

Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE102819\
 Data File : BE100676.D
 Acq On : 28 Oct 2019 16:38
 Operator : JU
 Sample : PB124339BS
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 PB124339BS

Quant Time: Oct 29 11:52:27 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	3184	0.40	ng	0.00
7) Naphthalene-d8	10.63	136	13521	0.40	ng	0.00
13) Acenaphthene-d10	14.47	164	8357	0.40	ng	0.00
19) Phenanthrene-d10	17.19	188	19868	0.40	ng	-0.01
27) Chrysene-d12	21.35	240	26498	0.40	ng	0.00
34) Perylene-d12	23.82	264	31293	0.40	ng	0.00

System Monitoring Compounds						
4) 2-Fluorophenol	5.45	112	3957	0.40	ng	0.00
5) Phenol-d6	7.01	99	5587	0.40	ng	0.00
8) Nitrobenzene-d5	8.99	82	4424	0.53	ng	0.00
11) 2-Methylnaphthalene-d10	12.22	152	9359	0.44	ng	0.00
14) 2,4,6-Tribromophenol	15.94	330	1014	0.46	ng	0.00
15) 2-Fluorobiphenyl	13.10	172	13417	0.44	ng	0.00
25) Fluoranthene-d10	19.22	212	115181	0.45	ng	0.00
29) Terphenyl-d14	19.82	244	25708	0.44	ng	0.00

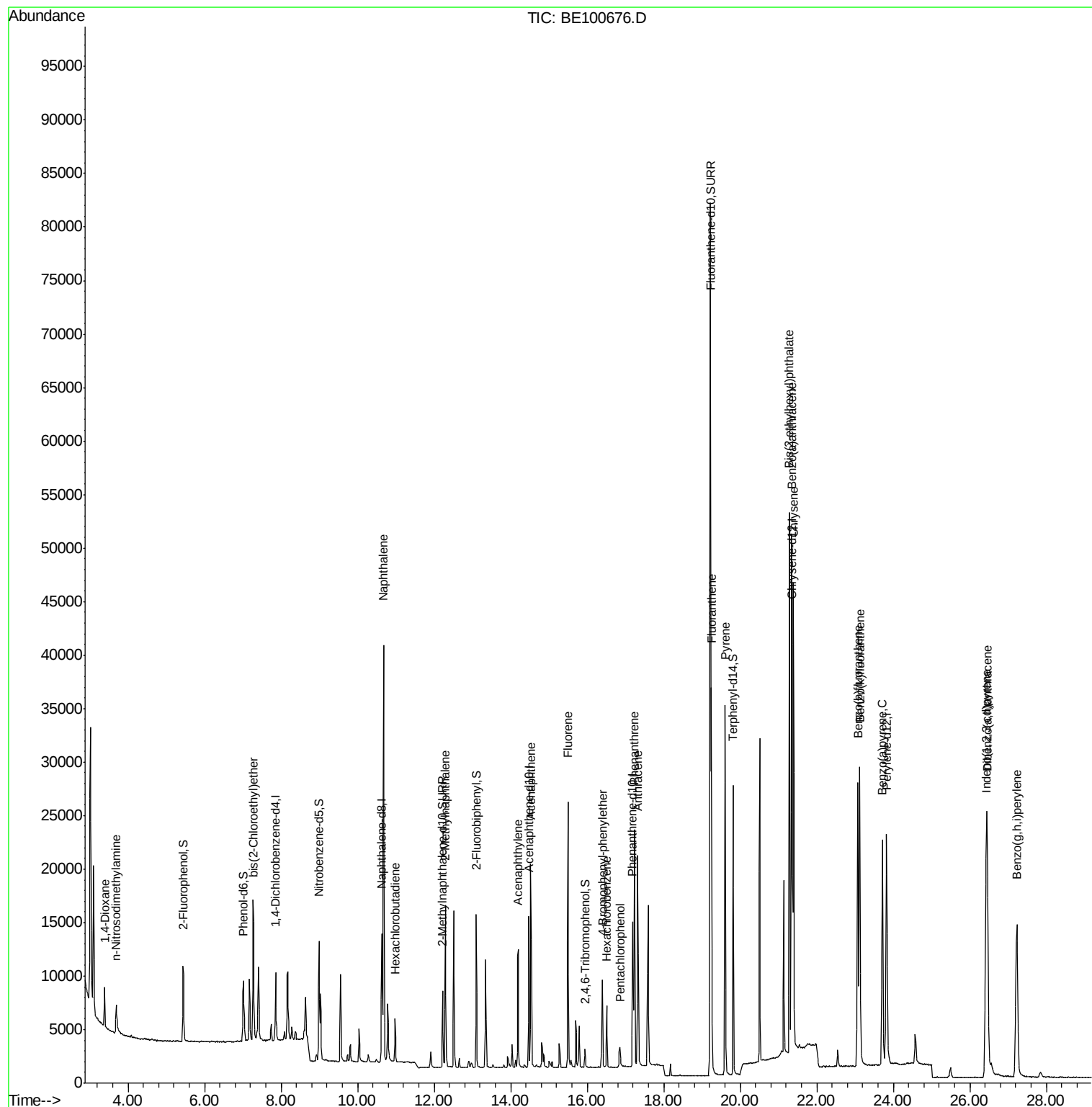
Target Compounds				Qvalue		
2) 1,4-Dioxane	3.38	88	2999	0.528	ng	95
3) n-Nitrosodimethylamine	3.70	42	2380	0.396	ng	# 93
6) bis(2-Chloroethyl)ether	7.28	93	5113	0.449	ng	99
9) Naphthalene	10.68	128	63074	0.444	ng	100
10) Hexachlorobutadiene	10.98	225	2727	0.441	ng	97
12) 2-Methylnaphthalene	12.29	142	10653	0.440	ng	98
16) Acenaphthylene	14.20	152	15524	0.432	ng	98
17) Acenaphthene	14.53	154	10256	0.441	ng	99
18) Fluorene	15.50	166	13949	0.452	ng	99
20) 4-Bromophenyl-phenylether	16.40	248	4569	0.452	ng	90
21) Hexachlorobenzene	16.51	284	4348	0.451	ng	98
22) Pentachlorophenol	16.85	266	1237	0.399	ng	98
23) Phenanthrene	17.23	178	24630	0.451	ng	100
24) Anthracene	17.32	178	21436	0.423	ng	99
26) Fluoranthene	19.25	202	32739	0.459	ng	100
28) Pyrene	19.60	202	33402	0.451	ng	100
30) Benzo(a)anthracene	21.34	228	37184	0.430	ng	99
31) Chrysene	21.39	228	38488	0.446	ng	99
32) Bis(2-ethylhexyl)phthalate	21.28	149	65840	0.364	ng	100
33) Indeno(1,2,3-cd)pyrene	26.42	276	44665	0.421	ng	99
35) Benzo(b)fluoranthene	23.07	252	38332	0.420	ng	99
36) Benzo(k)fluoranthene	23.12	252	40076	0.427	ng	99
37) Benzo(a)pyrene	23.71	252	35117	0.413	ng	100
38) Dibenzo(a,h)anthracene	26.46	278	37157	0.423	ng	100
39) Benzo(g,h,i)perylene	27.22	276	37839	0.429	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: BE100676.D

Acq: 28 Oct 2019 16:38

Instrument :

BNA_E

ClientSampleId :

PB124339BS

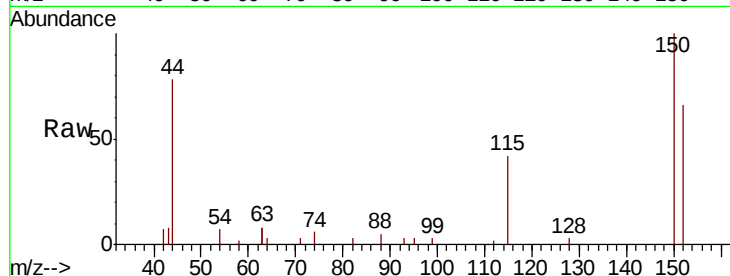
Tot Ion:152 Resp: 3184

Ion Ratio Lower Upper

152 100

150 150.7 123.3 184.9

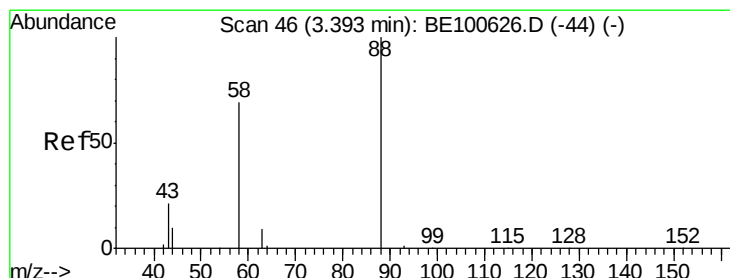
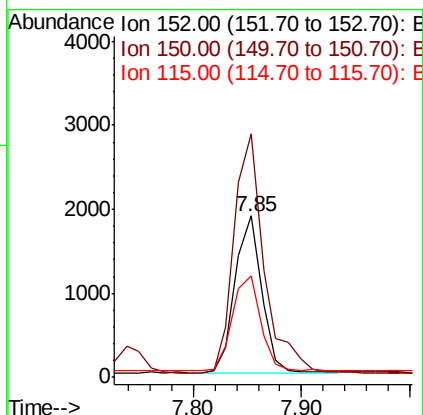
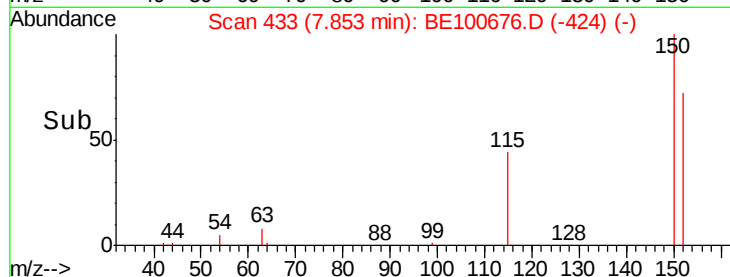
115 63.0 51.9 77.9



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: 0.528 ng

RT: 3.38 min Scan# 45

Delta R.T. 0.00 min

Lab File: BE100676.D

Acq: 28 Oct 2019 16:38

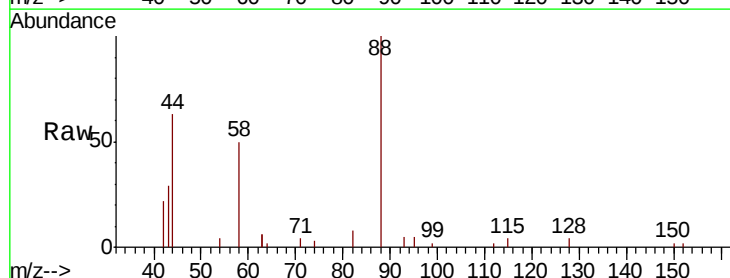
Tgt Ion: 88 Resp: 2999

Ion Ratio Lower Upper

88 100

58 69.6 59.8 89.6

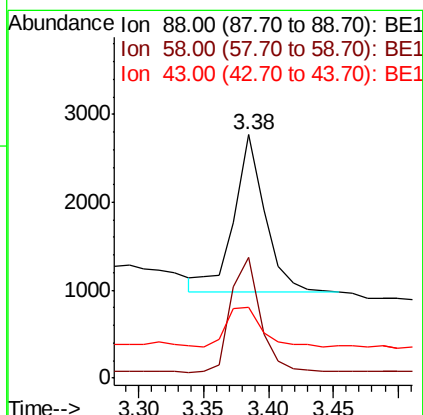
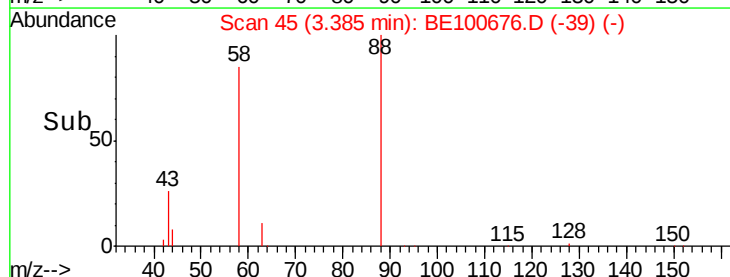
43 28.7 24.6 36.8



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: 0.396 ng

RT: 3.70 min Scan# 72

Delta R.T. 0.00 min

Lab File: BE100676.D

Acq: 28 Oct 2019 16:38

Instrument :

BNA_E

ClientSampleId :

PB124339BS

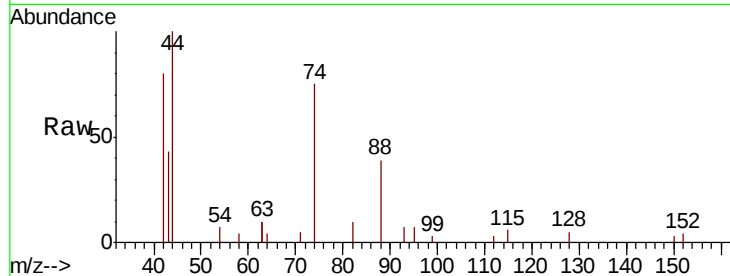
Tot Ion: 42 Resp: 2380

Ion Ratio Lower Upper

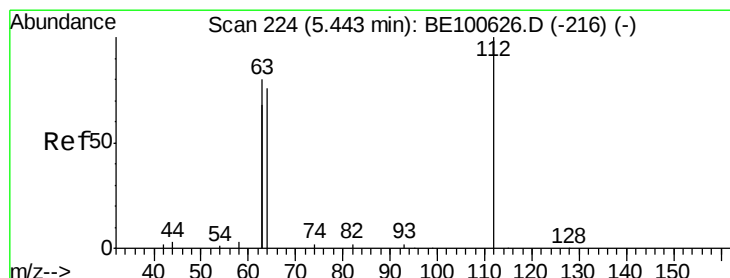
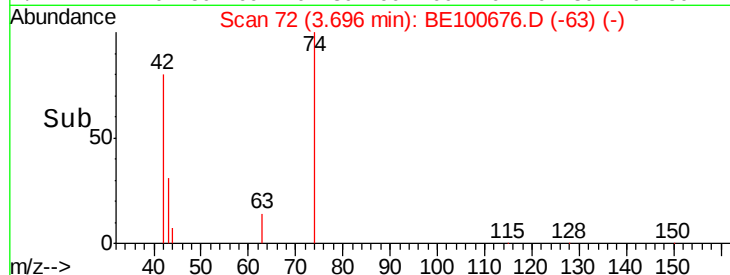
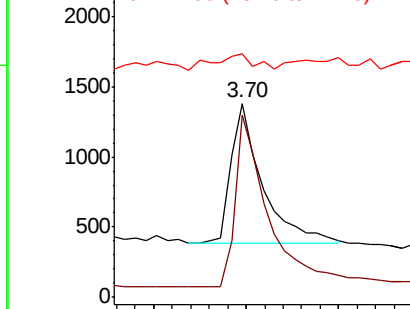
42 100

74 127.6 97.2 145.8

44 13.4 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: 0.402 ng

RT: 5.45 min Scan# 224

Delta R.T. 0.00 min

Lab File: BE100676.D

Acq: 28 Oct 2019 16:38

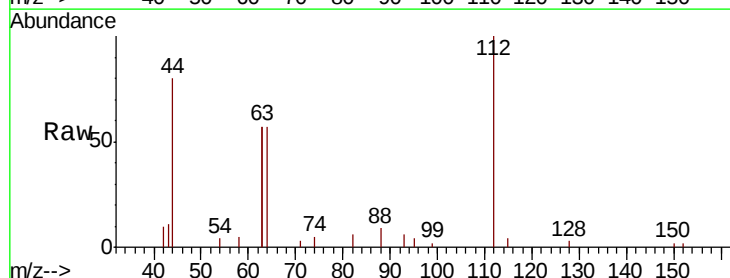
Tgt Ion: 112 Resp: 3957

Ion Ratio Lower Upper

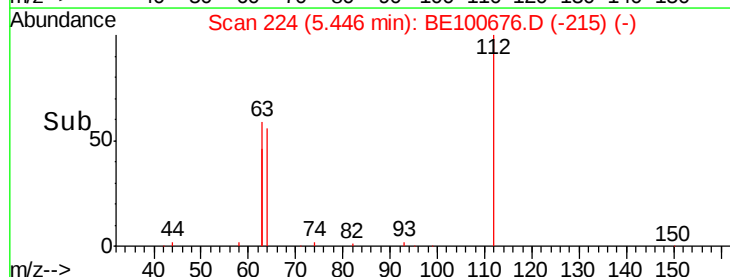
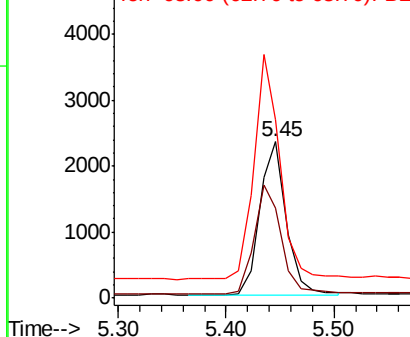
112 100

64 72.1 55.4 83.2

63 142.2 114.2 171.4



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: 0.403 ng

RT: 7.01 min Scan# 360

Delta R.T. 0.00 min

Lab File: BE100676.D

Acq: 28 Oct 2019 16:38

Instrument :

BNA_E

ClientSampleId :

PB124339BS

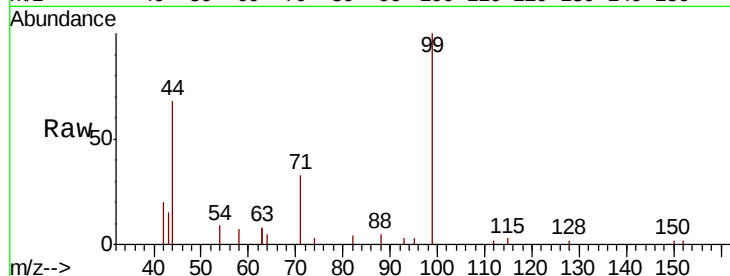
Tot Ion: 99 Resp: 5587

Ion Ratio Lower Upper

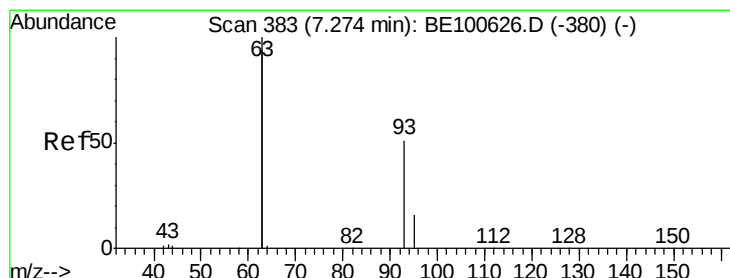
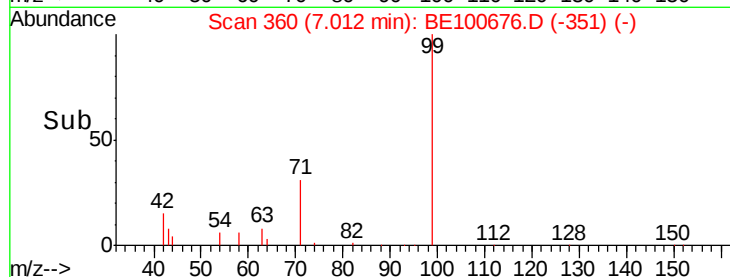
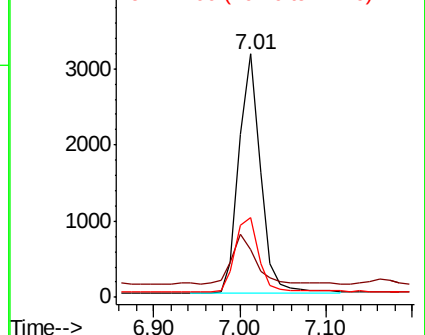
99 100

42 23.3 17.7 26.5

71 33.9 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: 0.449 ng

RT: 7.28 min Scan# 383

Delta R.T. 0.00 min

Lab File: BE100676.D

Acq: 28 Oct 2019 16:38

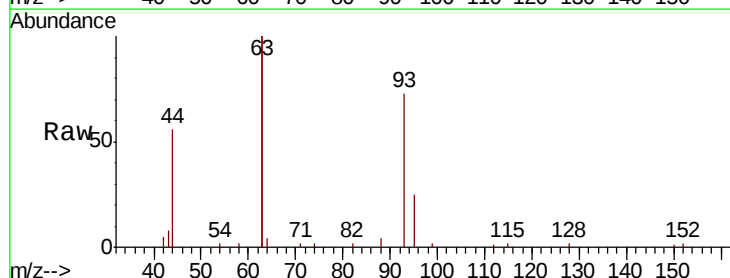
Tgt Ion: 93 Resp: 5113

Ion Ratio Lower Upper

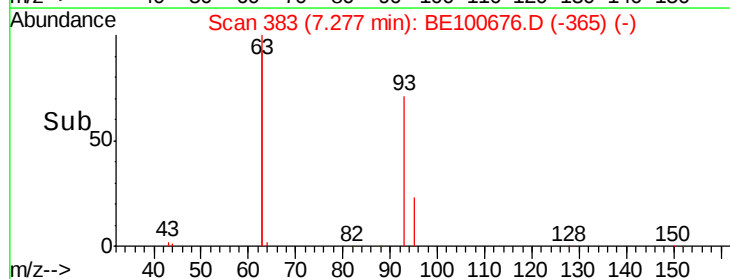
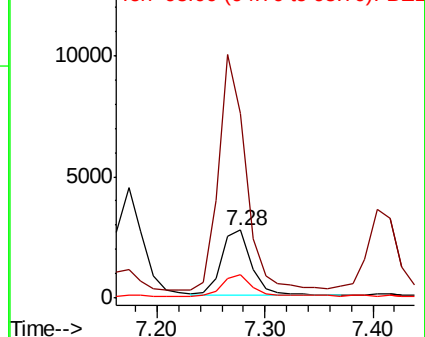
93 100

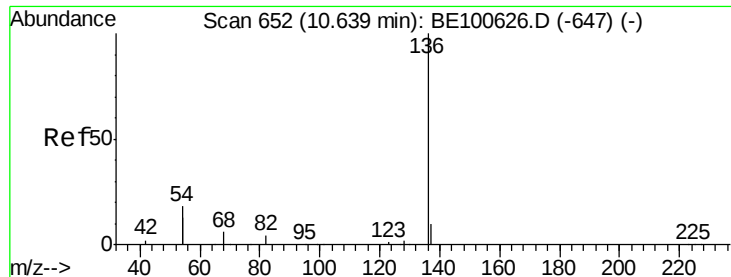
63 333.2 268.8 403.2

95 30.6 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: BE100676.D

Acq: 28 Oct 2019 16:38

Instrument :

BNA_E

ClientSampleId :

PB124339BS

Tot Ion:136 Resp: 13521

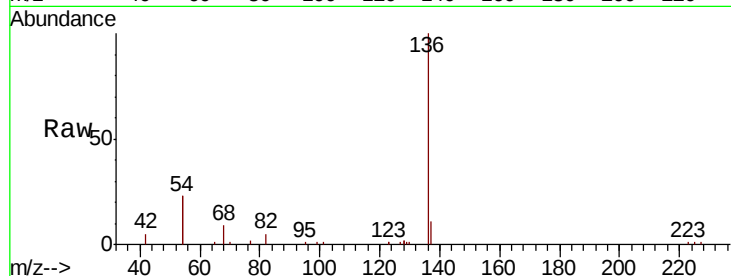
Ion Ratio Lower Upper

136 100

137 11.5 9.2 13.8

54 45.9 39.4 59.2

68 9.3 8.0 12.0

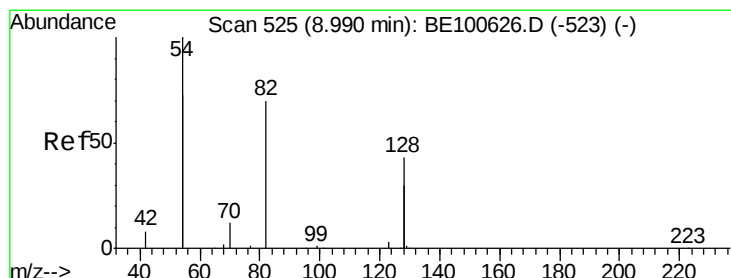
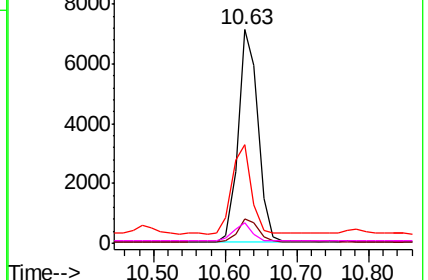
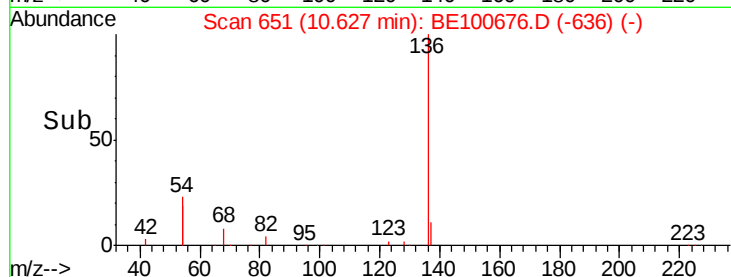


Abundance Ion 136.00 (135.70 to 136.70): E

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: 0.528 ng

RT: 8.99 min Scan# 525

Delta R.T. -0.00 min

Lab File: BE100676.D

Acq: 28 Oct 2019 16:38

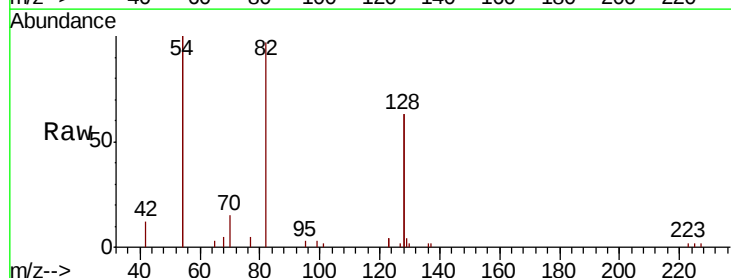
Tgt Ion: 82 Resp: 4424

Ion Ratio Lower Upper

82 100

128 129.5 107.8 161.8

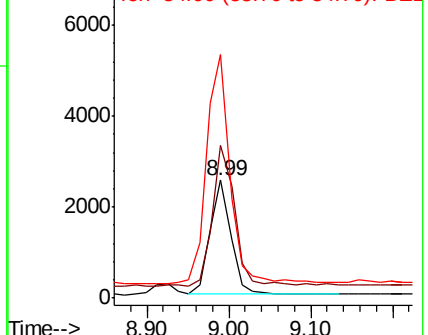
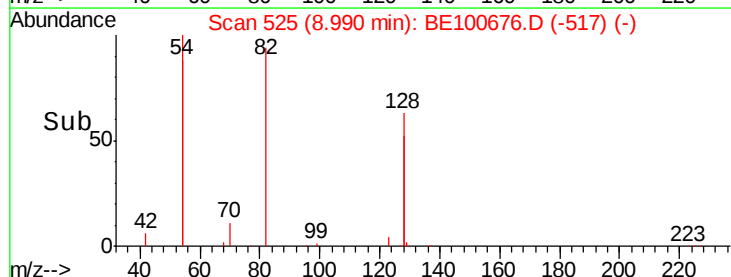
54 206.2 166.1 249.1

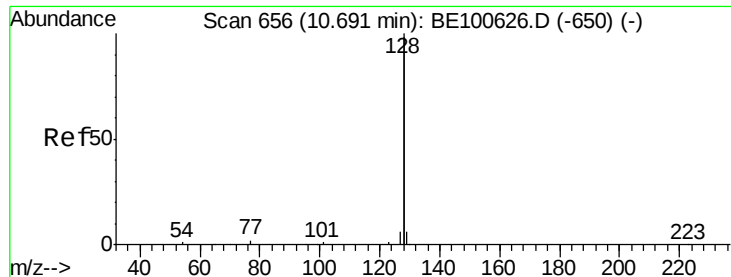


Abundance Ion 82.00 (81.70 to 82.70): BE1

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BE1





#9

Naphthalene

Concen: 0.444 ng

RT: 10.68 min Scan# 655

Delta R.T. -0.00 min

Lab File: BE100676.D

Acq: 28 Oct 2019 16:38

Instrument :

BNA_E

ClientSampleId :

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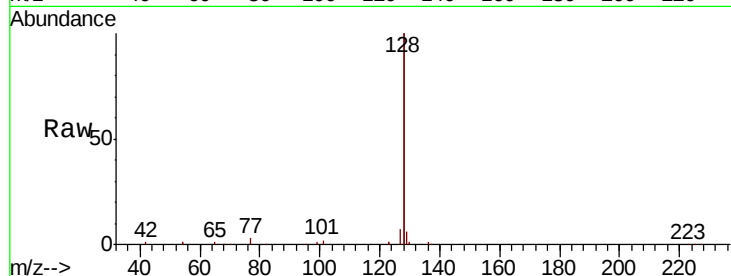
Tot Ion:128 Resp: 63074

Ion Ratio Lower Upper

128 100

129 2.9 2.3 3.5

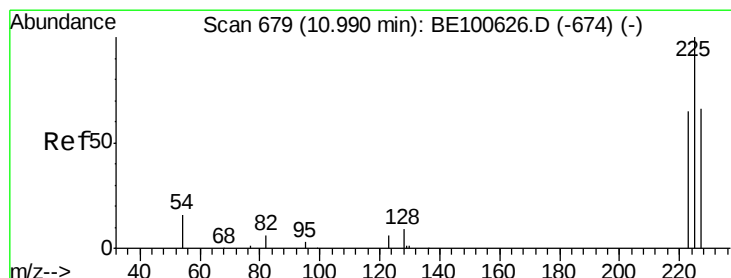
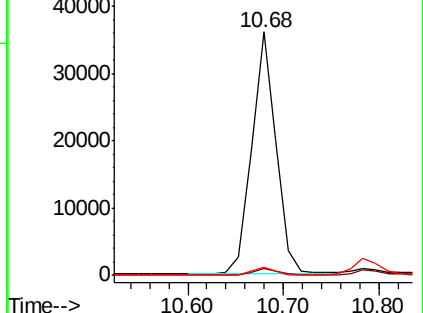
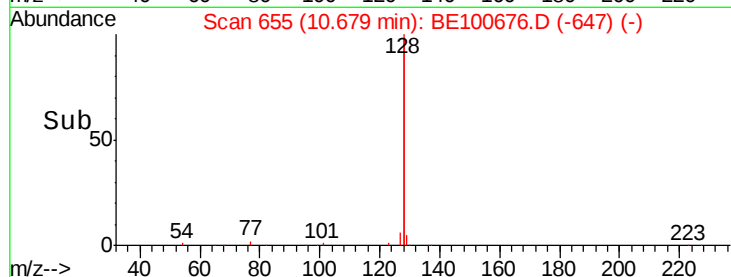
127 3.3 2.7 4.1



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: 0.441 ng

RT: 10.98 min Scan# 678

Delta R.T. -0.00 min

Lab File: BE100676.D

Acq: 28 Oct 2019 16:38

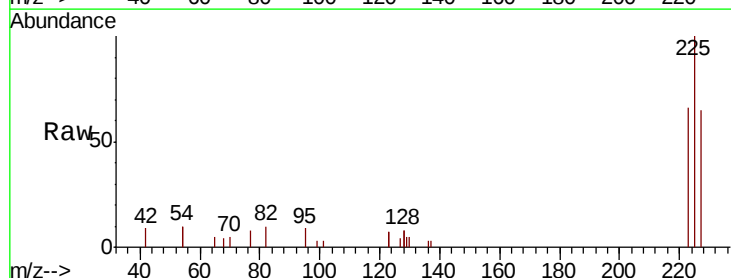
Tgt Ion:225 Resp: 2727

Ion Ratio Lower Upper

225 100

223 65.6 48.6 72.8

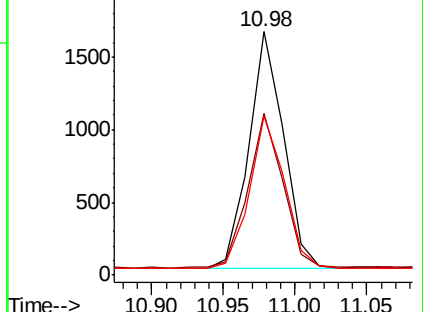
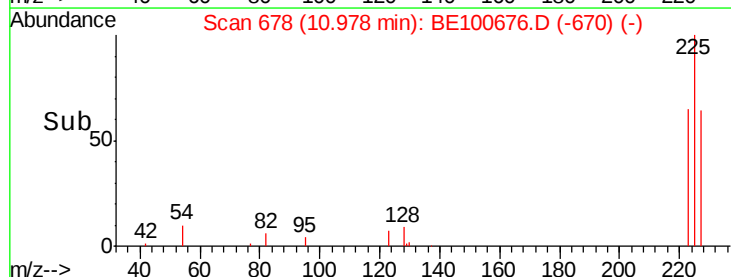
227 64.6 51.6 77.4

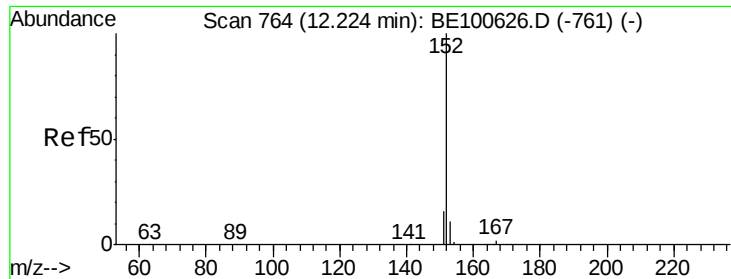


Abundance Ion 225.00 (224.70 to 225.70): E

Ion 223.00 (222.70 to 223.70): E

Ion 227.00 (226.70 to 227.70): E

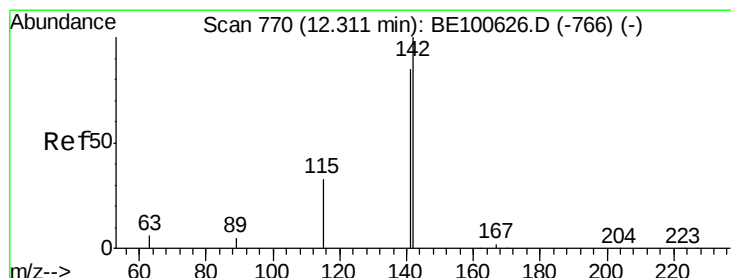
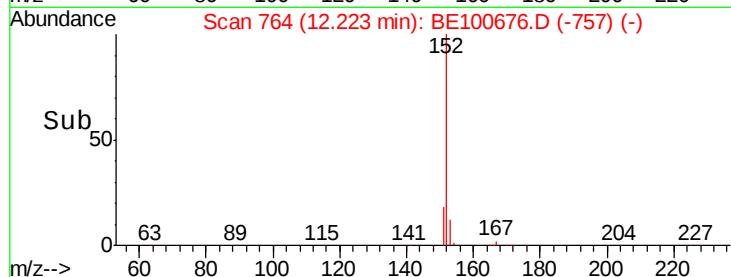
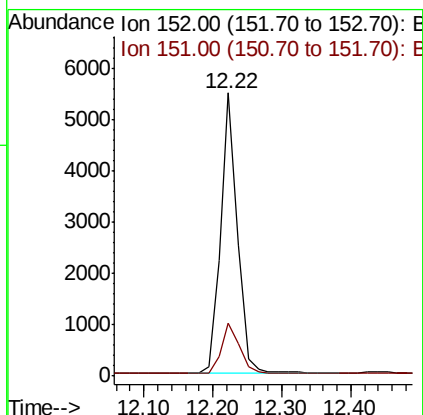
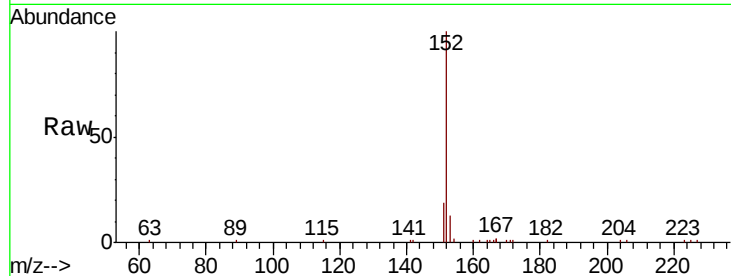




#11
 2-Methylnaphthalene-d10
 Concen: 0.439 ng
 RT: 12.22 min Scan# 764
 Delta R.T. -0.00 min
 Lab File: BE100676.D
 Acq: 28 Oct 2019 16:38

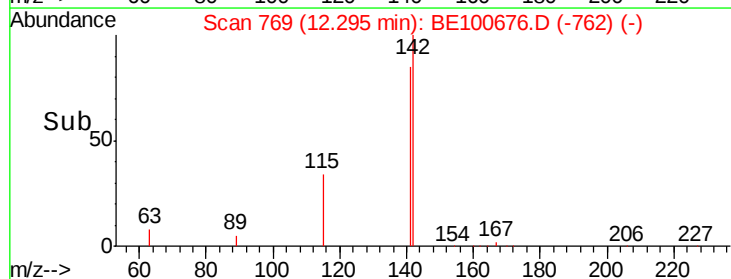
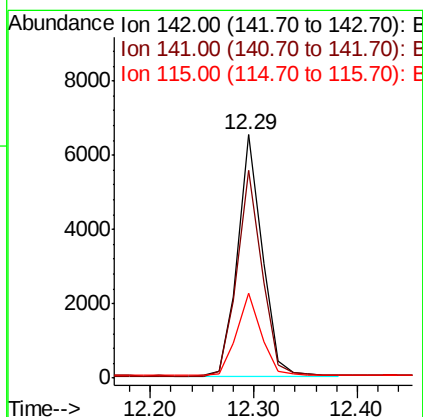
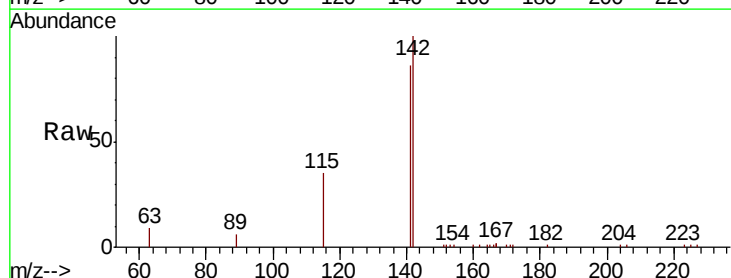
Instrument :
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 PB124339BS

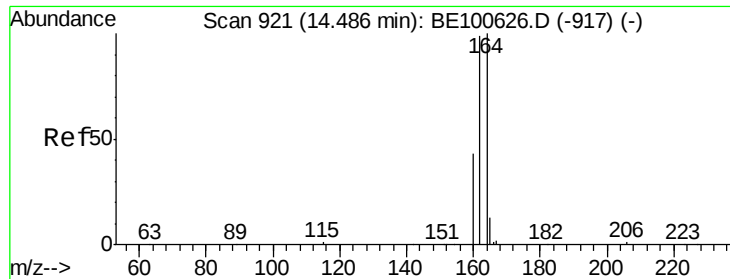
Tot Ion:152 Resp: 9359
 Ion Ratio Lower Upper
 152 100
 151 19.4 14.7 22.1



#12
 2-Methylnaphthalene
 Concen: 0.440 ng
 RT: 12.29 min Scan# 769
 Delta R.T. -0.00 min
 Lab File: BE100676.D
 Acq: 28 Oct 2019 16:38

Tgt Ion:142 Resp: 10653
 Ion Ratio Lower Upper
 142 100
 141 85.6 70.1 105.1
 115 34.9 28.3 42.5

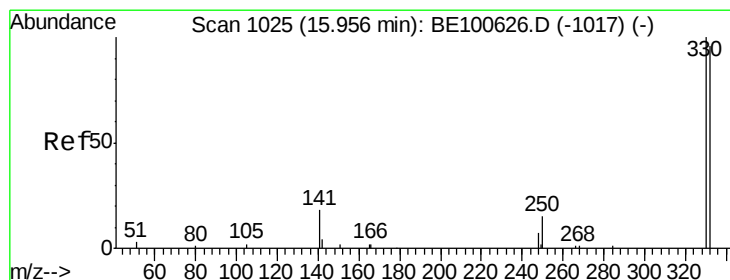
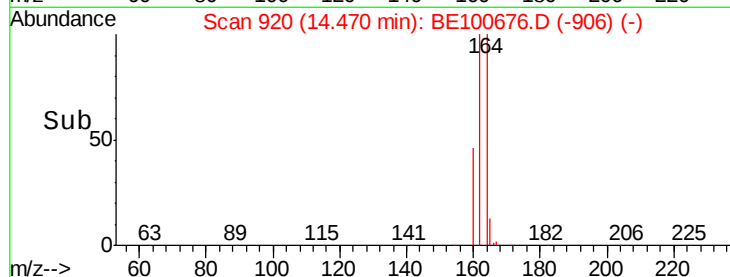
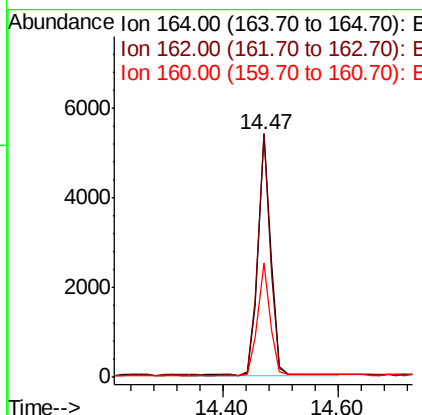
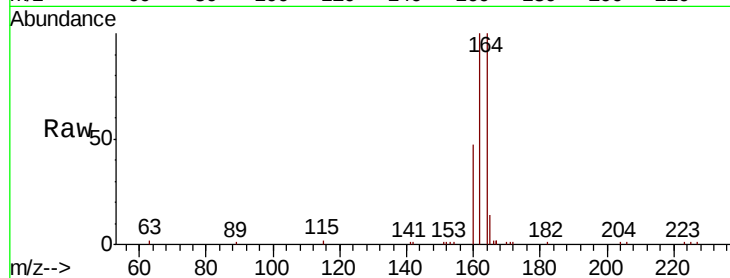




#13
 Acenaphthene-d10
 Concen: 0.400 ng
 RT: 14.47 min Scan# 920
 Delta R.T. -0.00 min
 Lab File: BE100676.D
 Acq: 28 Oct 2019 16:38

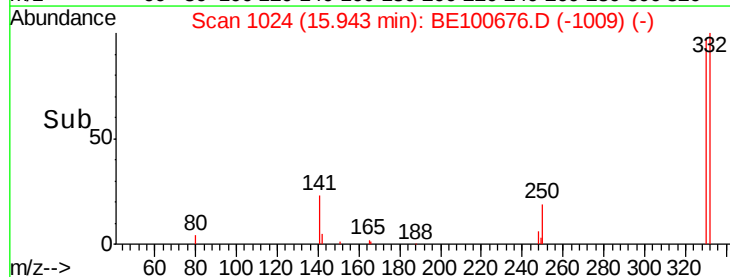
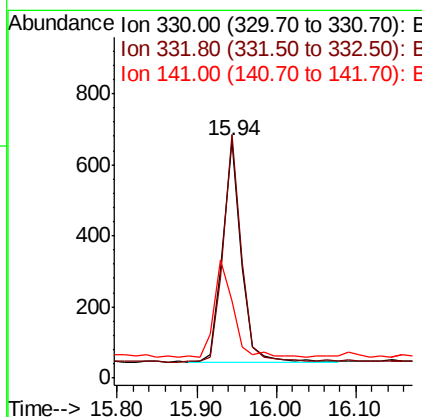
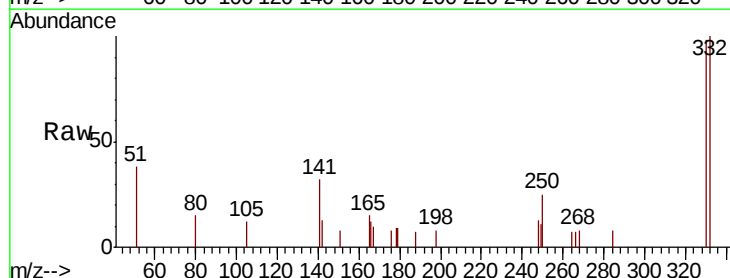
Instrument :
 BNA_E
 ClientSampleId :
 PB124339BS

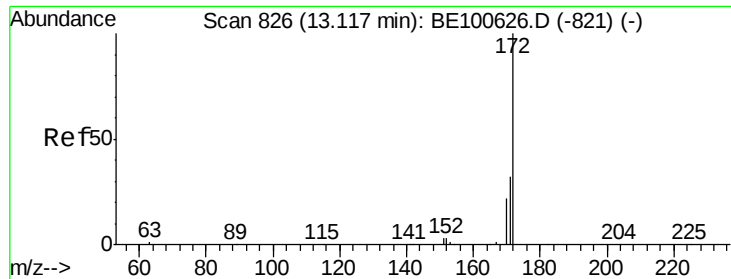
Tot Ion:164 Resp: 8357
 Ion Ratio Lower Upper
 164 100
 162 99.9 82.0 123.0
 160 46.8 37.5 56.3



#14
 2,4,6-Tribromophenol
 Concen: 0.459 ng
 RT: 15.94 min Scan# 1024
 Delta R.T. 0.00 min
 Lab File: BE100676.D
 Acq: 28 Oct 2019 16:38

Tgt Ion:330 Resp: 1014
 Ion Ratio Lower Upper
 330 100
 332 99.4 77.9 116.9
 141 44.9 33.0 49.6

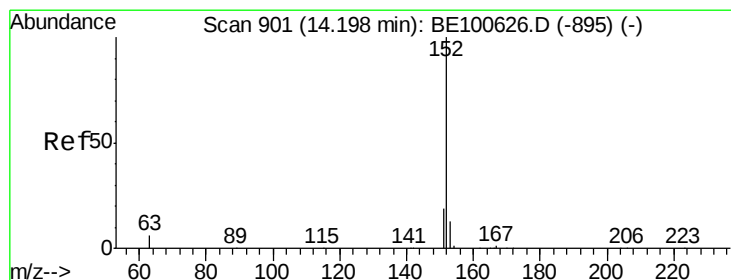
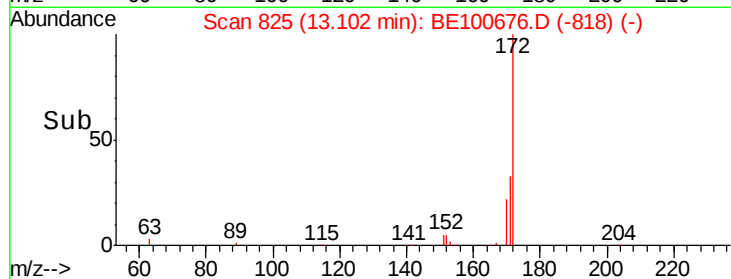
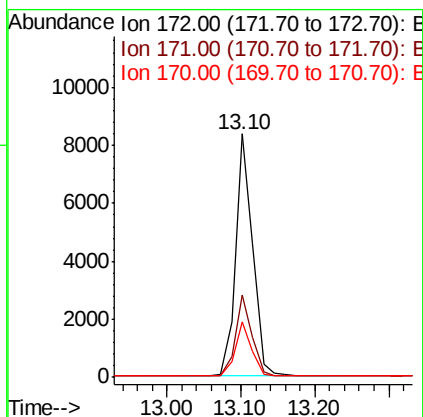
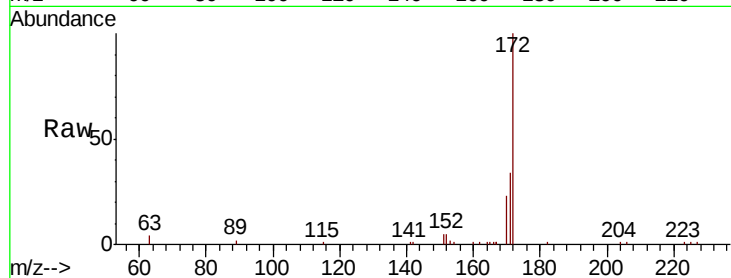




#15
2-Fluorobiphenyl
Concen: 0.441 ng
RT: 13.10 min Scan# 825
Delta R.T. -0.00 min
Lab File: BE100676.D
Acq: 28 Oct 2019 16:38

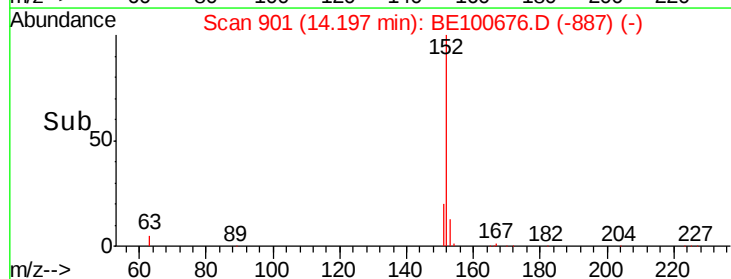
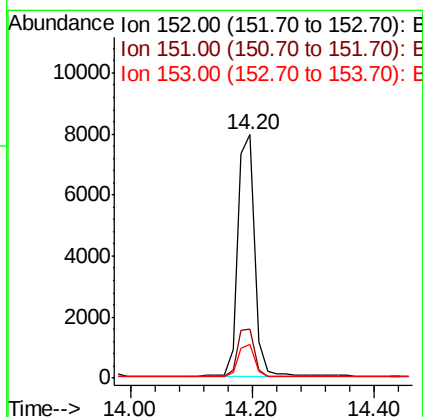
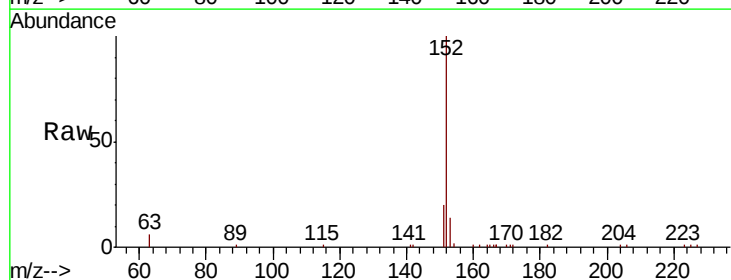
Instrument :
BNA_E
ClientSampleId :
PB124339BS

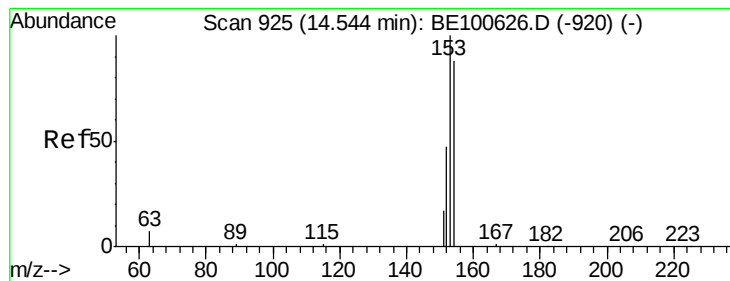
Tot Ion:172 Resp: 13417
Ion Ratio Lower Upper
172 100
171 33.6 26.5 39.7
170 22.5 19.0 28.4



#16
Acenaphthylene
Concen: 0.432 ng
RT: 14.20 min Scan# 901
Delta R.T. -0.00 min
Lab File: BE100676.D
Acq: 28 Oct 2019 16:38

Tgt Ion:152 Resp: 15524
Ion Ratio Lower Upper
152 100
151 20.0 15.2 22.8
153 13.1 10.3 15.5





#17

Acenaphthene

Concen: 0.441 ng

RT: 14.53 min Scan# 924

Delta R.T. -0.00 min

Lab File: BE100676.D

Acq: 28 Oct 2019 16:38

Instrument :

BNA_E

ClientSampleId :

PB124339BS

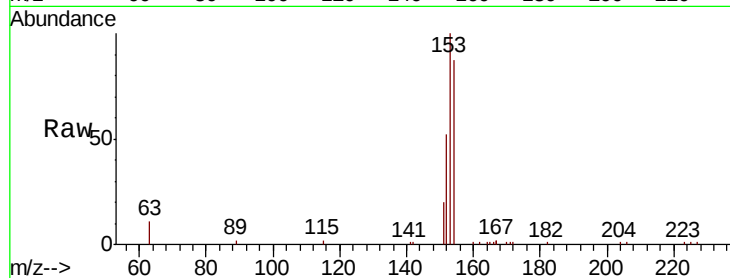
Tot Ion:154 Resp: 10256

Ion Ratio Lower Upper

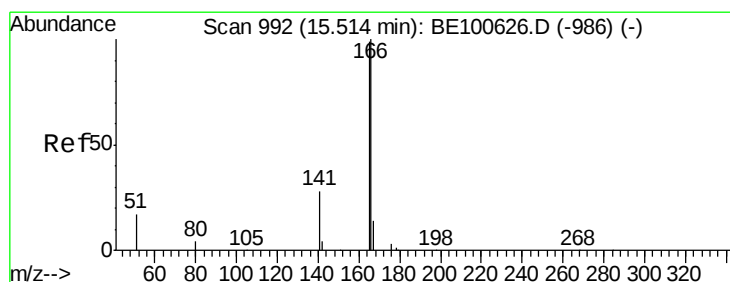
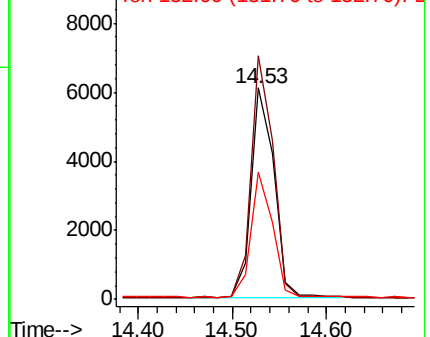
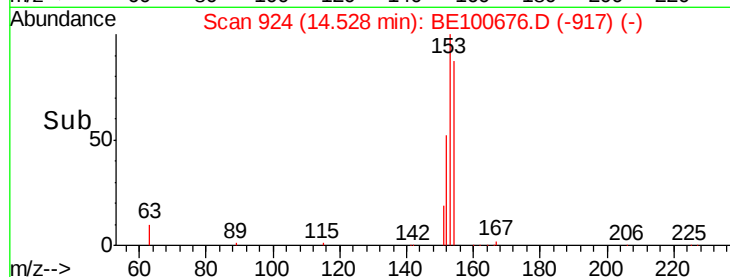
154 100

153 112.6 89.4 134.2

152 56.7 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: 0.452 ng

RT: 15.50 min Scan# 991

Delta R.T. 0.00 min

Lab File: BE100676.D

Acq: 28 Oct 2019 16:38

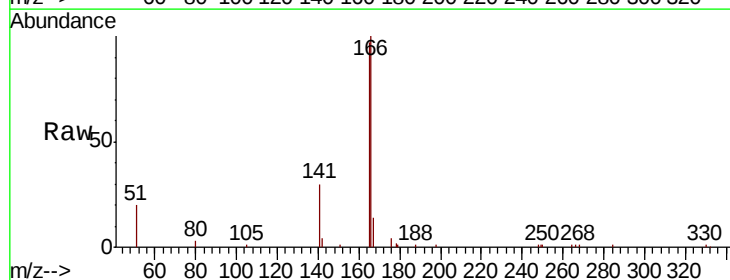
Tgt Ion:166 Resp: 13949

Ion Ratio Lower Upper

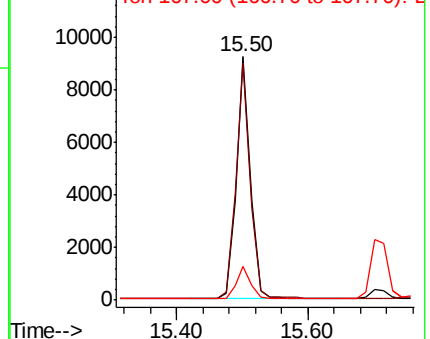
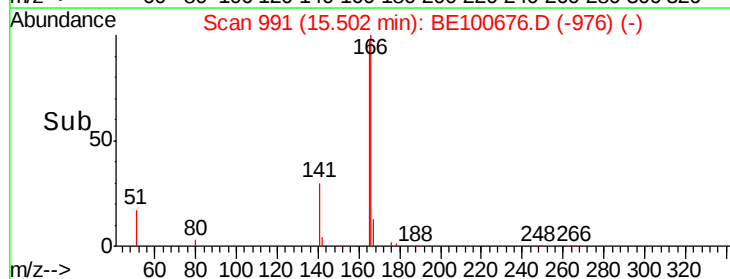
166 100

165 98.9 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: BE100676.D

Acq: 28 Oct 2019 16:38

Instrument :

BNA_E

ClientSampleId :

PB124339BS

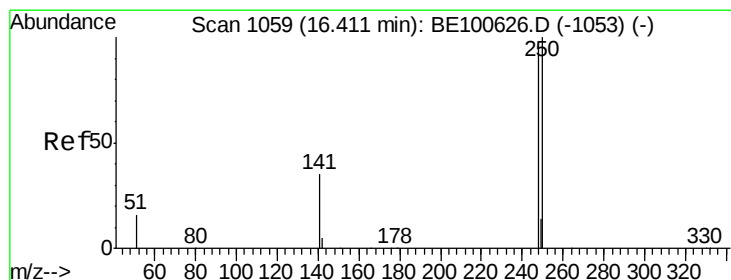
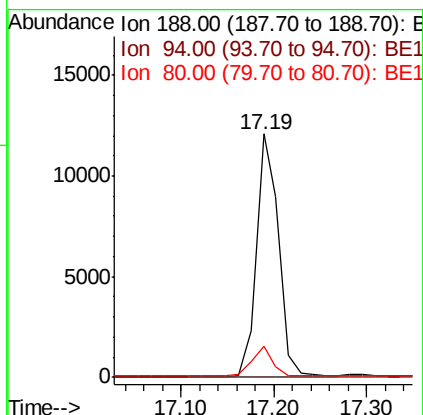
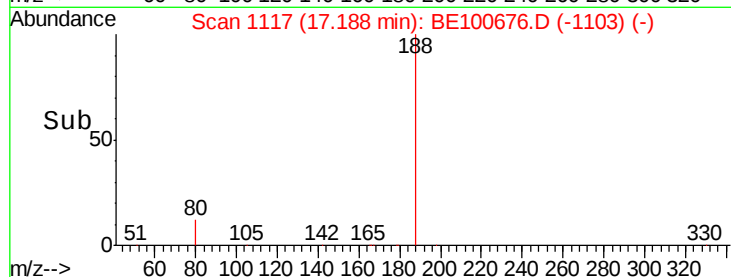
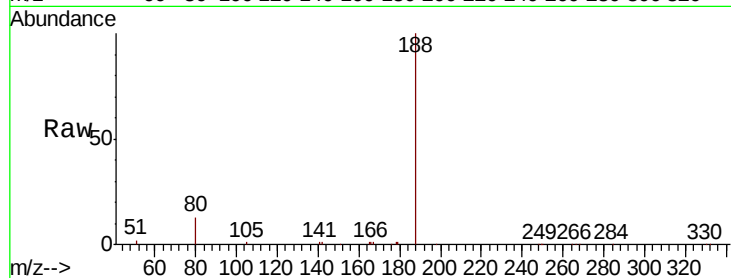
Tot Ion:188 Resp: 19868

Ion Ratio Lower Upper

188 100

94 0.0 0.0 0.0

80 12.8 5.4 8.0#



#20

4-Bromophenyl-phenylether

Concen: 0.452 ng

RT: 16.40 min Scan# 1058

Delta R.T. 0.00 min

Lab File: BE100676.D

Acq: 28 Oct 2019 16:38

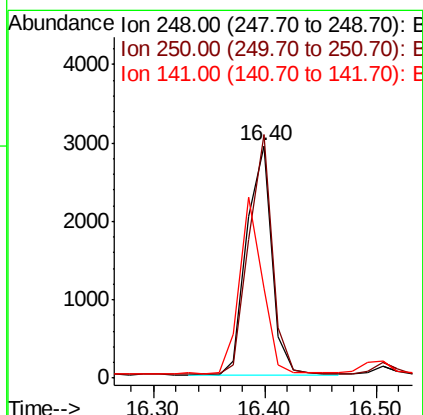
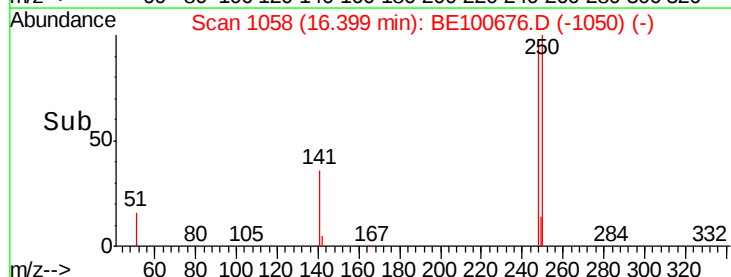
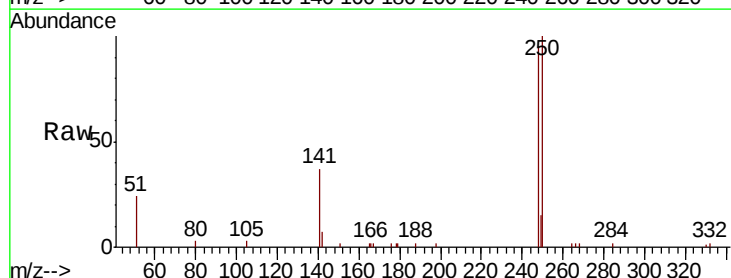
Tgt Ion:248 Resp: 4569

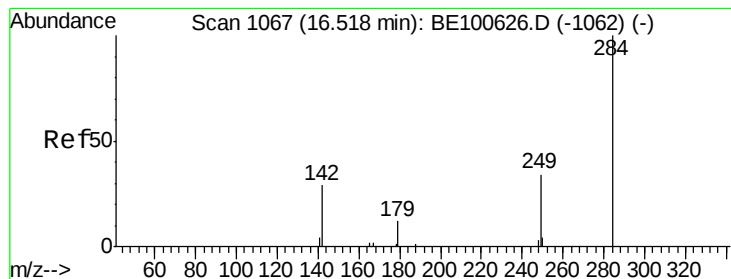
Ion Ratio Lower Upper

248 100

250 104.9 76.3 114.5

141 38.7 37.3 55.9





#21

Hexachlorobenzene

Concen: 0.451 ng

RT: 16.51 min Scan# 1066

Delta R.T. -0.01 min

Lab File: BE100676.D

Acq: 28 Oct 2019 16:38

Instrument :

BNA_E

ClientSampleId :

PB124339BS

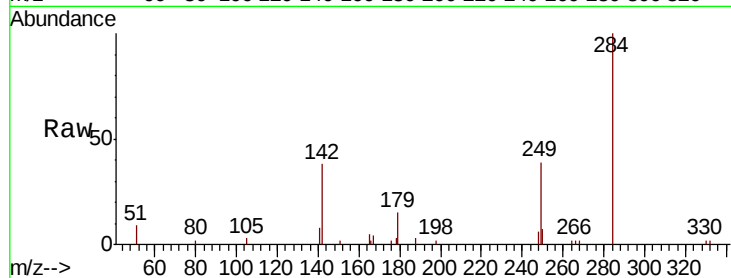
Tot Ion:284 Resp: 4348

Ion Ratio Lower Upper

284 100

142 37.1 28.6 42.8

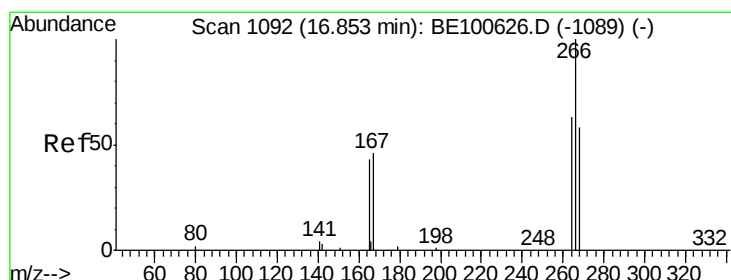
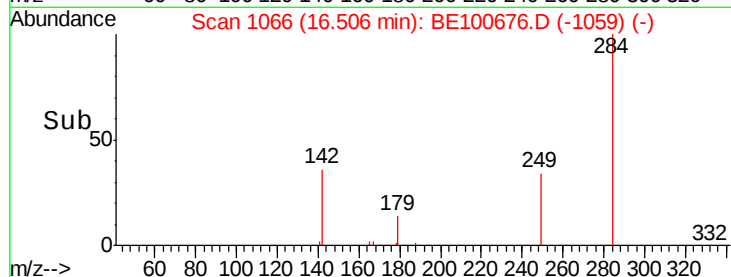
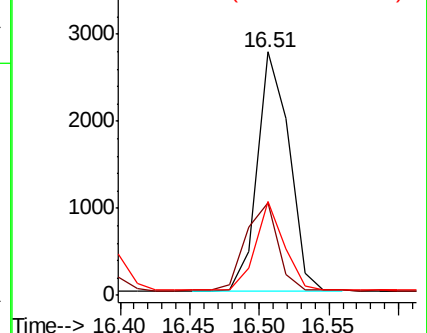
249 33.9 26.3 39.5



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: 0.399 ng

RT: 16.85 min Scan# 1092

Delta R.T. 0.00 min

Lab File: BE100676.D

Acq: 28 Oct 2019 16:38

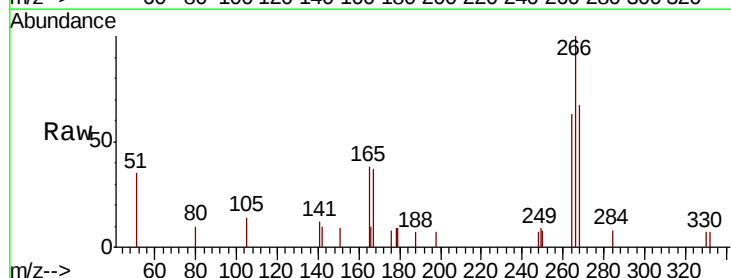
Tgt Ion:266 Resp: 1237

Ion Ratio Lower Upper

266 100

264 62.8 52.2 78.4

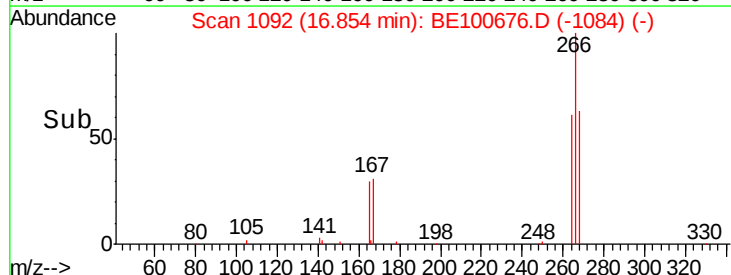
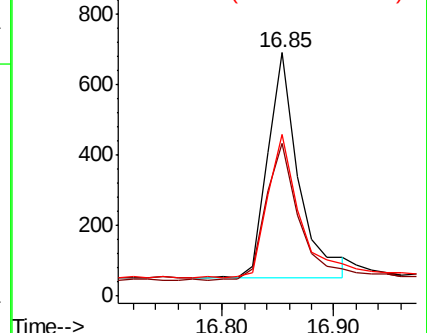
268 66.5 53.1 79.7

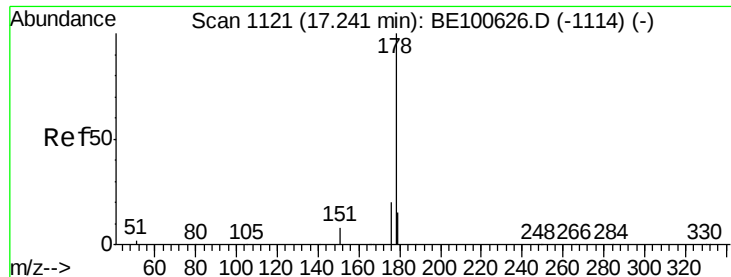


Abundance Ion 266.00 (265.70 to 266.70): E

Ion 264.00 (263.70 to 264.70): E

Ion 268.00 (267.70 to 268.70): E





#23

Phenanthrene

Concen: 0.451 ng

RT: 17.23 min Scan# 1120

Delta R.T. -0.01 min

Lab File: BE100676.D

Acq: 28 Oct 2019 16:38

Instrument :

BNA_E

ClientSampleId :

PB124339BS

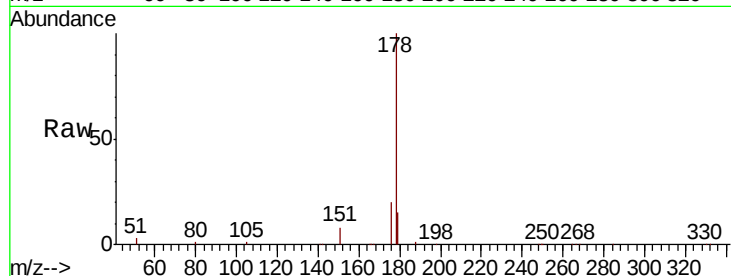
Tot Ion:178 Resp: 24630

Ion Ratio Lower Upper

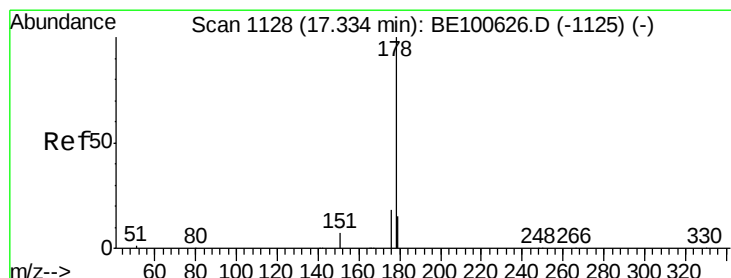
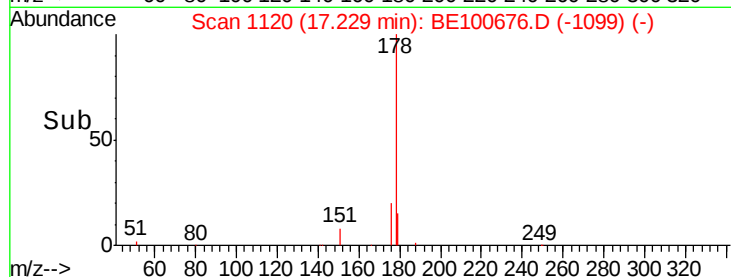
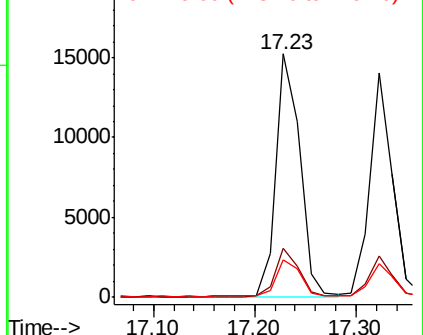
178 100

176 19.0 15.2 22.8

179 15.4 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: 0.423 ng

RT: 17.32 min Scan# 1127

Delta R.T. 0.00 min

Lab File: BE100676.D

Acq: 28 Oct 2019 16:38

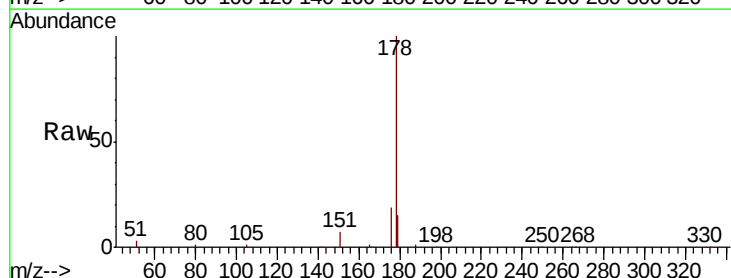
Tgt Ion:178 Resp: 21436

Ion Ratio Lower Upper

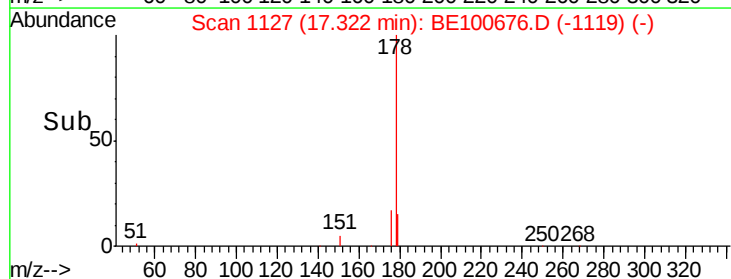
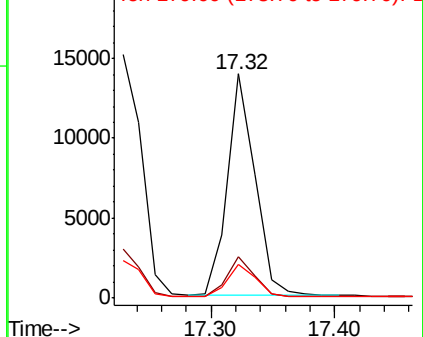
178 100

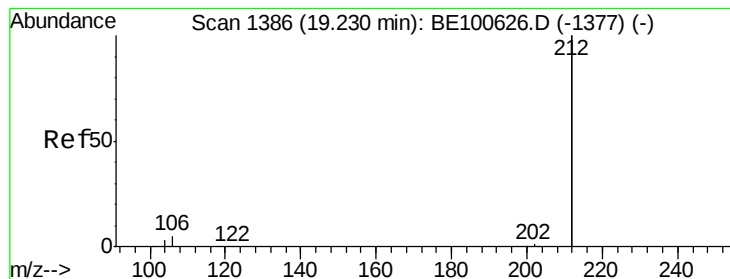
176 18.3 15.0 22.4

179 15.3 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: 0.449 ng

RT: 19.22 min Scan# 1384

Delta R.T. 0.00 min

Lab File: BE100676.D

Acq: 28 Oct 2019 16:38

Instrument :

BNA_E

ClientSampleId :

PB124339BS

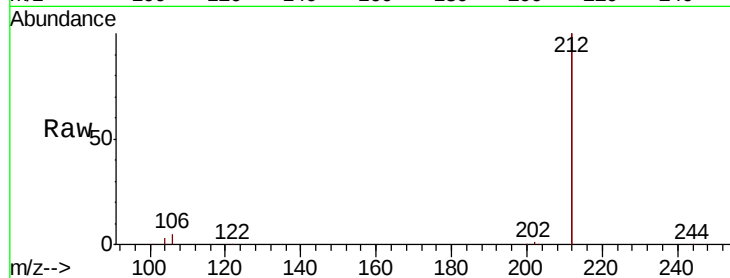
Tot Ion:212 Resp: 115181

Ion Ratio Lower Upper

212 100

106 2.8 2.3 3.5

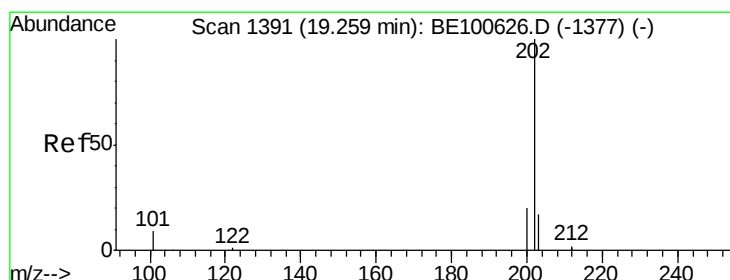
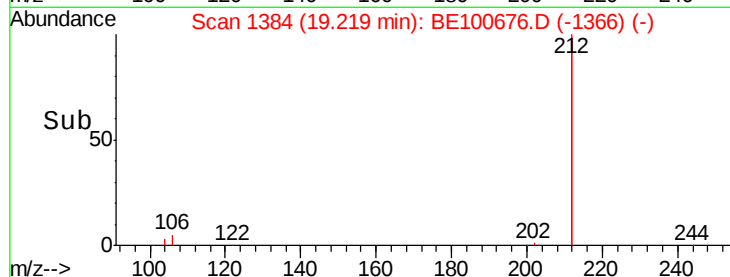
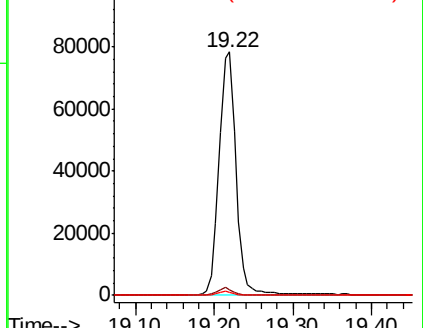
104 1.5 1.3 1.9



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: 0.459 ng

RT: 19.25 min Scan# 1389

Delta R.T. 0.00 min

Lab File: BE100676.D

Acq: 28 Oct 2019 16:38

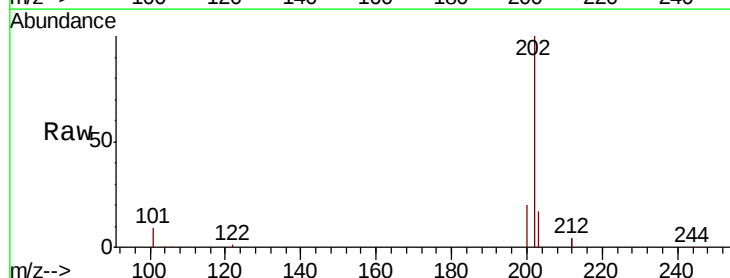
Tgt Ion:202 Resp: 32739

Ion Ratio Lower Upper

202 100

101 10.4 8.5 12.7

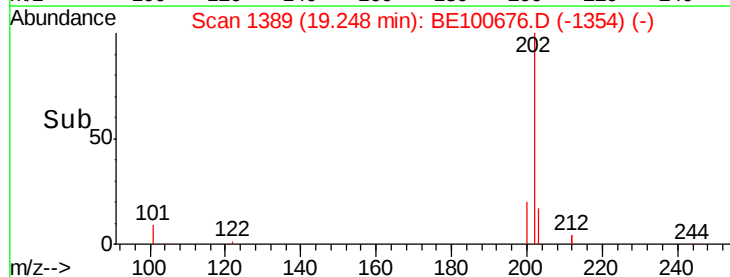
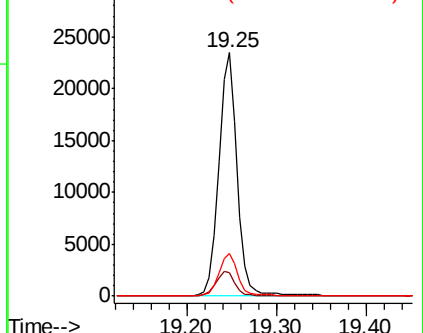
203 17.2 13.8 20.8

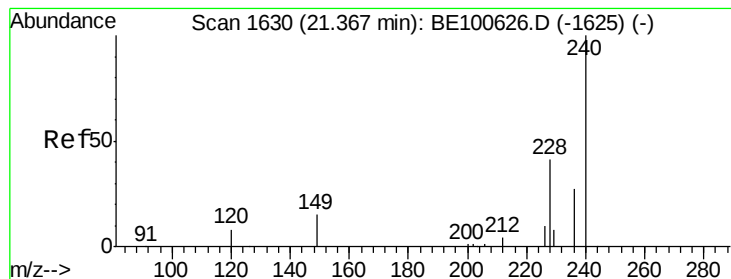


Abundance Ion 202.00 (201.70 to 202.70): E

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# 1628

Delta R.T. -0.00 min

Lab File: BE100676.D

Acq: 28 Oct 2019 16:38

Instrument :

BNA_E

ClientSampleId :

PB124339BS

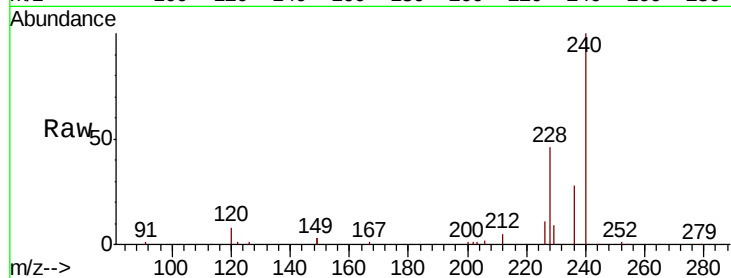
Tot Ion:240 Resp: 26498

Ion Ratio Lower Upper

240 100

120 8.4 7.6 11.4

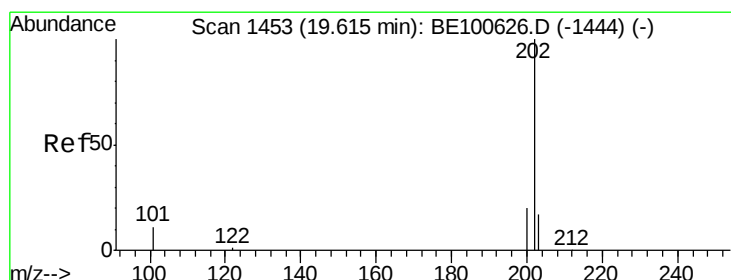
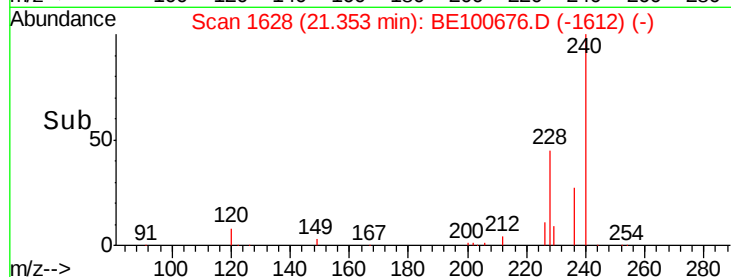
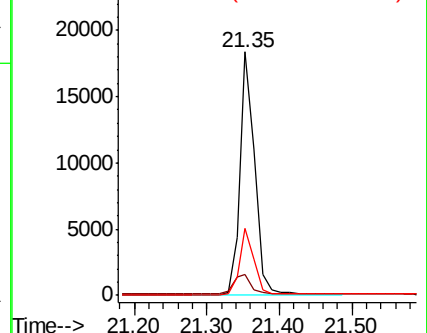
236 27.7 22.1 33.1



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: 0.451 ng

RT: 19.60 min Scan# 1451

Delta R.T. -0.00 min

Lab File: BE100676.D

Acq: 28 Oct 2019 16:38

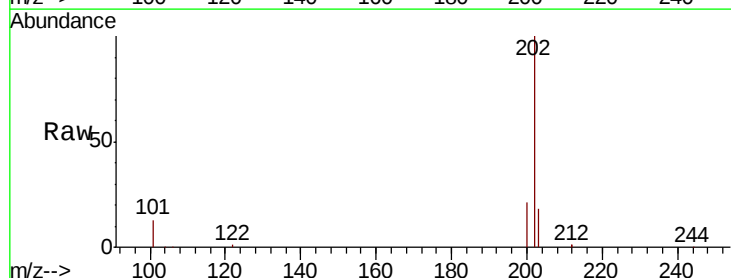
Tgt Ion:202 Resp: 33402

Ion Ratio Lower Upper

202 100

200 20.8 16.7 25.1

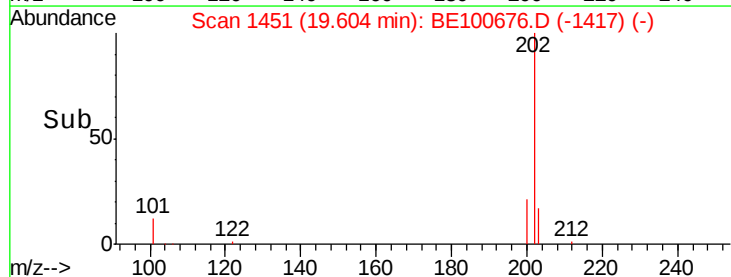
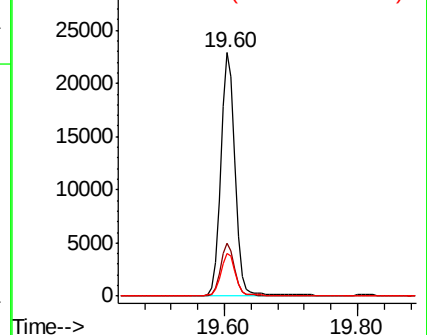
203 17.6 14.0 21.0

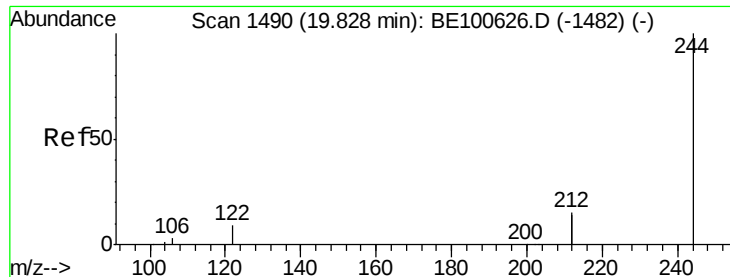


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#29

Terphenyl-d14

Concen: 0.444 ng

RT: 19.82 min Scan# 1488

Delta R.T. 0.00 min

Lab File: BE100676.D

Acq: 28 Oct 2019 16:38

Instrument :

BNA_E

ClientSampleId :

PB124339BS

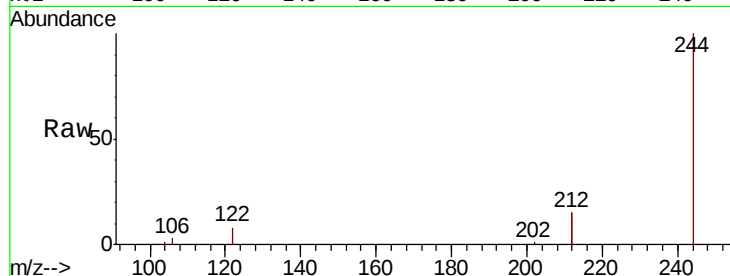
Tot Ion:244 Resp: 25708

Ion Ratio Lower Upper

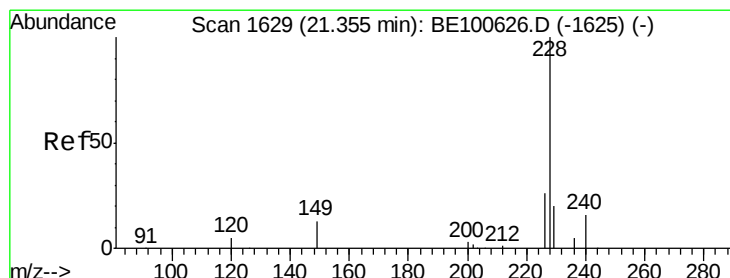
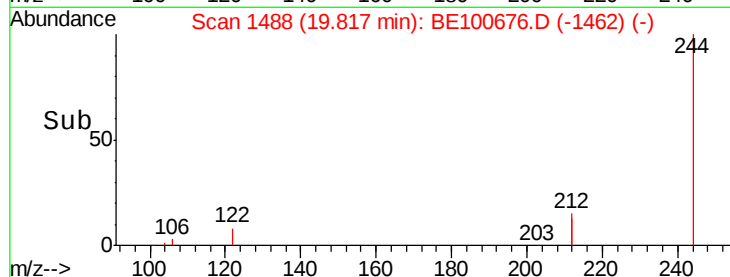
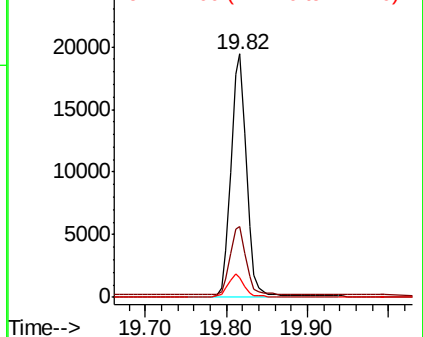
244 100

212 29.1 23.7 35.5

122 8.1 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: 0.430 ng

RT: 21.34 min Scan# 1627

Delta R.T. -0.00 min

Lab File: BE100676.D

Acq: 28 Oct 2019 16:38

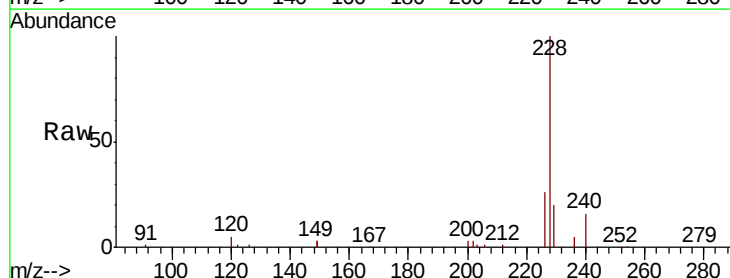
Tgt Ion:228 Resp: 37184

Ion Ratio Lower Upper

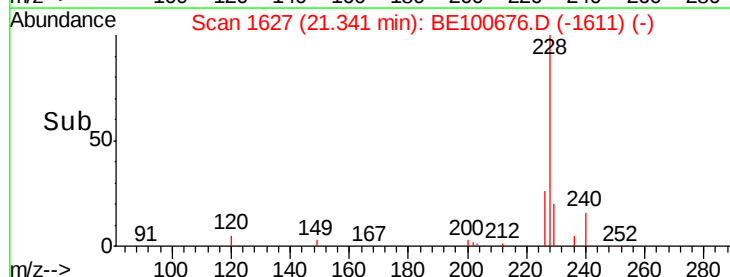
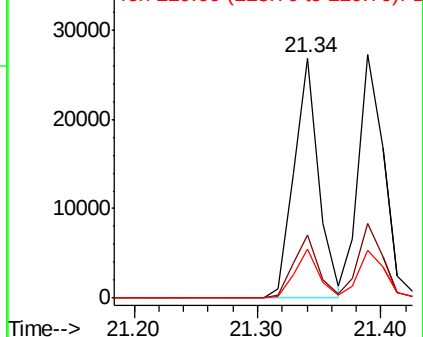
228 100

226 26.2 21.4 32.0

229 20.3 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: 0.446 ng

RT: 21.39 min Scan# 1631

Delta R.T. -0.00 min

Lab File: BE100676.D

Acq: 28 Oct 2019 16:38

Instrument :

BNA_E

ClientSampleId :

PB124339BS

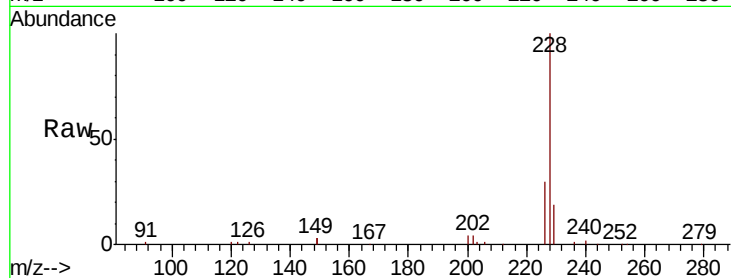
Tot Ion:228 Resp: 38488

Ion Ratio Lower Upper

228 100

226 30.5 24.6 37.0

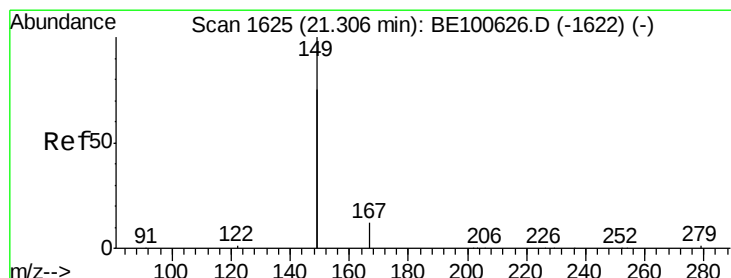
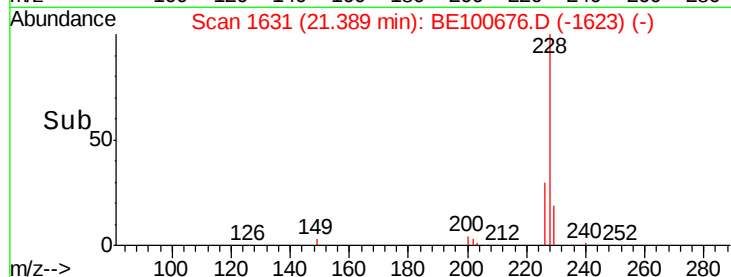
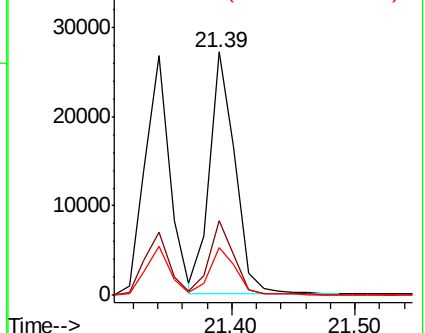
229 19.4 15.8 23.8



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: 0.364 ng

RT: 21.28 min Scan# 1622

Delta R.T. -0.01 min

Lab File: BE100676.D

Acq: 28 Oct 2019 16:38

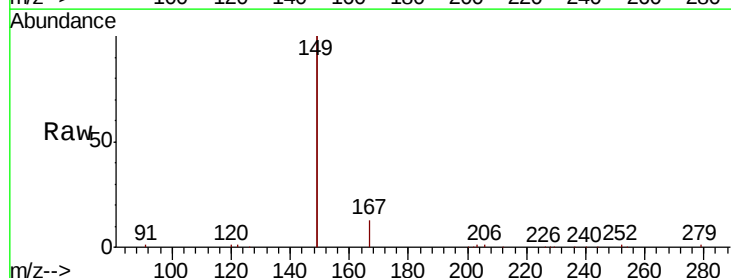
Tgt Ion:149 Resp: 65840

Ion Ratio Lower Upper

149 100

167 6.9 5.5 8.3

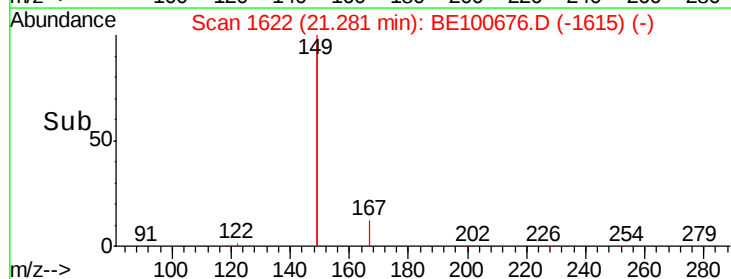
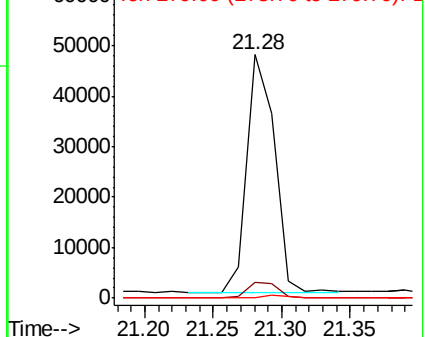
279 1.0 0.9 1.3

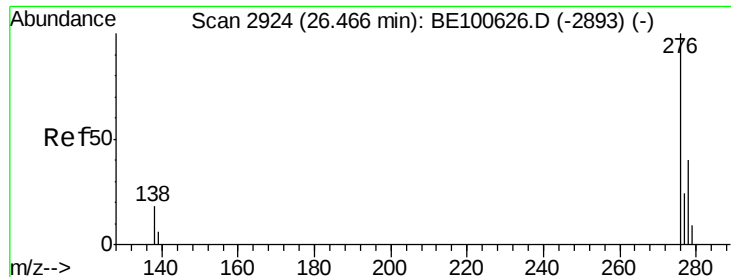


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E

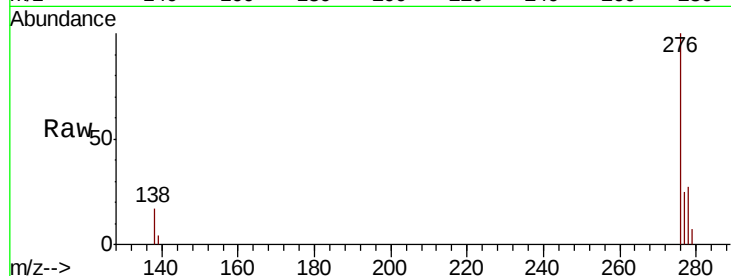




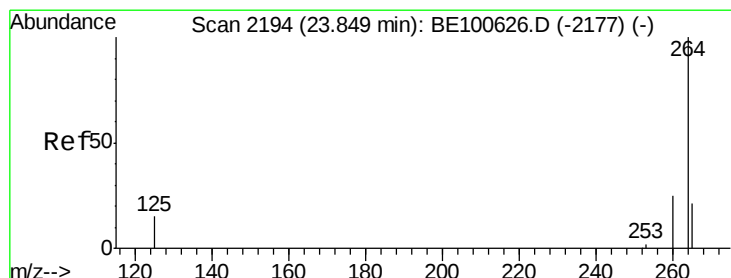
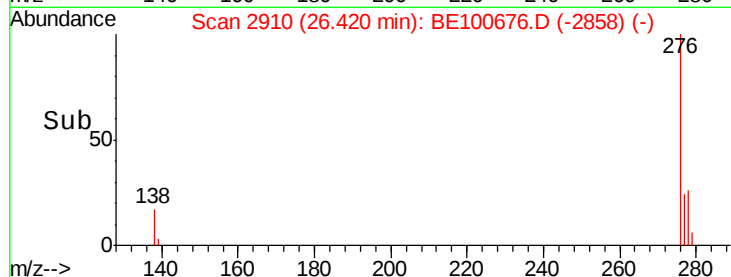
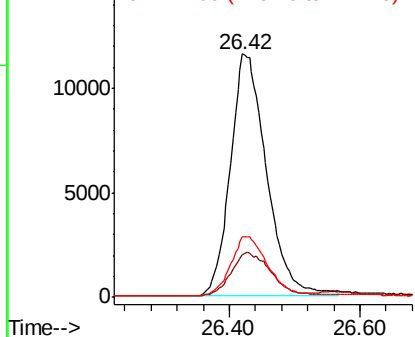
#33
 Indeno(1,2,3-cd)pyrene
 Concen: 0.421 ng
 RT: 26.42 min Scan# 2910
 Delta R.T. -0.01 min
 Lab File: BE100676.D
 Acq: 28 Oct 2019 16:38

Instrument :
 BNA_E
 ClientSampleId :
 PB124339BS

Tot Ion:276 Resp: 44665
 Ion Ratio Lower Upper
 276 100
 138 19.1 15.3 22.9
 277 24.9 19.4 29.2

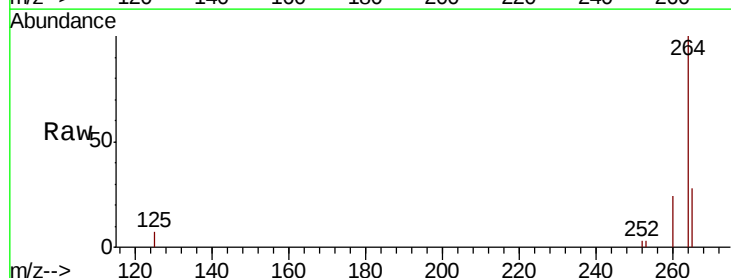


Abundance Ion 276.00 (275.70 to 276.70): E
 Ion 138.00 (137.70 to 138.70): E
 Ion 277.00 (276.70 to 277.70): E

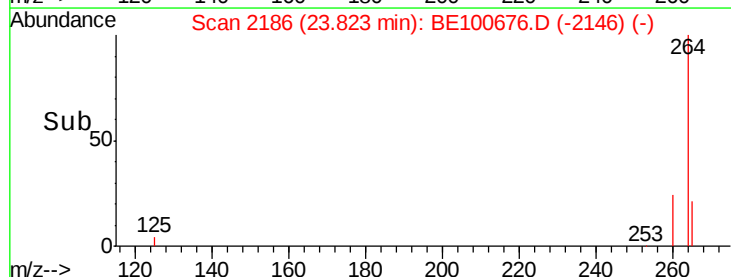
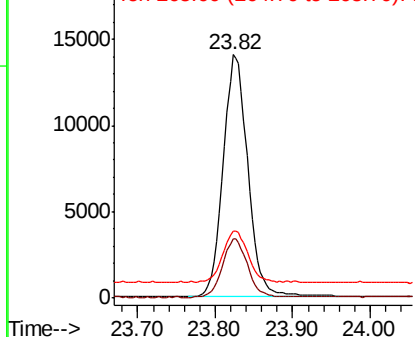


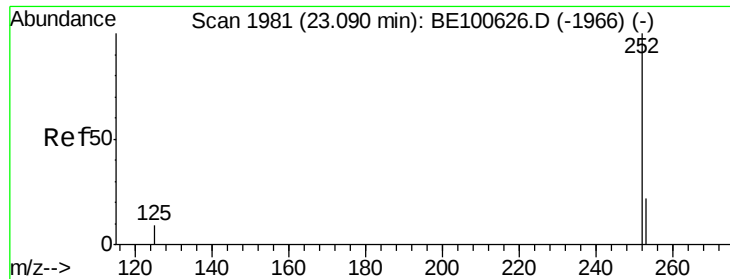
#34
 Perylene-d12
 Concen: 0.400 ng
 RT: 23.82 min Scan# 2186
 Delta R.T. -0.01 min
 Lab File: BE100676.D
 Acq: 28 Oct 2019 16:38

Tgt Ion:264 Resp: 31293
 Ion Ratio Lower Upper
 264 100
 260 24.4 19.4 29.2
 265 27.6 21.7 32.5



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: 0.420 ng

RT: 23.07 min Scan# 1975

Delta R.T. -0.00 min

Lab File: BE100676.D

Acq: 28 Oct 2019 16:38

Instrument :

BNA_E

ClientSampleId :

PB124339BS

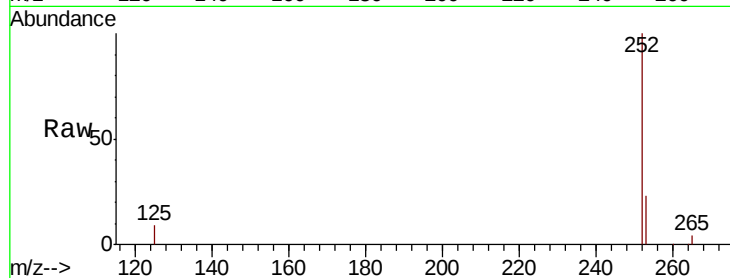
Tot Ion:252 Resp: 38332

Ion Ratio Lower Upper

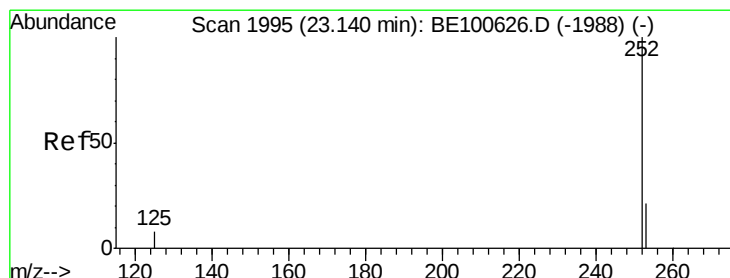
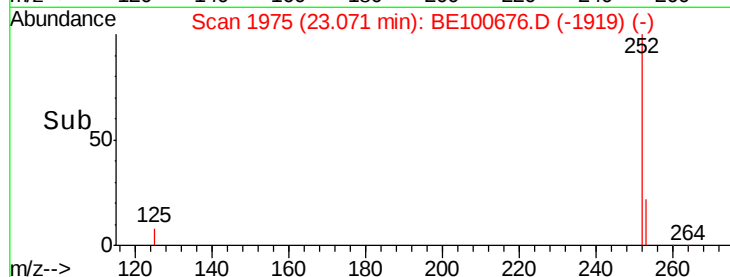
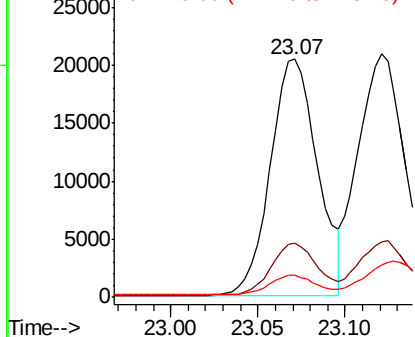
252 100

253 22.7 18.4 27.6

125 9.1 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: 0.427 ng

RT: 23.12 min Scan# 1989

Delta R.T. -0.00 min

Lab File: BE100676.D

Acq: 28 Oct 2019 16:38

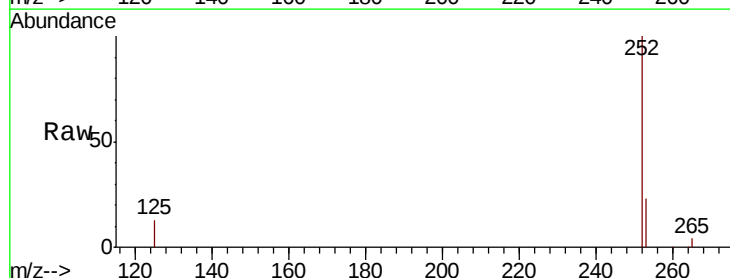
Tgt Ion:252 Resp: 40076

Ion Ratio Lower Upper

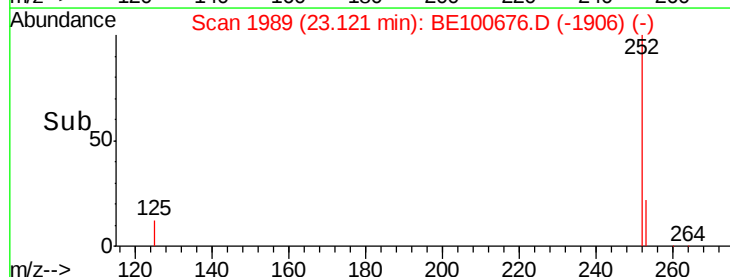
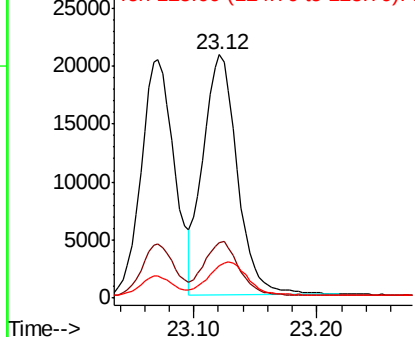
252 100

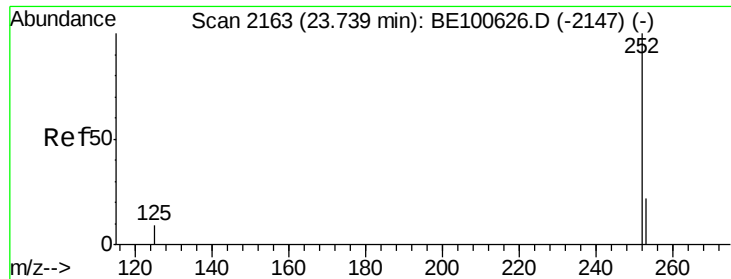
253 22.9 18.4 27.6

125 13.1 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: 0.413 ng

RT: 23.71 min Scan# 2155

Delta R.T. -0.01 min

Lab File: BE100676.D

Acq: 28 Oct 2019 16:38

Instrument :

BNA_E

ClientSampleId :

PB124339BS

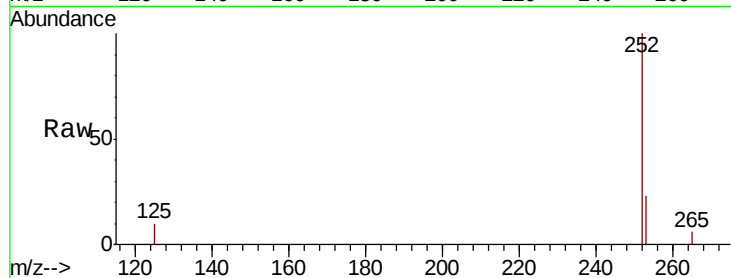
Tot Ion:252 Resp: 35117

Ion Ratio Lower Upper

252 100

253 22.9 18.4 27.6

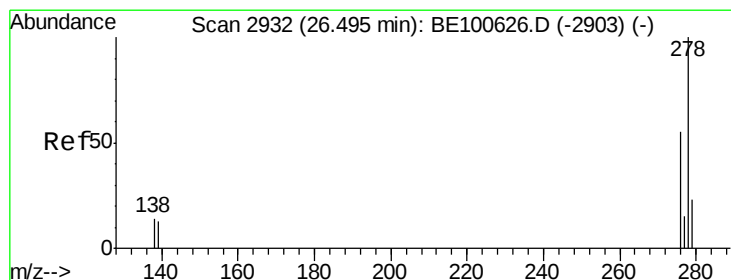
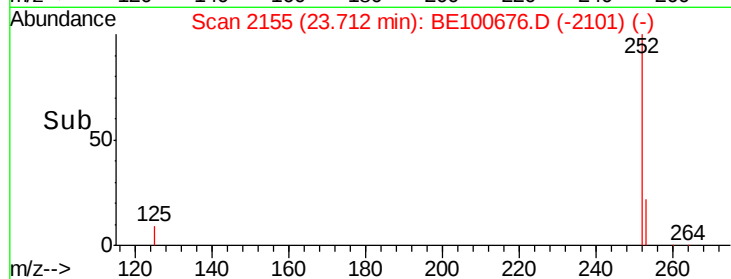
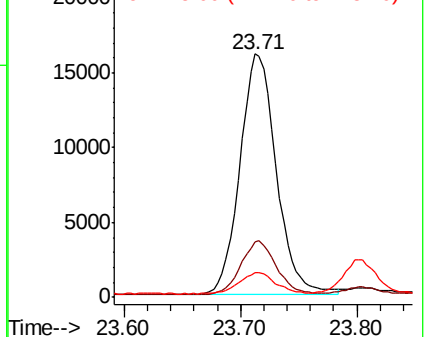
125 10.3 8.2 12.4



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: 0.423 ng

RT: 26.46 min Scan# 2920

Delta R.T. -0.01 min

Lab File: BE100676.D

Acq: 28 Oct 2019 16:38

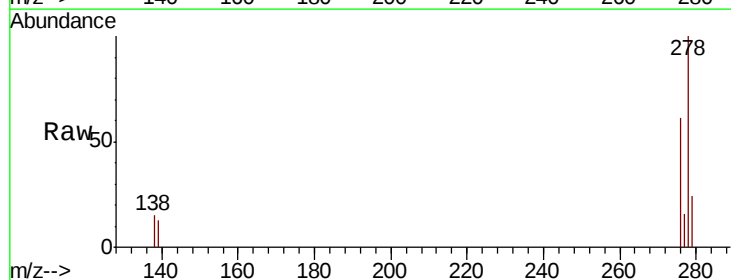
Tgt Ion:278 Resp: 37157

Ion Ratio Lower Upper

278 100

139 13.4 10.9 16.3

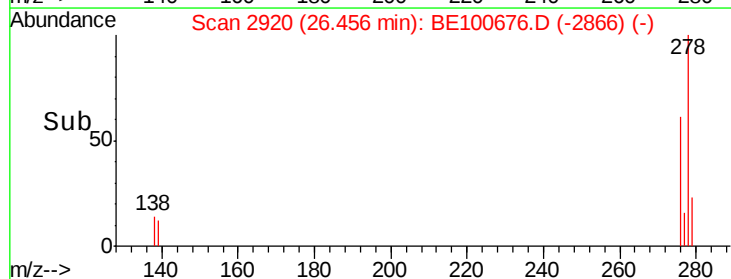
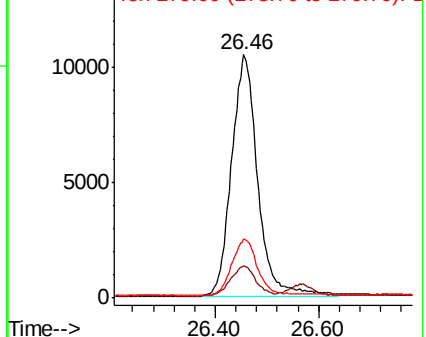
279 24.4 19.4 29.2

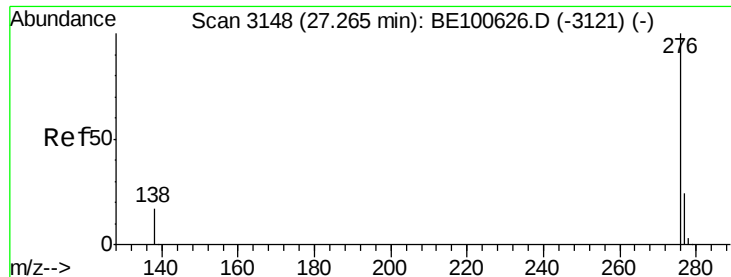


Abundance Ion 278.00 (277.70 to 278.70): E

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: 0.429 ng

RT: 27.22 min Scan# 3135

Delta R.T. -0.01 min

Lab File: BE100676.D

Acq: 28 Oct 2019 16:38

Instrument :

BNA_E

ClientSampleId :

PB124339BS

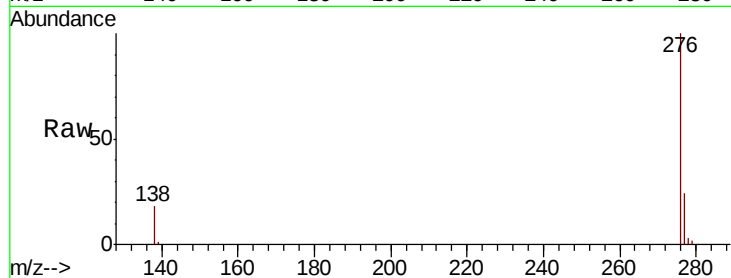
Tot Ion: 276 Resp: 37839

Ion Ratio Lower Upper

276 100

277 23.9 19.4 29.0

138 17.6 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

