng

RT: 7.17 min Scan# 374

Delta R.T. -0.02 min

Lab File: BE100104.D

Acq: 20 Jun 2019 12:07

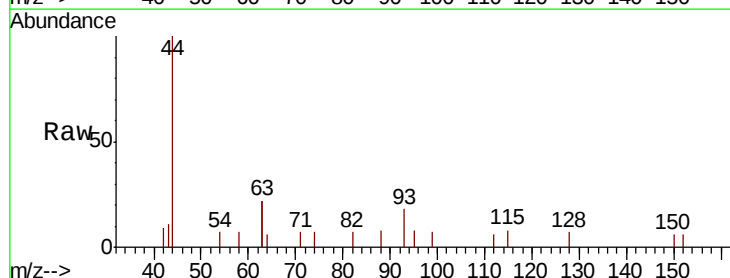
Tgt Ion: 93 Resp: 431

Ion Ratio Lower Upper

93 100

63 0.0 200.0 300.0#

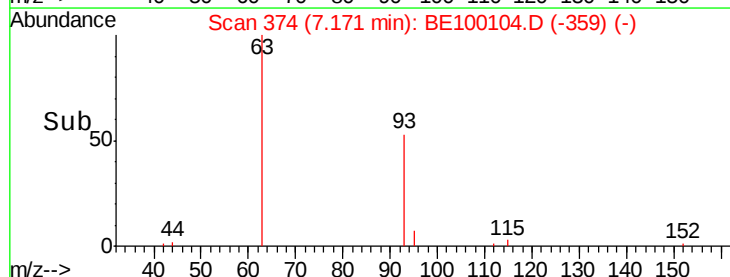
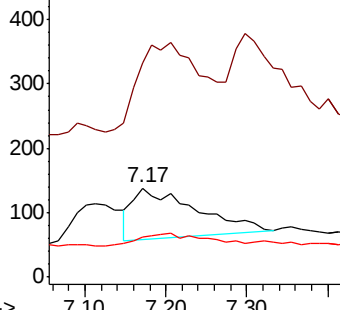
95 0.0 24.0 36.0#



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: 10.54 min Scan# 644

Delta R.T. -0.00 min

Lab File: BE100104.D

Acq: 20 Jun 2019 12:07

Instrument :

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ClientSampleId :

PB120501BS

Tgt Ion: 136 Resp: 1539

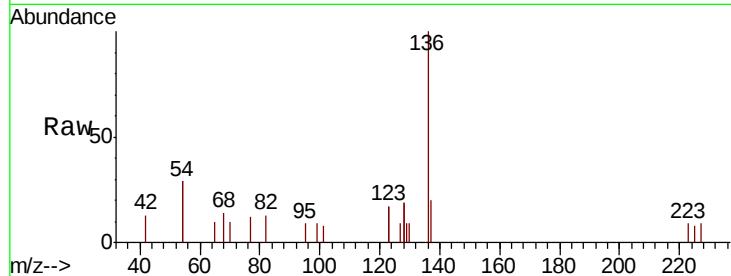
Ion Ratio Lower Upper

136 100

137 19.8 11.6 17.4#

54 57.3 33.9 50.9#

68 14.1 7.8 11.8#

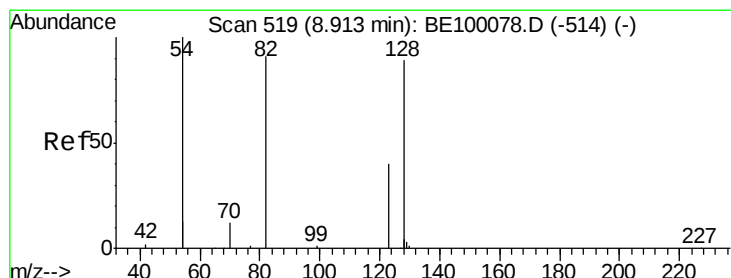
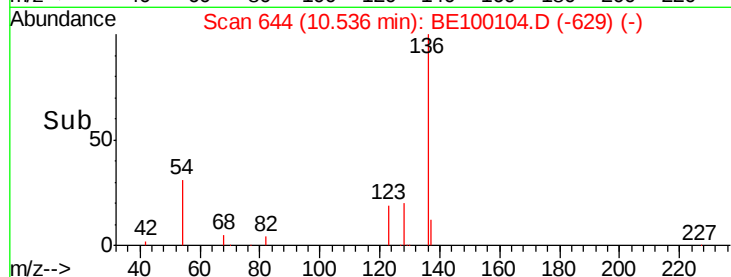
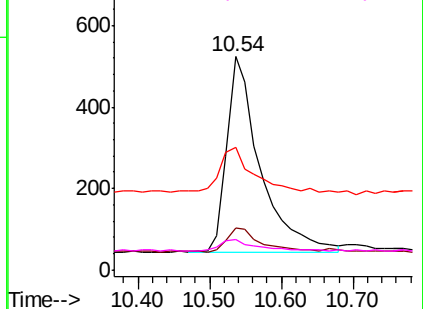


Abundance Ion 136.00 (135.70 to 136.70): E

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: 0.345 ng

RT: 8.92 min Scan# 520

Delta R.T. 0.01 min

Lab File: BE100104.D

Acq: 20 Jun 2019 12:07

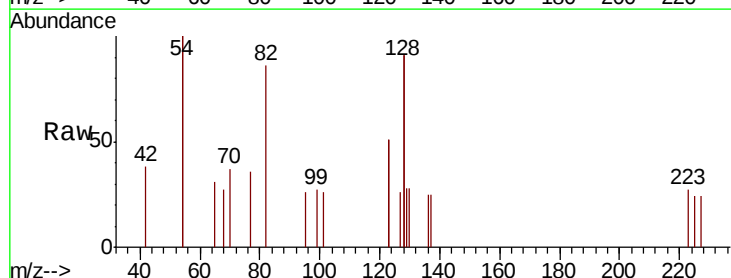
Tgt Ion: 82 Resp: 515

Ion Ratio Lower Upper

82 100

128 213.0 128.0 192.0#

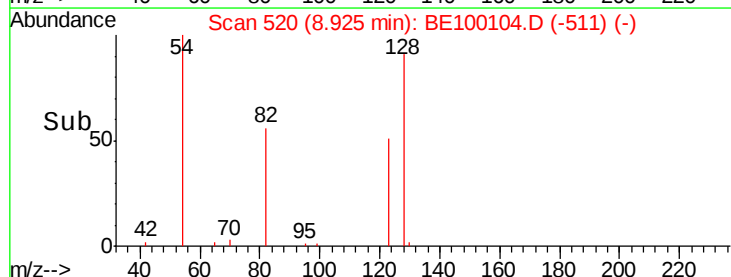
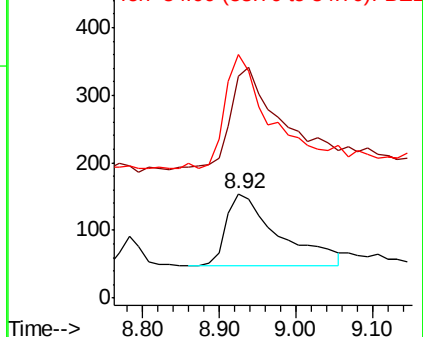
54 233.8 143.4 215.0#

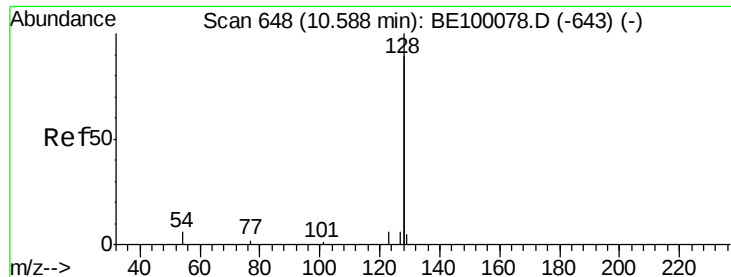


Abundance Ion 82.00 (81.70 to 82.70): BE1

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BE1





#9

Naphthalene

Concen: 0.427 ng

RT: 10.59 min Scan# 648

Delta R.T. -0.00 min

Lab File: BE100104.D

Acq: 20 Jun 2019 12:07

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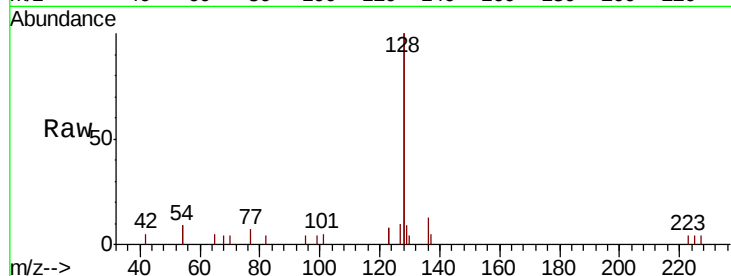
Tgt Ion:128 Resp: 7142

Ion Ratio Lower Upper

128 100

129 4.4 3.1 4.7

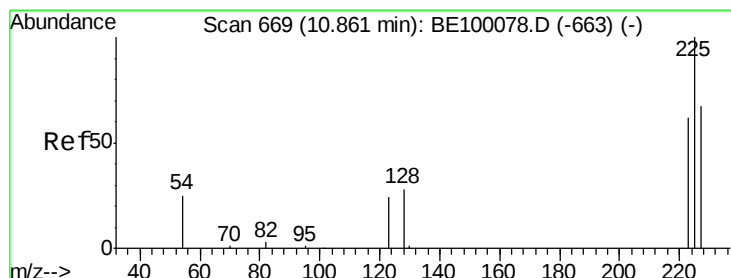
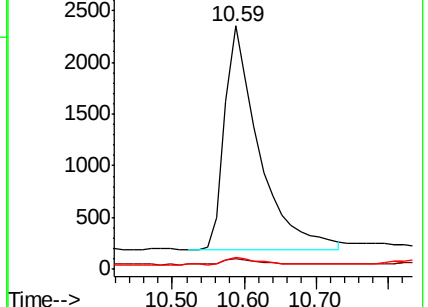
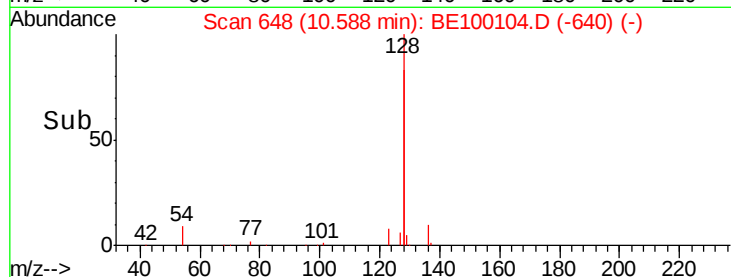
127 5.1 3.4 5.2



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: 0.384 ng

RT: 10.85 min Scan# 668

Delta R.T. -0.01 min

Lab File: BE100104.D

Acq: 20 Jun 2019 12:07

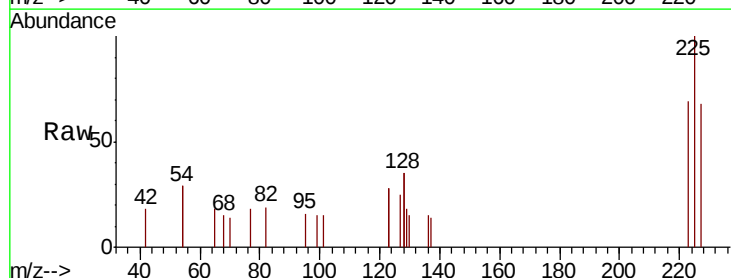
Tgt Ion:225 Resp: 631

Ion Ratio Lower Upper

225 100

223 64.3 52.2 78.4

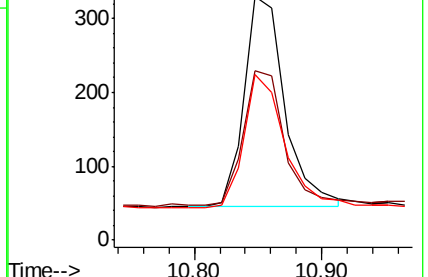
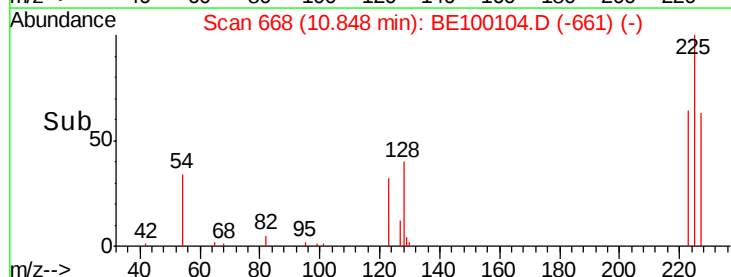
227 63.4 53.0 79.6

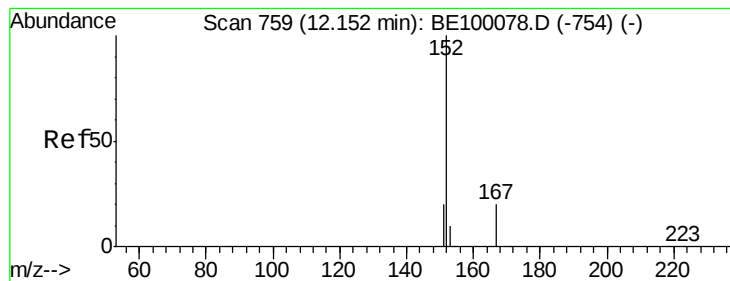


Abundance Ion 225.00 (224.70 to 225.70): E

Ion 223.00 (222.70 to 223.70): E

Ion 227.00 (226.70 to 227.70): E





#11

2-Methylnaphthalene-d10

Concen: 0.426 ng

RT: 12.15 min Scan# 759

Delta R.T. -0.00 min

Lab File: BE100104.D

Acq: 20 Jun 2019 12:07

Instrument :

BNA_E

ClientSampleId :

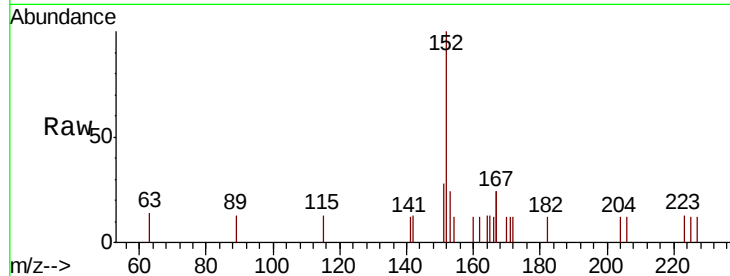
PB120501BS

Tgt Ion:152 Resp: 1247

Ion Ratio Lower Upper

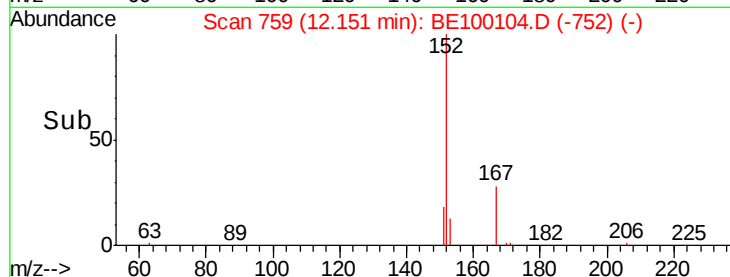
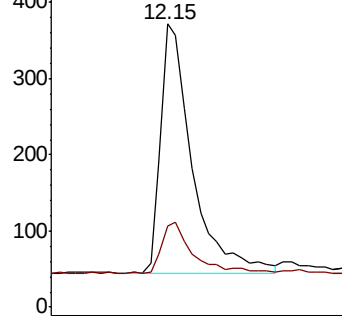
152 100

151 19.8 16.3 24.5

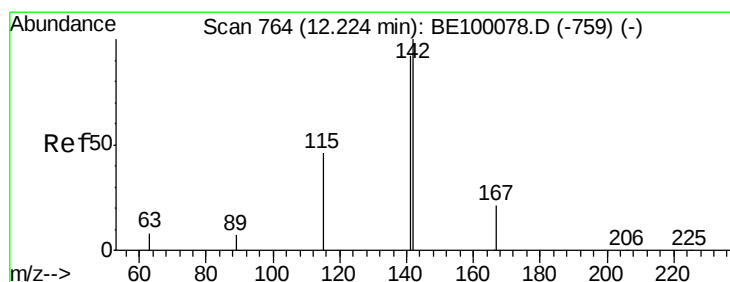


Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E



Time-->



#12

2-Methylnaphthalene

Concen: 0.428 ng

RT: 12.24 min Scan# 765

Delta R.T. 0.01 min

Lab File: BE100104.D

Acq: 20 Jun 2019 12:07

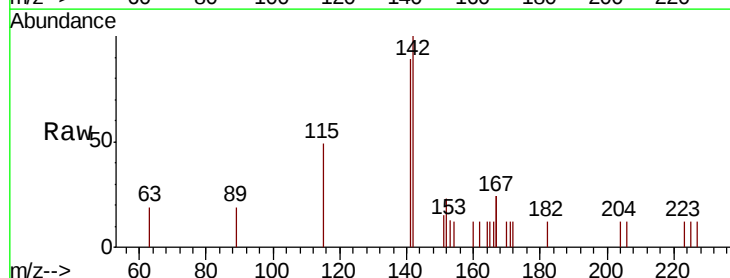
Tgt Ion:142 Resp: 1177

Ion Ratio Lower Upper

142 100

141 88.7 74.1 111.1

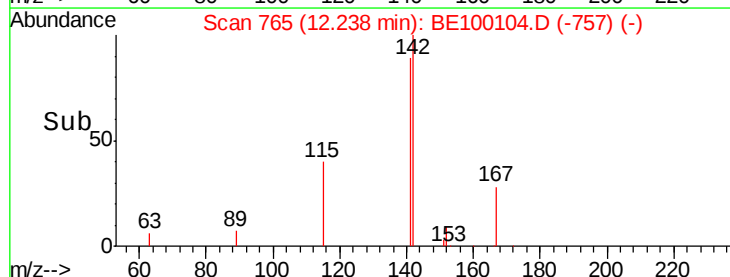
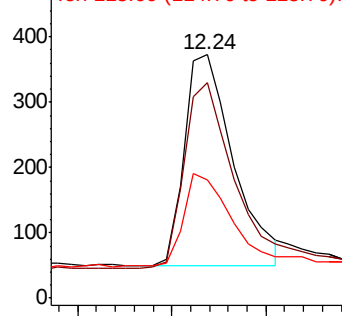
115 48.5 40.9 61.3



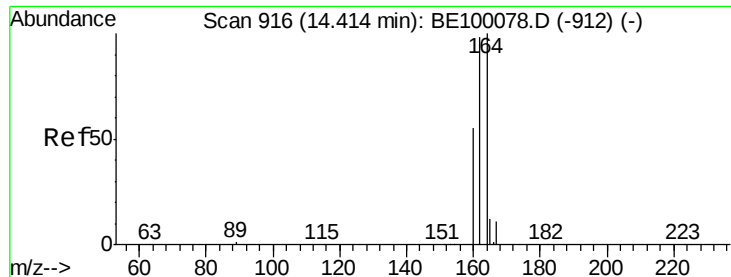
Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 115.00 (114.70 to 115.70): E



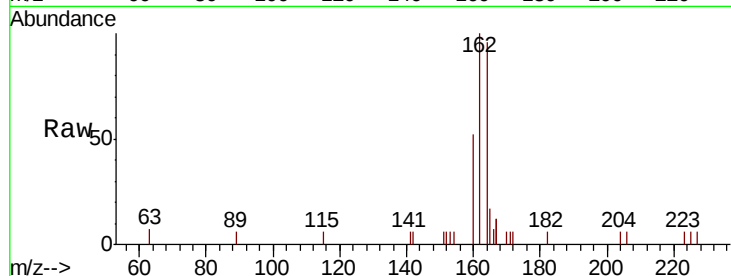
Time-->



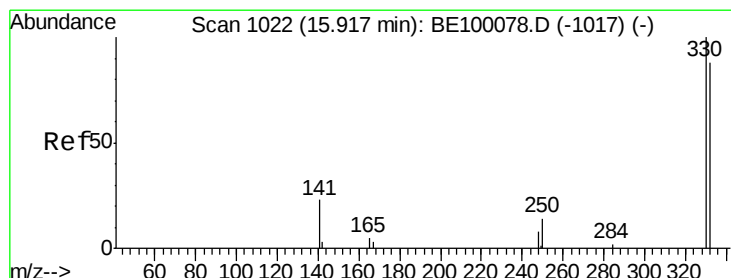
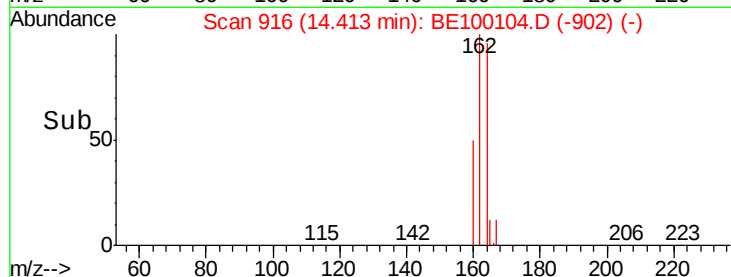
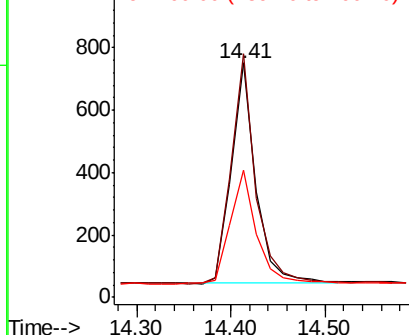
#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.41 min Scan# 916
Delta R.T. -0.00 min
Lab File: BE100104.D
Acq: 20 Jun 2019 12:07

Instrument :
BNA_E
ClientSampleId :
PB120501BS

Tgt Ion:164 Resp: 1270
Ion Ratio Lower Upper
164 100
162 103.9 78.2 117.2
160 54.4 45.6 68.4

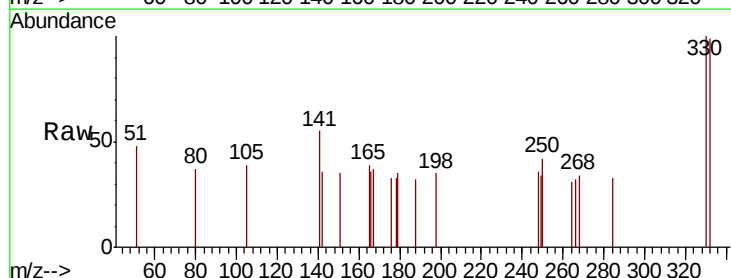


Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

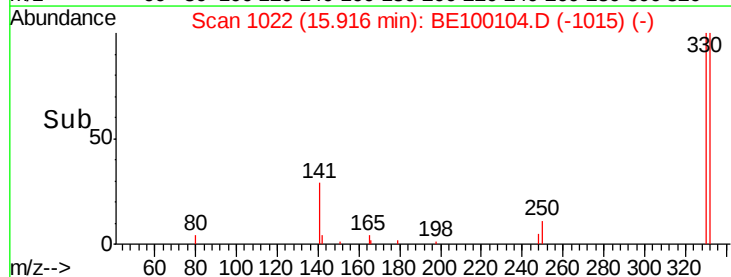
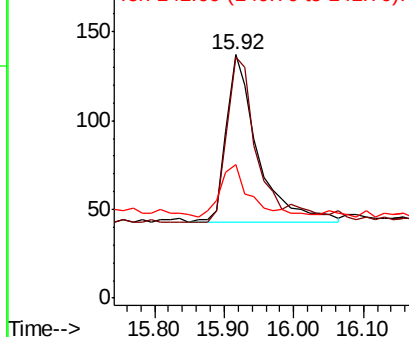


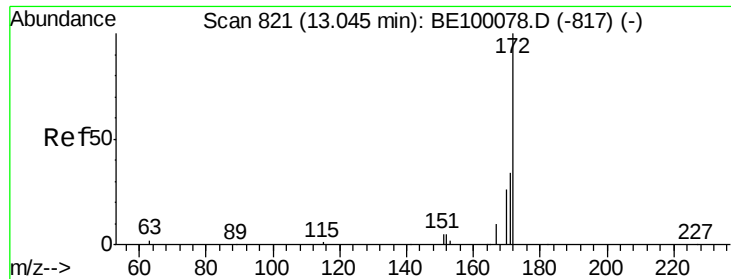
#14
2,4,6-Tribromophenol
Concen: 0.416 ng
RT: 15.92 min Scan# 1022
Delta R.T. -0.00 min
Lab File: BE100104.D
Acq: 20 Jun 2019 12:07

Tgt Ion:330 Resp: 292
Ion Ratio Lower Upper
330 100
332 100.3 73.3 109.9
141 29.5 22.2 33.2



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

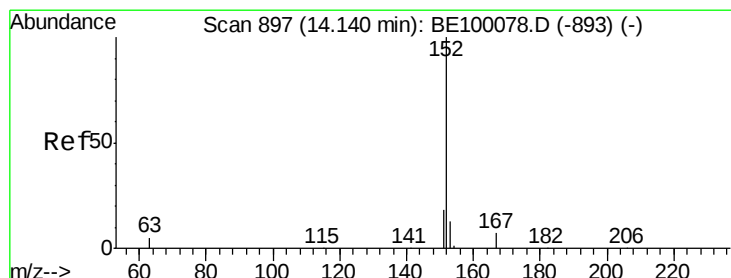
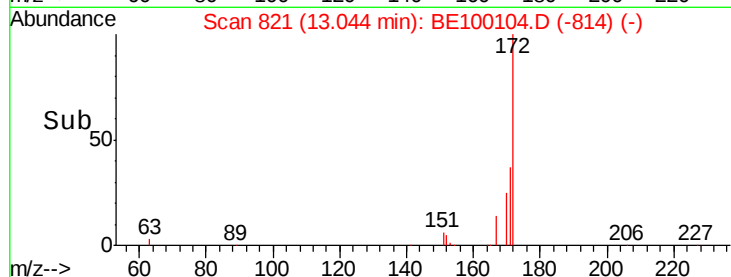
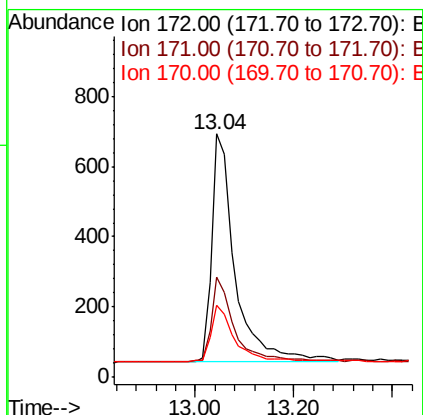
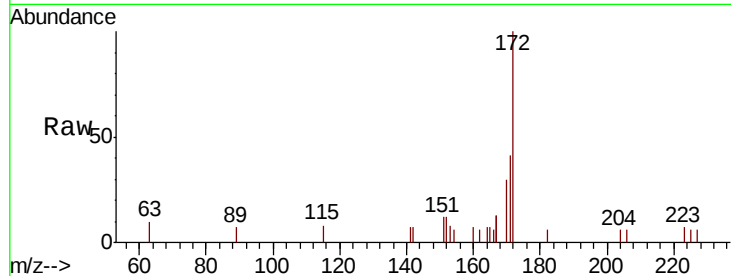




#15
2-Fluorobiphenyl
Concen: 0.418 ng
RT: 13.04 min Scan# 821
Delta R.T. -0.00 min
Lab File: BE100104.D
Acq: 20 Jun 2019 12:07

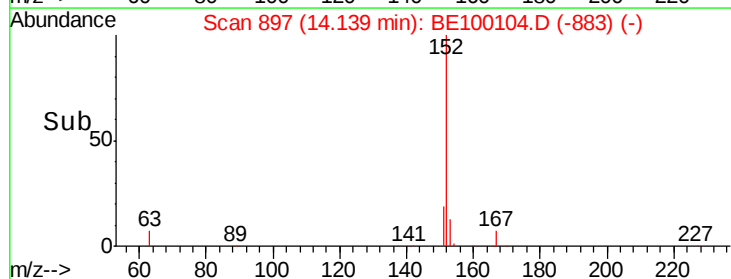
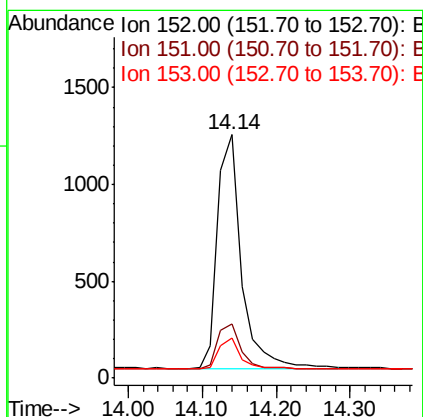
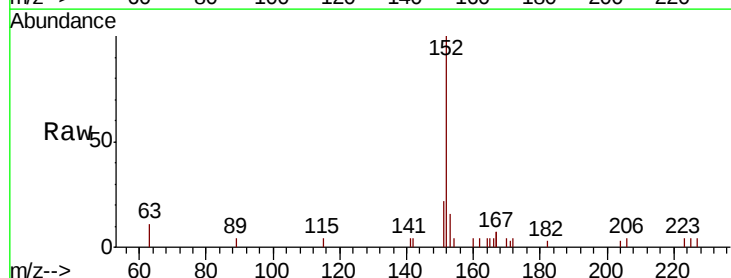
Instrument :
BNA_E
ClientSampleId :
PB120501BS

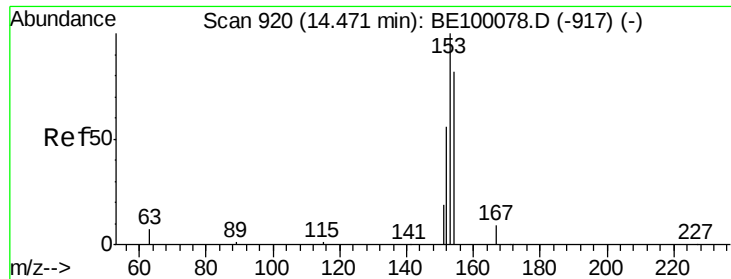
Tgt Ion:172 Resp: 2086
Ion Ratio Lower Upper
172 100
171 41.1 29.8 44.8
170 29.6 23.2 34.8



#16
Acenaphthylene
Concen: 0.457 ng
RT: 14.14 min Scan# 897
Delta R.T. -0.00 min
Lab File: BE100104.D
Acq: 20 Jun 2019 12:07

Tgt Ion:152 Resp: 2754
Ion Ratio Lower Upper
152 100
151 19.6 15.9 23.9
153 13.0 10.1 15.1





#17

Acenaphthene

Concen: 0.428 ng

RT: 14.47 min Scan# 920

Delta R.T. -0.00 min

Lab File: BE100104.D

Acq: 20 Jun 2019 12:07

Instrument :

BNA_E

ClientSampleId :

PB120501BS

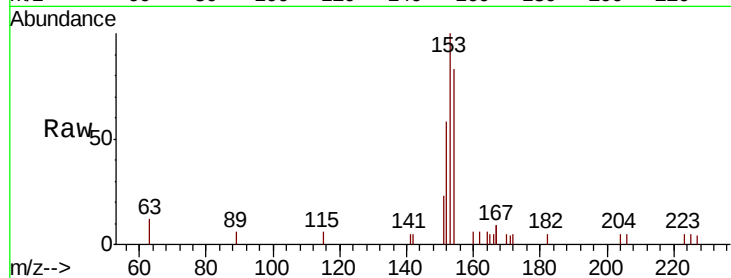
Tgt Ion:154 Resp: 1444

Ion Ratio Lower Upper

154 100

153 118.8 95.5 143.3

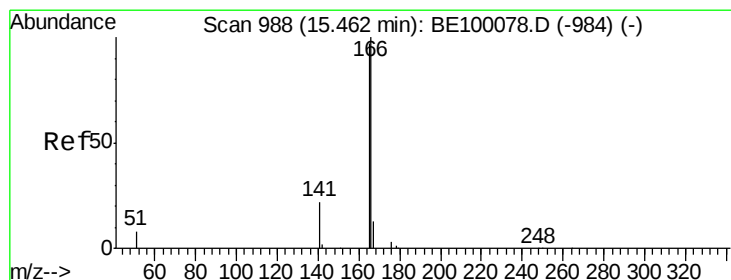
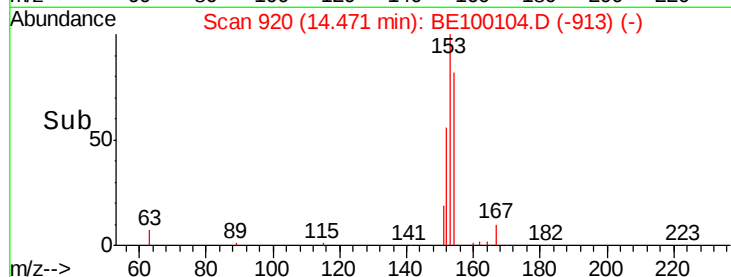
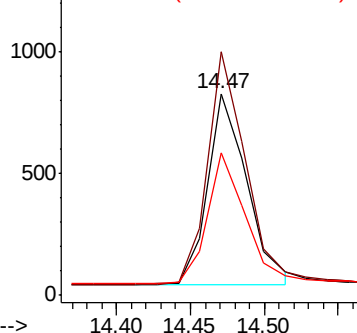
152 66.4 54.9 82.3



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: 0.461 ng

RT: 15.46 min Scan# 988

Delta R.T. -0.00 min

Lab File: BE100104.D

Acq: 20 Jun 2019 12:07

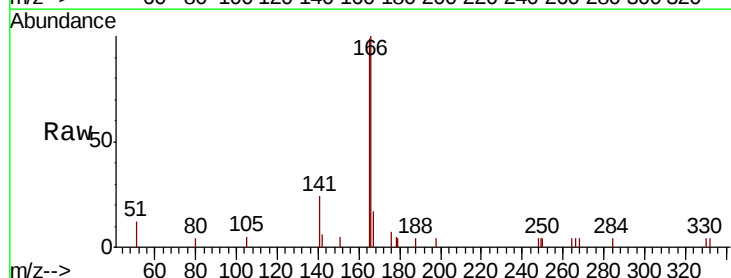
Tgt Ion:166 Resp: 2312

Ion Ratio Lower Upper

166 100

165 101.6 79.8 119.8

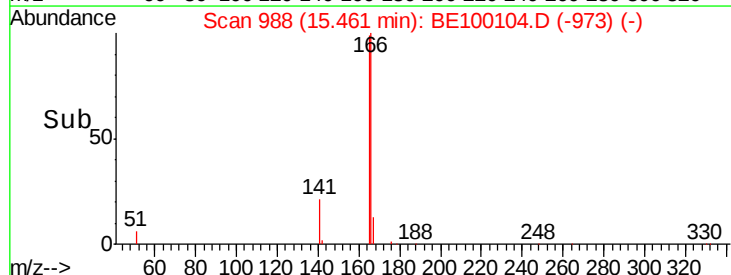
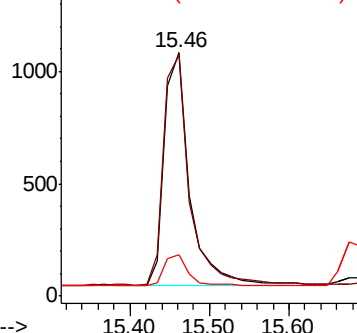
167 13.0 10.2 15.4

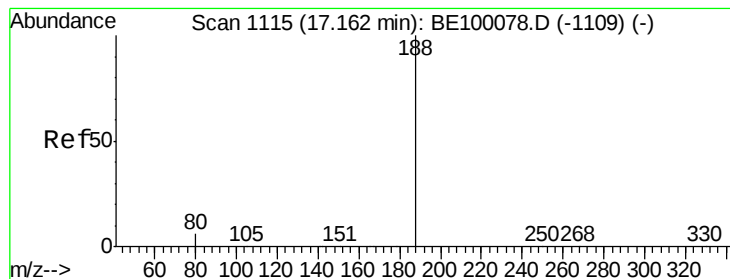


Abundance Ion 166.00 (165.70 to 166.70): E

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: 17.16 min Scan# 1115

Delta R.T. -0.00 min

Lab File: BE100104.D

Acq: 20 Jun 2019 12:07

Instrument :

BNA_E

ClientSampleId :

PB120501BS

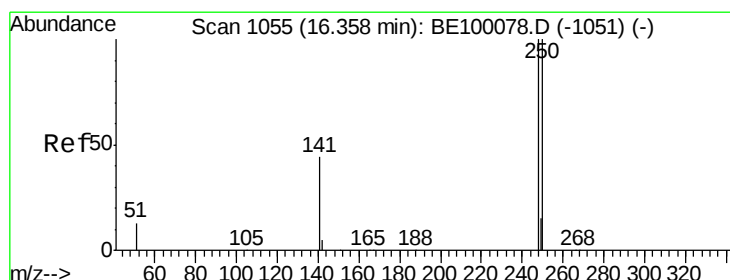
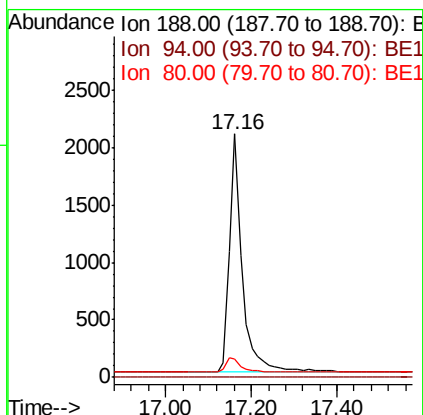
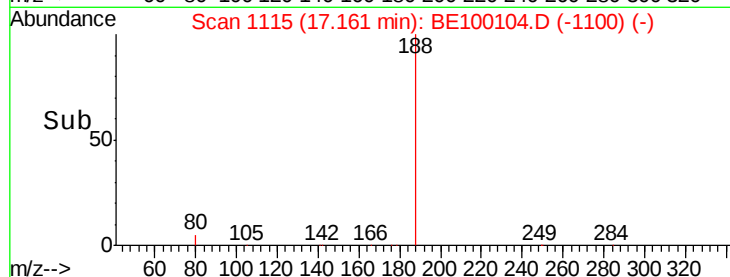
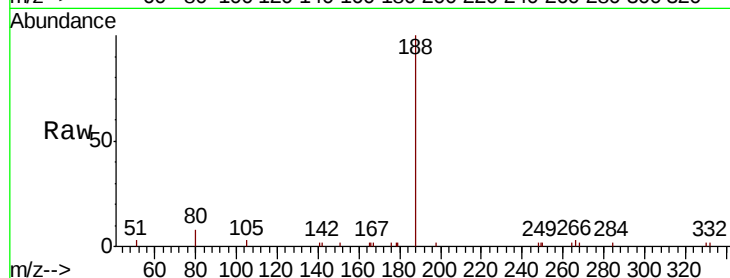
Tgt Ion:188 Resp: 4341

Ion Ratio Lower Upper

188 100

94 0.0 0.0 0.0

80 7.6 6.3 9.5



#20

4-Bromophenyl-phenylether

Concen: 0.405 ng

RT: 16.36 min Scan# 1055

Delta R.T. -0.00 min

Lab File: BE100104.D

Acq: 20 Jun 2019 12:07

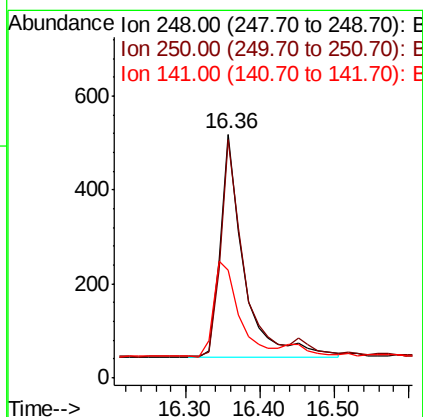
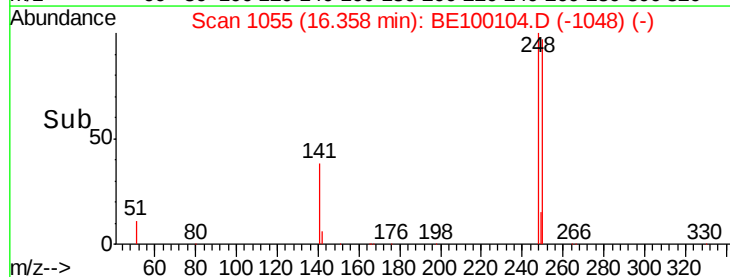
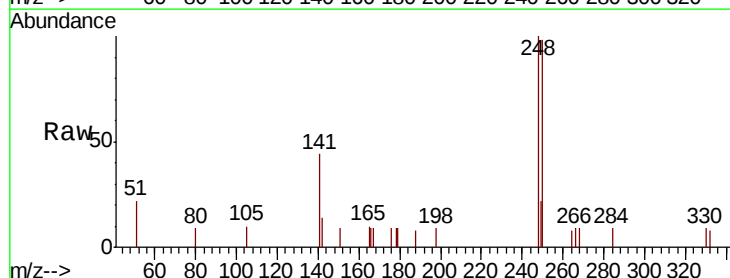
Tgt Ion:248 Resp: 1045

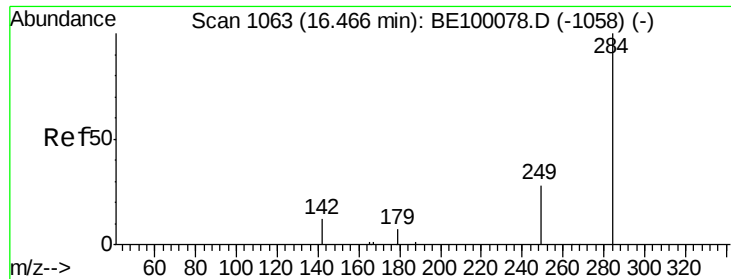
Ion Ratio Lower Upper

248 100

250 98.1 80.6 120.8

141 44.0 38.8 58.2

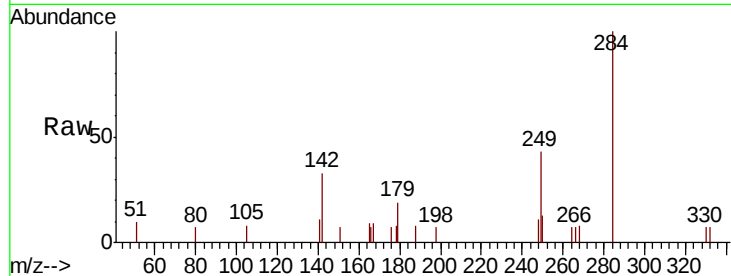




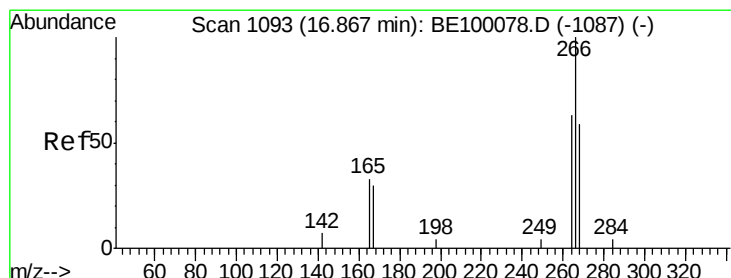
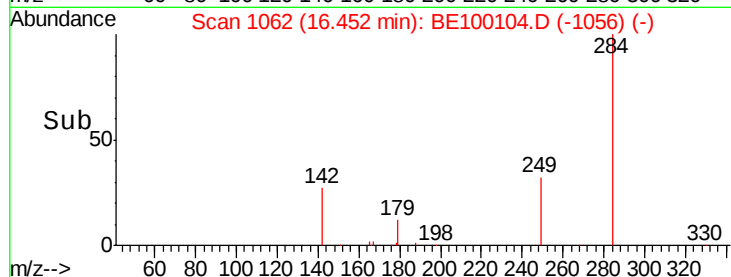
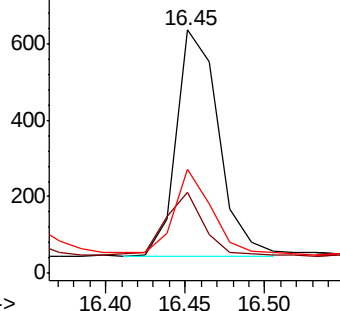
#21
Hexachlorobenzene
Concen: 0.385 ng
RT: 16.45 min Scan# 1062
Delta R.T. -0.01 min
Lab File: BE100104.D
Acq: 20 Jun 2019 12:07

Instrument :
BNA_E
ClientSampleId :
PB120501BS

Tgt Ion: 284 Resp: 1097
Ion Ratio Lower Upper
284 100
142 24.7 20.7 31.1
249 31.1 26.6 39.8

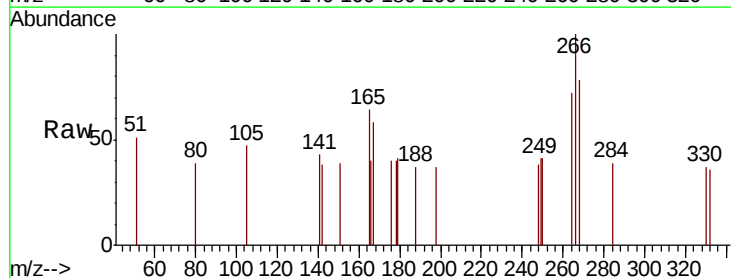


Abundance Ion 283.80 (283.50 to 284.50): E
Ion 142.00 (141.70 to 142.70): E
Ion 249.00 (248.70 to 249.70): E

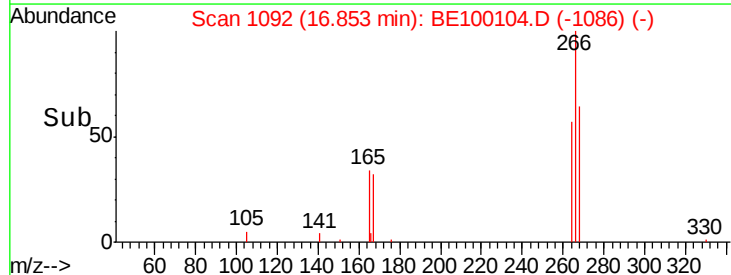
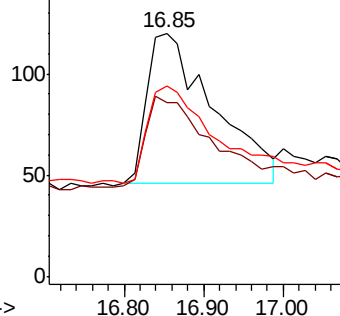


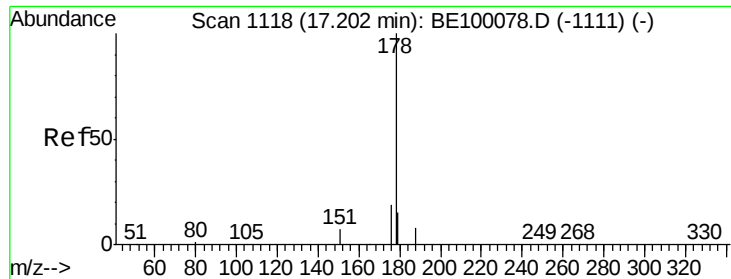
#22
Pentachlorophenol
Concen: 0.708 ng
RT: 16.85 min Scan# 1092
Delta R.T. -0.01 min
Lab File: BE100104.D
Acq: 20 Jun 2019 12:07

Tgt Ion: 266 Resp: 431
Ion Ratio Lower Upper
266 100
264 71.7 67.8 101.6
268 78.3 70.0 105.0



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: 0.425 ng

RT: 17.20 min Scan# 1118

Delta R.T. -0.00 min

Lab File: BE100104.D

Acq: 20 Jun 2019 12:07

Instrument :

BNA_E

ClientSampleId :

PB120501BS

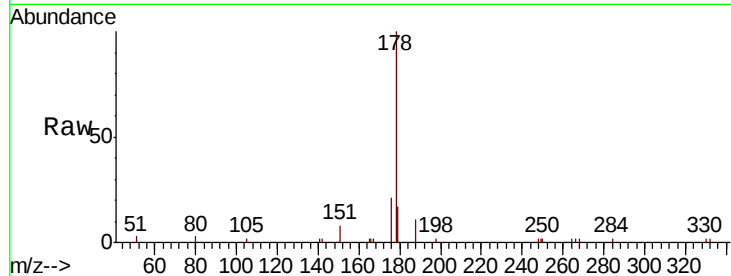
Tgt Ion:178 Resp: 4418

Ion Ratio Lower Upper

178 100

176 20.0 15.9 23.9

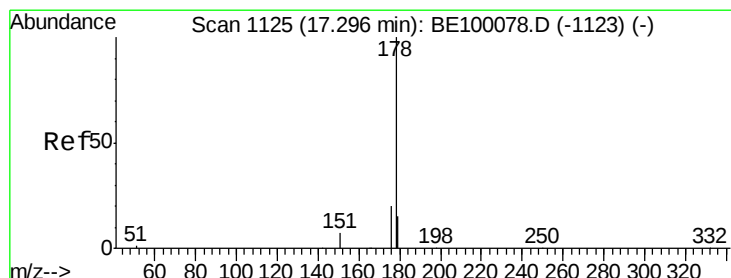
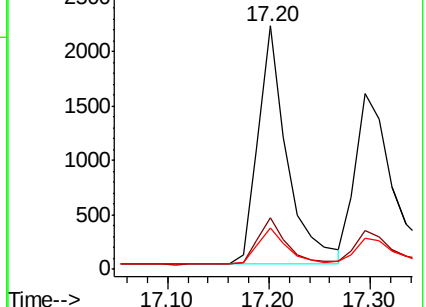
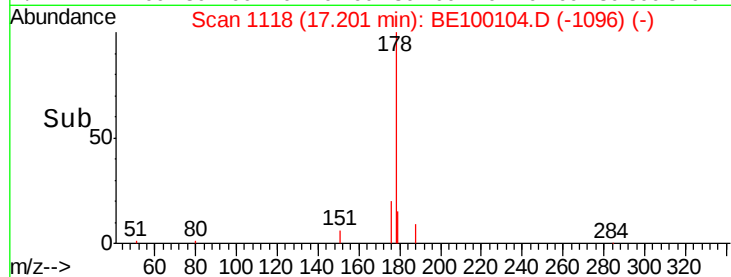
179 15.1 13.1 19.7



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: 0.408 ng

RT: 17.29 min Scan# 1125

Delta R.T. -0.00 min

Lab File: BE100104.D

Acq: 20 Jun 2019 12:07

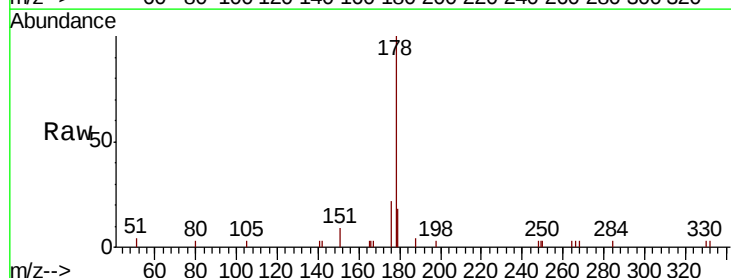
Tgt Ion:178 Resp: 3576

Ion Ratio Lower Upper

178 100

176 19.1 15.8 23.6

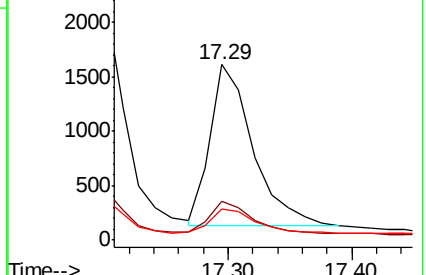
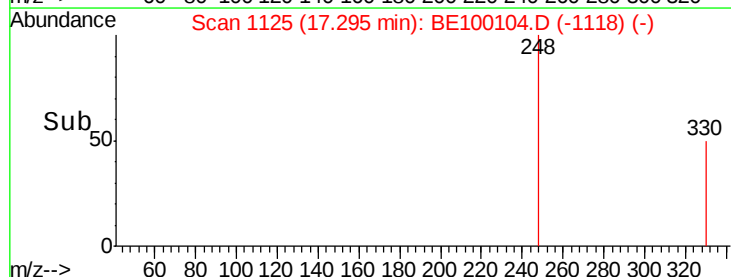
179 16.0 12.0 18.0

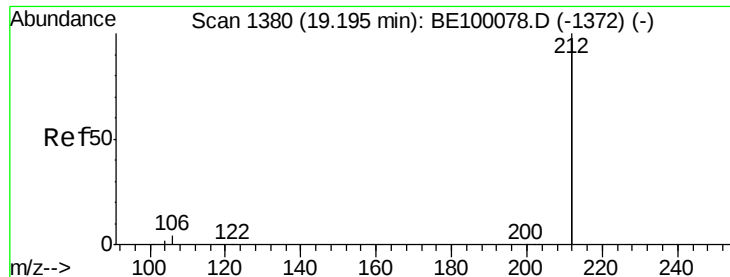


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#25

Fluoranthene-d10

Concen: 0.419 ng

RT: 19.20 min Scan# 1380

Delta R.T. 0.00 min

Lab File: BE100104.D

Acq: 20 Jun 2019 12:07

Instrument :

BNA_E

ClientSampleId :

PB120501BS

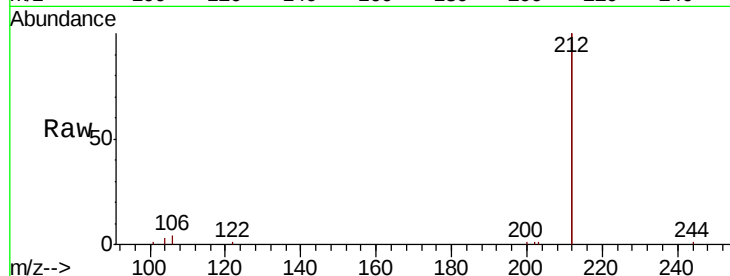
Tgt Ion:212 Resp: 26013

Ion Ratio Lower Upper

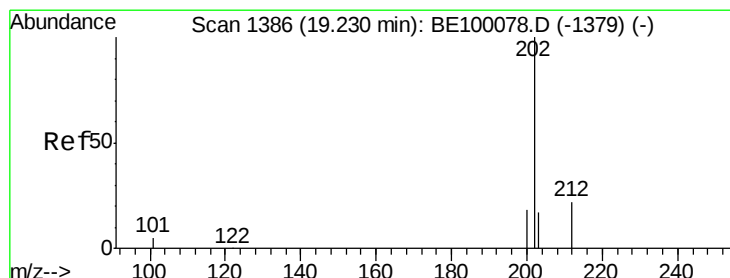
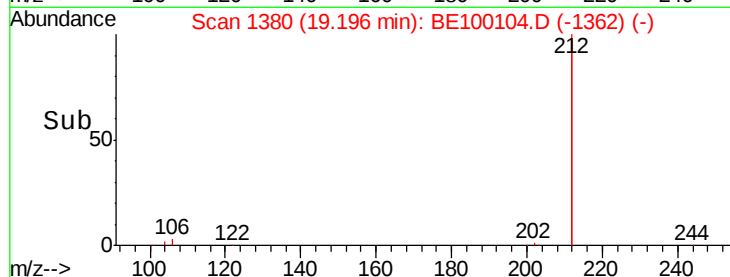
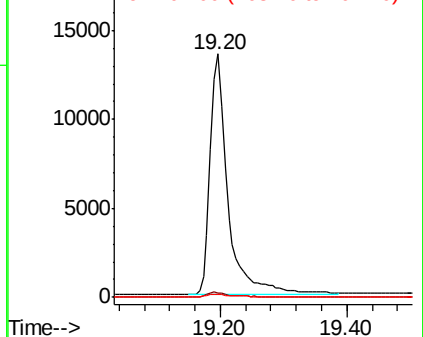
212 100

106 1.6 1.4 2.0

104 1.0 0.8 1.2



Abundance Ion 212.00 (211.70 to 212.70): E
Ion 106.00 (105.70 to 106.70): E
Ion 104.00 (103.70 to 104.70): E



#26

Fluoranthene

Concen: 0.445 ng

RT: 19.22 min Scan# 1385

Delta R.T. -0.01 min

Lab File: BE100104.D

Acq: 20 Jun 2019 12:07

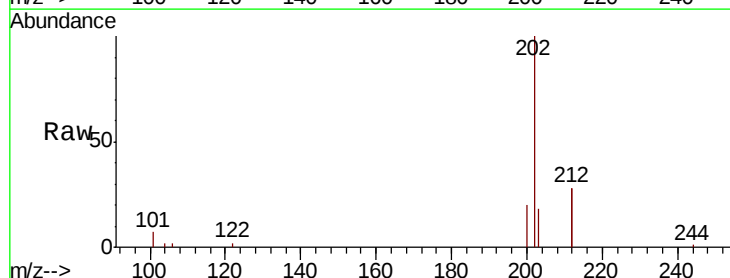
Tgt Ion:202 Resp: 7425

Ion Ratio Lower Upper

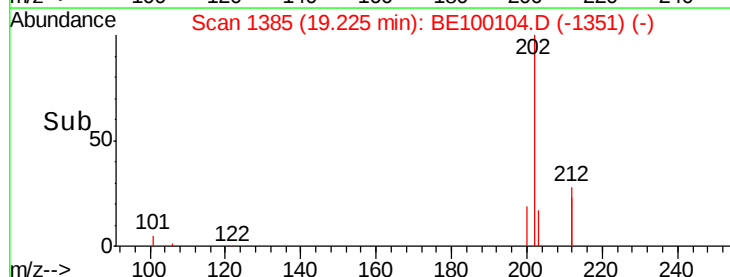
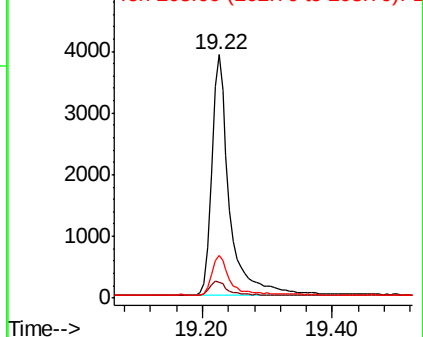
202 100

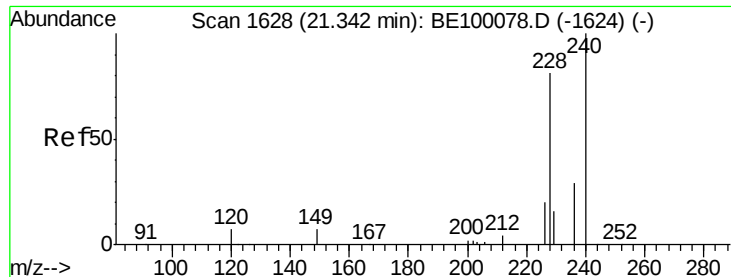
101 6.0 5.0 7.4

203 16.6 13.7 20.5



Abundance Ion 202.00 (201.70 to 202.70): E
Ion 101.00 (100.70 to 101.70): E
Ion 203.00 (202.70 to 203.70): E





#27

Chrysene-d12

Concen: 0.400 ng

RT: 21.34 min Scan# 1628

Delta R.T. -0.00 min

Lab File: BE100104.D

Acq: 20 Jun 2019 12:07

Instrument :

BNA_E

ClientSampleId :

PB120501BS

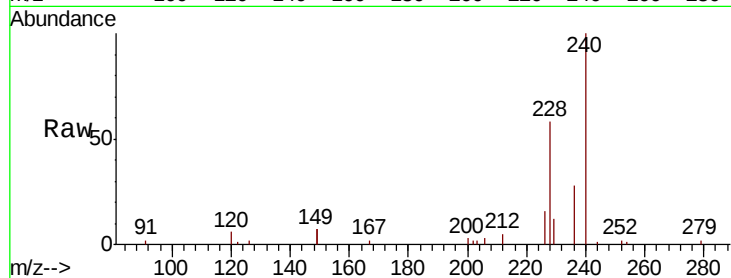
Tgt Ion:240 Resp: 7386

Ion Ratio Lower Upper

240 100

120 6.4 6.6 10.0#

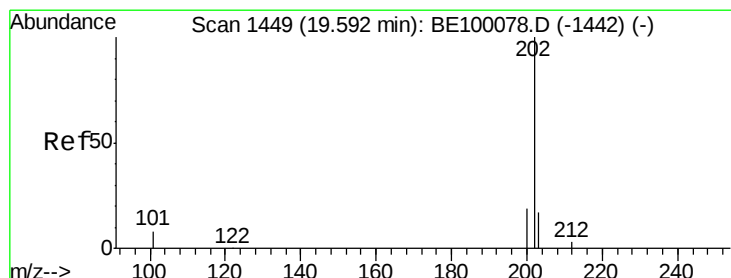
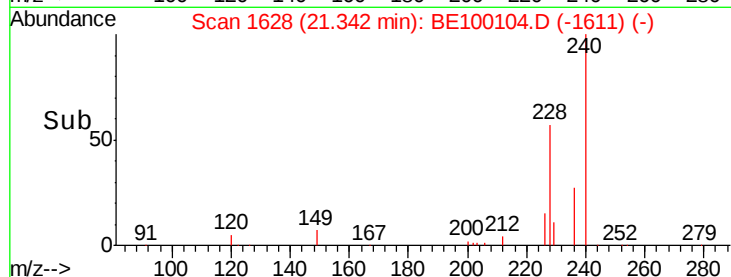
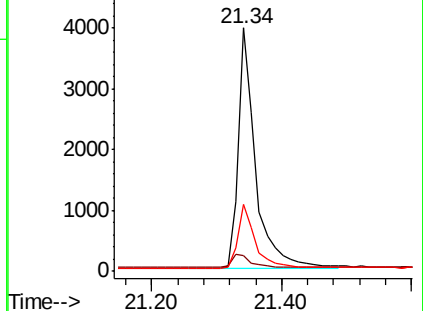
236 27.7 23.8 35.6



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: 0.403 ng

RT: 19.59 min Scan# 1448

Delta R.T. -0.01 min

Lab File: BE100104.D

Acq: 20 Jun 2019 12:07

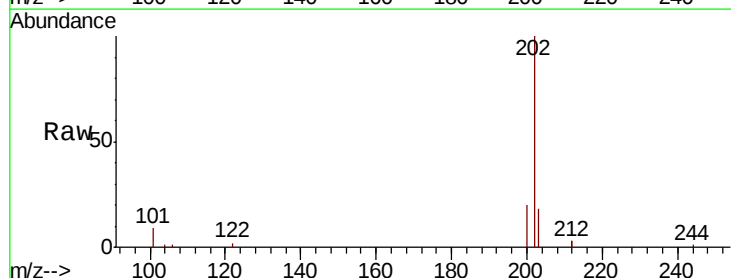
Tgt Ion:202 Resp: 7651

Ion Ratio Lower Upper

202 100

200 19.4 15.6 23.4

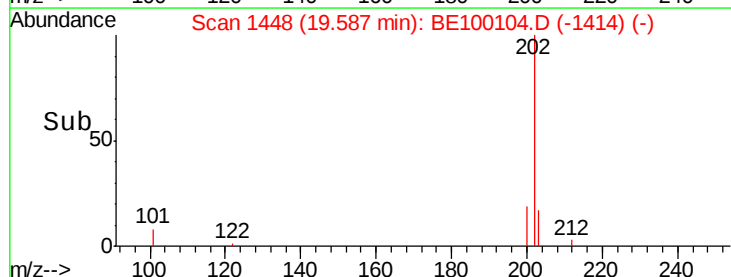
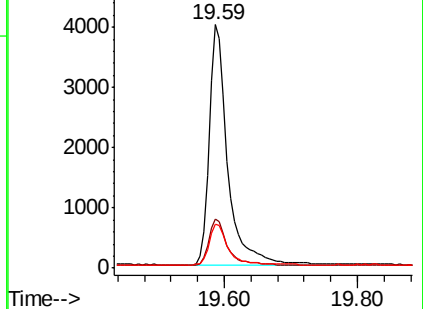
203 17.5 13.9 20.9

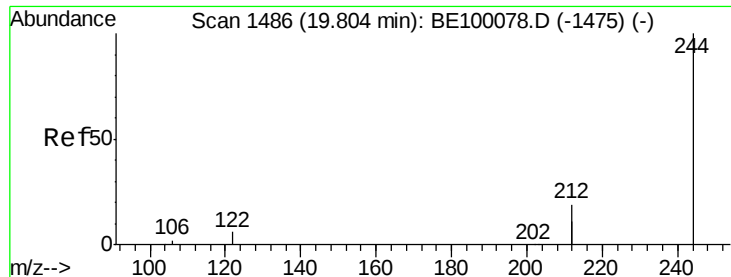


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#29

Terphenyl-d14

Concen: 0.349 ng

RT: 19.81 min Scan# 1486

Delta R.T. 0.00 min

Lab File: BE100104.D

Acq: 20 Jun 2019 12:07

Instrument :

BNA_E

ClientSampleId :

PB120501BS

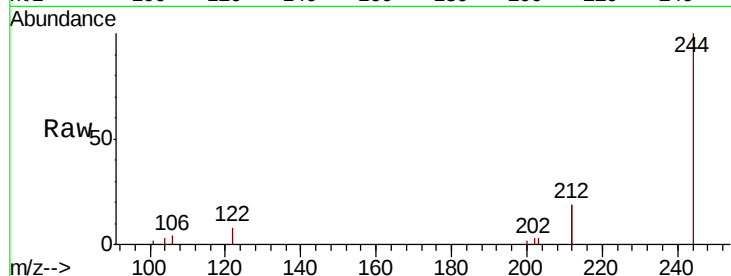
Tgt Ion:244 Resp: 5150

Ion Ratio Lower Upper

244 100

212 37.5 29.8 44.8

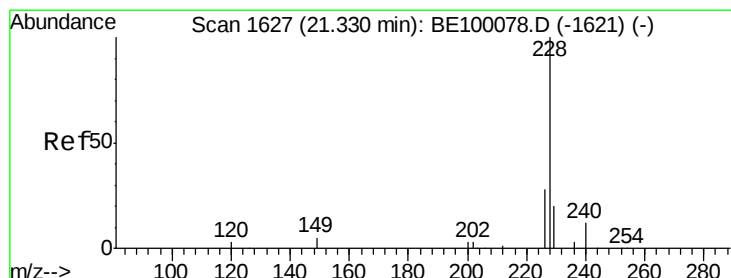
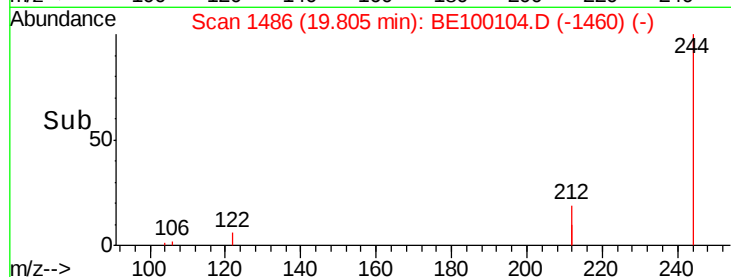
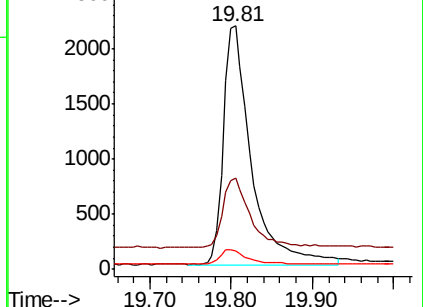
122 7.6 6.1 9.1



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: 0.378 ng

RT: 21.33 min Scan# 1627

Delta R.T. -0.00 min

Lab File: BE100104.D

Acq: 20 Jun 2019 12:07

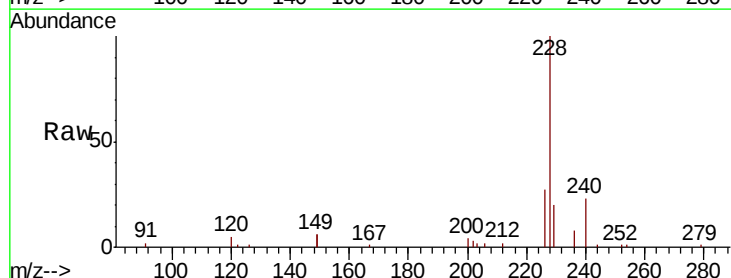
Tgt Ion:228 Resp: 8312

Ion Ratio Lower Upper

228 100

226 27.2 23.0 34.4

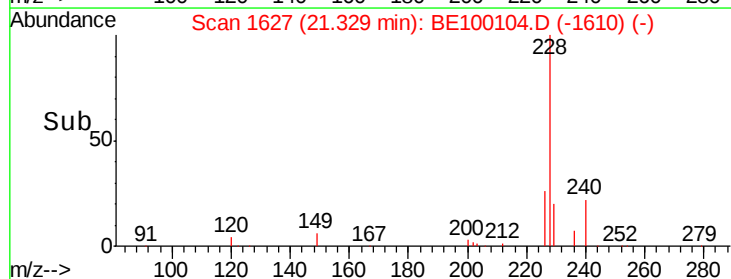
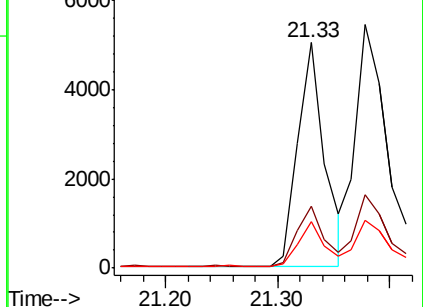
229 20.5 16.4 24.6

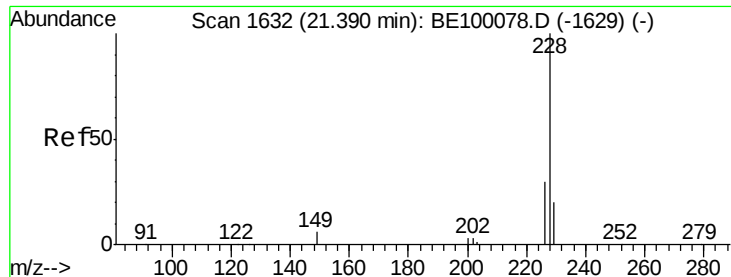


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#31

Chrysene

Concen: 0.411 ng

RT: 21.38 min Scan# 1631

Delta R.T. -0.01 min

Lab File: BE100104.D

Acq: 20 Jun 2019 12:07

Instrument :

BNA_E

ClientSampleId :

PB120501BS

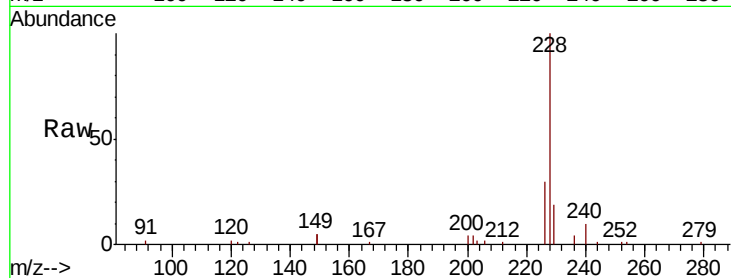
Tgt Ion:228 Resp: 10495

Ion Ratio Lower Upper

228 100

226 30.3 23.8 35.8

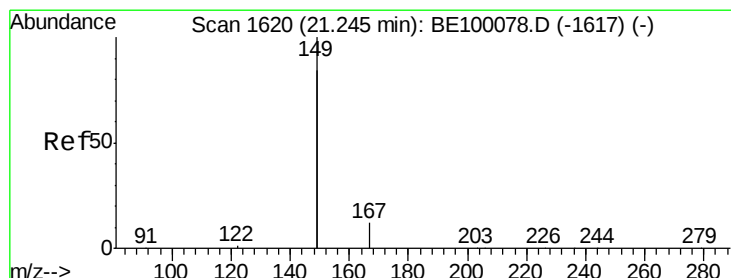
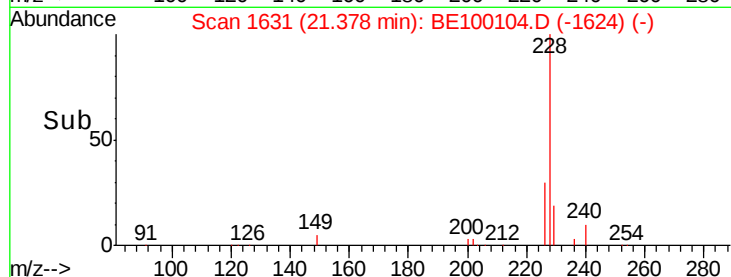
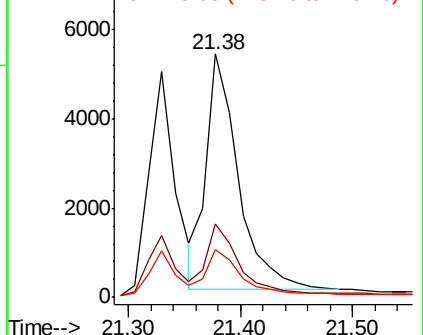
229 19.4 16.3 24.5



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: 0.473 ng

RT: 21.24 min Scan# 1620

Delta R.T. -0.00 min

Lab File: BE100104.D

Acq: 20 Jun 2019 12:07

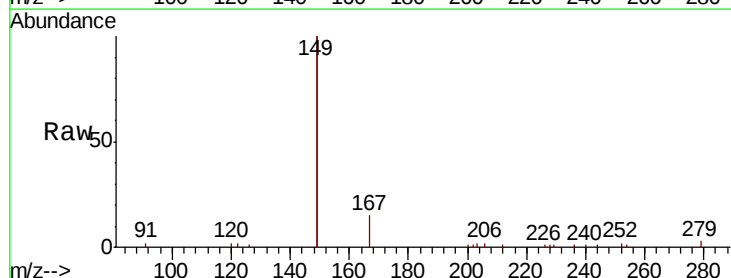
Tgt Ion:149 Resp: 9803

Ion Ratio Lower Upper

149 100

167 7.0 5.8 8.6

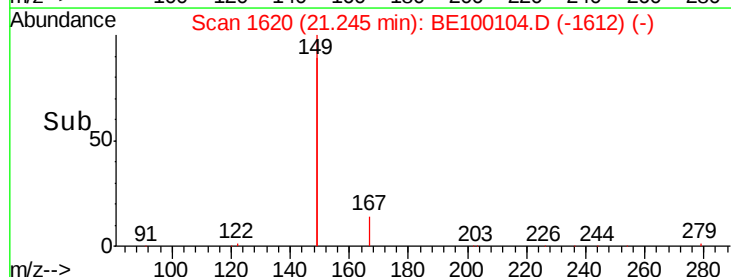
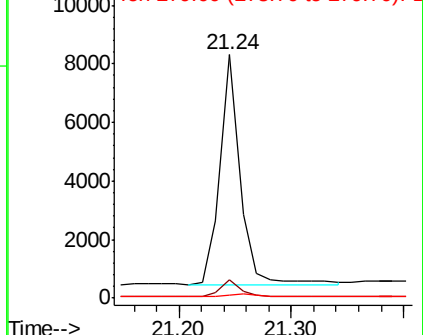
279 1.4 1.1 1.7

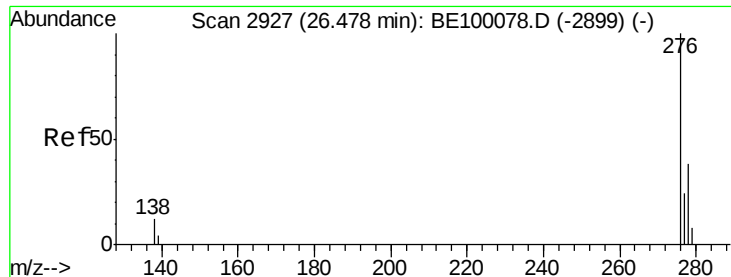


Abundance Ion 149.00 (148.70 to 149.70): E

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: 0.410 ng

RT: 26.47 min Scan# 2925

Delta R.T. -0.01 min

Lab File: BE100104.D

Acq: 20 Jun 2019 12:07

Instrument :

BNA_E

ClientSampleId :

PB120501BS

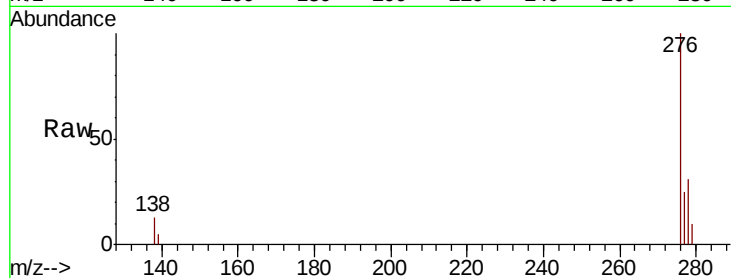
Tgt Ion:276 Resp: 11787

Ion Ratio Lower Upper

276 100

138 13.2 4.3 6.5#

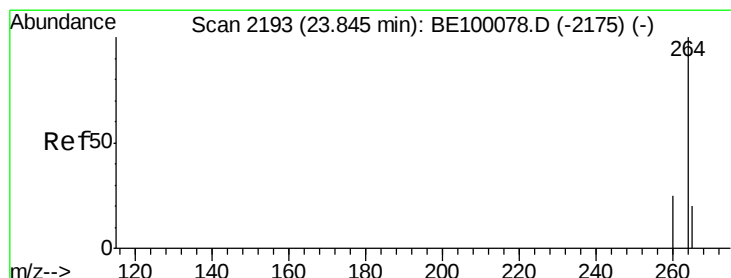
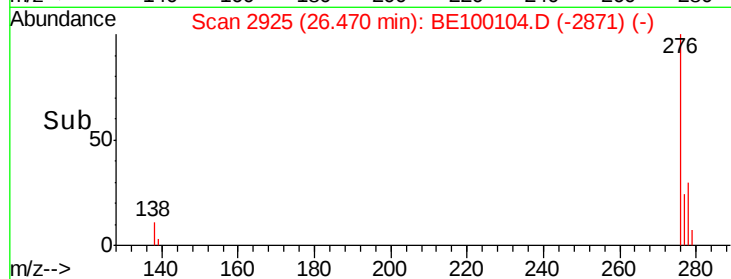
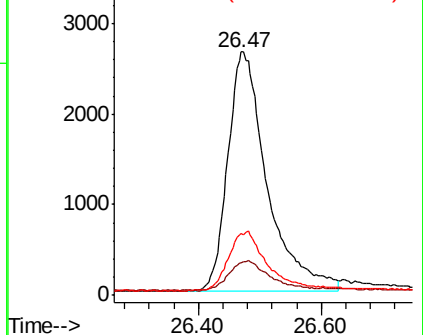
277 24.3 19.4 29.0



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: 23.84 min Scan# 2191

Delta R.T. -0.01 min

Lab File: BE100104.D

Acq: 20 Jun 2019 12:07

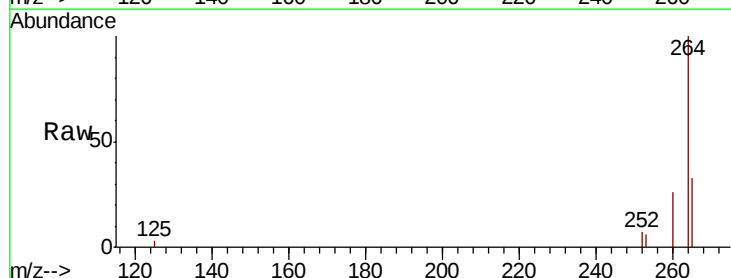
Tgt Ion:264 Resp: 8166

Ion Ratio Lower Upper

264 100

260 26.1 20.8 31.2

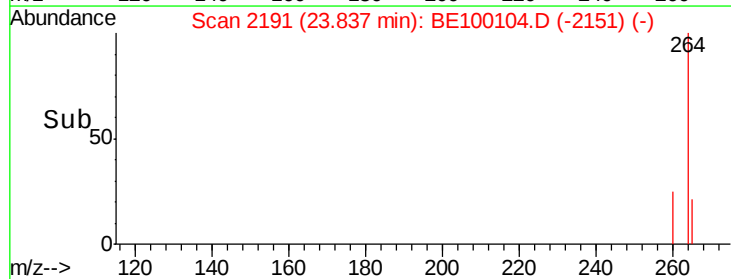
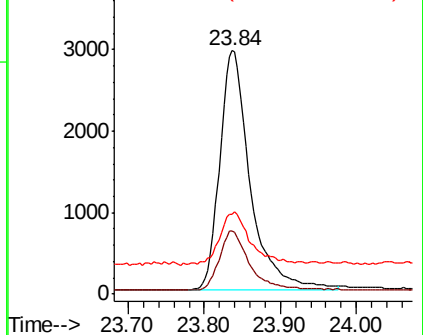
265 32.6 23.2 34.8

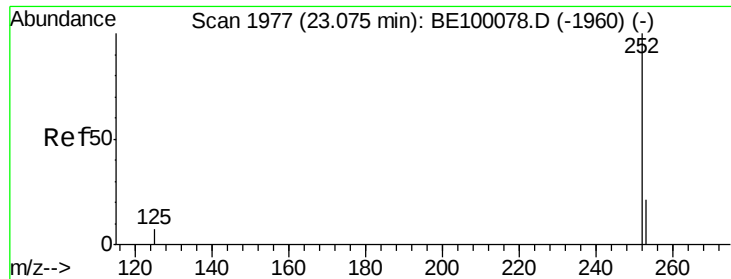


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E





#35

Benzo(b)fluoranthene

Concen: 0.379 ng

RT: 23.07 min Scan# 1975

Delta R.T. -0.01 min

Lab File: BE100104.D

Acq: 20 Jun 2019 12:07

Instrument :

BNA_E

ClientSampleId :

PB120501BS

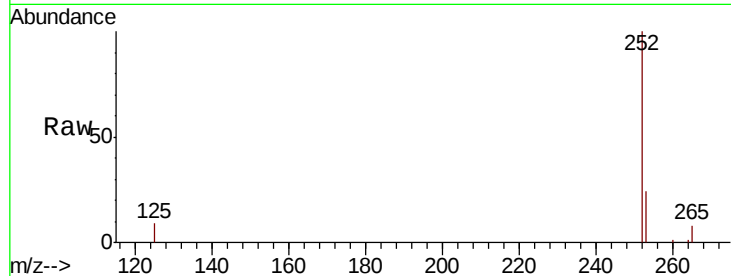
Tgt Ion:252 Resp: 9090

Ion Ratio Lower Upper

252 100

253 23.9 18.4 27.6

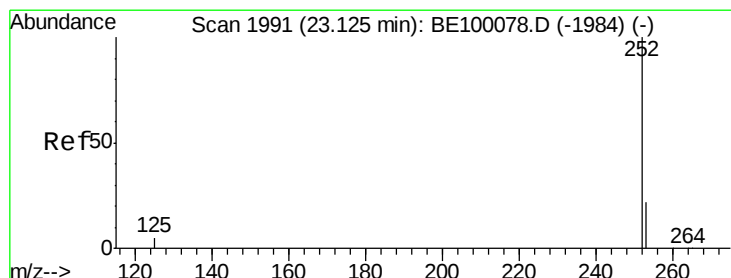
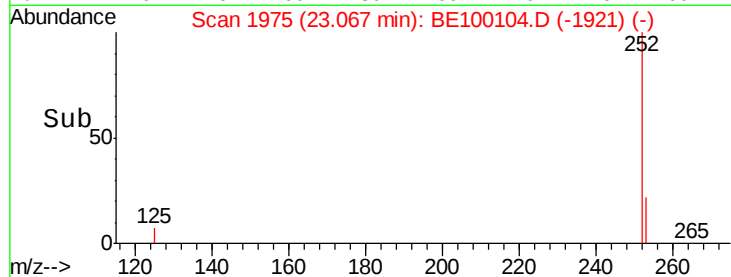
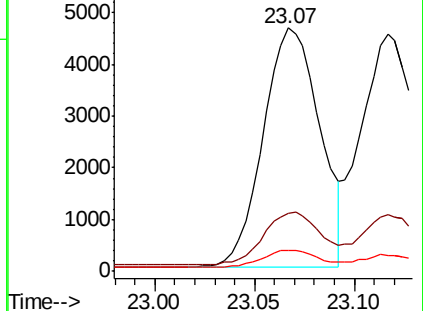
125 8.5 6.4 9.6



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



#36

Benzo(k)fluoranthene

Concen: 0.385 ng

RT: 23.12 min Scan# 1989

Delta R.T. -0.01 min

Lab File: BE100104.D

Acq: 20 Jun 2019 12:07

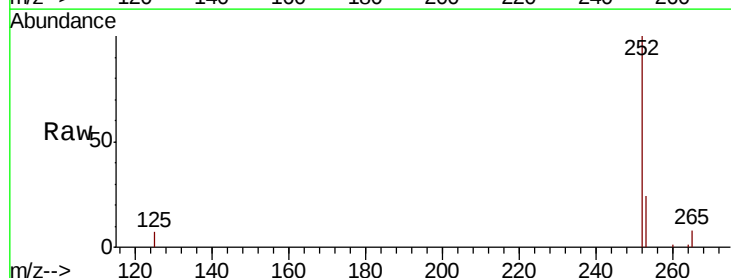
Tgt Ion:252 Resp: 10497

Ion Ratio Lower Upper

252 100

253 24.1 18.9 28.3

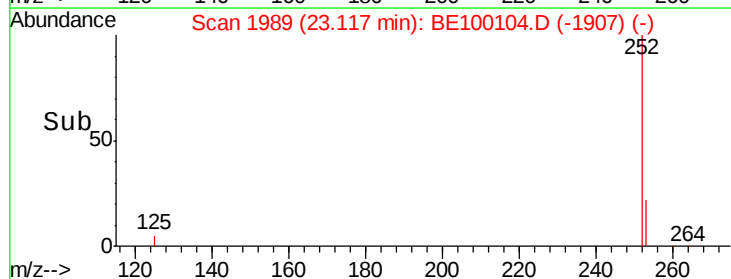
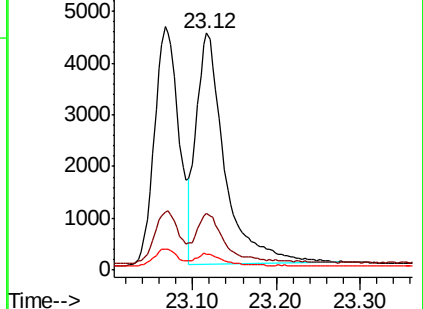
125 6.8 5.3 7.9

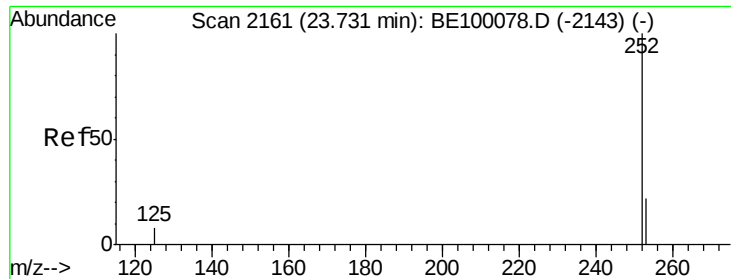


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#37

Benzo(a)pyrene

Concen: 0.402 ng

RT: 23.73 min Scan# 2160

Delta R.T. -0.00 min

Lab File: BE100104.D

Acq: 20 Jun 2019 12:07

Instrument :

BNA_E

ClientSampleId :

PB120501BS

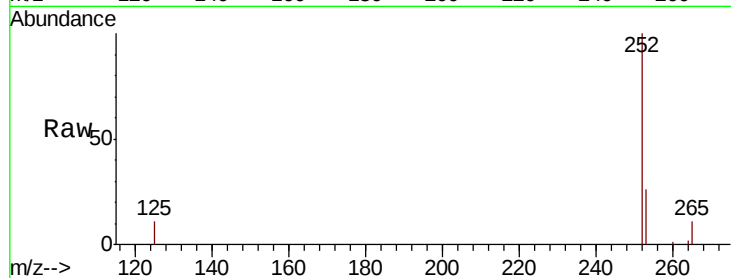
Tgt Ion:252 Resp: 9307

Ion Ratio Lower Upper

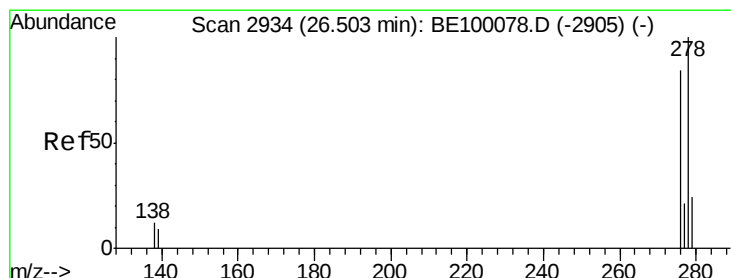
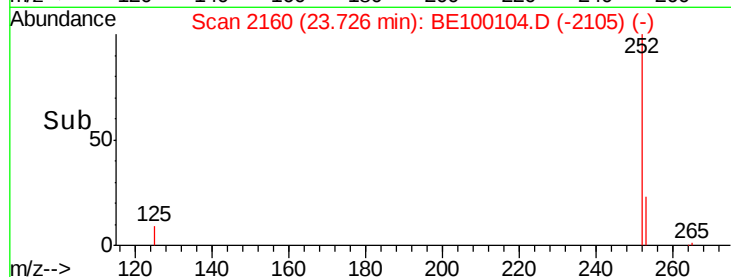
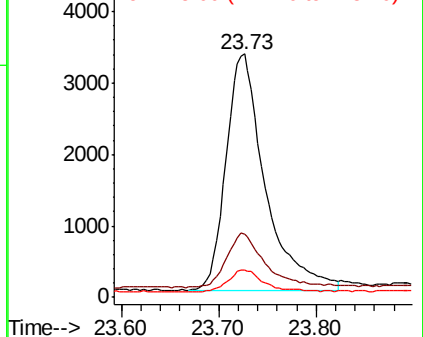
252 100

253 26.1 19.4 29.2

125 11.4 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



#38

Dibenzo(a,h)anthracene

Concen: 0.403 ng

RT: 26.51 min Scan# 2935

Delta R.T. 0.00 min

Lab File: BE100104.D

Acq: 20 Jun 2019 12:07

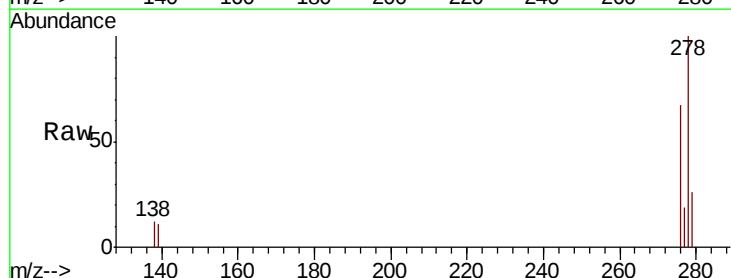
Tgt Ion:278 Resp: 9546

Ion Ratio Lower Upper

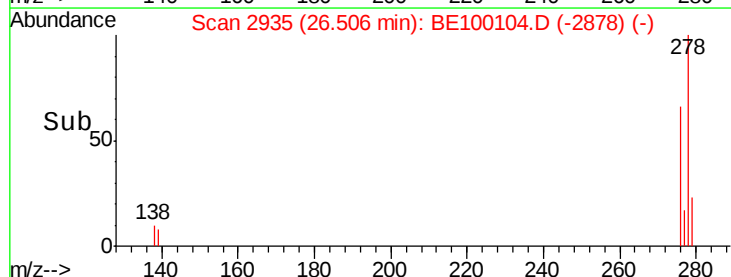
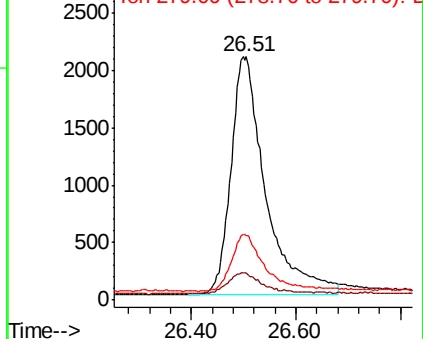
278 100

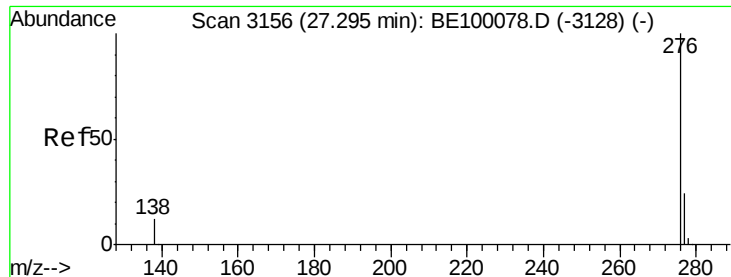
139 11.1 9.0 13.6

279 26.2 21.4 32.0



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: 0.414 ng

RT: 27.29 min Scan# 3154

Delta R.T. -0.01 min

Lab File: BE100104.D

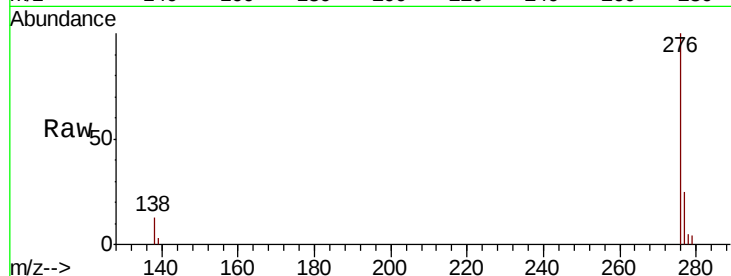
Acq: 20 Jun 2019 12:07

Instrument :

BNA_E

ClientSampleId :

PB120501BS



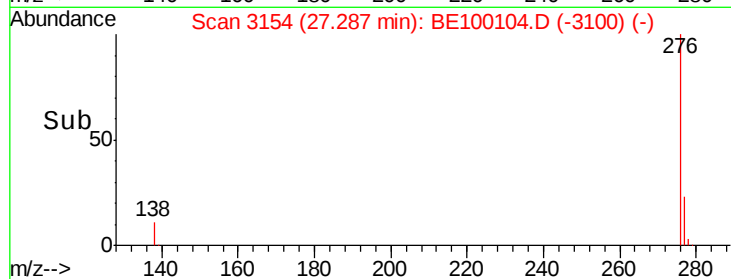
Tgt Ion: 276 Resp: 10208

Ion Ratio Lower Upper

276 100

277 24.9 20.3 30.5

138 13.1 11.3 16.9



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

