

Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE102819\
 Data File : BE100677.D
 Acq On : 28 Oct 2019 17:14
 Operator : JU
 Sample : PB124301BS
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 PB124301BS

Quant Time: Oct 29 11:52:36 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA E\METHODS\8270-SIM-BE101019.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Oct 23 16:49:33 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.85	152	3195	0.40	ng	0.00
7) Naphthalene-d8	10.63	136	13326	0.40	ng	0.00
13) Acenaphthene-d10	14.47	164	8373	0.40	ng	0.00
19) Phenanthrene-d10	17.19	188	19733	0.40	ng	-0.01
27) Chrysene-d12	21.35	240	26456	0.40	ng	0.00
34) Perylene-d12	23.82	264	31410	0.40	ng	0.00

System Monitoring Compounds						
4) 2-Fluorophenol	5.44	112	3930	0.40	ng	0.00
5) Phenol-d6	7.01	99	5433	0.39	ng	0.00
8) Nitrobenzene-d5	8.99	82	4328	0.52	ng	0.00
11) 2-Methylnaphthalene-d10	12.22	152	9201	0.44	ng	0.00
14) 2,4,6-Tribromophenol	15.94	330	990	0.45	ng	0.00
15) 2-Fluorobiphenyl	13.10	172	13020	0.43	ng	0.00
25) Fluoranthene-d10	19.22	212	114636	0.45	ng	0.00
29) Terphenyl-d14	19.82	244	25721	0.44	ng	0.00

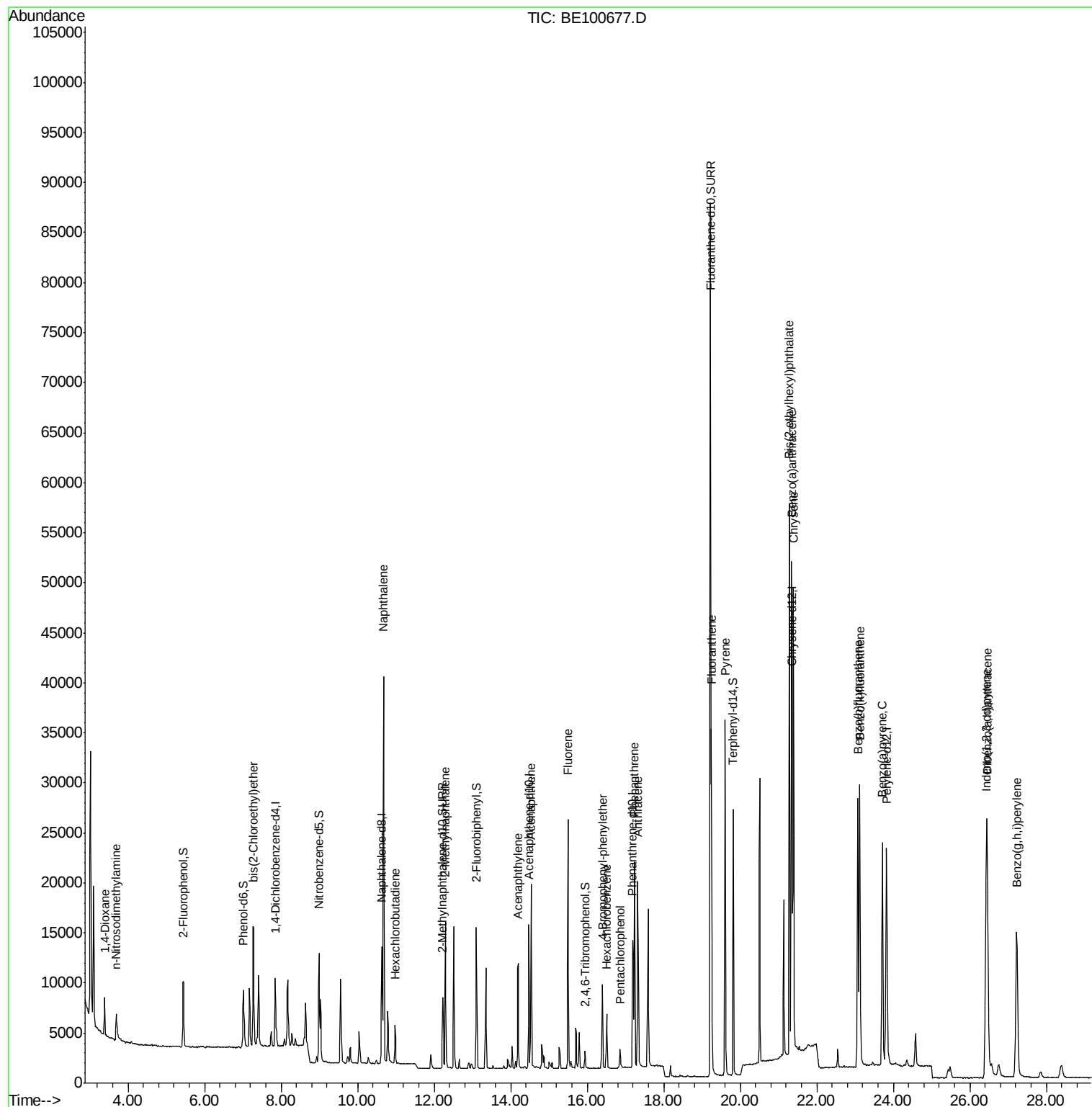
Target Compounds					Qvalue	
2) 1,4-Dioxane	3.38	88	2568	0.450	ng	95
3) n-Nitrosodimethylamine	3.69	42	2235	0.371	ng	90
6) bis(2-Chloroethyl)ether	7.28	93	5030	0.440	ng	100
9) Naphthalene	10.68	128	62501	0.446	ng	100
10) Hexachlorobutadiene	10.98	225	2724	0.447	ng	98
12) 2-Methylnaphthalene	12.29	142	10415	0.436	ng	99
16) Acenaphthylene	14.20	152	15074	0.418	ng	100
17) Acenaphthene	14.53	154	10246	0.440	ng	100
18) Fluorene	15.50	166	13632	0.441	ng	99
20) 4-Bromophenyl-phenylether	16.40	248	4469	0.445	ng	95
21) Hexachlorobenzene	16.50	284	4374	0.457	ng	99
22) Pentachlorophenol	16.85	266	1250	0.406	ng	97
23) Phenanthrene	17.23	178	24302	0.448	ng	100
24) Anthracene	17.32	178	21222	0.421	ng	99
26) Fluoranthene	19.25	202	32339	0.457	ng	99
28) Pyrene	19.60	202	33464	0.453	ng	100
30) Benzo(a)anthracene	21.34	228	37973	0.440	ng	98
31) Chrysene	21.39	228	39373	0.457	ng	98
32) Bis(2-ethylhexyl)phthalate	21.28	149	67780	0.375	ng	100
33) Indeno(1,2,3-cd)pyrene	26.43	276	44592	0.421	ng	99
35) Benzo(b)fluoranthene	23.07	252	38682	0.422	ng	99
36) Benzo(k)fluoranthene	23.12	252	41215	0.438	ng	100
37) Benzo(a)pyrene	23.71	252	35893	0.421	ng	99
38) Dibenzo(a,h)anthracene	26.45	278	37408	0.425	ng	99
39) Benzo(g,h,i)perylene	27.22	276	38236	0.431	ng	99

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

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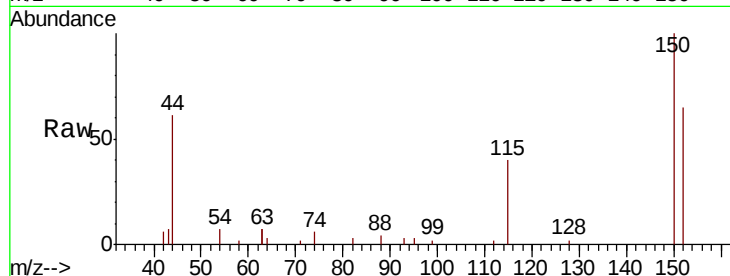


#1

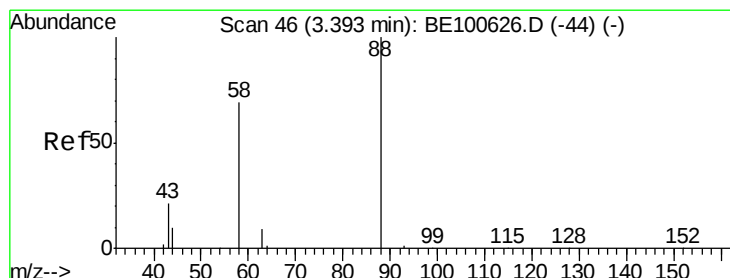
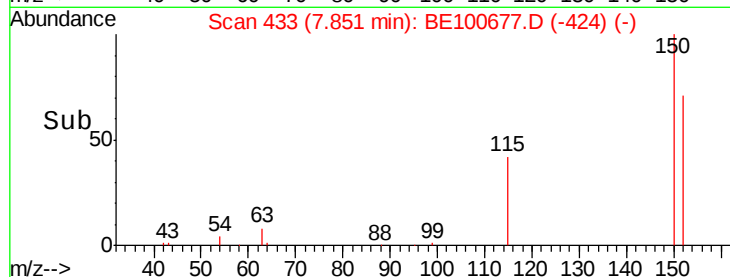
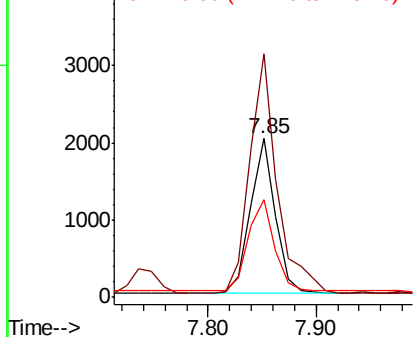
1,4-Dichlorobenzene-d4
 Concen: 0.400 ng
 RT: 7.85 min Scan# 433
 Delta R.T. 0.00 min
 Lab File: BE100677.D
 Acq: 28 Oct 2019 17:14

Instrument :
 BNA_E
 ClientSampleId :
 PB124301BS

Tot Ion: 152 Resp: 3195
 Ion Ratio Lower Upper
 152 100
 150 153.5 123.3 184.9
 115 61.6 51.9 77.9



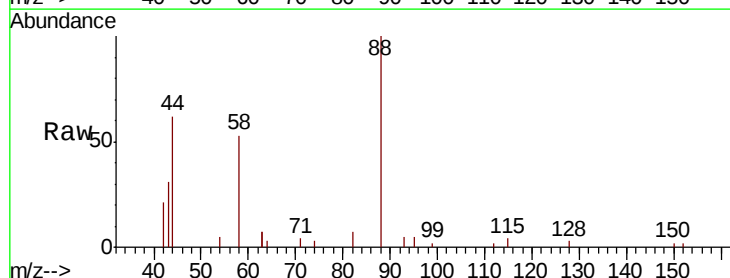
Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E



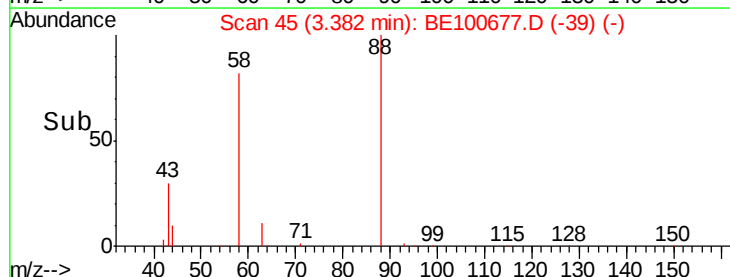
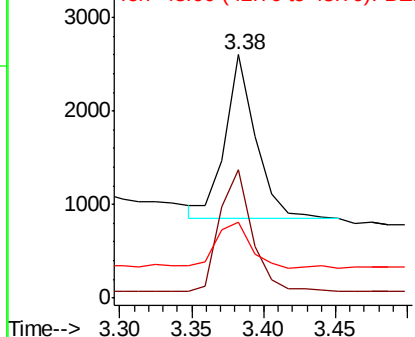
#2

1,4-Dioxane
 Concen: 0.450 ng
 RT: 3.38 min Scan# 45
 Delta R.T. 0.00 min
 Lab File: BE100677.D
 Acq: 28 Oct 2019 17:14

Tgt Ion: 88 Resp: 2568
 Ion Ratio Lower Upper
 88 100
 58 80.4 59.8 89.6
 43 29.9 24.6 36.8



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: 0.371 ng

RT: 3.69 min Scan# 72

Delta R.T. 0.00 min

Lab File: BE100677.D

Acq: 28 Oct 2019 17:14

Instrument :

BNA_E

ClientSampleId :

PB124301BS

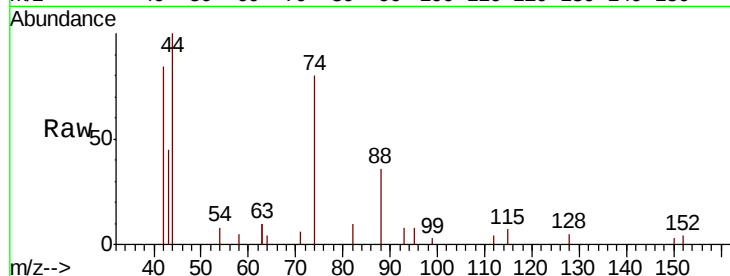
Tot Ion: 42 Resp: 2235

Ion Ratio Lower Upper

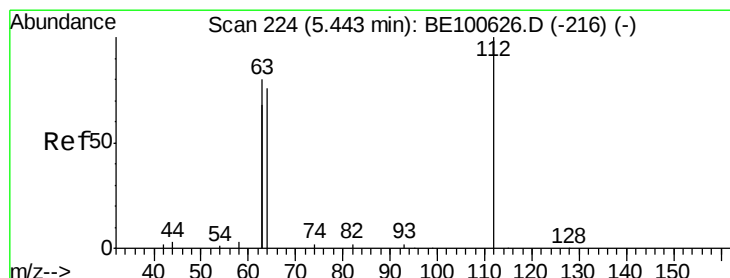
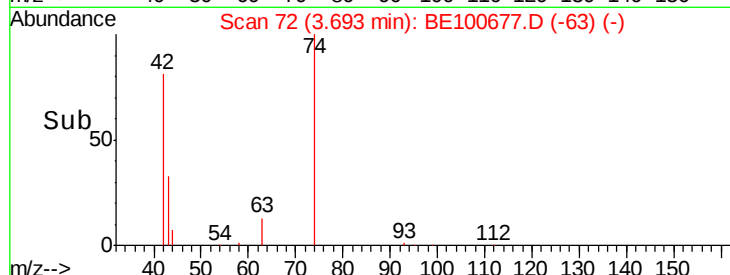
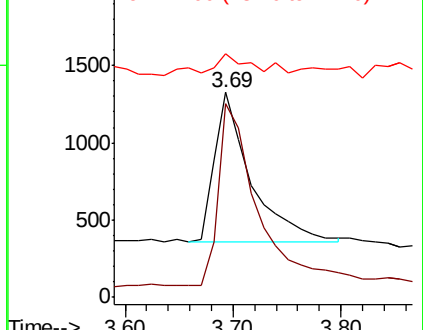
42 100

74 134.1 97.2 145.8

44 19.7 16.6 24.8



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: 0.398 ng

RT: 5.44 min Scan# 224

Delta R.T. 0.00 min

Lab File: BE100677.D

Acq: 28 Oct 2019 17:14

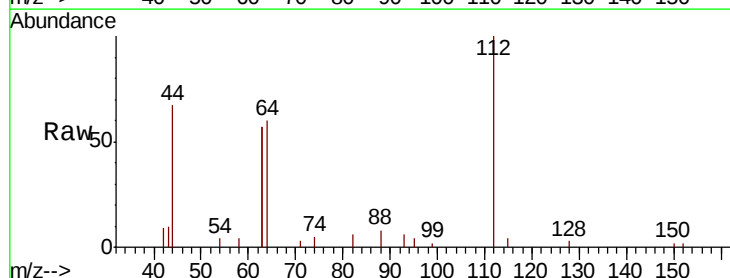
Tgt Ion: 112 Resp: 3930

Ion Ratio Lower Upper

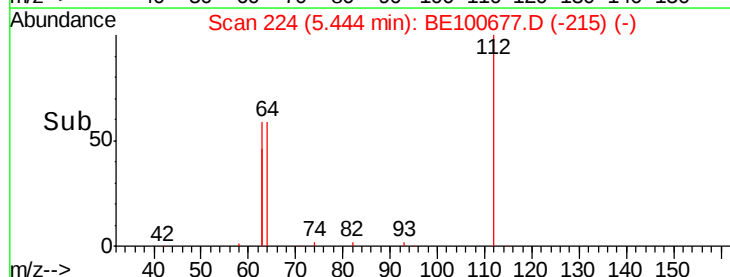
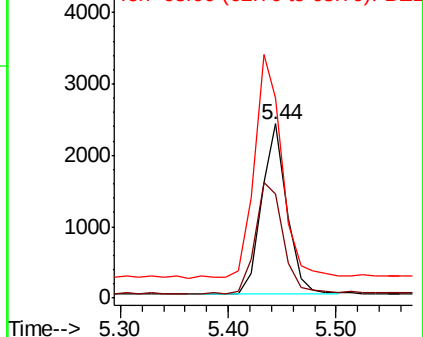
112 100

64 72.0 55.4 83.2

63 141.1 114.2 171.4



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: 0.390 ng

RT: 7.01 min Scan# 360

Delta R.T. 0.00 min

Lab File: BE100677.D

Acq: 28 Oct 2019 17:14

Instrument :

BNA_E

ClientSampleId :

PB124301BS

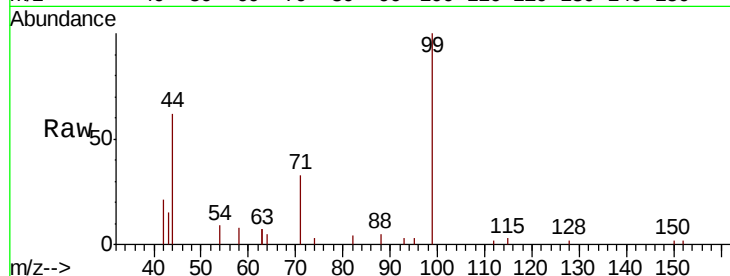
Tot Ion: 99 Resp: 5433

Ion Ratio Lower Upper

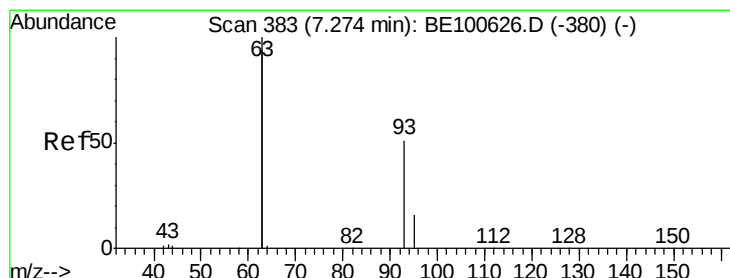
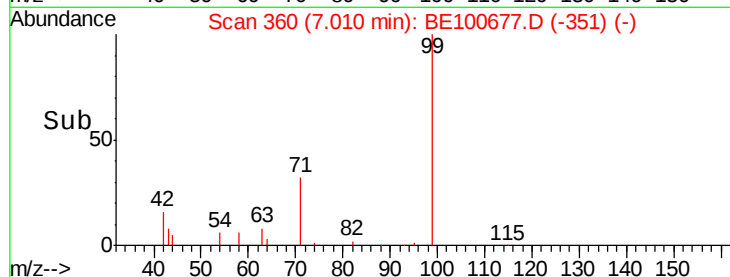
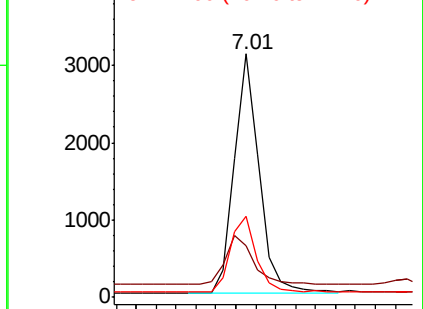
99 100

42 23.7 17.7 26.5

71 33.4 27.4 41.0



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: 0.440 ng

RT: 7.28 min Scan# 383

Delta R.T. 0.00 min

Lab File: BE100677.D

Acq: 28 Oct 2019 17:14

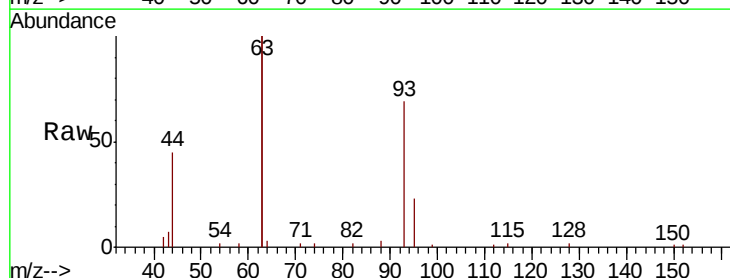
Tgt Ion: 93 Resp: 5030

Ion Ratio Lower Upper

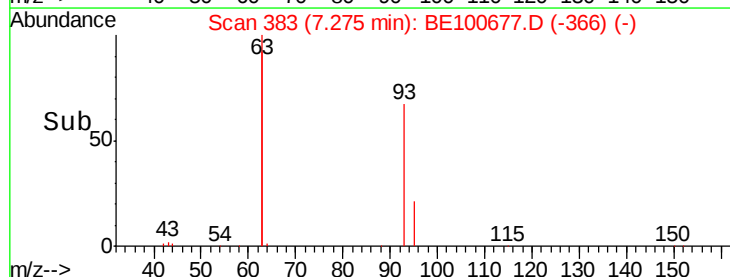
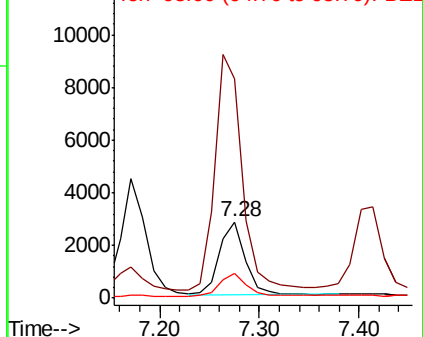
93 100

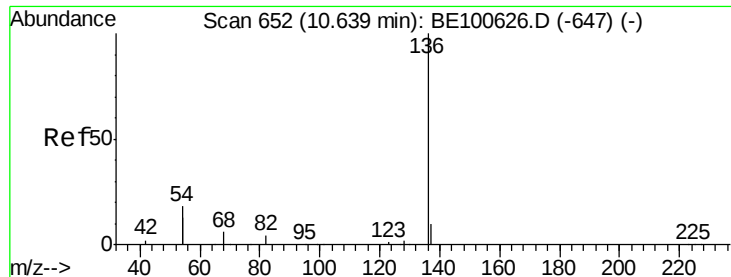
63 336.2 268.8 403.2

95 31.2 25.6 38.4



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: 10.63 min Scan# 651

Delta R.T. -0.00 min

Lab File: BE100677.D

Acq: 28 Oct 2019 17:14

Instrument :

BNA_E

ClientSampleId :

PB124301BS

Tot Ion:136 Resp: 13326

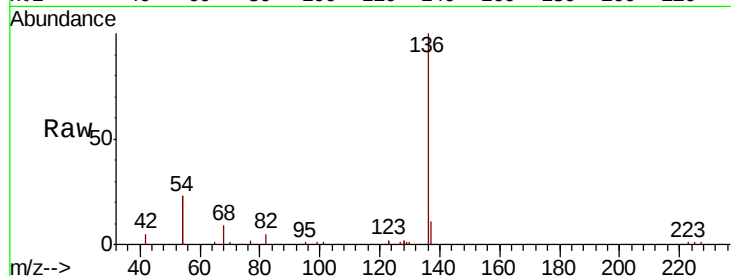
Ion Ratio Lower Upper

136 100

137 11.3 9.2 13.8

54 45.5 39.4 59.2

68 9.1 8.0 12.0

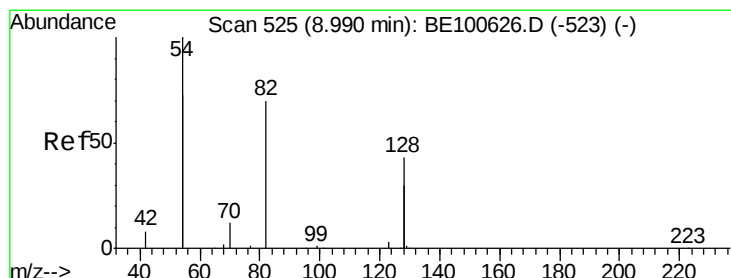
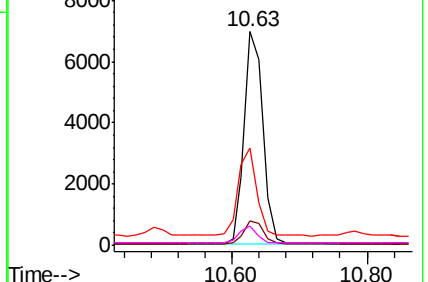
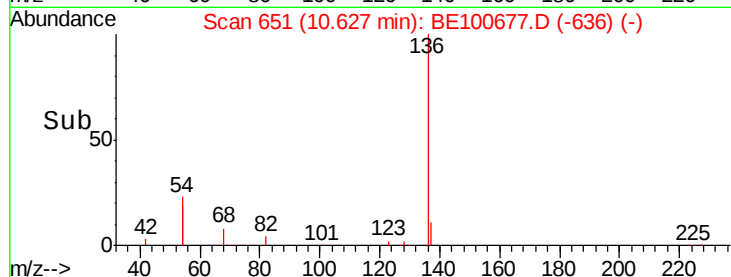


Abundance Ion 136.00 (135.70 to 136.70): E

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: 0.524 ng

RT: 8.99 min Scan# 525

Delta R.T. -0.00 min

Lab File: BE100677.D

Acq: 28 Oct 2019 17:14

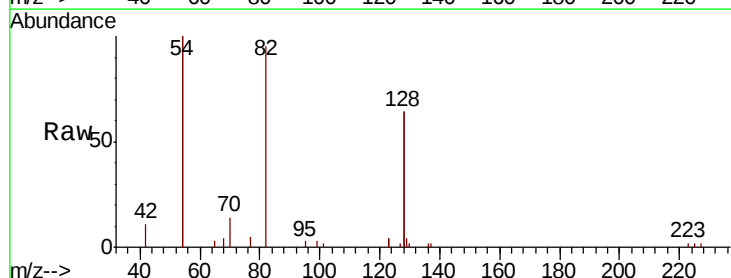
Tgt Ion: 82 Resp: 4328

Ion Ratio Lower Upper

82 100

128 135.5 107.8 161.8

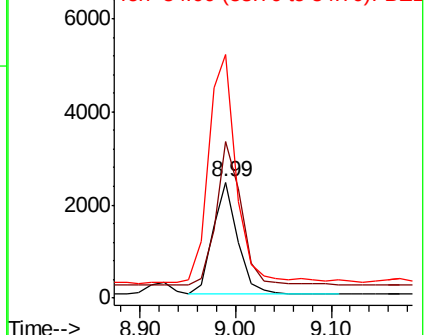
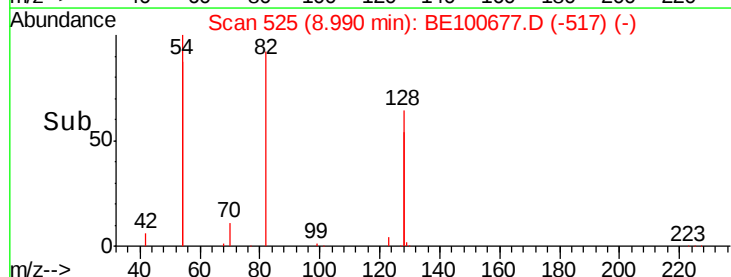
54 210.2 166.1 249.1



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: 0.446 ng

RT: 10.68 min Scan# 655

Delta R.T. -0.00 min

Lab File: BE100677.D

Acq: 28 Oct 2019 17:14

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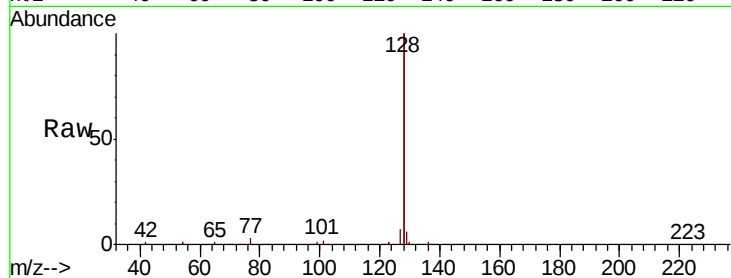
Tot Ion:128 Resp: 62501

Ion Ratio Lower Upper

128 100

129 3.0 2.3 3.5

127 3.3 2.7 4.1

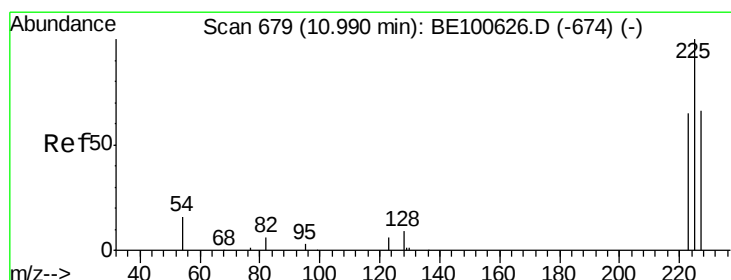
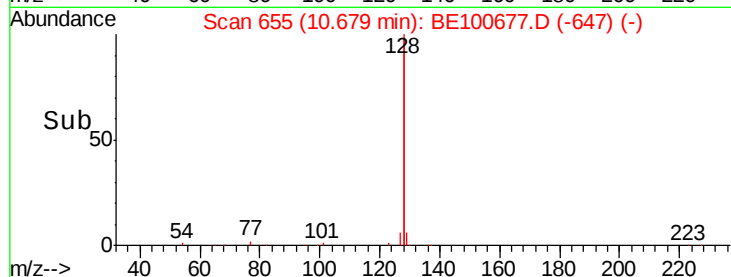
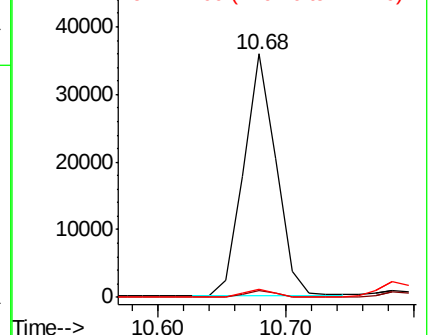


Abundance

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: 0.447 ng

RT: 10.98 min Scan# 678

Delta R.T. -0.00 min

Lab File: BE100677.D

Acq: 28 Oct 2019 17:14

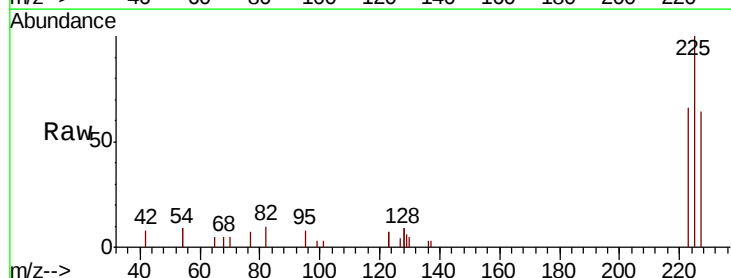
Tgt Ion:225 Resp: 2724

Ion Ratio Lower Upper

225 100

223 63.5 48.6 72.8

227 63.7 51.6 77.4

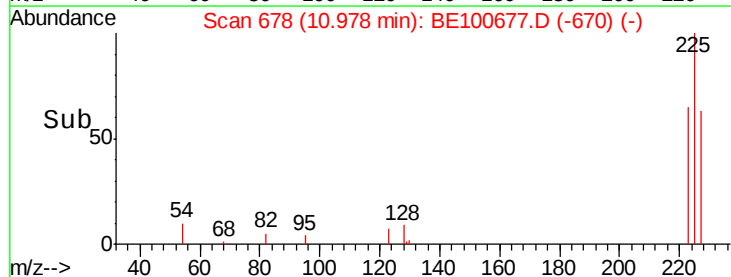
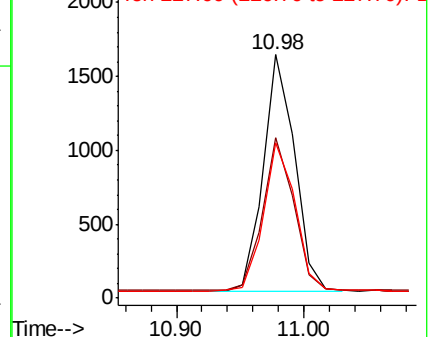


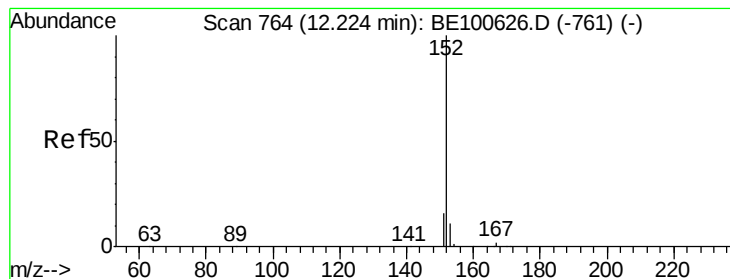
Abundance

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: 0.438 ng

RT: 12.22 min Scan# 764

Delta R.T. -0.00 min

Lab File: BE100677.D

Acq: 28 Oct 2019 17:14

Instrument :

BNA_E

ClientSampleId :

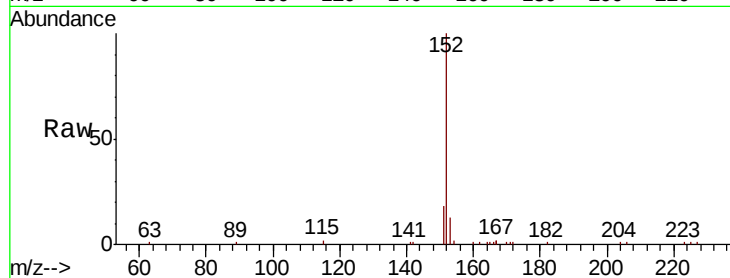
PB124301BS

Tot Ion:152 Resp: 9201

Ion Ratio Lower Upper

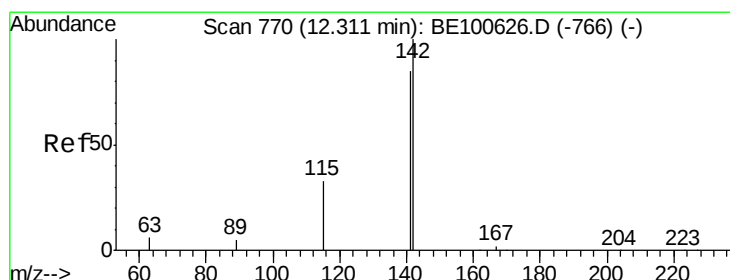
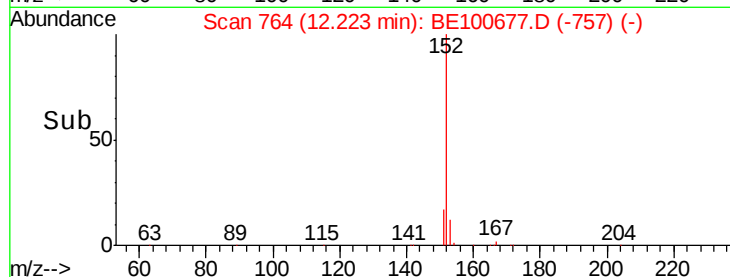
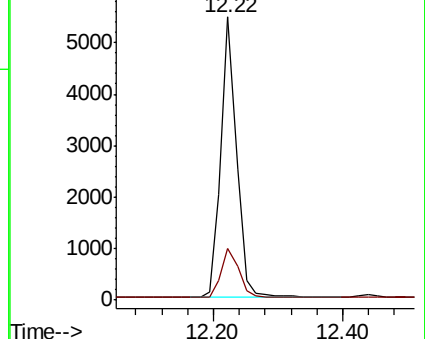
152 100

151 19.5 14.7 22.1



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E



#12

2-Methylnaphthalene

Concen: 0.436 ng

RT: 12.29 min Scan# 769

Delta R.T. -0.00 min

Lab File: BE100677.D

Acq: 28 Oct 2019 17:14

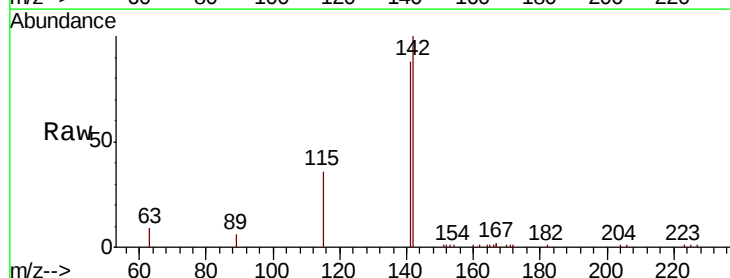
Tgt Ion:142 Resp: 10415

Ion Ratio Lower Upper

142 100

141 88.4 70.1 105.1

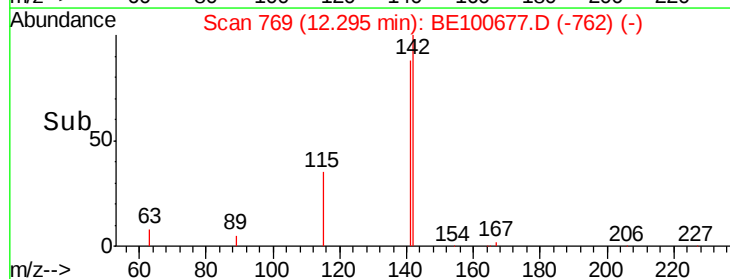
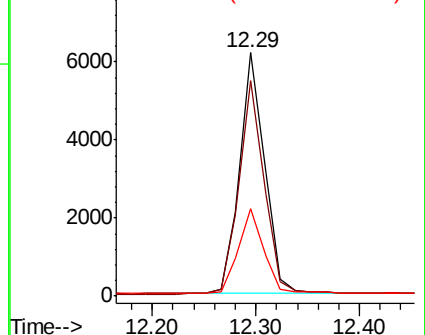
115 36.1 28.3 42.5

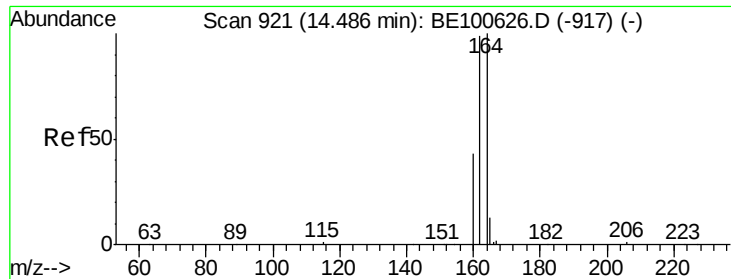


Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 115.00 (114.70 to 115.70): E

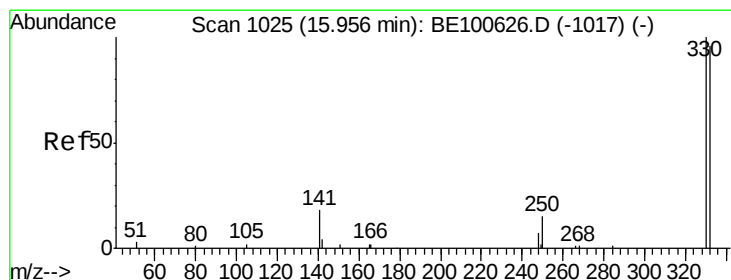
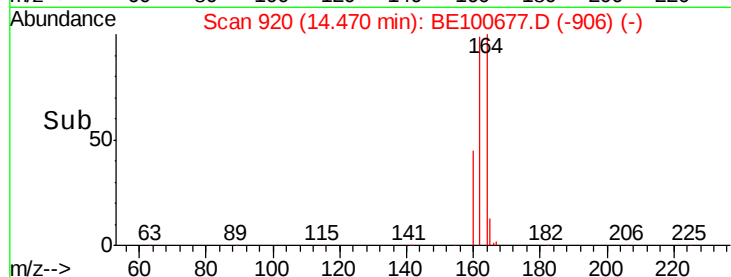
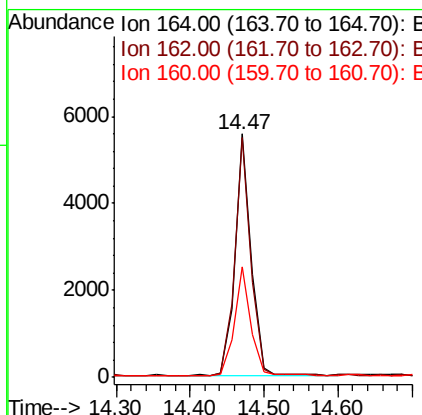
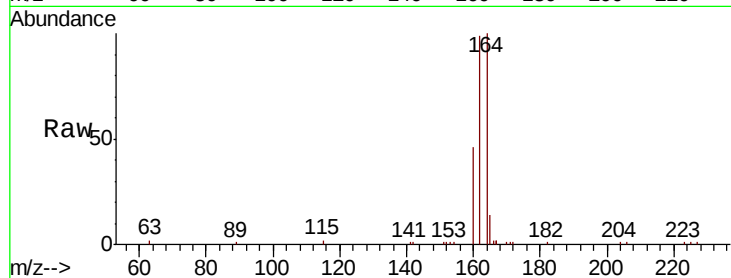




#13
 Acenaphthene-d10
 Concen: 0.400 ng
 RT: 14.47 min Scan# 920
 Delta R.T. -0.00 min
 Lab File: BE100677.D
 Acq: 28 Oct 2019 17:14

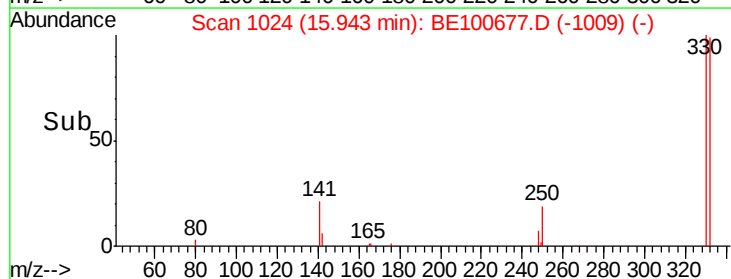
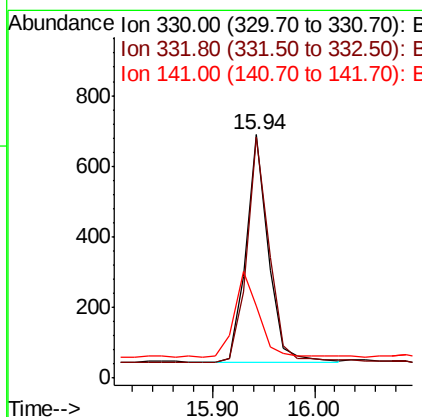
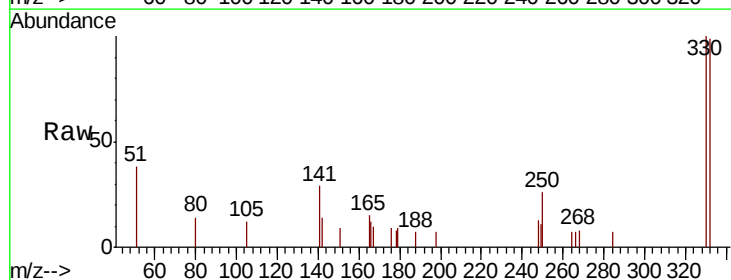
Instrument :
 BNA_E
 ClientSampleId :
 PB124301BS

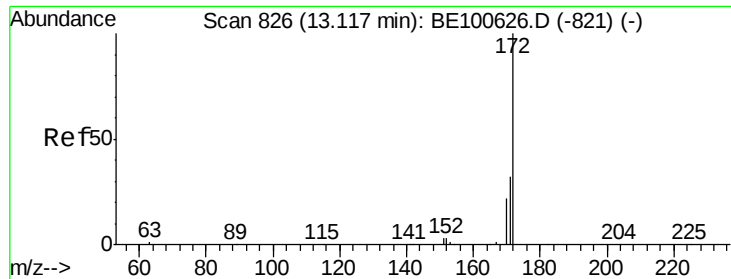
Tot Ion:164 Resp: 8373
 Ion Ratio Lower Upper
 164 100
 162 98.6 82.0 123.0
 160 45.5 37.5 56.3



#14
 2,4,6-Tribromophenol
 Concen: 0.447 ng
 RT: 15.94 min Scan# 1024
 Delta R.T. 0.00 min
 Lab File: BE100677.D
 Acq: 28 Oct 2019 17:14

Tgt Ion:330 Resp: 990
 Ion Ratio Lower Upper
 330 100
 332 101.0 77.9 116.9
 141 41.5 33.0 49.6

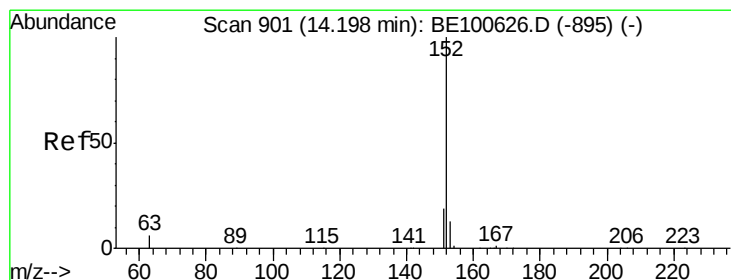
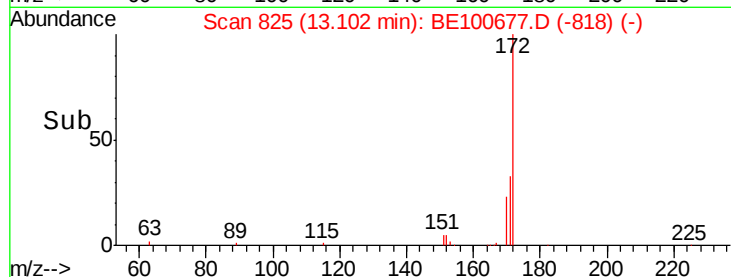
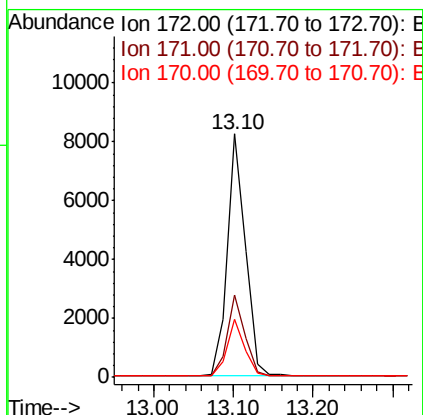
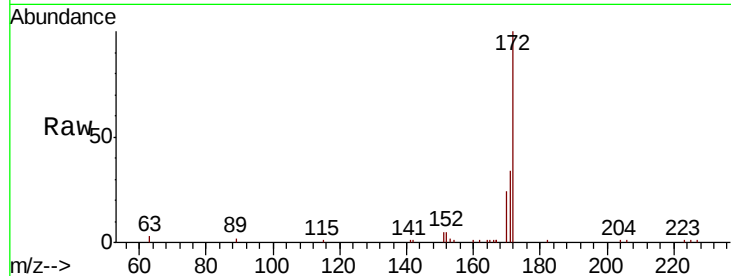




#15
2-Fluorobiphenyl
Concen: 0.427 ng
RT: 13.10 min Scan# 825
Delta R.T. -0.00 min
Lab File: BE100677.D
Acq: 28 Oct 2019 17:14

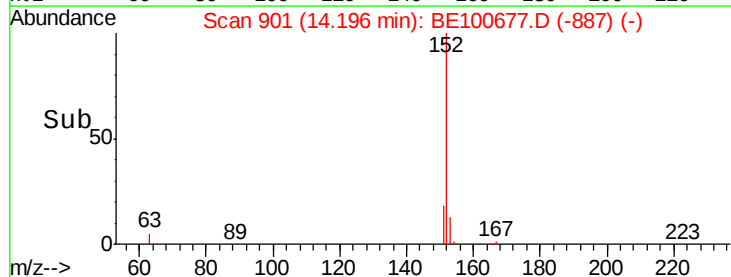
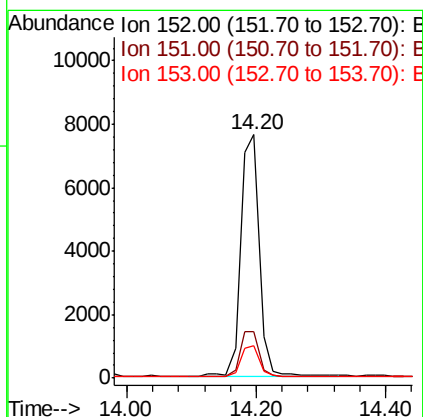
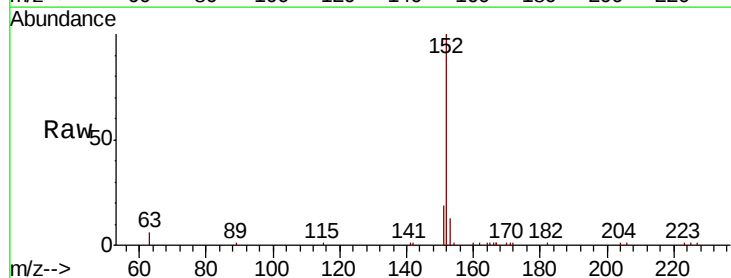
Instrument :
BNA_E
ClientSampleId :
PB124301BS

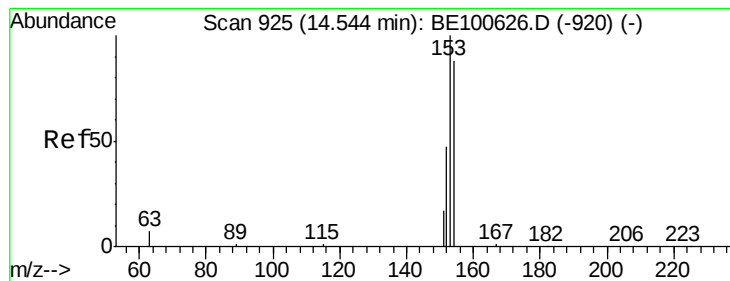
Tot Ion:172 Resp: 13020
Ion Ratio Lower Upper
172 100
171 33.9 26.5 39.7
170 23.8 19.0 28.4



#16
Acenaphthylene
Concen: 0.418 ng
RT: 14.20 min Scan# 901
Delta R.T. -0.00 min
Lab File: BE100677.D
Acq: 28 Oct 2019 17:14

Tgt Ion:152 Resp: 15074
Ion Ratio Lower Upper
152 100
151 19.1 15.2 22.8
153 13.0 10.3 15.5





#17

Acenaphthene

Concen: 0.440 ng

RT: 14.53 min Scan# 924

Delta R.T. -0.00 min

Lab File: BE100677.D

Acq: 28 Oct 2019 17:14

Instrument :

BNA_E

ClientSampleId :

PB124301BS

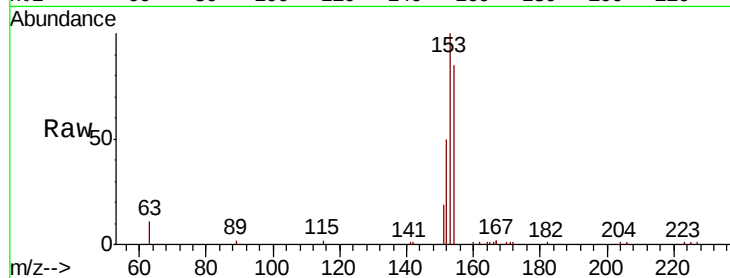
Tot Ion:154 Resp: 10246

Ion Ratio Lower Upper

154 100

153 112.4 89.4 134.2

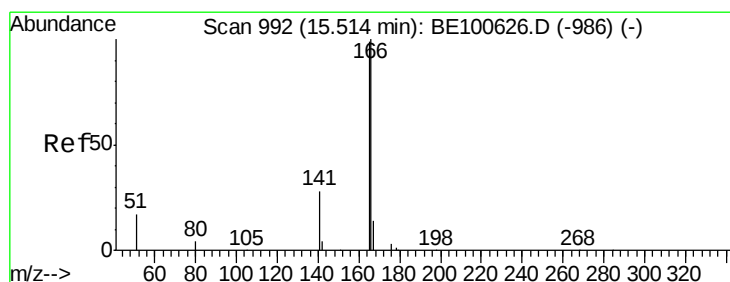
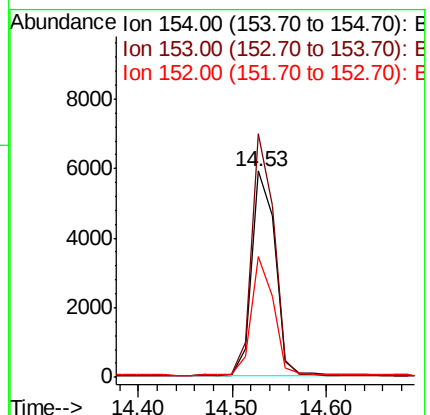
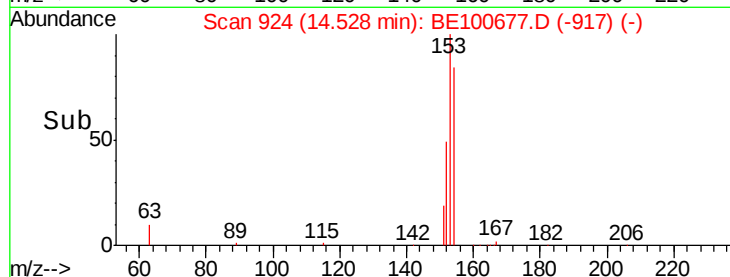
152 55.0 44.1 66.1



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: 0.441 ng

RT: 15.50 min Scan# 991

Delta R.T. 0.00 min

Lab File: BE100677.D

Acq: 28 Oct 2019 17:14

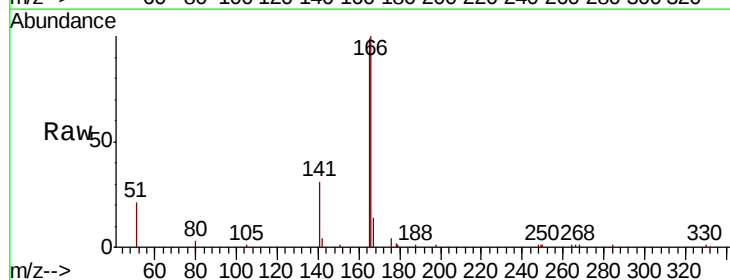
Tgt Ion:166 Resp: 13632

Ion Ratio Lower Upper

166 100

165 99.0 78.6 117.8

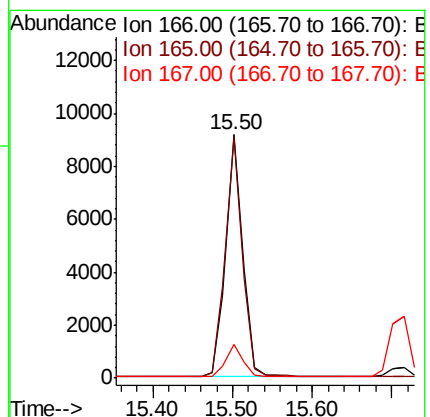
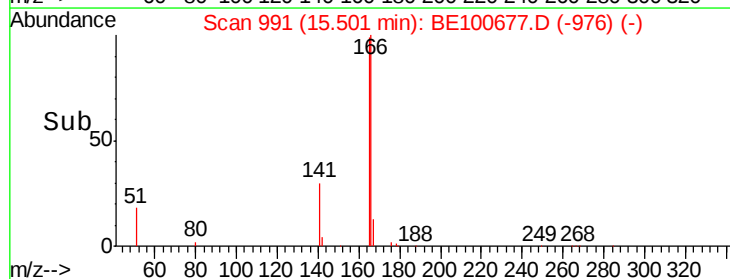
167 13.4 10.9 16.3



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: 17.19 min Scan# 1117

Delta R.T. -0.01 min

Lab File: BE100677.D

Acq: 28 Oct 2019 17:14

Instrument :

BNA_E

ClientSampleId :

PB124301BS

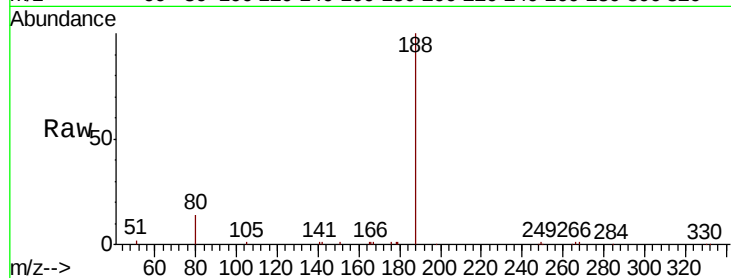
Tot Ion:188 Resp: 19733

Ion Ratio Lower Upper

188 100

94 0.0 0.0 0.0

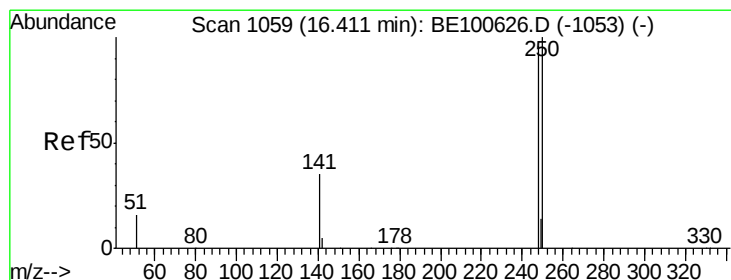
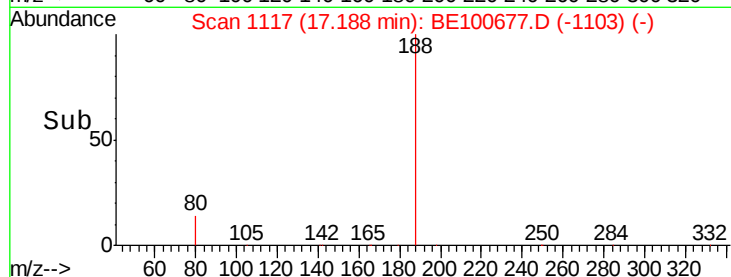
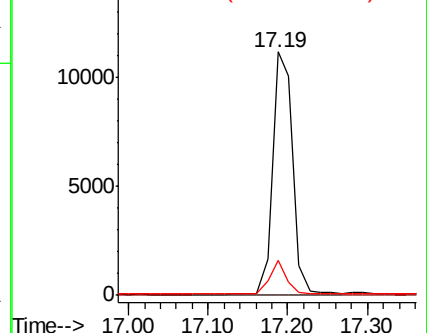
80 14.4 5.4 8.0#



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: 0.445 ng

RT: 16.40 min Scan# 1058

Delta R.T. 0.00 min

Lab File: BE100677.D

Acq: 28 Oct 2019 17:14

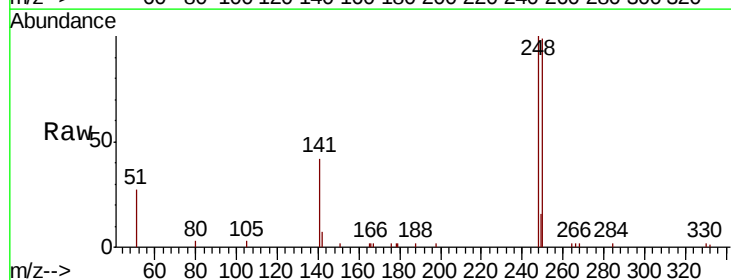
Tgt Ion:248 Resp: 4469

Ion Ratio Lower Upper

248 100

250 98.9 76.3 114.5

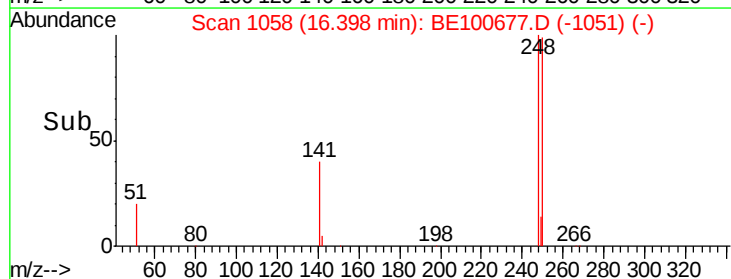
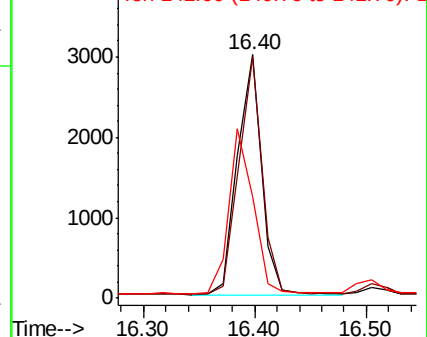
141 41.8 37.3 55.9

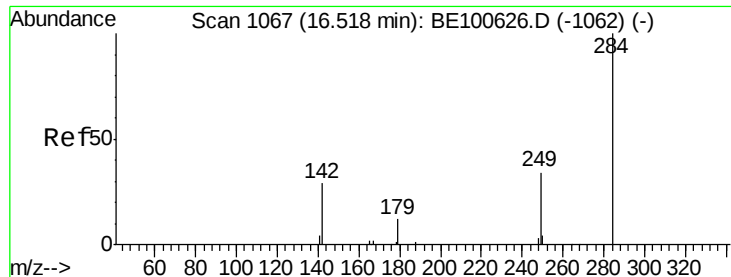


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E





#21

Hexachlorobenzene

Concen: 0.457 ng

RT: 16.50 min Scan# 1066

Delta R.T. -0.01 min

Lab File: BE100677.D

Acq: 28 Oct 2019 17:14

Instrument :

BNA_E

ClientSampleId :

PB124301BS

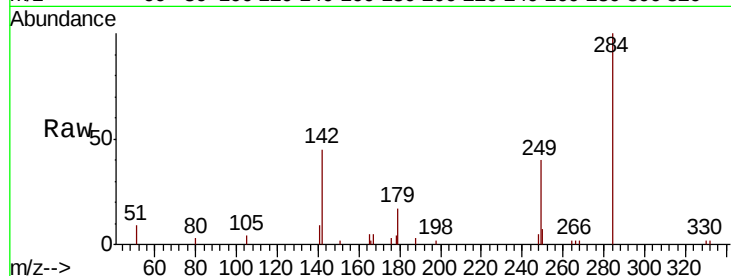
Tot Ion:284 Resp: 4374

Ion Ratio Lower Upper

284 100

142 36.2 28.6 42.8

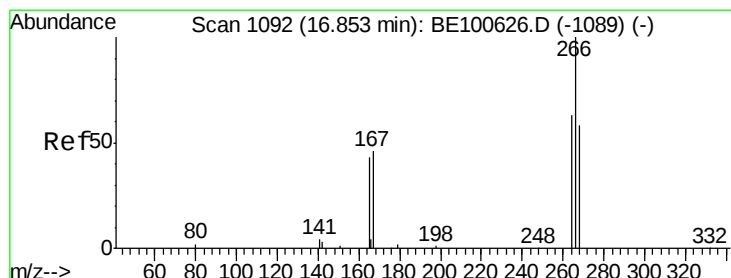
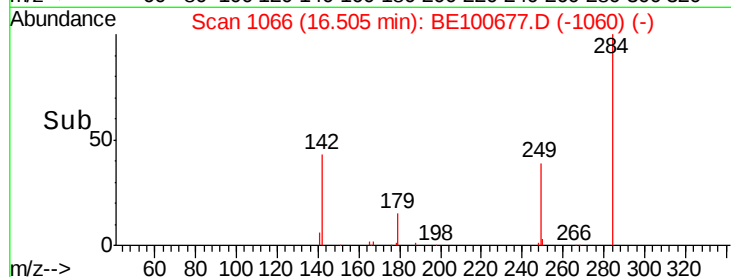
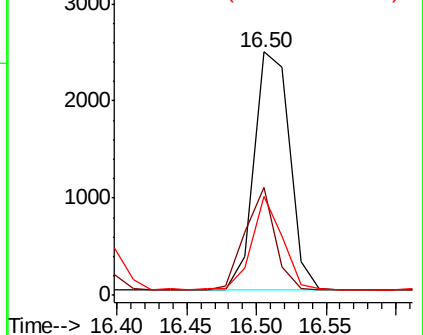
249 32.6 26.3 39.5



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: 0.406 ng

RT: 16.85 min Scan# 1092

Delta R.T. 0.00 min

Lab File: BE100677.D

Acq: 28 Oct 2019 17:14

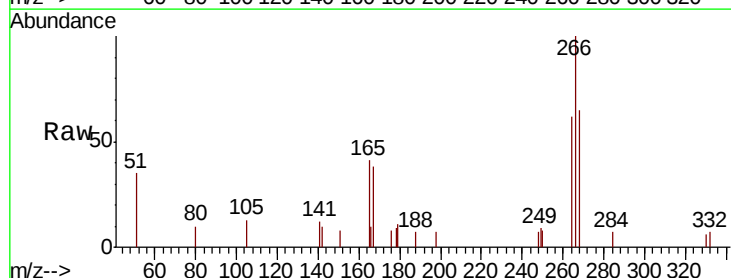
Tgt Ion:266 Resp: 1250

Ion Ratio Lower Upper

266 100

264 61.9 52.2 78.4

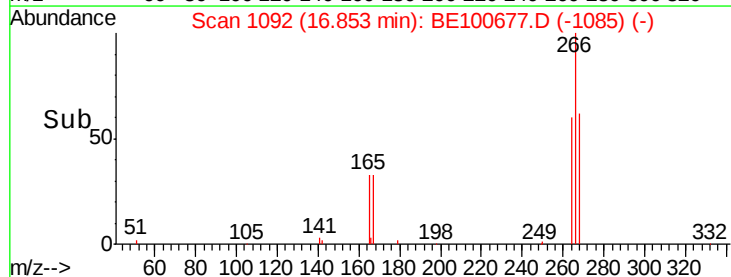
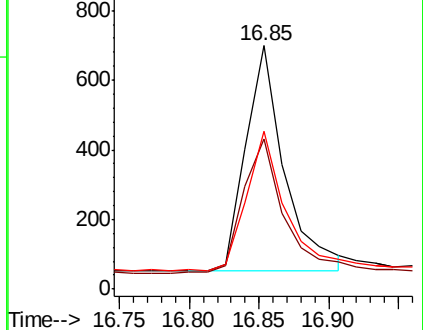
268 64.8 53.1 79.7

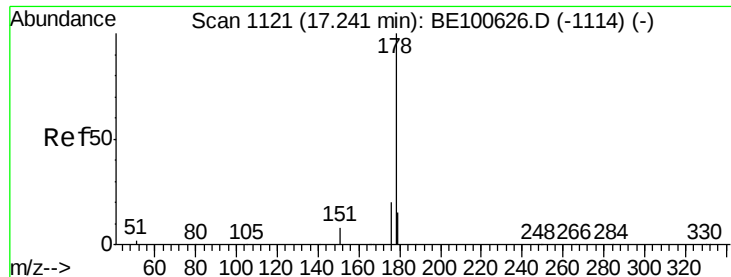


Abundance Ion 266.00 (265.70 to 266.70): E

Ion 264.00 (263.70 to 264.70): E

Ion 268.00 (267.70 to 268.70): E





#23

Phenanthrene

Concen: 0.448 ng

RT: 17.23 min Scan# 1120

Delta R.T. -0.01 min

Lab File: BE100677.D

Acq: 28 Oct 2019 17:14

Instrument :

BNA_E

ClientSampleId :

PB124301BS

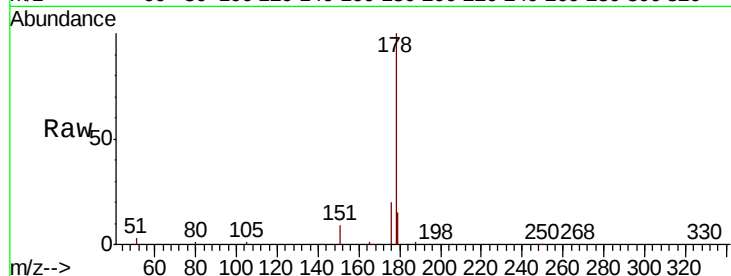
Tot Ion:178 Resp: 24302

Ion Ratio Lower Upper

178 100

176 19.0 15.2 22.8

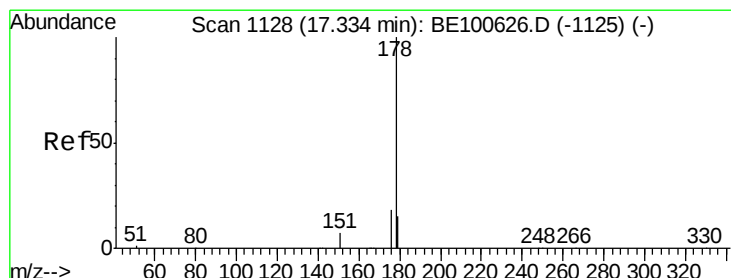
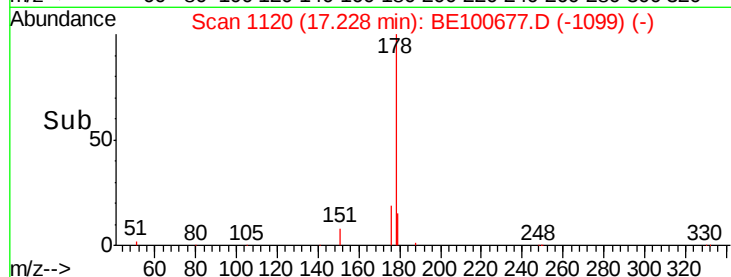
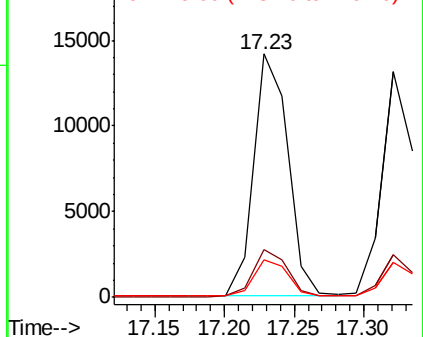
179 15.2 12.1 18.1



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: 0.421 ng

RT: 17.32 min Scan# 1127

Delta R.T. 0.00 min

Lab File: BE100677.D

Acq: 28 Oct 2019 17:14

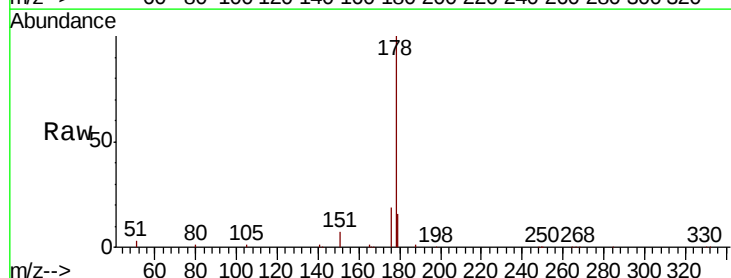
Tgt Ion:178 Resp: 21222

Ion Ratio Lower Upper

178 100

176 17.9 15.0 22.4

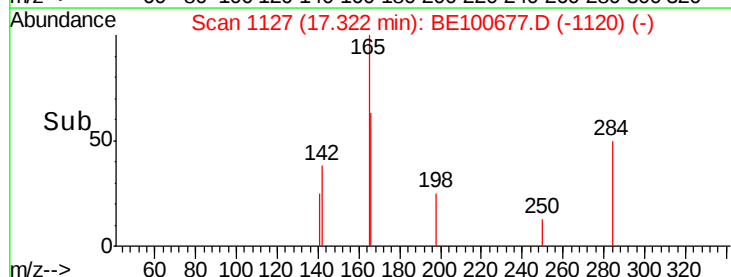
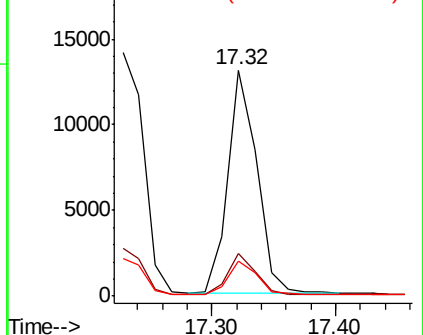
179 15.2 12.5 18.7

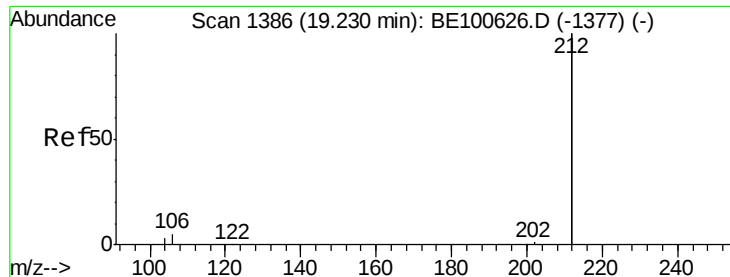


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#25

Fluoranthene-d10

Concen: 0.450 ng

RT: 19.22 min Scan# 1384

Delta R.T. 0.00 min

Lab File: BE100677.D

Acq: 28 Oct 2019 17:14

Instrument :

BNA_E

ClientSampleId :

PB124301BS

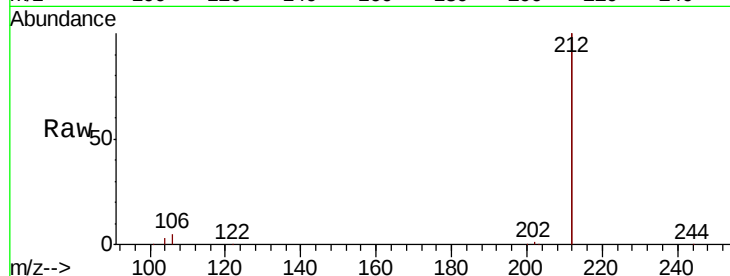
Tot Ion:212 Resp: 114636

Ion Ratio Lower Upper

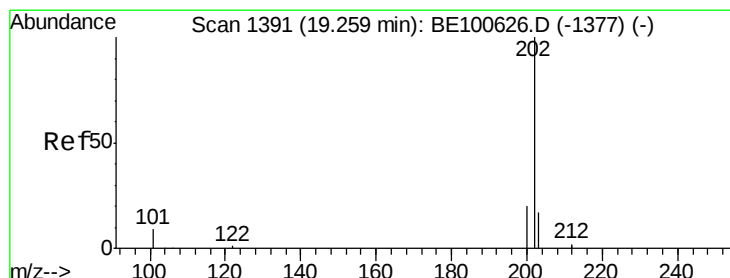
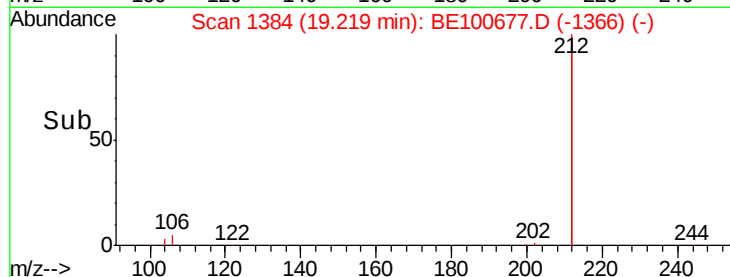
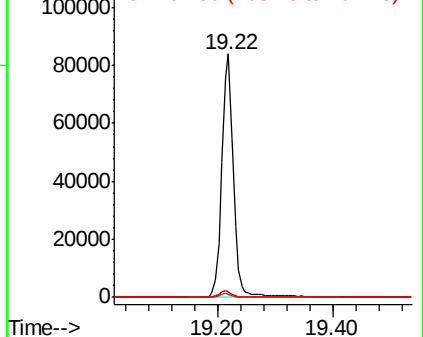
212 100

106 2.8 2.3 3.5

104 1.5 1.3 1.9



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: 0.457 ng

RT: 19.25 min Scan# 1389

Delta R.T. 0.00 min

Lab File: BE100677.D

Acq: 28 Oct 2019 17:14

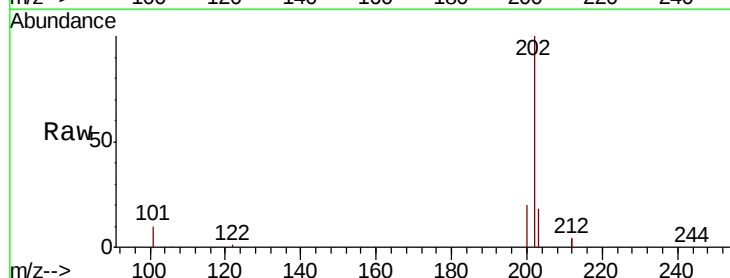
Tgt Ion:202 Resp: 32339

Ion Ratio Lower Upper

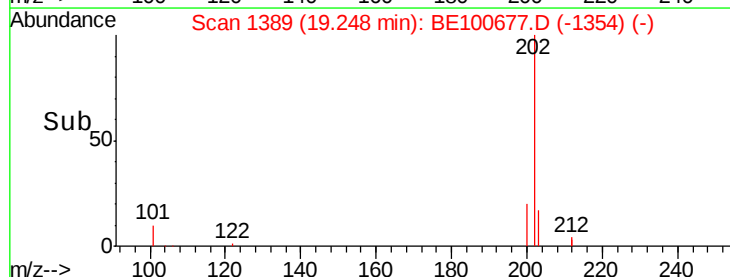
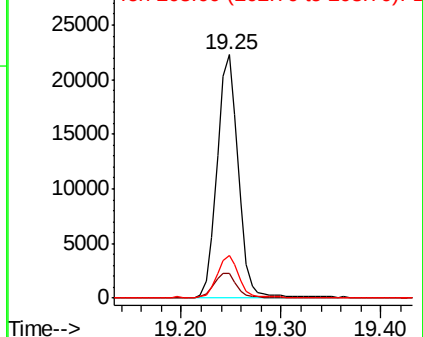
202 100

101 10.5 8.5 12.7

203 17.0 13.8 20.8



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: 21.35 min Scan# 1629

Delta R.T. -0.00 min

Lab File: BE100677.D

Acq: 28 Oct 2019 17:14

Instrument :

BNA_E

ClientSampleId :

PB124301BS

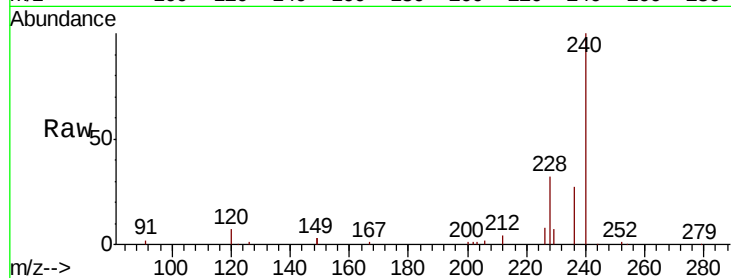
Tot Ion:240 Resp: 26456

Ion Ratio Lower Upper

240 100

120 7.3 7.6 11.4#

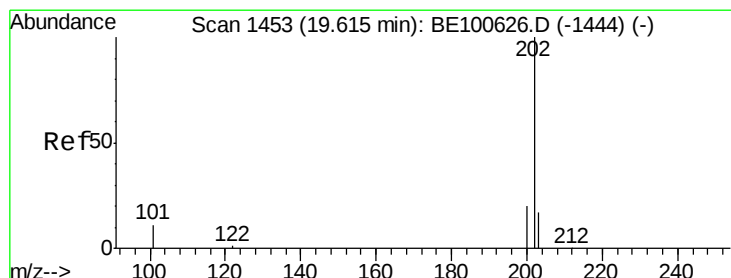
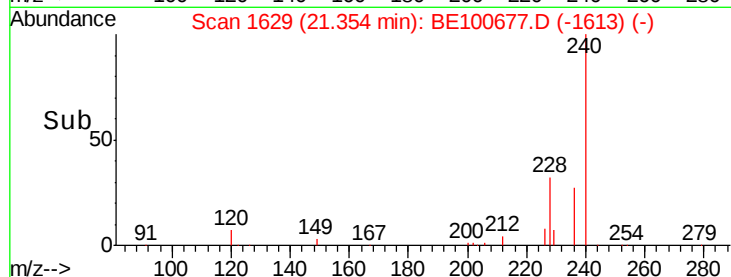
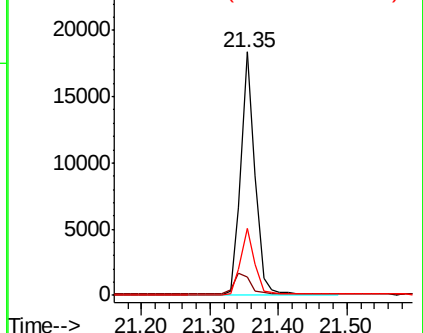
236 27.4 22.1 33.1



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: 0.453 ng

RT: 19.60 min Scan# 1451

Delta R.T. -0.01 min

Lab File: BE100677.D

Acq: 28 Oct 2019 17:14

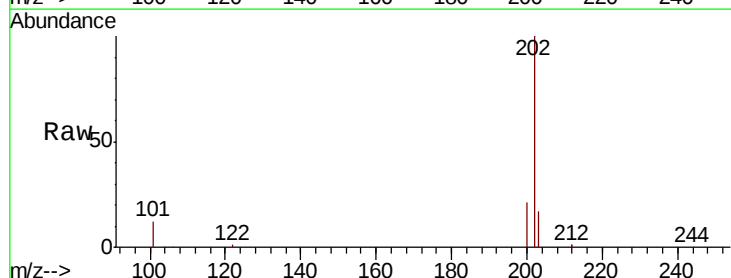
Tgt Ion:202 Resp: 33464

Ion Ratio Lower Upper

202 100

200 20.9 16.7 25.1

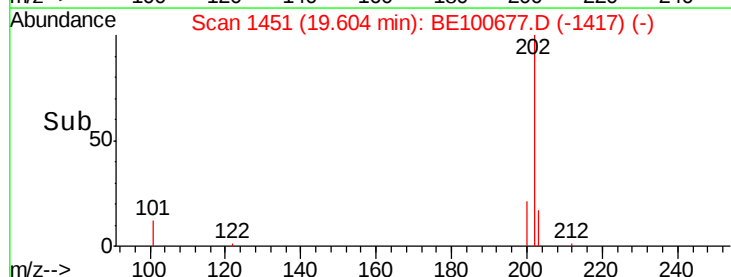
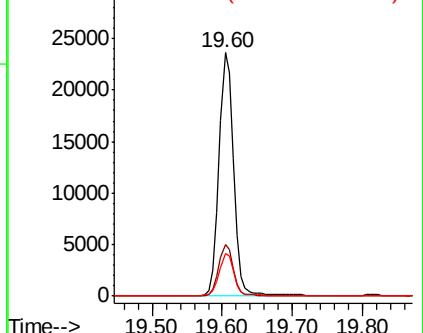
203 17.2 14.0 21.0

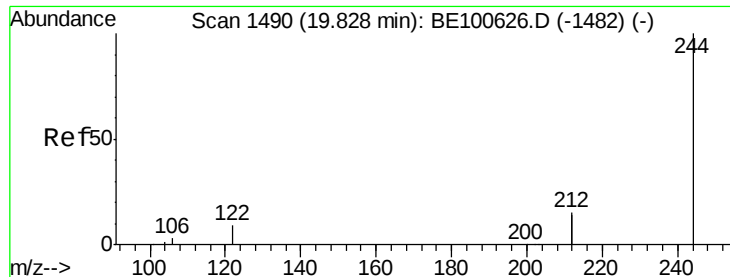


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#29

Terphenyl-d14

Concen: 0.445 ng

RT: 19.82 min Scan# 1488

Delta R.T. 0.00 min

Lab File: BE100677.D

Acq: 28 Oct 2019 17:14

Instrument :

BNA_E

ClientSampleId :

PB124301BS

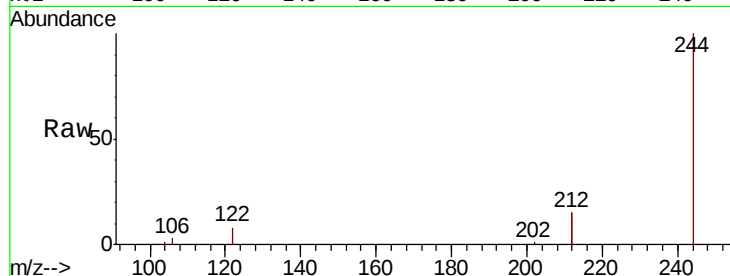
Tot Ion:244 Resp: 25721

Ion Ratio Lower Upper

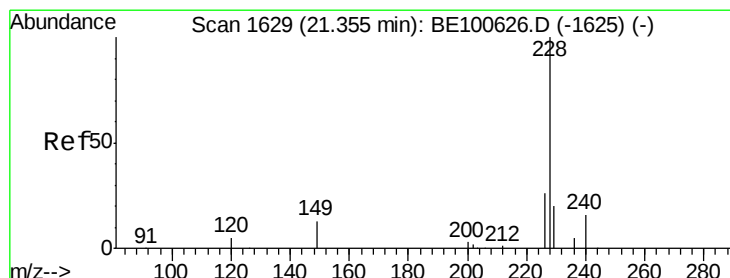
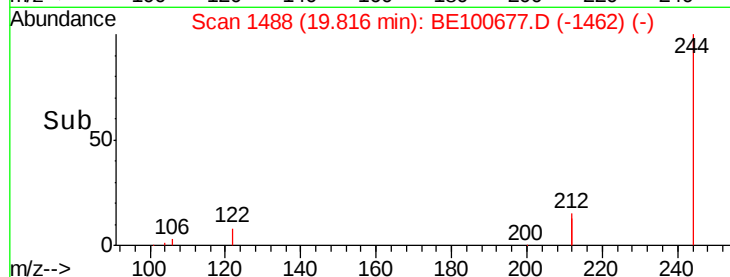
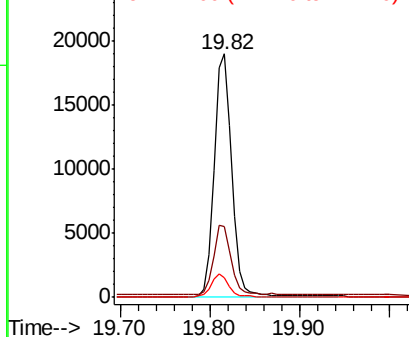
244 100

212 29.2 23.7 35.5

122 8.3 7.9 11.9



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: 0.440 ng

RT: 21.34 min Scan# 1628

Delta R.T. -0.00 min

Lab File: BE100677.D

Acq: 28 Oct 2019 17:14

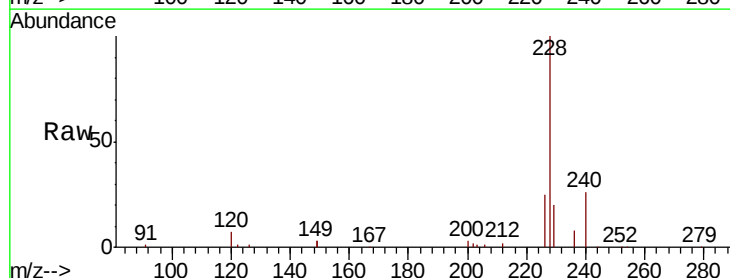
Tgt Ion:228 Resp: 37973

Ion Ratio Lower Upper

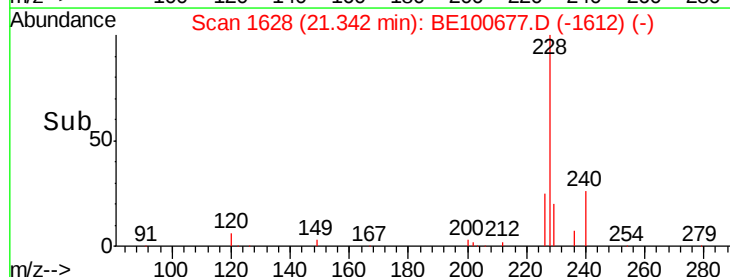
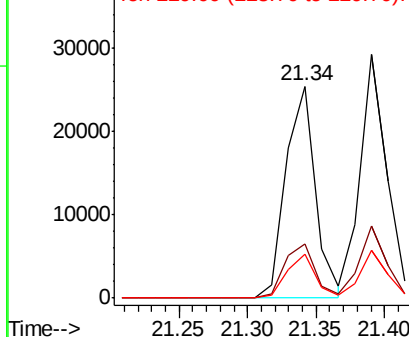
228 100

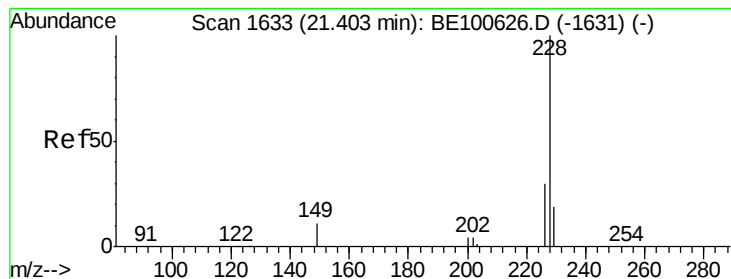
226 25.5 21.4 32.0

229 20.4 16.0 24.0



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: 0.457 ng

RT: 21.39 min Scan# 1632

Delta R.T. -0.00 min

Lab File: BE100677.D

Acq: 28 Oct 2019 17:14

Instrument :

BNA_E

ClientSampleId :

PB124301BS

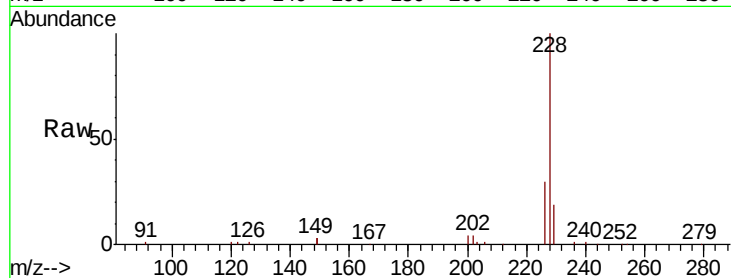
Tot Ion:228 Resp: 39373

Ion Ratio Lower Upper

228 100

226 29.7 24.6 37.0

229 19.4 15.8 23.8

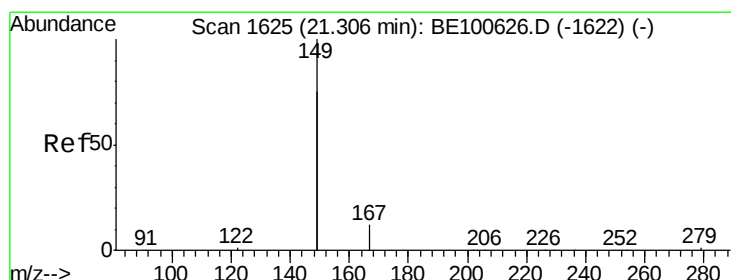
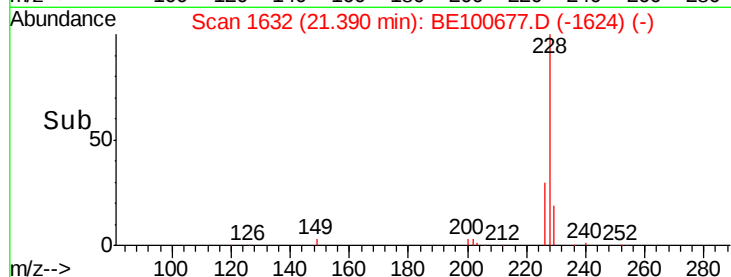
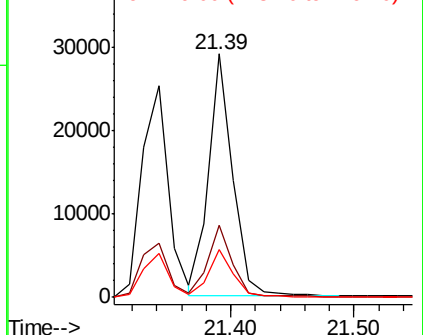


Abundance

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: 0.375 ng

RT: 21.28 min Scan# 1623

Delta R.T. -0.01 min

Lab File: BE100677.D

Acq: 28 Oct 2019 17:14

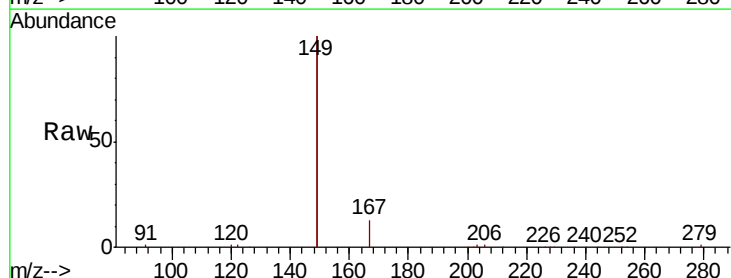
Tgt Ion:149 Resp: 67780

Ion Ratio Lower Upper

149 100

167 6.9 5.5 8.3

279 1.1 0.9 1.3

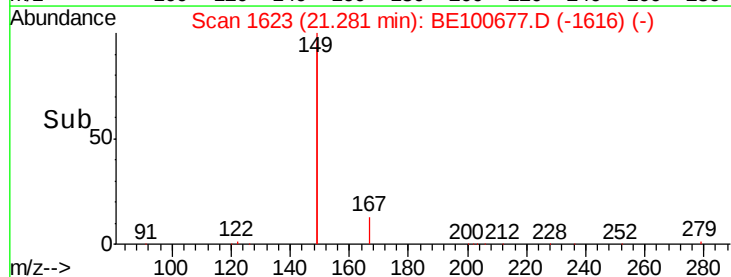
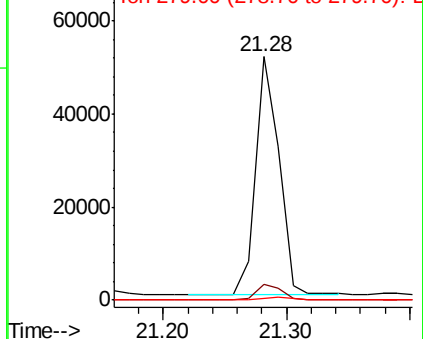


Abundance

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

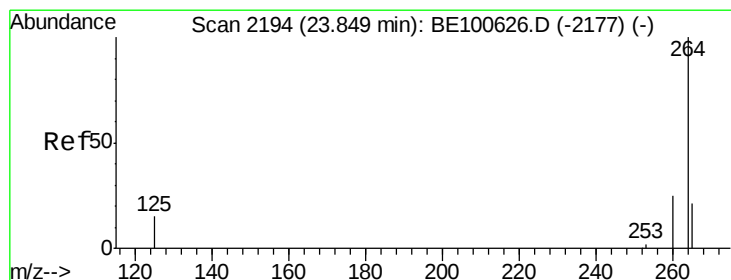
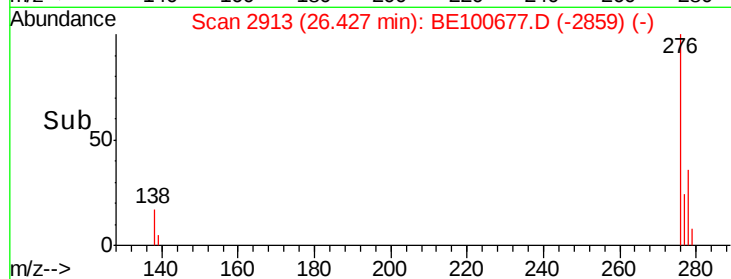
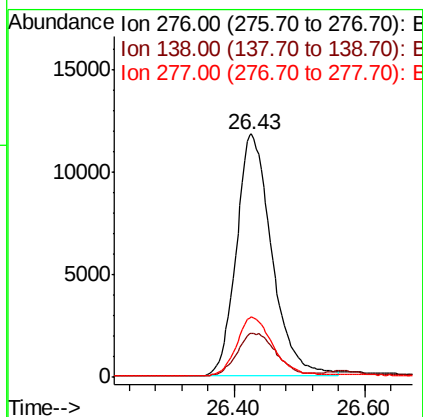
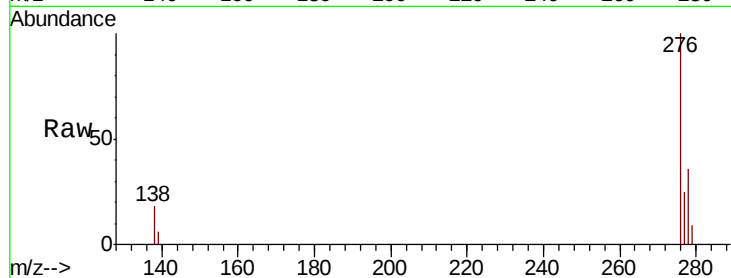




#33
 Indeno(1,2,3-cd)pyrene
 Concen: 0.421 ng
 RT: 26.43 min Scan# 2913
 Delta R.T. -0.01 min
 Lab File: BE100677.D
 Acq: 28 Oct 2019 17:14

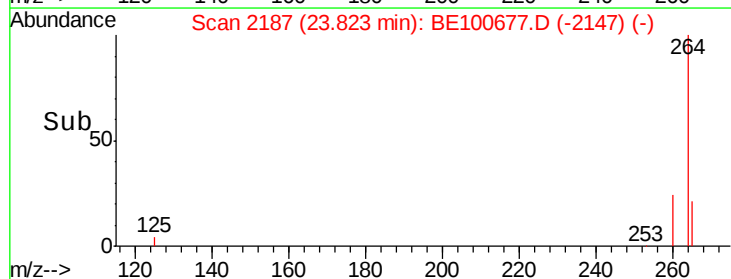
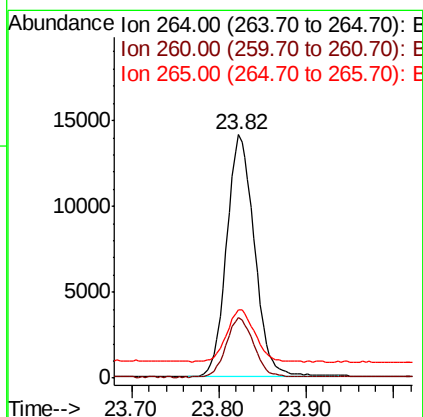
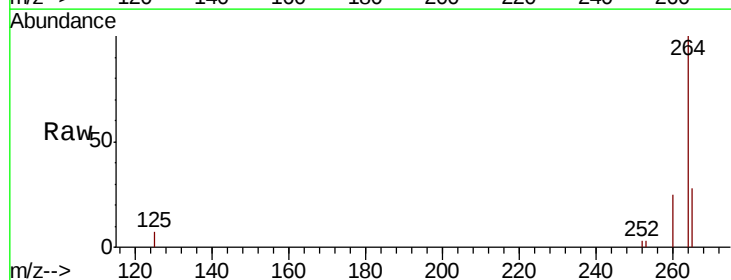
Instrument :
 BNA_E
 ClientSampleId :
 PB124301BS

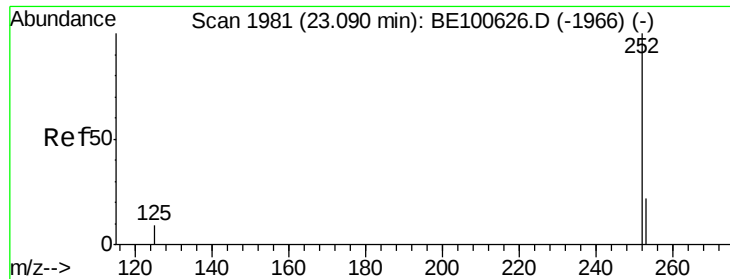
Tot Ion:276 Resp: 44592
 Ion Ratio Lower Upper
 276 100
 138 19.4 15.3 22.9
 277 24.8 19.4 29.2



#34
 Perylene-d12
 Concen: 0.400 ng
 RT: 23.82 min Scan# 2187
 Delta R.T. -0.01 min
 Lab File: BE100677.D
 Acq: 28 Oct 2019 17:14

Tgt Ion:264 Resp: 31410
 Ion Ratio Lower Upper
 264 100
 260 24.7 19.4 29.2
 265 28.1 21.7 32.5

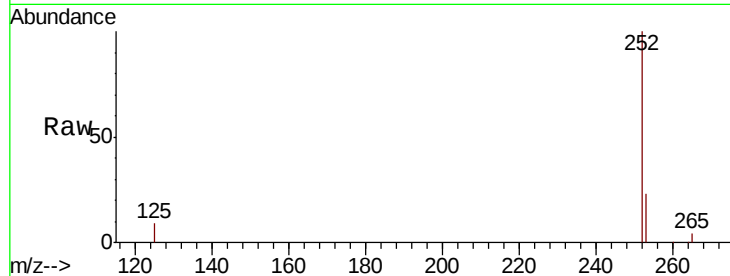




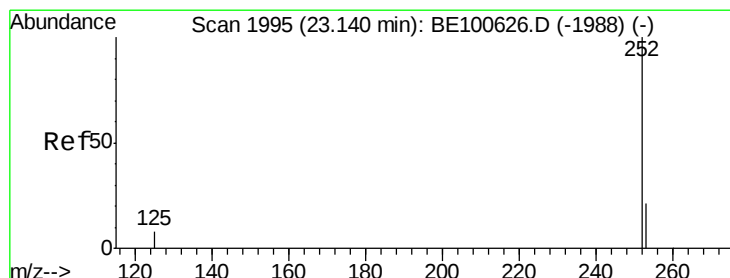
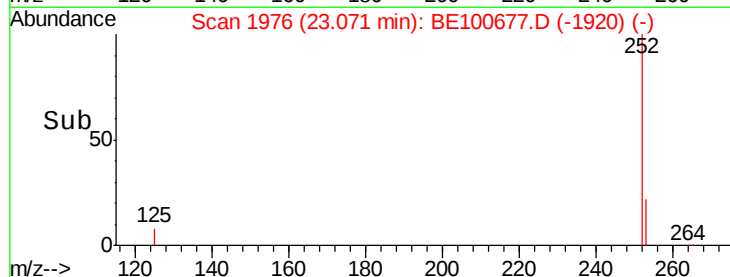
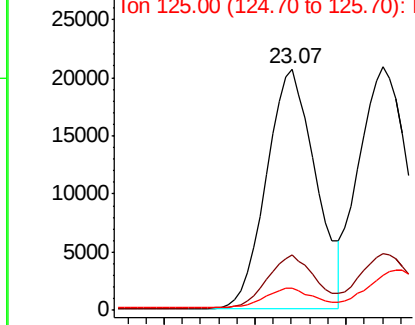
#35
Benzo(b)fluoranthene
Concen: 0.422 ng
RT: 23.07 min Scan# 1976
Delta R.T. -0.00 min
Lab File: BE100677.D
Acq: 28 Oct 2019 17:14

Instrument :
BNA_E
ClientSampleId :
PB124301BS

Tot Ion:252 Resp: 38682
Ion Ratio Lower Upper
252 100
253 22.8 18.4 27.6
125 9.2 7.6 11.4

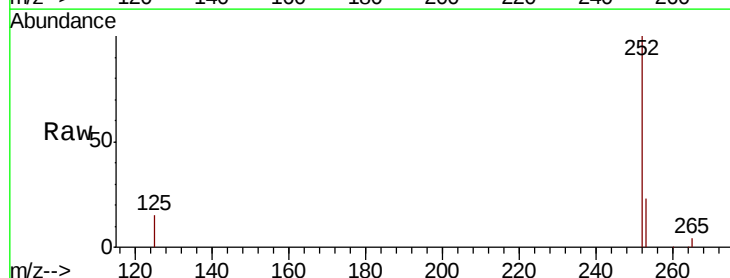


Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E

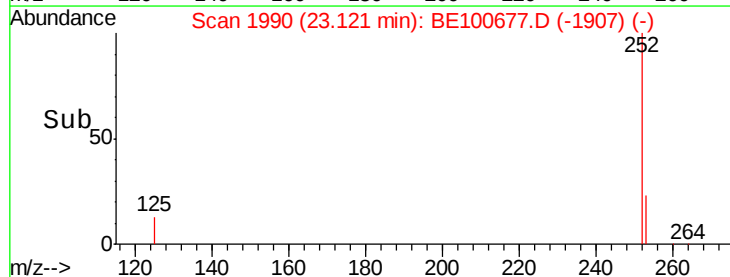
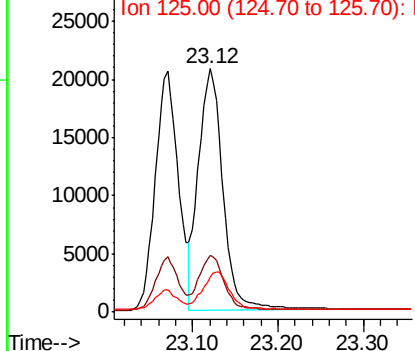


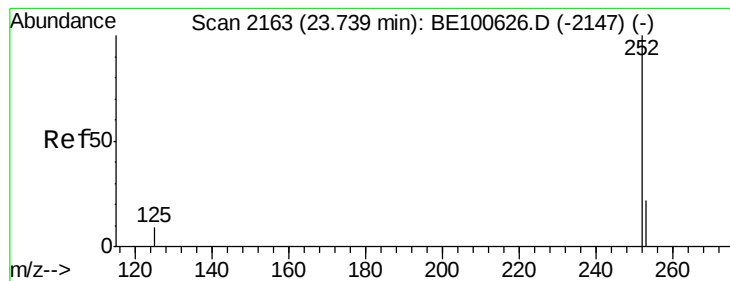
#36
Benzo(k)fluoranthene
Concen: 0.438 ng
RT: 23.12 min Scan# 1990
Delta R.T. -0.00 min
Lab File: BE100677.D
Acq: 28 Oct 2019 17:14

Tgt Ion:252 Resp: 41215
Ion Ratio Lower Upper
252 100
253 23.2 18.4 27.6
125 14.6 11.6 17.4



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: 0.421 ng

RT: 23.71 min Scan# 2156

Delta R.T. -0.01 min

Lab File: BE100677.D

Acq: 28 Oct 2019 17:14

Instrument :

BNA_E

ClientSampleId :

PB124301BS

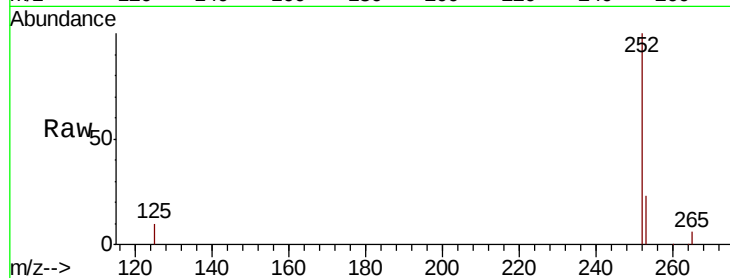
Tot Ion:252 Resp: 35893

Ion Ratio Lower Upper

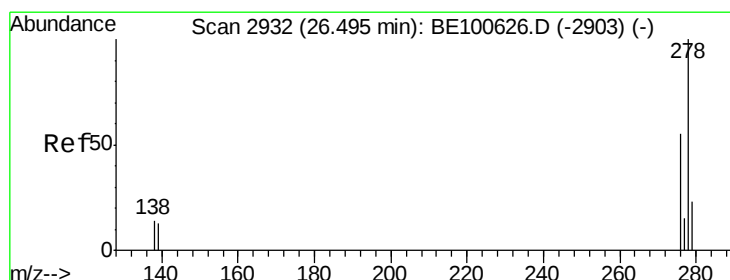
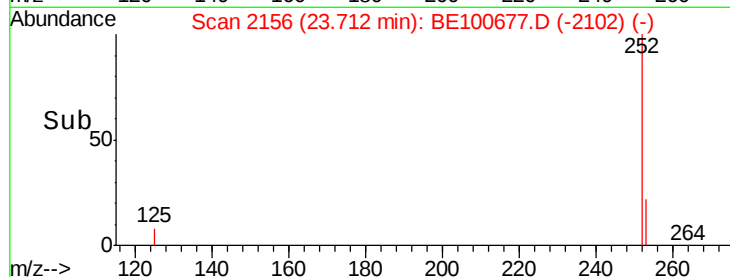
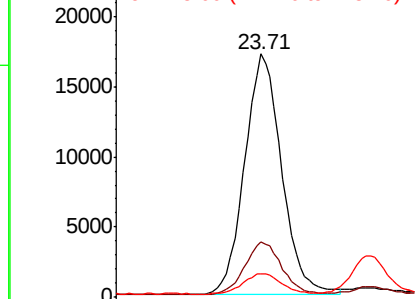
252 100

253 22.7 18.4 27.6

125 9.9 8.2 12.4



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



#38

Dibenzo(a,h)anthracene

Concen: 0.425 ng

RT: 26.45 min Scan# 2920

Delta R.T. -0.01 min

Lab File: BE100677.D

Acq: 28 Oct 2019 17:14

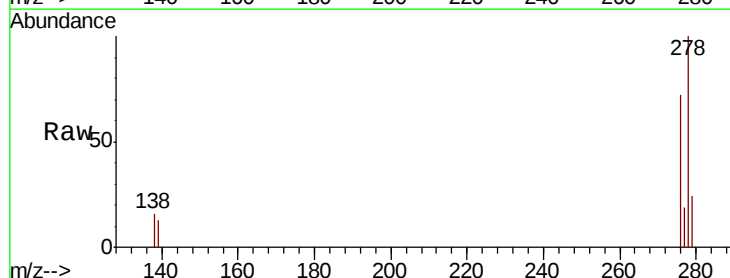
Tgt Ion:278 Resp: 37408

Ion Ratio Lower Upper

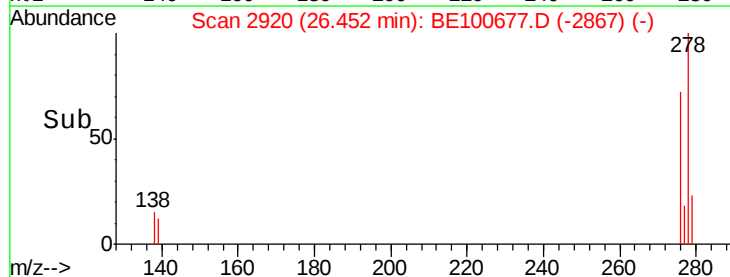
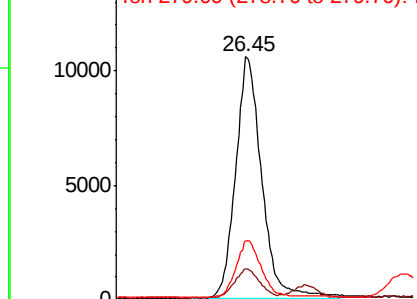
278 100

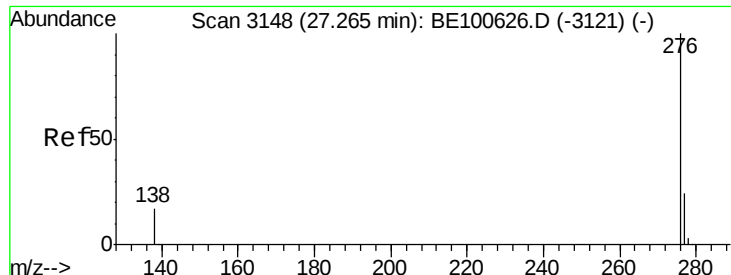
139 13.0 10.9 16.3

279 24.5 19.4 29.2



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: 0.431 ng

RT: 27.22 min Scan# 3136

Delta R.T. -0.01 min

Lab File: BE100677.D

Acq: 28 Oct 2019 17:14

Instrument :

BNA_E

ClientSampleId :

PB124301BS

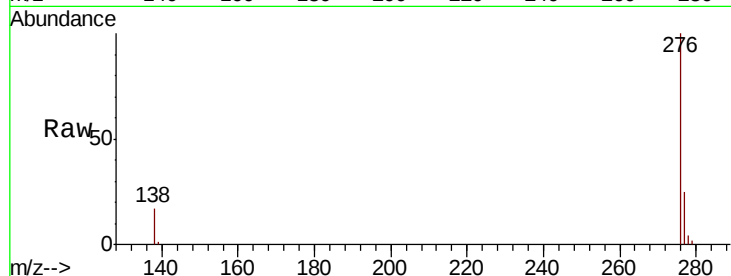
Tot Ion: 276 Resp: 38236

Ion Ratio Lower Upper

276 100

277 24.9 19.4 29.0

138 17.2 13.6 20.4



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

