

Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE092519\
 Data File : BE100552.D
 Acq On : 25 Sep 2019 11:00
 Operator : JU
 Sample : PB123289BS
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 PB123289BS

Quant Time: Sep 25 11:51:36 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA E\METHODS\8270-SIM-BE092019.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Sep 20 18:26:17 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.86	152	8336	0.40	ng	0.00
7) Naphthalene-d8	10.64	136	34651	0.40	ng	-0.01
13) Acenaphthene-d10	14.49	164	16935	0.40	ng	0.00
19) Phenanthrene-d10	17.20	188	31000	0.40	ng	0.00
27) Chrysene-d12	21.37	240	26176	0.40	ng	0.00
34) Perylene-d12	23.83	264	35742	0.40	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Fluorophenol	5.45	112	6231	0.32	ng	0.01
5) Phenol-d6	7.02	99	8284	0.31	ng	0.00
8) Nitrobenzene-d5	9.00	82	6198	0.31	ng	0.00
11) 2-Methylnaphthalene-d10	12.24	152	16772	0.32	ng	0.00
14) 2,4,6-Tribromophenol	15.96	330	757	0.28	ng	0.00
15) 2-Fluorobiphenyl	13.12	172	20612	0.34	ng	0.00
25) Fluoranthene-d10	19.22	212	92791	0.25	ng	0.00
29) Terphenyl-d14	19.82	244	21947	0.35	ng	0.00

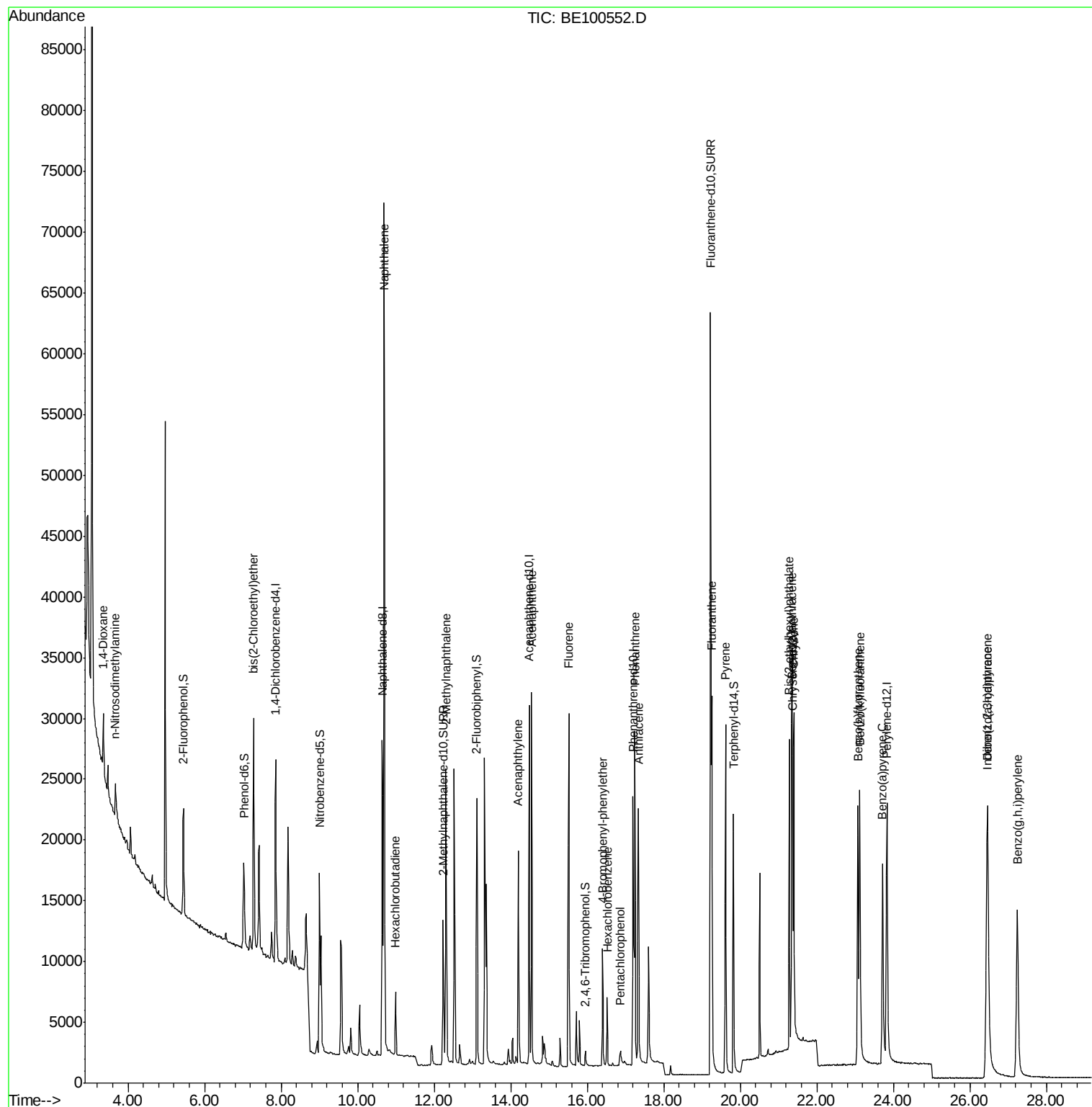
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) 1,4-Dioxane	3.35	88	3263	0.271	ng	# 70
3) n-Nitrosodimethylamine	3.67	42	1956	0.277	ng	# 79
6) bis(2-Chloroethyl)ether	7.28	93	8163	0.302	ng	88
9) Naphthalene	10.69	128	118410	0.330	ng	100
10) Hexachlorobutadiene	10.99	225	3596	0.313	ng	98
12) 2-Methylnaphthalene	12.31	142	18141	0.317	ng	99
16) Acenaphthylene	14.20	152	22606	0.324	ng	99
17) Acenaphthene	14.54	154	15195	0.323	ng	100
18) Fluorene	15.52	166	18308	0.311	ng	98
20) 4-Bromophenyl-phenylether	16.40	248	4667	0.320	ng	95
21) Hexachlorobenzene	16.52	284	3946	0.311	ng	99
22) Pentachlorophenol	16.87	266	1222	0.572	ng	95
23) Phenanthrene	17.24	178	28547	0.330	ng	100
24) Anthracene	17.34	178	23080	0.317	ng	99
26) Fluoranthene	19.25	202	27920	0.268	ng	99
28) Pyrene	19.62	202	27631	0.367	ng	100
30) Benzo(a)anthracene	21.34	228	22734	0.325	ng	98
31) Chrysene	21.40	228	28689	0.360	ng	99
32) Bis(2-ethylhexyl)phthalate	21.28	149	24030	0.319	ng	100
33) Indeno(1,2,3-cd)pyrene	26.45	276	40221	0.454	ng	100
35) Benzo(b)fluoranthene	23.07	252	32082	0.332	ng	100
36) Benzo(k)fluoranthene	23.12	252	37725	0.337	ng	100
37) Benzo(a)pyrene	23.72	252	31979	0.354	ng	100
38) Dibenzo(a,h)anthracene	26.47	278	32647	0.347	ng	100
39) Benzo(g,h,i)perylene	27.24	276	36504	0.372	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: 7.86 min Scan# 434

Delta R.T. -0.00 min

Lab File: BE100552.D

Acq: 25 Sep 2019 11:00

Instrument :

BNA_E

ClientSampleId :

PB123289BS

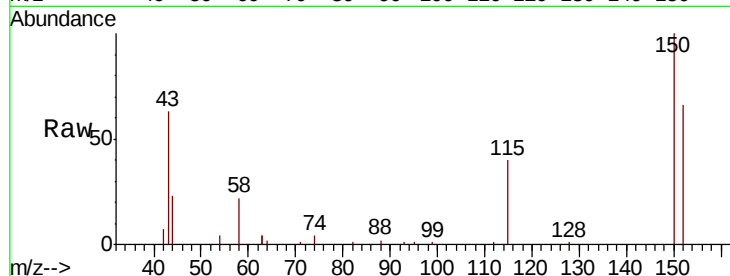
Tot Ion:152 Resp: 8336

Ion Ratio Lower Upper

152 100

150 152.4 121.6 182.4

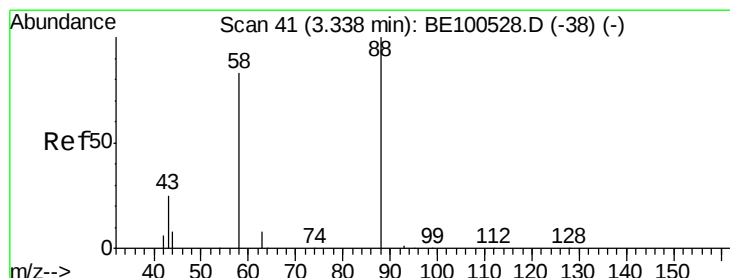
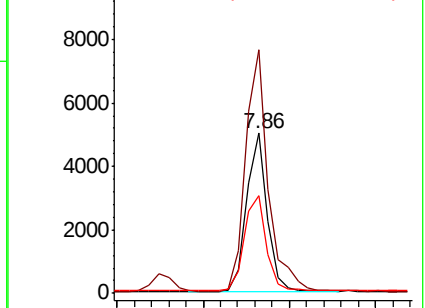
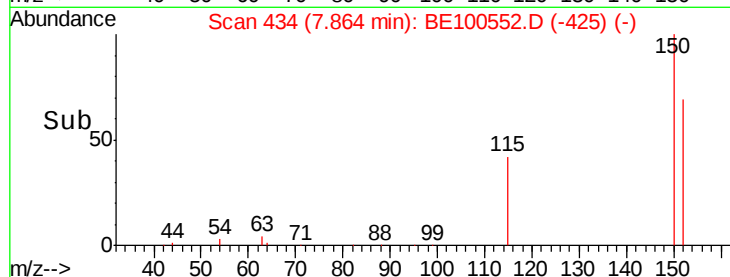
115 61.2 48.2 72.4



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 115.00 (114.70 to 115.70): E



#2

1,4-Dioxane

Concen: 0.271 ng

RT: 3.35 min Scan# 42

Delta R.T. 0.01 min

Lab File: BE100552.D

Acq: 25 Sep 2019 11:00

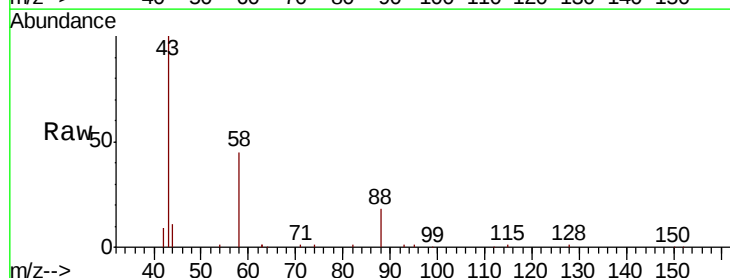
Tgt Ion: 88 Resp: 3263

Ion Ratio Lower Upper

88 100

58 87.3 53.3 79.9#

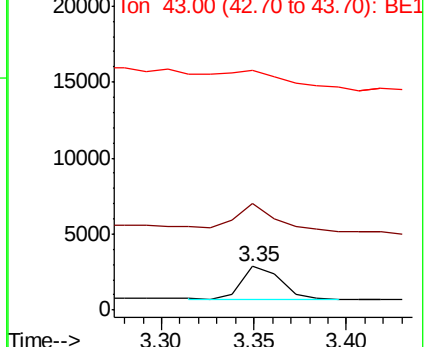
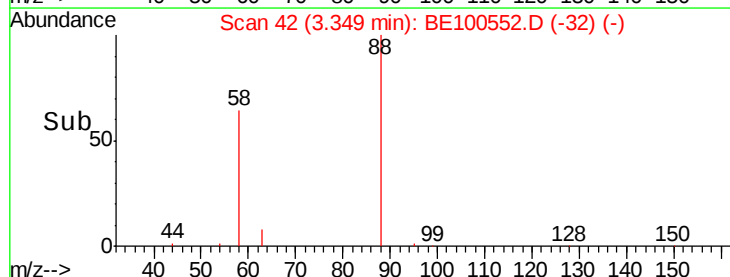
43 0.0 16.9 25.3#

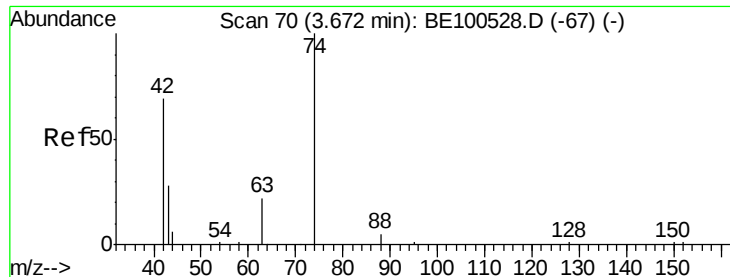


Abundance Ion 88.00 (87.70 to 88.70): BE1

Ion 58.00 (57.70 to 58.70): BE1

Ion 43.00 (42.70 to 43.70): BE1





#3

n-Nitrosodimethylamine

Concen: 0.277 ng

RT: 3.67 min Scan# 70

Delta R.T. -0.00 min

Lab File: BE100552.D

Acq: 25 Sep 2019 11:00

Instrument :

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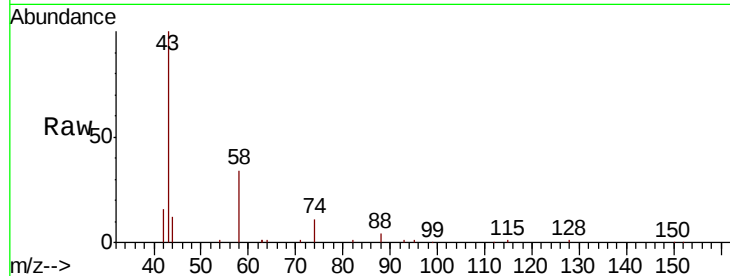
Tot Ion: 42 Resp: 1956

Ion Ratio Lower Upper

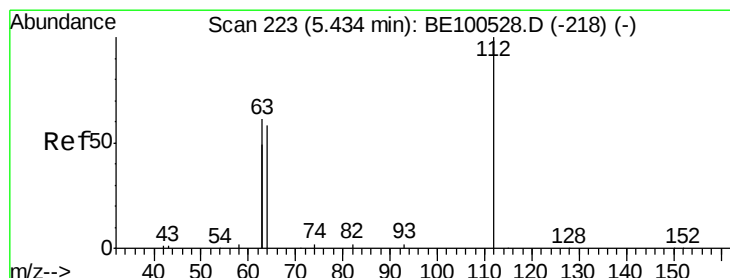
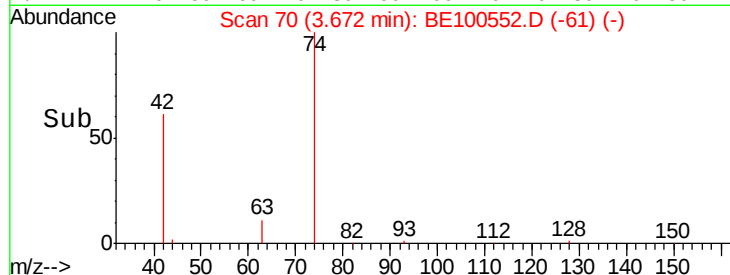
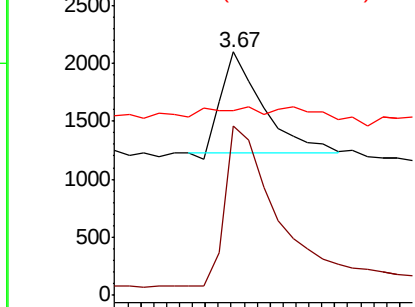
42 100

74 196.6 133.8 200.6

44 10.9 6.4 9.6#



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



#4

2-Fluorophenol

Concen: 0.319 ng

RT: 5.45 min Scan# 224

Delta R.T. 0.01 min

Lab File: BE100552.D

Acq: 25 Sep 2019 11:00

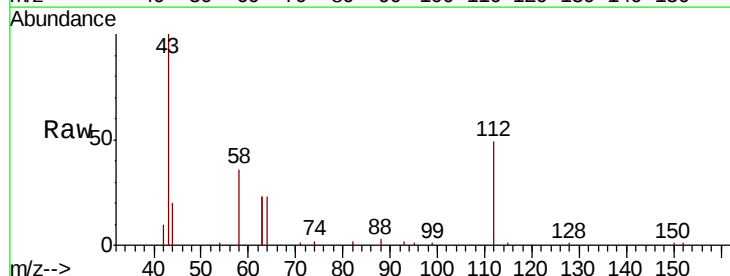
Tgt Ion: 112 Resp: 6231

Ion Ratio Lower Upper

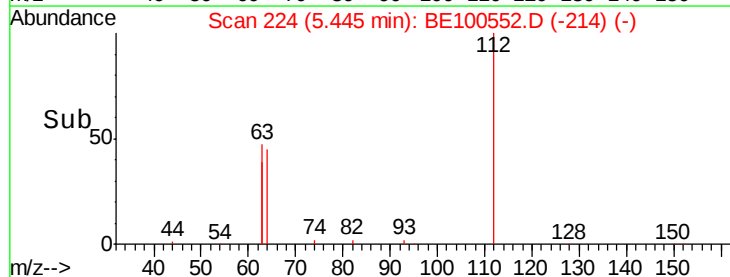
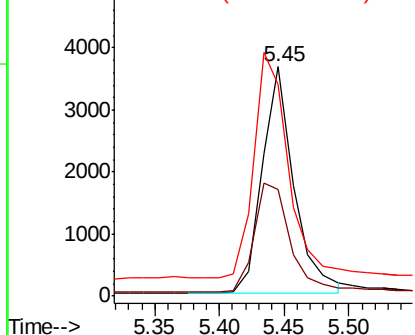
112 100

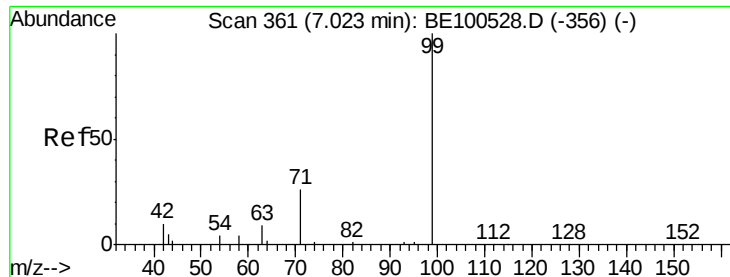
64 55.0 44.1 66.1

63 109.0 86.5 129.7



Abundance Ion 112.00 (111.70 to 112.70): BE1
Ion 64.00 (63.70 to 64.70): BE1
Ion 63.00 (62.70 to 63.70): BE1





#5

Phenol-d6

Concen: 0.310 ng

RT: 7.02 min Scan# 361

Delta R.T. -0.00 min

Lab File: BE100552.D

Acq: 25 Sep 2019 11:00

Instrument :

BNA_E

ClientSampleId :

PB123289BS

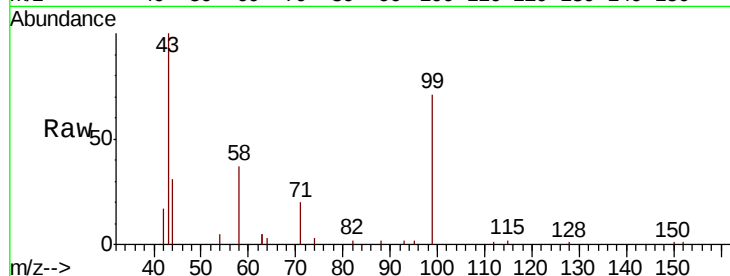
Tot Ion: 99 Resp: 8284

Ion Ratio Lower Upper

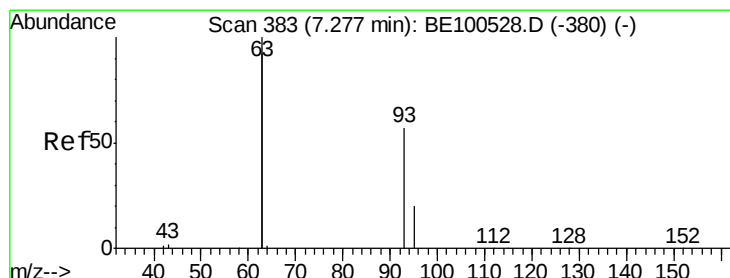
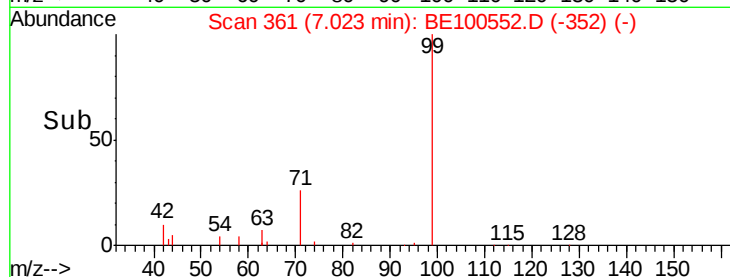
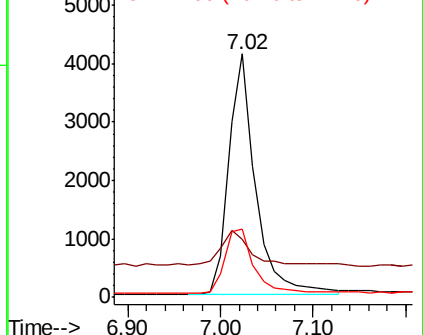
99 100

42 14.2 13.0 19.6

71 28.9 23.4 35.0



Abundance Ion 99.00 (98.70 to 99.70): BE1
Ion 42.00 (41.70 to 42.70): BE1
Ion 71.00 (70.70 to 71.70): BE1



#6

bis(2-Chloroethyl)ether

Concen: 0.302 ng

RT: 7.28 min Scan# 383

Delta R.T. -0.00 min

Lab File: BE100552.D

Acq: 25 Sep 2019 11:00

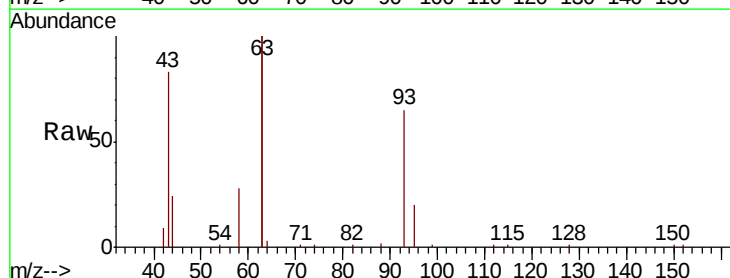
Tgt Ion: 93 Resp: 8163

Ion Ratio Lower Upper

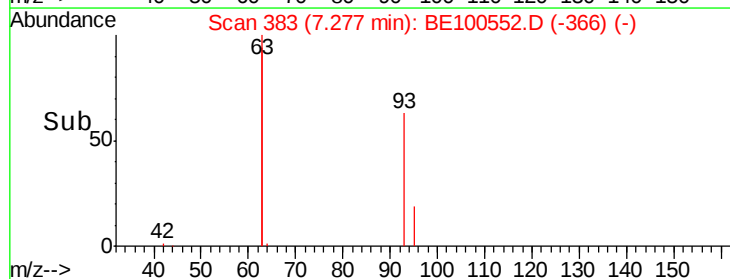
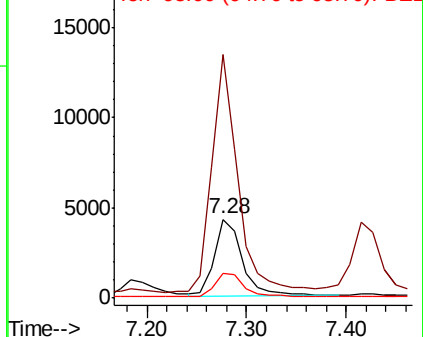
93 100

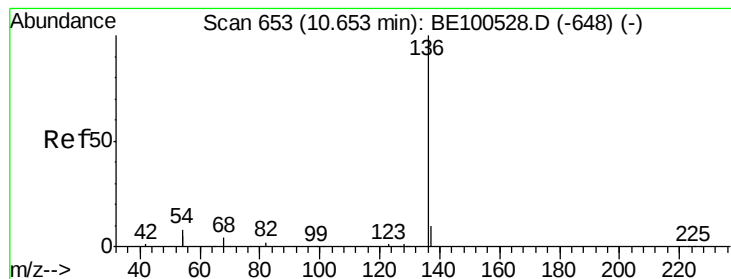
63 290.3 213.4 320.0

95 32.2 23.7 35.5



Abundance Ion 93.00 (92.70 to 93.70): BE1
Ion 63.00 (62.70 to 63.70): BE1
Ion 95.00 (94.70 to 95.70): BE1





#7

Naphthalene-d8

Concen: 0.400 ng

RT: 10.64 min Scan# 652

Delta R.T. -0.01 min

Lab File: BE100552.D

Acq: 25 Sep 2019 11:00

Instrument :

BNA_E

ClientSampleId :

PB123289BS

Tot Ion:136 Resp: 34651

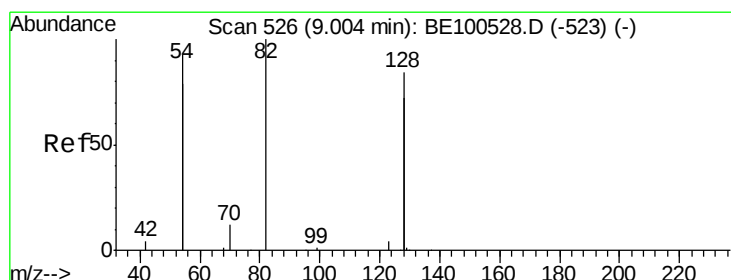
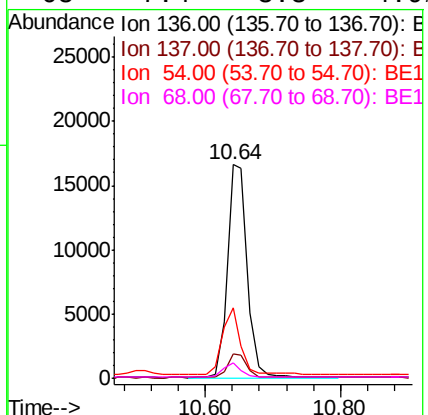
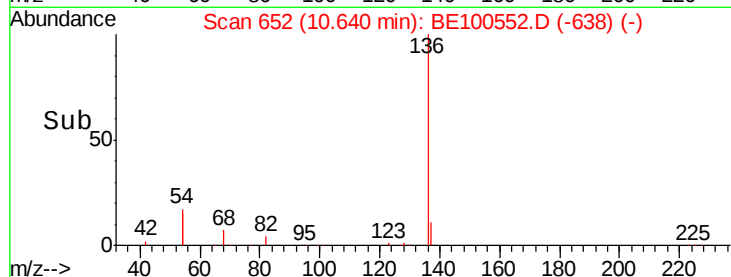
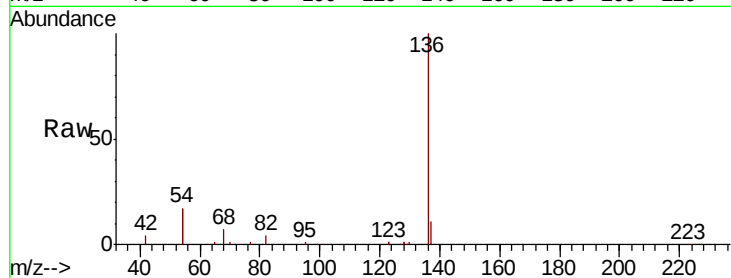
Ion Ratio Lower Upper

136 100

137 11.3 8.6 13.0

54 33.0 12.4 18.6#

68 7.4 3.3 4.9#



#8

Nitrobenzene-d5

Concen: 0.310 ng

RT: 9.00 min Scan# 526

Delta R.T. -0.00 min

Lab File: BE100552.D

Acq: 25 Sep 2019 11:00

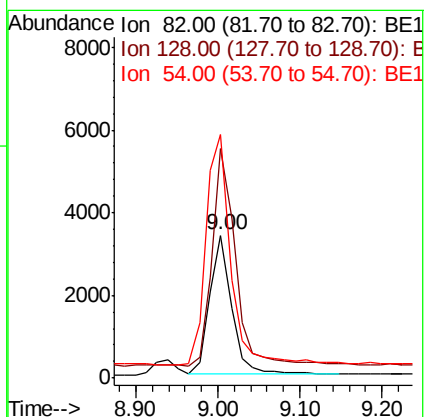
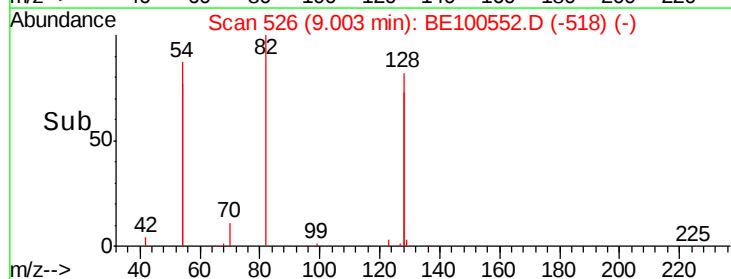
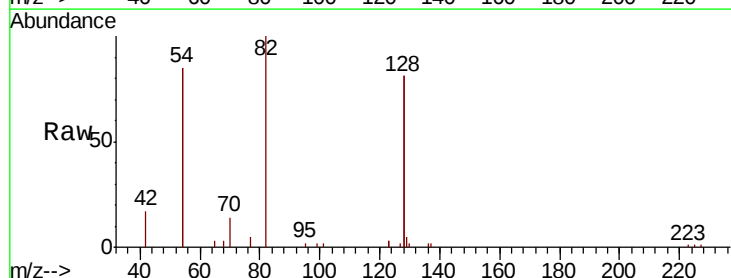
Tgt Ion: 82 Resp: 6198

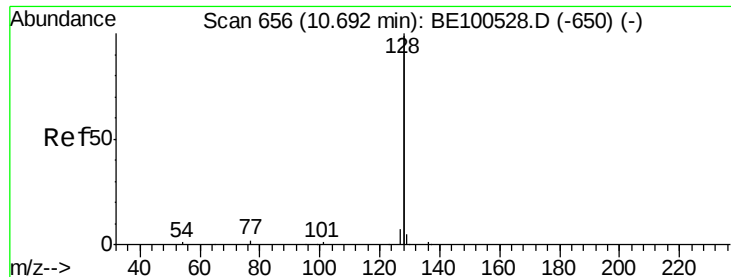
Ion Ratio Lower Upper

82 100

128 161.1 129.4 194.2

54 170.4 143.3 214.9





#9

Naphthalene

Concen: 0.330 ng

RT: 10.69 min Scan# 656

Delta R.T. -0.00 min

Lab File: BE100552.D

Acq: 25 Sep 2019 11:00

Instrument :

BNA_E

ClientSampleId :

PB123289BS

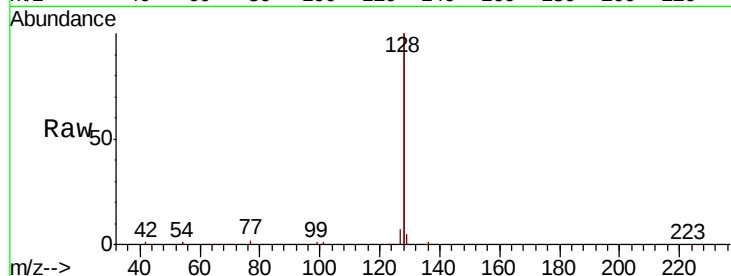
Tot Ion:128 Resp: 118410

Ion Ratio Lower Upper

128 100

129 2.7 2.2 3.4

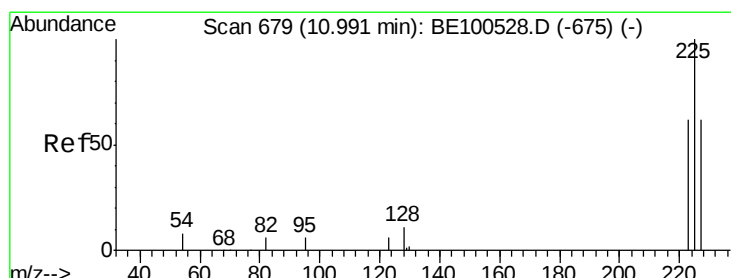
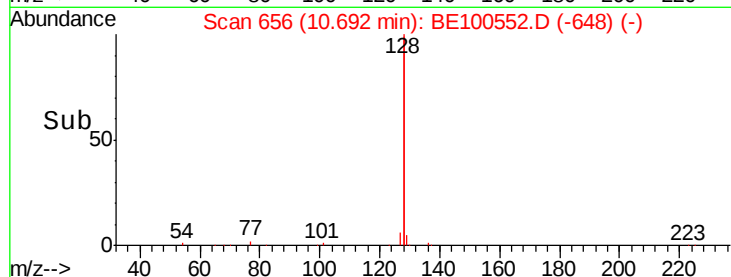
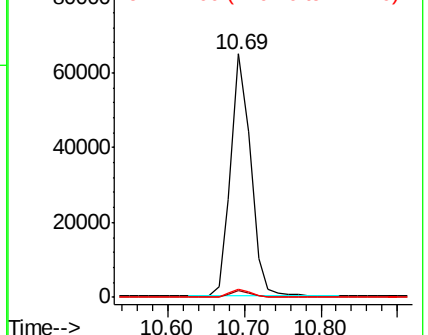
127 3.3 2.7 4.1



Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E



#10

Hexachlorobutadiene

Concen: 0.313 ng

RT: 10.99 min Scan# 679

Delta R.T. -0.00 min

Lab File: BE100552.D

Acq: 25 Sep 2019 11:00

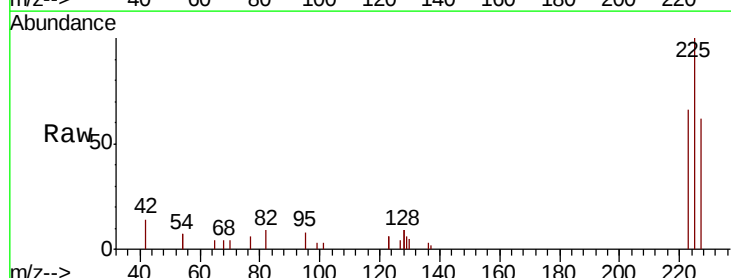
Tgt Ion:225 Resp: 3596

Ion Ratio Lower Upper

225 100

223 63.8 49.7 74.5

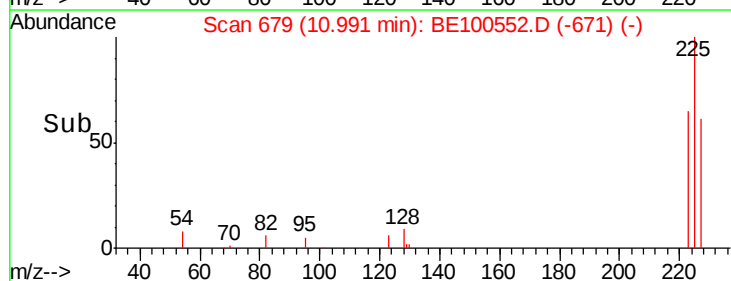
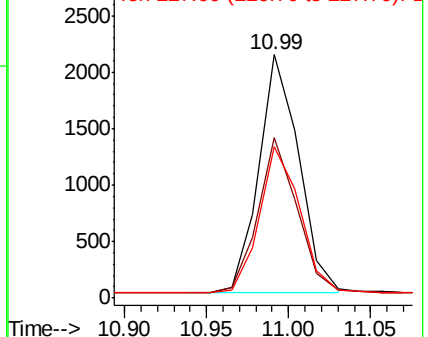
227 62.2 51.4 77.2

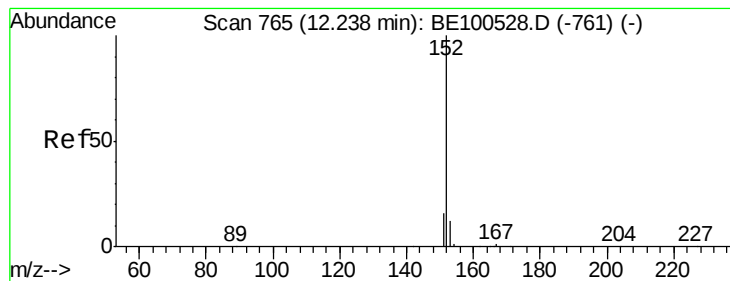


Abundance Ion 225.00 (224.70 to 225.70): E

Ion 223.00 (222.70 to 223.70): E

Ion 227.00 (226.70 to 227.70): E





#11

2-Methylnaphthalene-d10

Concen: 0.324 ng

RT: 12.24 min Scan# 765

Delta R.T. 0.00 min

Lab File: BE100552.D

Acq: 25 Sep 2019 11:00

Instrument :

BNA_E

ClientSampleId :

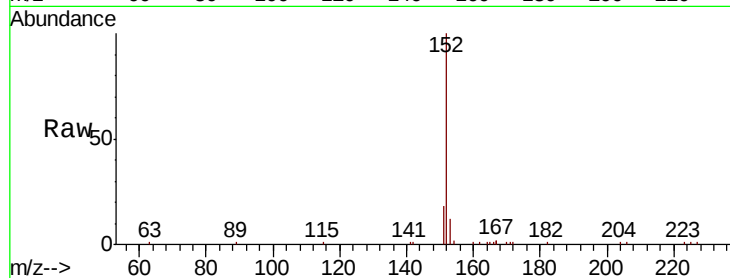
PB123289BS

Tot Ion:152 Resp: 16772

Ion Ratio Lower Upper

152 100

151 18.5 15.3 22.9



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

12.24

10000

8000

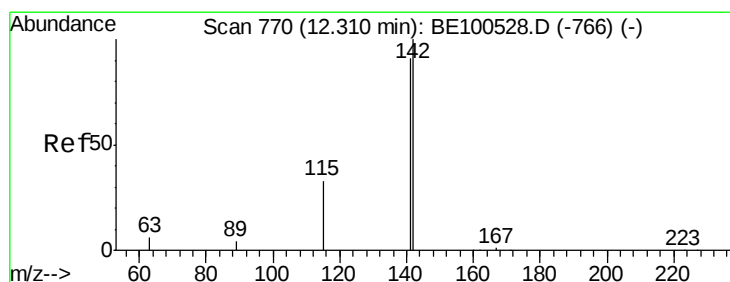
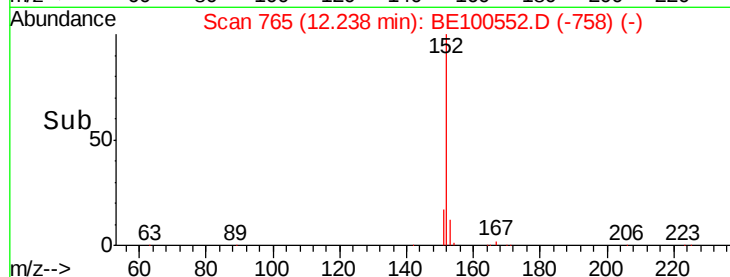
6000

4000

2000

0

Time-->



#12

2-Methylnaphthalene

Concen: 0.317 ng

RT: 12.31 min Scan# 770

Delta R.T. 0.00 min

Lab File: BE100552.D

Acq: 25 Sep 2019 11:00

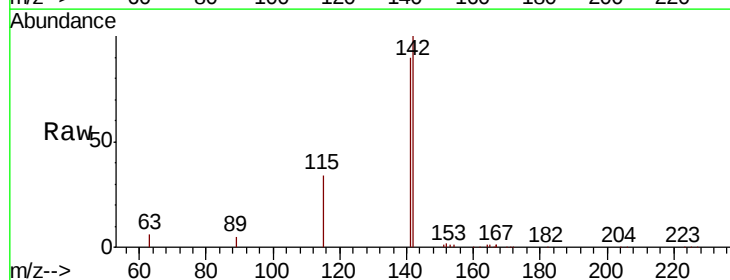
Tgt Ion:142 Resp: 18141

Ion Ratio Lower Upper

142 100

141 89.6 72.5 108.7

115 33.7 27.2 40.8



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

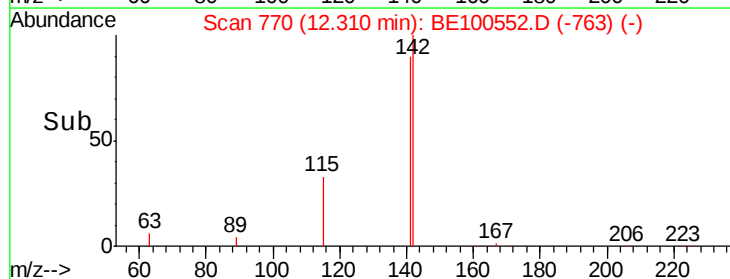
12.31

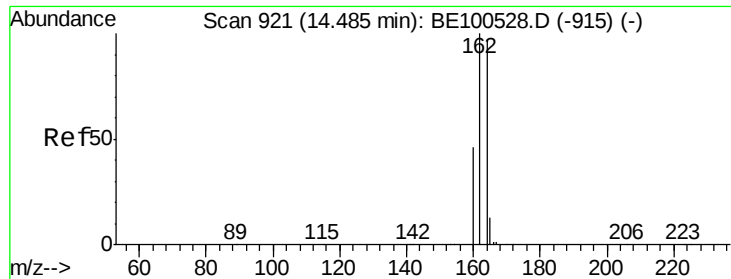
10000

5000

0

Time-->





#13

Acenaphthene-d10

Concen: 0.400 ng

RT: 14.49 min Scan# 921

Delta R.T. 0.00 min

Lab File: BE100552.D

Acq: 25 Sep 2019 11:00

Instrument :

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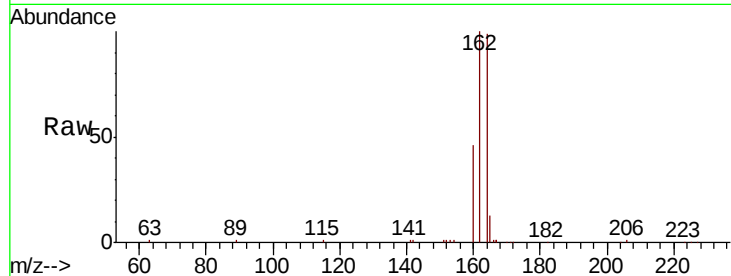
Tot Ion:164 Resp: 16935

Ion Ratio Lower Upper

164 100

162 101.0 82.1 123.1

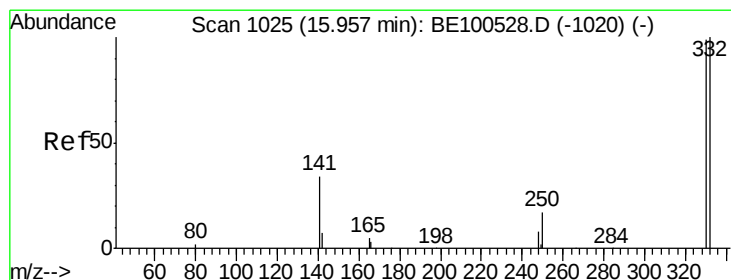
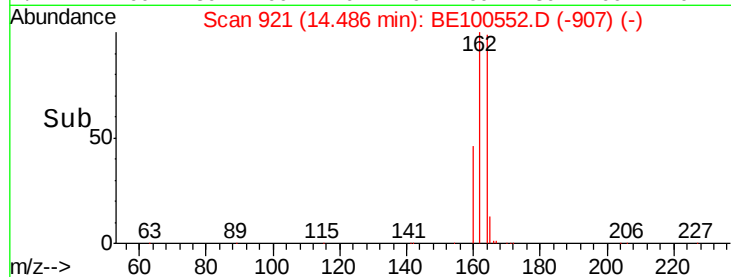
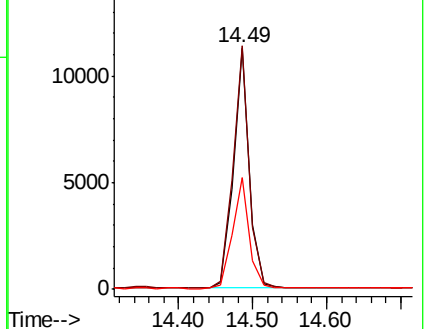
160 46.3 37.6 56.4



Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E



#14

2,4,6-Tribromophenol

Concen: 0.276 ng

RT: 15.96 min Scan# 1025

Delta R.T. 0.00 min

Lab File: BE100552.D

Acq: 25 Sep 2019 11:00

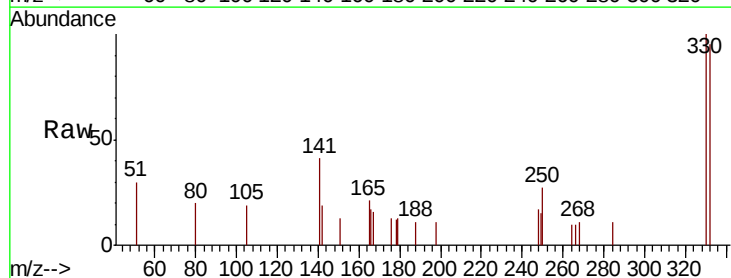
Tgt Ion:330 Resp: 757

Ion Ratio Lower Upper

330 100

332 98.4 75.5 113.3

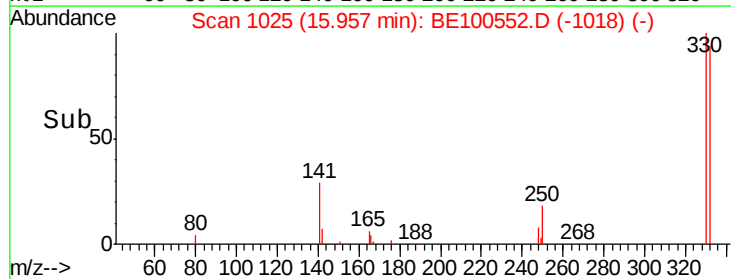
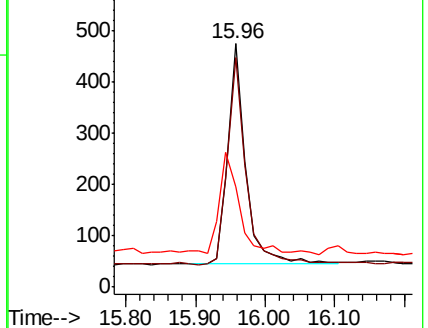
141 54.2 42.3 63.5

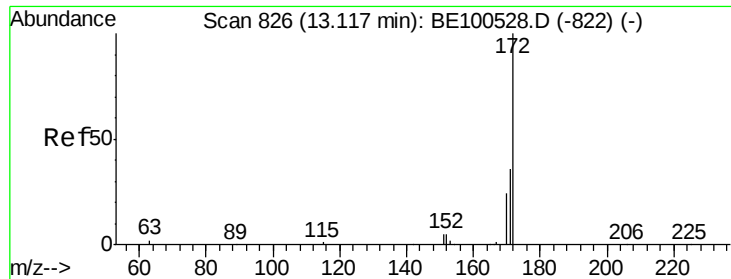


Abundance Ion 330.00 (329.70 to 330.70): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

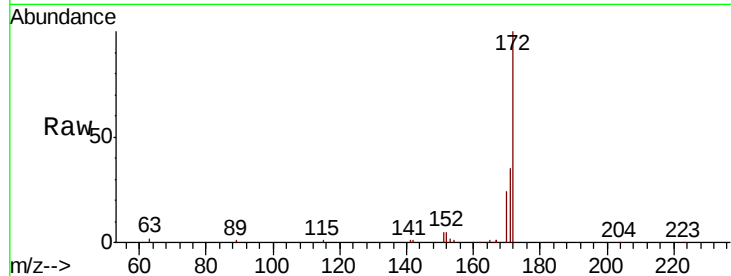




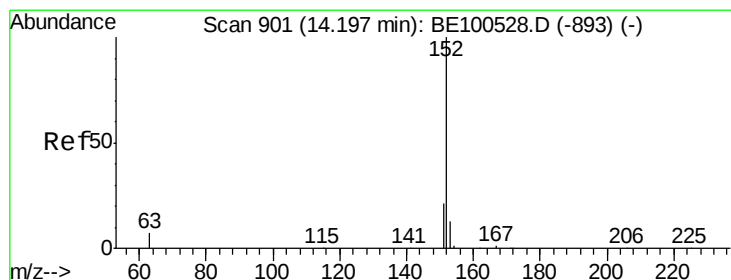
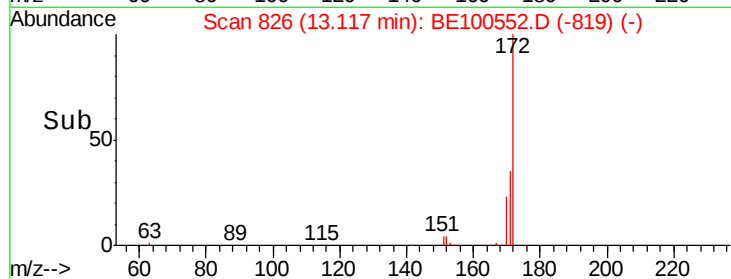
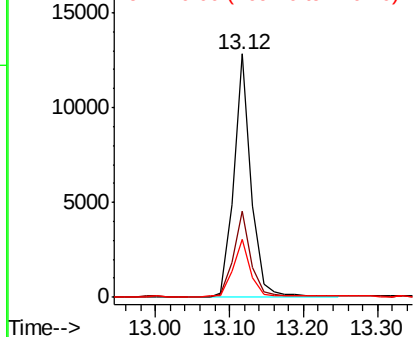
#15
2-Fluorobiphenyl
Concen: 0.341 ng
RT: 13.12 min Scan# 826
Delta R.T. 0.00 min
Lab File: BE100552.D
Acq: 25 Sep 2019 11:00

Instrument :
BNA_E
ClientSampleId :
PB123289BS

Tot Ion:172 Resp: 20612
Ion Ratio Lower Upper
172 100
171 35.3 28.8 43.2
170 23.6 19.4 29.0

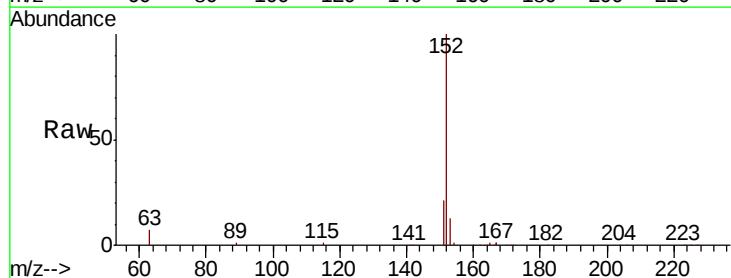


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

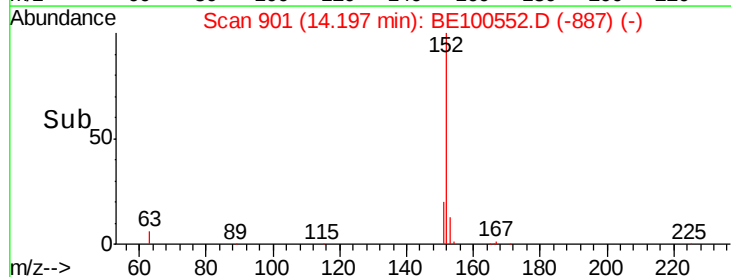
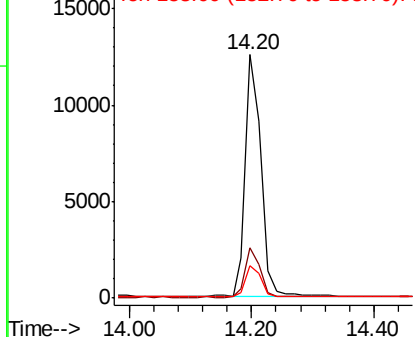


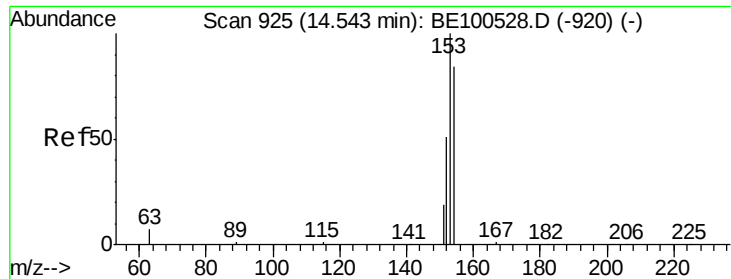
#16
Acenaphthylene
Concen: 0.324 ng
RT: 14.20 min Scan# 901
Delta R.T. 0.00 min
Lab File: BE100552.D
Acq: 25 Sep 2019 11:00

Tgt Ion:152 Resp: 22606
Ion Ratio Lower Upper
152 100
151 19.7 15.9 23.9
153 12.8 10.7 16.1



Abundance Ion 152.00 (151.70 to 152.70): E
Ion 151.00 (150.70 to 151.70): E
Ion 153.00 (152.70 to 153.70): E

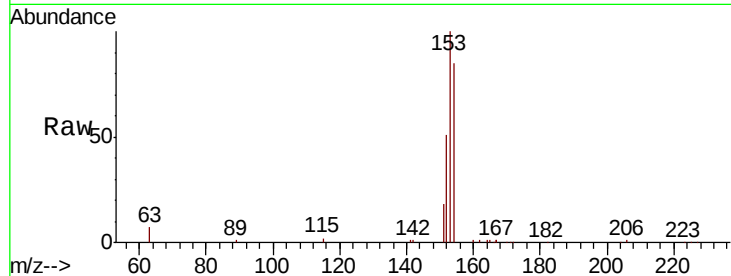




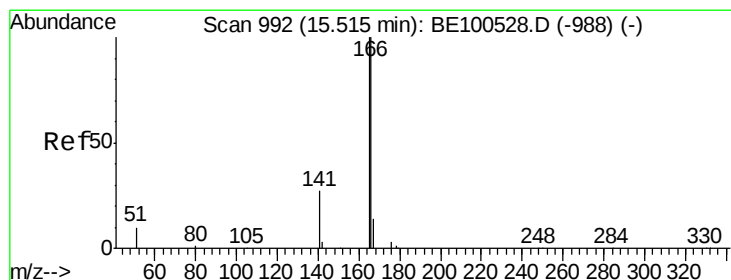
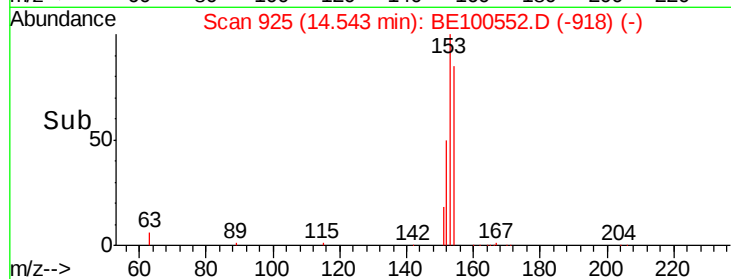
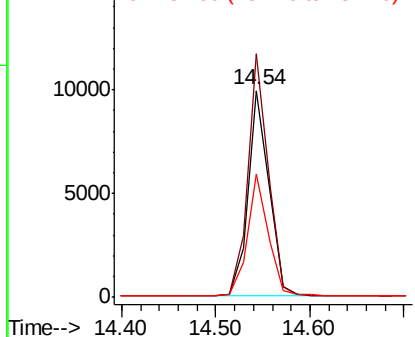
#17
Acenaphthene
Concen: 0.323 ng
RT: 14.54 min Scan# 925
Delta R.T. 0.00 min
Lab File: BE100552.D
Acq: 25 Sep 2019 11:00

Instrument :
BNA_E
ClientSampleId :
PB123289BS

Tot Ion:154 Resp: 15195
Ion Ratio Lower Upper
154 100
153 117.1 93.7 140.5
152 59.2 47.3 70.9

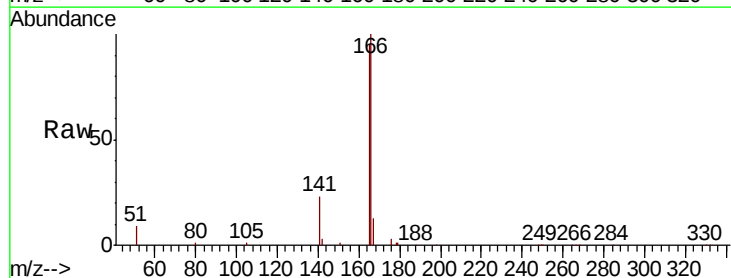


Abundance Ion 154.00 (153.70 to 154.70): E
Ion 153.00 (152.70 to 153.70): E
Ion 152.00 (151.70 to 152.70): E

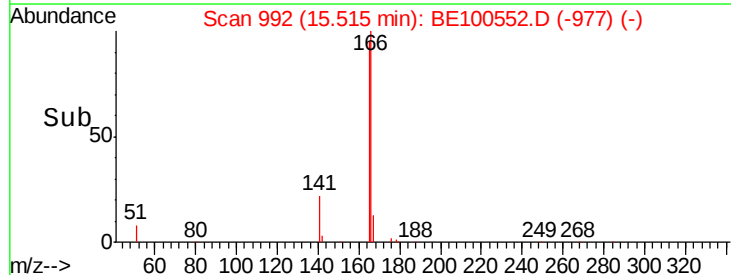
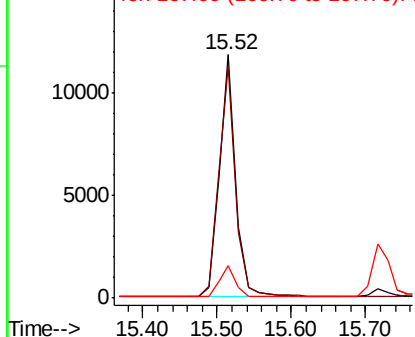


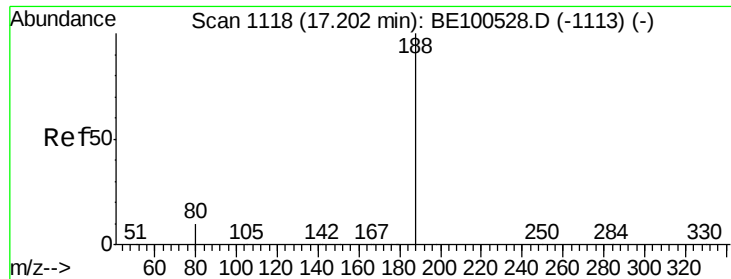
#18
Fluorene
Concen: 0.311 ng
RT: 15.52 min Scan# 992
Delta R.T. 0.00 min
Lab File: BE100552.D
Acq: 25 Sep 2019 11:00

Tgt Ion:166 Resp: 18308
Ion Ratio Lower Upper
166 100
165 97.8 80.1 120.1
167 13.2 10.9 16.3



Abundance Ion 166.00 (165.70 to 166.70): E
Ion 165.00 (164.70 to 165.70): E
Ion 167.00 (166.70 to 167.70): E





#19

Phenanthrene-d10

Concen: 0.400 ng

RT: 17.20 min Scan# 1118

Delta R.T. 0.00 min

Lab File: BE100552.D

Acq: 25 Sep 2019 11:00

Instrument :

BNA_E

ClientSampleId :

PB123289BS

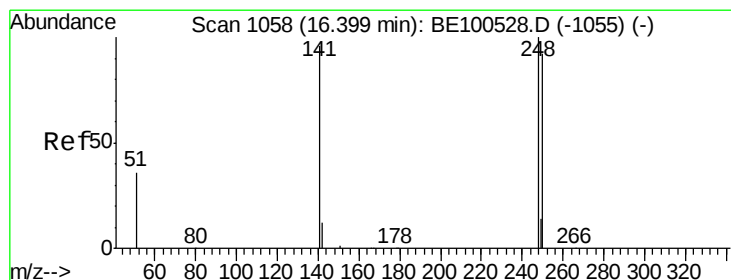
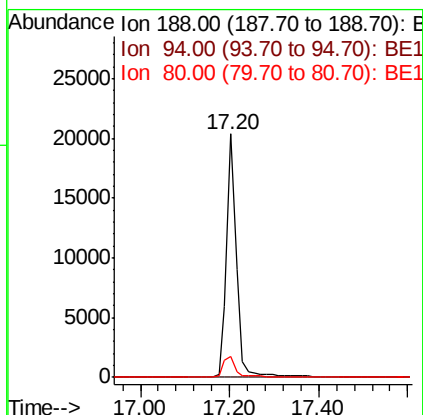
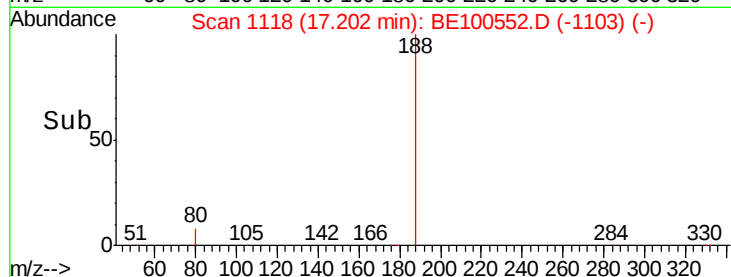
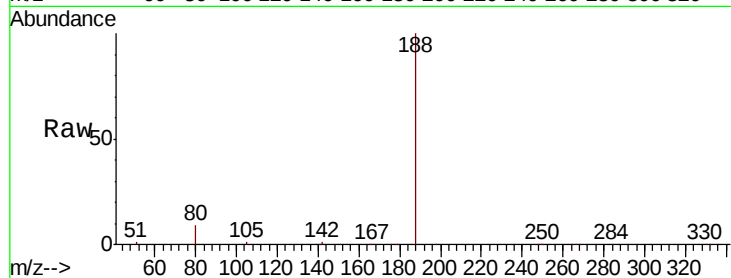
Tot Ion:188 Resp: 31000

Ion Ratio Lower Upper

188 100

94 0.0 0.0 0.0

80 8.7 8.0 12.0



#20

4-Bromophenyl-phenylether

Concen: 0.320 ng

RT: 16.40 min Scan# 1058

Delta R.T. 0.00 min

Lab File: BE100552.D

Acq: 25 Sep 2019 11:00

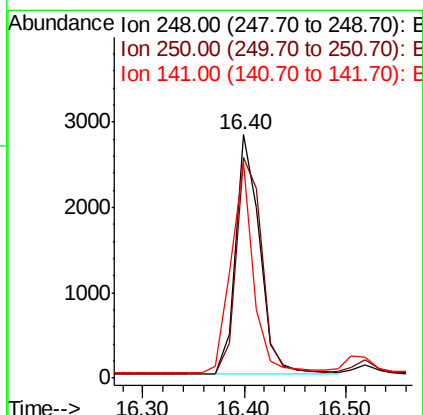
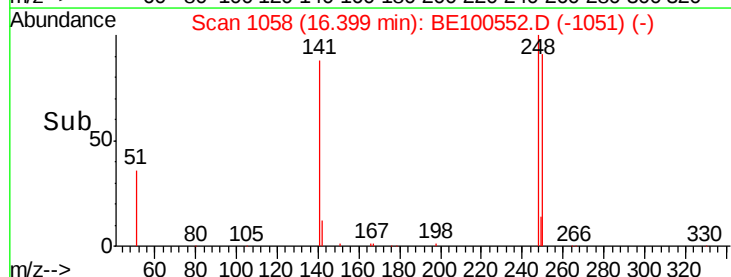
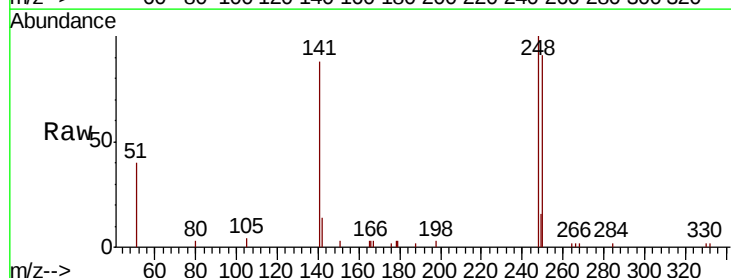
Tgt Ion:248 Resp: 4667

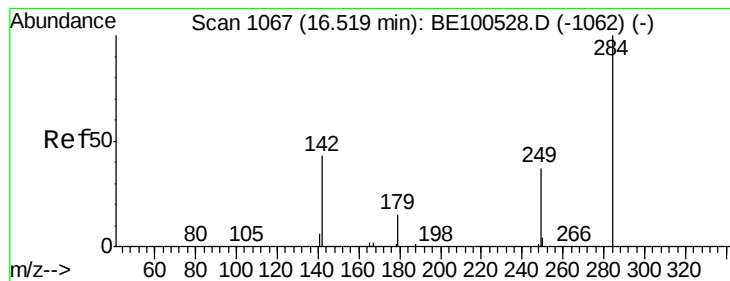
Ion Ratio Lower Upper

248 100

250 90.8 73.5 110.3

141 88.4 77.0 115.4





#21

Hexachlorobenzene

Concen: 0.311 ng

RT: 16.52 min Scan# 1067

Delta R.T. 0.00 min

Lab File: BE100552.D

Acq: 25 Sep 2019 11:00

Instrument :

BNA_E

ClientSampleId :

PB123289BS

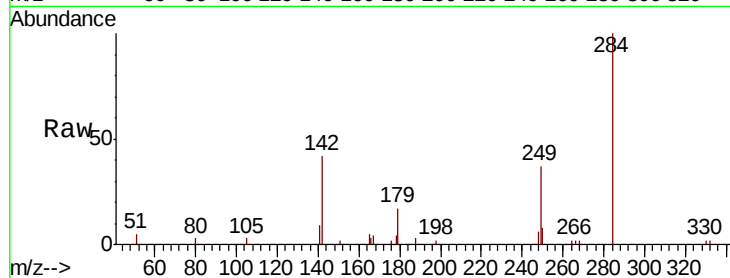
Tot Ion:284 Resp: 3946

Ion Ratio Lower Upper

284 100

142 48.0 39.0 58.6

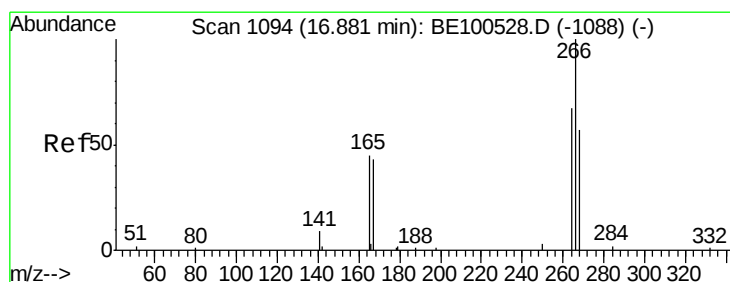
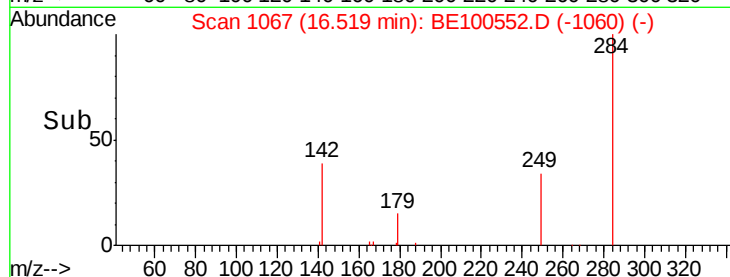
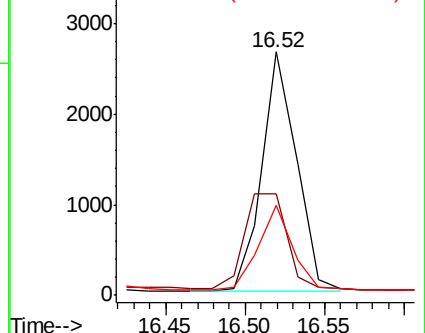
249 34.7 28.2 42.2



Abundance Ion 283.80 (283.50 to 284.50): E

Ion 142.00 (141.70 to 142.70): E

Ion 249.00 (248.70 to 249.70): E



#22

Pentachlorophenol

Concen: 0.572 ng

RT: 16.87 min Scan# 1093

Delta R.T. -0.01 min

Lab File: BE100552.D

Acq: 25 Sep 2019 11:00

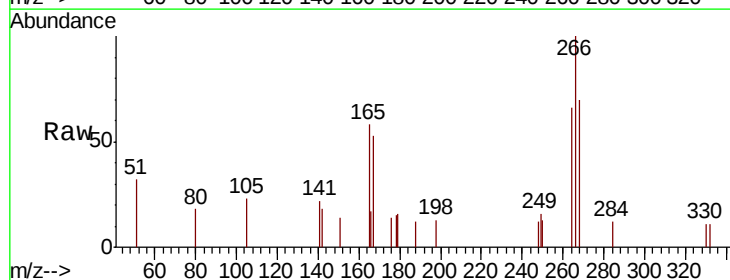
Tgt Ion:266 Resp: 1222

Ion Ratio Lower Upper

266 100

264 66.0 57.6 86.4

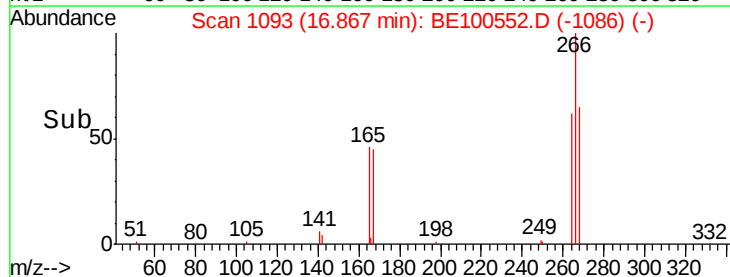
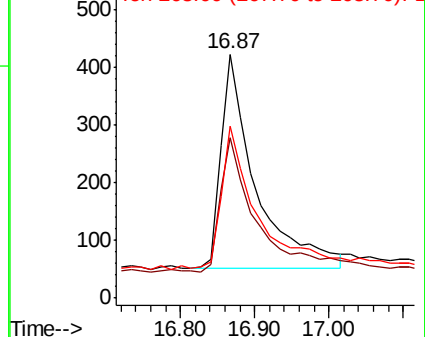
268 70.4 55.1 82.7

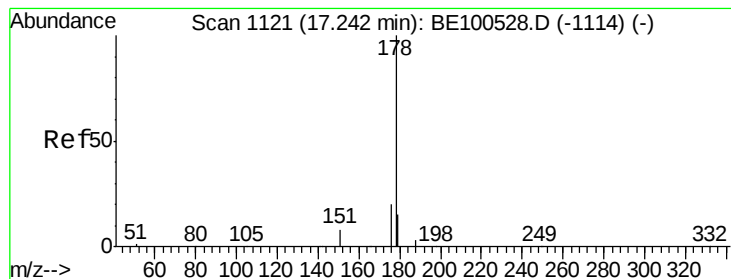


Abundance Ion 266.00 (265.70 to 266.70): E

Ion 264.00 (263.70 to 264.70): E

Ion 268.00 (267.70 to 268.70): E





#23

Phenanthrene

Concen: 0.330 ng

RT: 17.24 min Scan# 1121

Delta R.T. 0.00 min

Lab File: BE100552.D

Acq: 25 Sep 2019 11:00

Instrument :

BNA_E

ClientSampleId :

PB123289BS

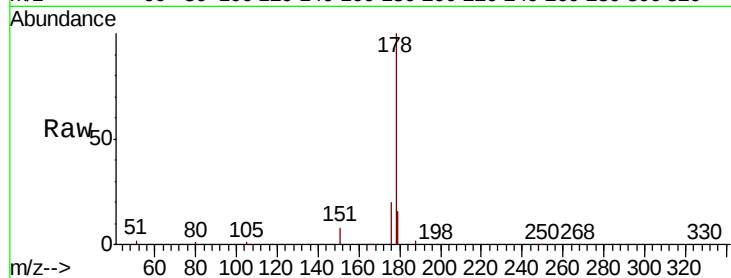
Tot Ion:178 Resp: 28547

Ion Ratio Lower Upper

178 100

176 19.2 15.4 23.2

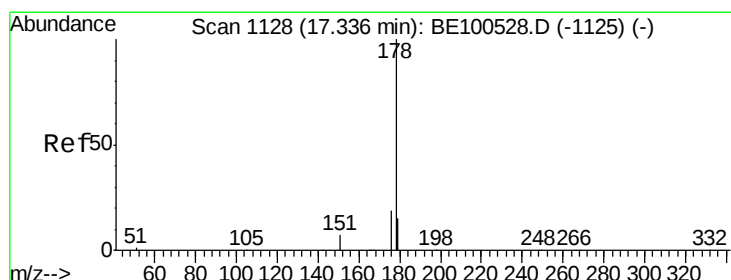
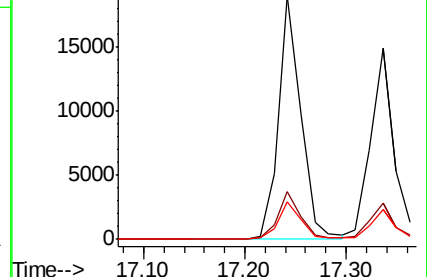
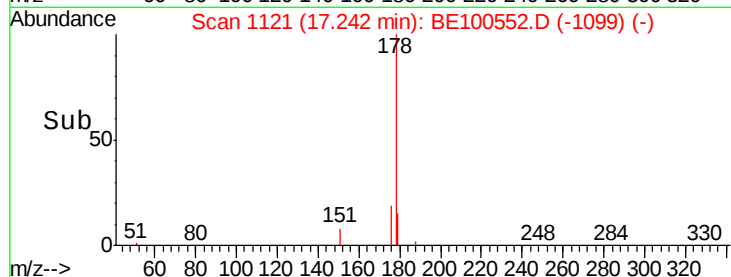
179 15.5 12.6 18.8



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: 0.317 ng

RT: 17.34 min Scan# 1128

Delta R.T. 0.00 min

Lab File: BE100552.D

Acq: 25 Sep 2019 11:00

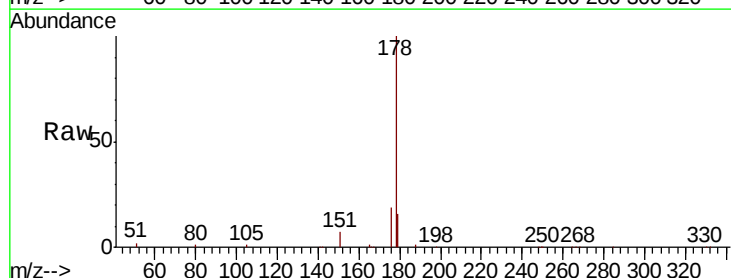
Tgt Ion:178 Resp: 23080

Ion Ratio Lower Upper

178 100

176 18.4 15.2 22.8

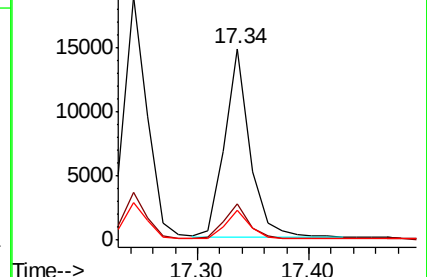
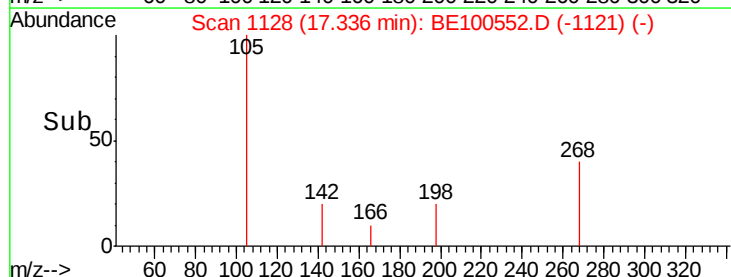
179 15.1 12.2 18.4

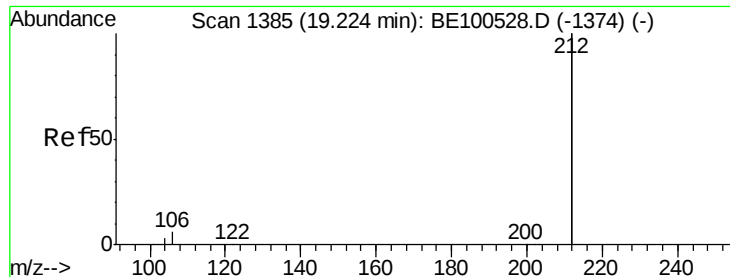


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#25

Fluoranthene-d10

Concen: 0.252 ng

RT: 19.22 min Scan# 1385

Delta R.T. 0.00 min

Lab File: BE100552.D

Acq: 25 Sep 2019 11:00

Instrument :

BNA_E

ClientSampleId :

PB123289BS

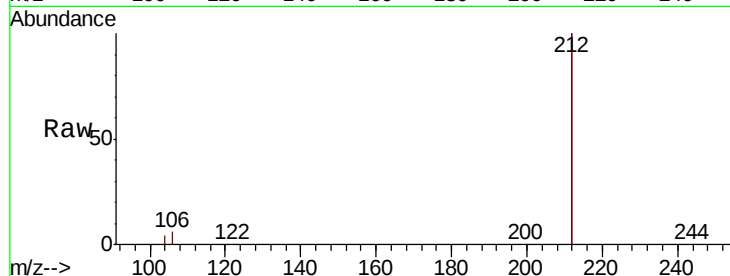
Tot Ion:212 Resp: 92791

Ion Ratio Lower Upper

212 100

106 2.9 2.3 3.5

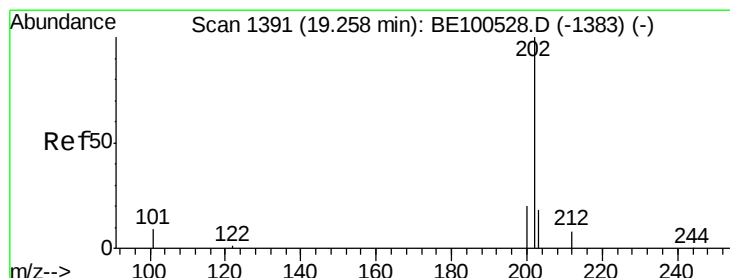
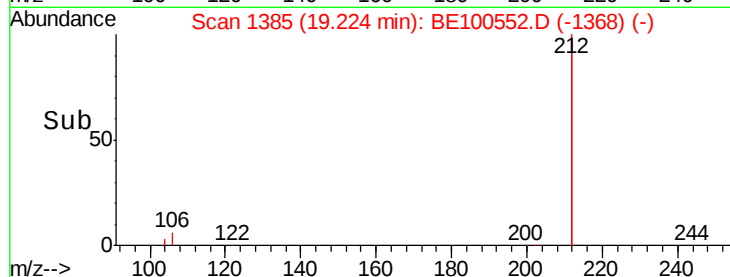
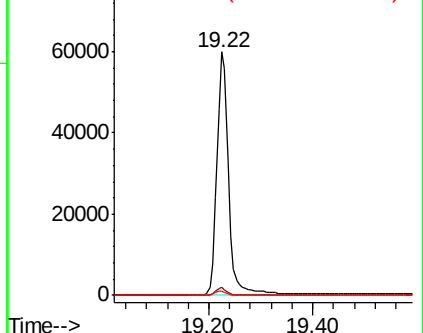
104 1.7 1.3 1.9



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: 0.268 ng

RT: 19.25 min Scan# 1390

Delta R.T. -0.01 min

Lab File: BE100552.D

Acq: 25 Sep 2019 11:00

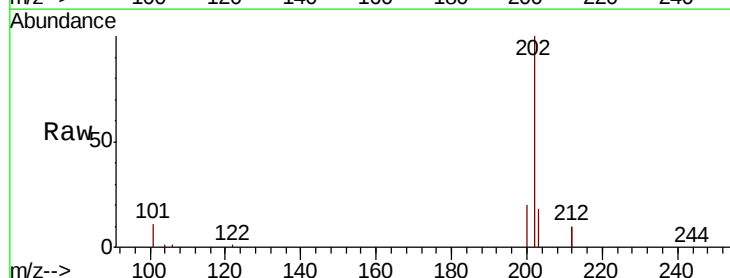
Tgt Ion:202 Resp: 27920

Ion Ratio Lower Upper

202 100

101 10.7 8.8 13.2

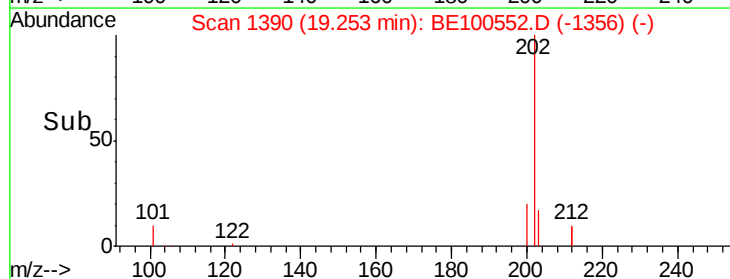
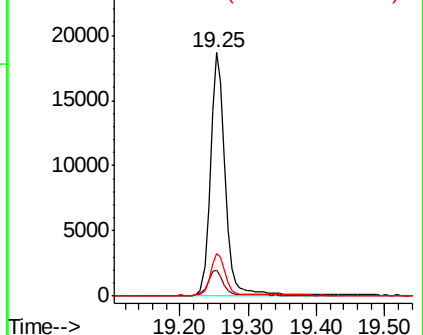
203 17.4 13.7 20.5



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

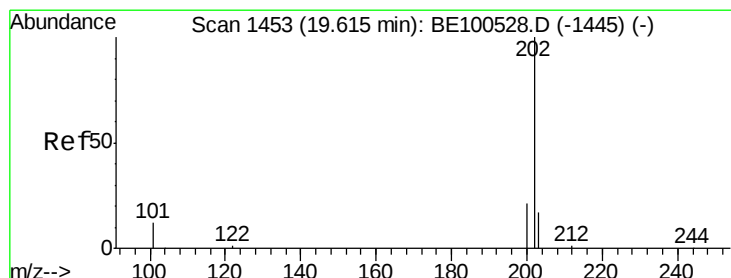
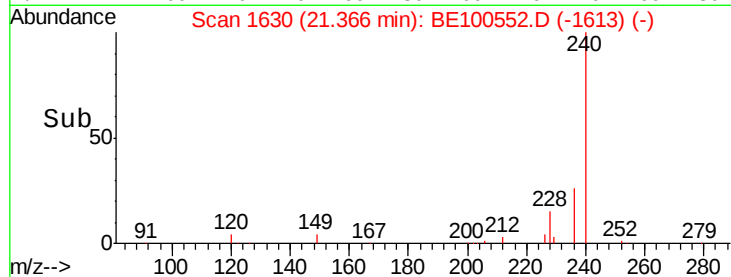
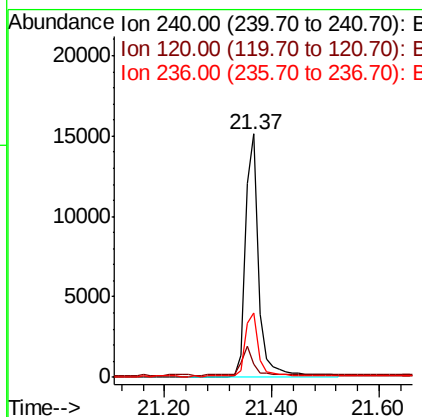
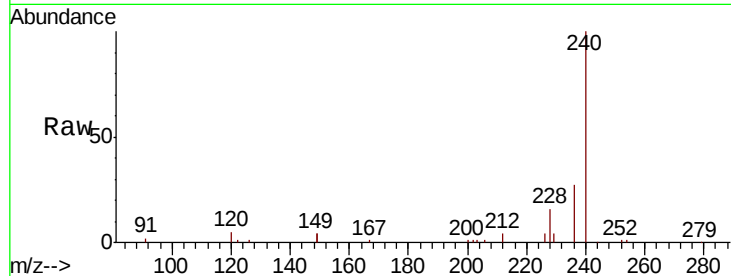




#27
 Chrysene-d12
 Concen: 0.400 ng
 RT: 21.37 min Scan# 1630
 Delta R.T. -0.00 min
 Lab File: BE100552.D
 Acq: 25 Sep 2019 11:00

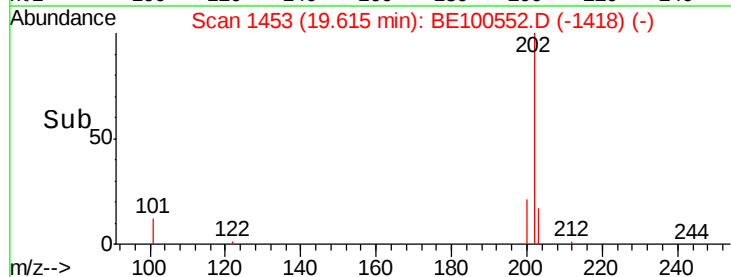
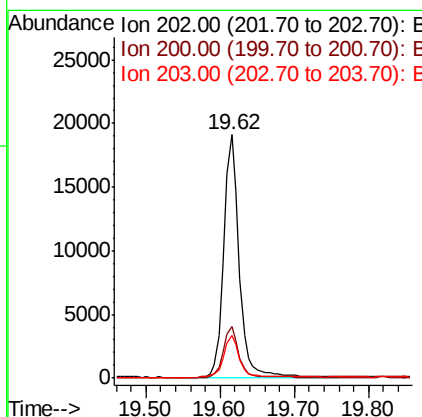
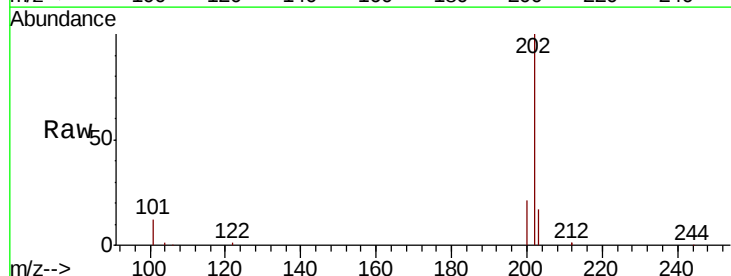
Instrument :
 BNA_E
 ClientSampleId :
 PB123289BS

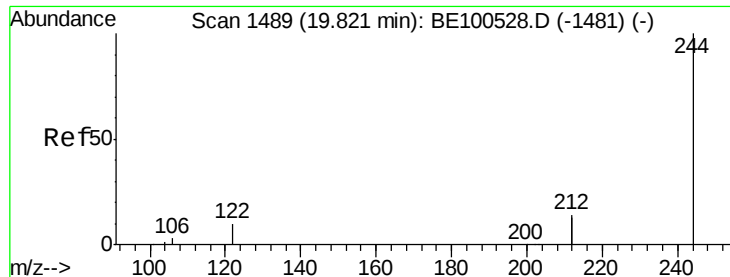
Tot Ion:240 Resp: 26176
 Ion Ratio Lower Upper
 240 100
 120 5.3 4.5 6.7
 236 26.5 20.6 30.8



#28
 Pyrene
 Concen: 0.367 ng
 RT: 19.62 min Scan# 1453
 Delta R.T. 0.00 min
 Lab File: BE100552.D
 Acq: 25 Sep 2019 11:00

Tgt Ion:202 Resp: 27631
 Ion Ratio Lower Upper
 202 100
 200 20.8 16.6 25.0
 203 17.6 14.0 21.0





#29

Terphenyl-d14

Concen: 0.354 ng

RT: 19.82 min Scan# 1489

Delta R.T. 0.00 min

Lab File: BE100552.D

Acq: 25 Sep 2019 11:00

Instrument :

BNA_E

ClientSampleId :

PB123289BS

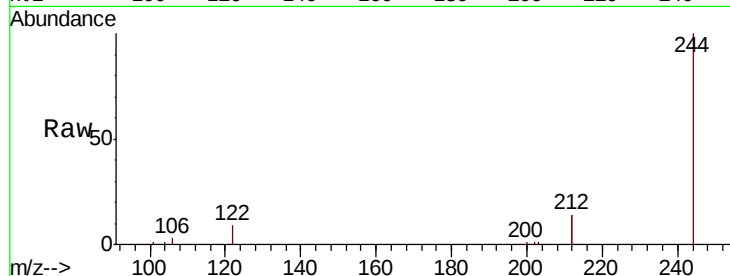
Tot Ion:244 Resp: 21947

Ion Ratio Lower Upper

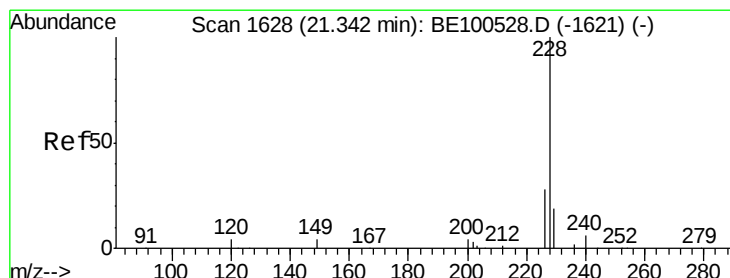
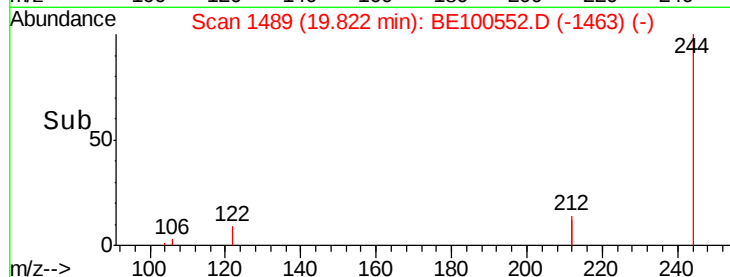
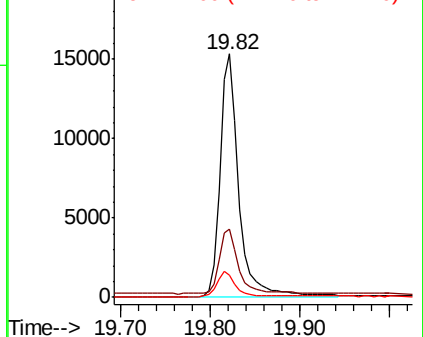
244 100

212 27.9 22.2 33.2

122 9.2 8.3 12.5



Abundance Ion 244.00 (243.70 to 244.70): E
Ion 212.00 (211.70 to 212.70): E
Ion 122.00 (121.70 to 122.70): E



#30

Benzo(a)anthracene

Concen: 0.325 ng

RT: 21.34 min Scan# 1628

Delta R.T. -0.00 min

Lab File: BE100552.D

Acq: 25 Sep 2019 11:00

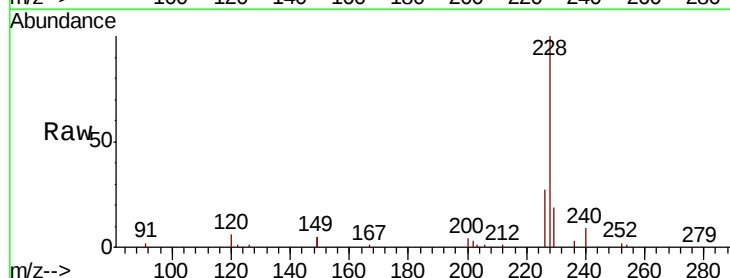
Tgt Ion:228 Resp: 22734

Ion Ratio Lower Upper

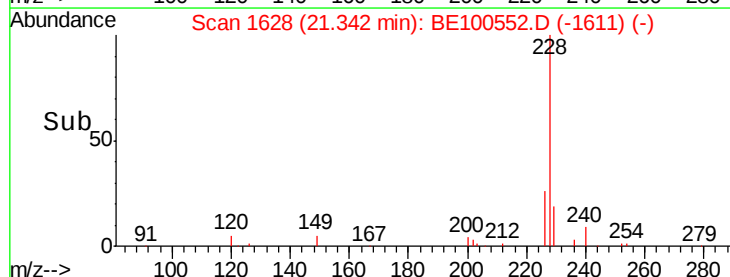
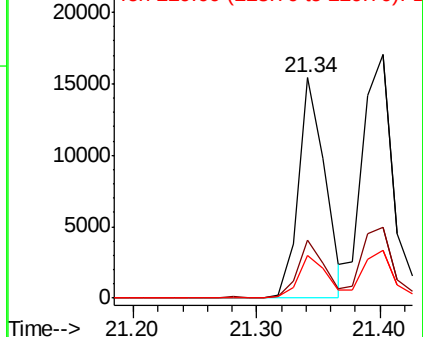
228 100

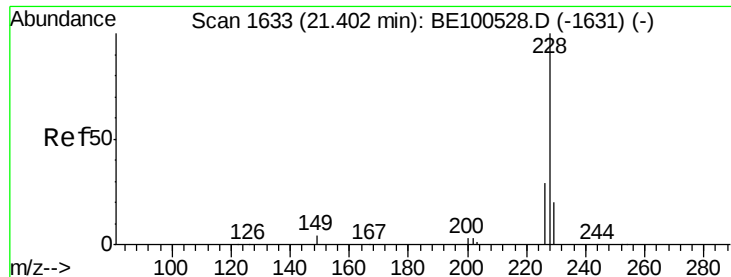
226 26.5 22.5 33.7

229 19.3 15.4 23.2



Abundance Ion 228.00 (227.70 to 228.70): E
Ion 226.00 (225.70 to 226.70): E
Ion 229.00 (228.70 to 229.70): E





#31

Chrysene

Concen: 0.360 ng

RT: 21.40 min Scan# 1633

Delta R.T. -0.00 min

Lab File: BE100552.D

Acq: 25 Sep 2019 11:00

Instrument :

BNA_E

ClientSampleId :

PB123289BS

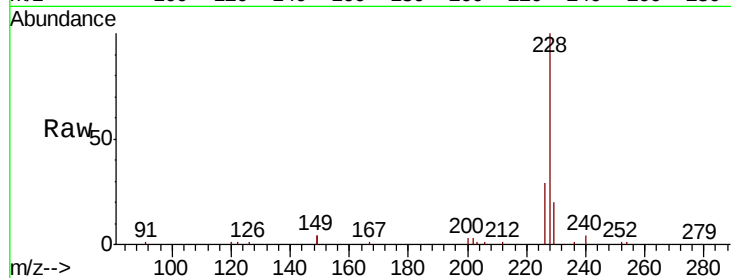
Tot Ion:228 Resp: 28689

Ion Ratio Lower Upper

228 100

226 29.2 23.3 34.9

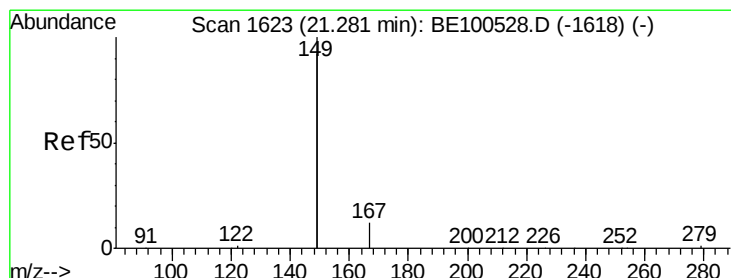
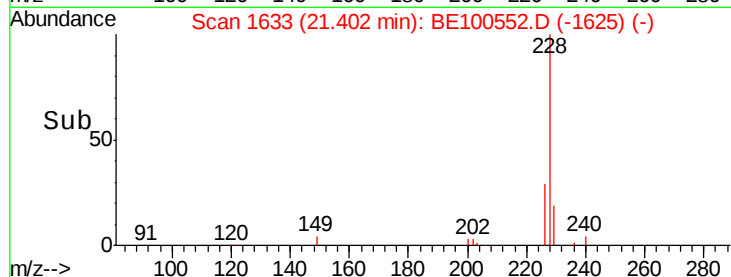
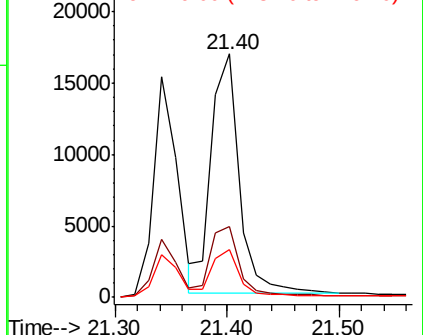
229 19.7 16.3 24.5



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: 0.319 ng

RT: 21.28 min Scan# 1623

Delta R.T. -0.00 min

Lab File: BE100552.D

Acq: 25 Sep 2019 11:00

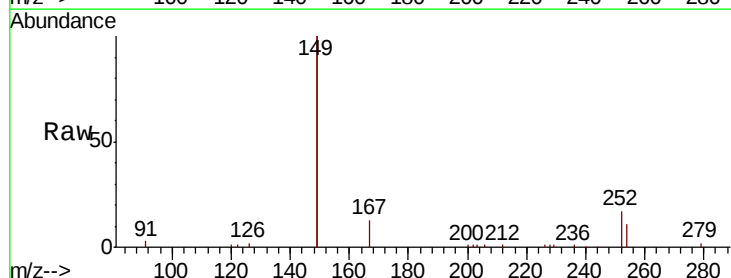
Tgt Ion:149 Resp: 24030

Ion Ratio Lower Upper

149 100

167 6.4 5.2 7.8

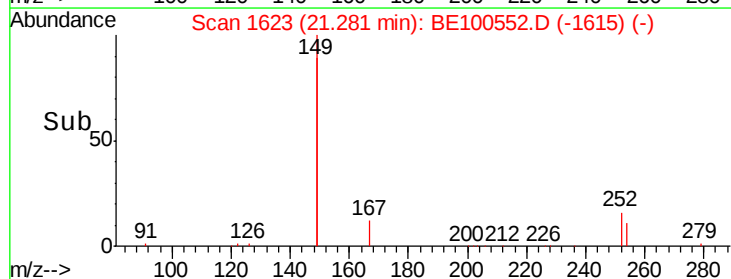
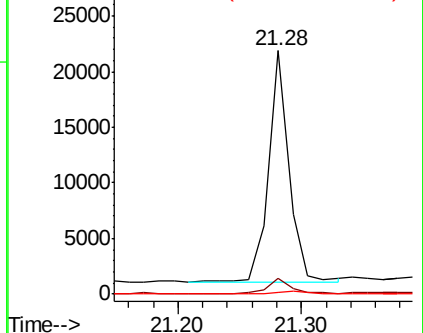
279 1.1 1.0 1.4

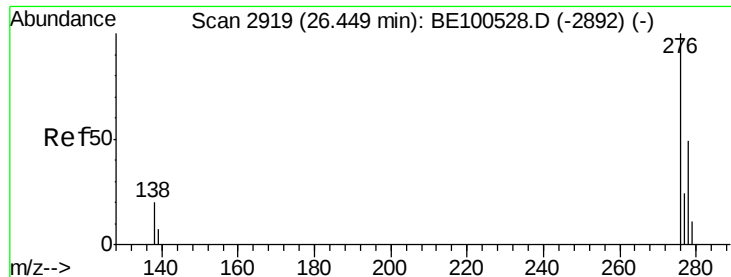


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E





#33

Indeno(1,2,3-cd)pyrene

Concen: 0.454 ng

RT: 26.45 min Scan# 2918

Delta R.T. -0.00 min

Lab File: BE100552.D

Acq: 25 Sep 2019 11:00

Instrument :

BNA_E

ClientSampleId :

PB123289BS

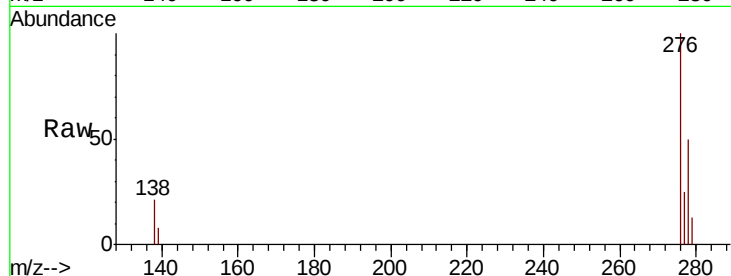
Tot Ion:276 Resp: 40221

Ion Ratio Lower Upper

276 100

138 22.3 17.7 26.5

277 24.8 19.9 29.9

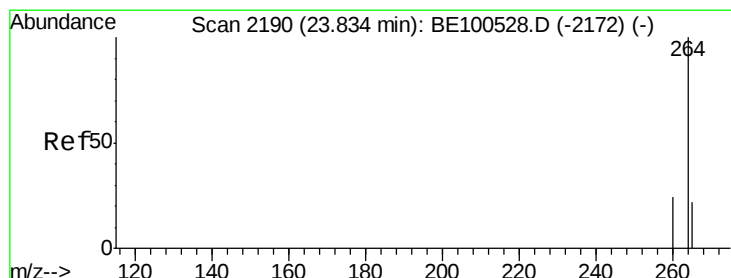
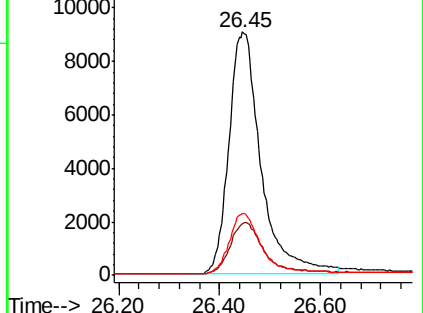
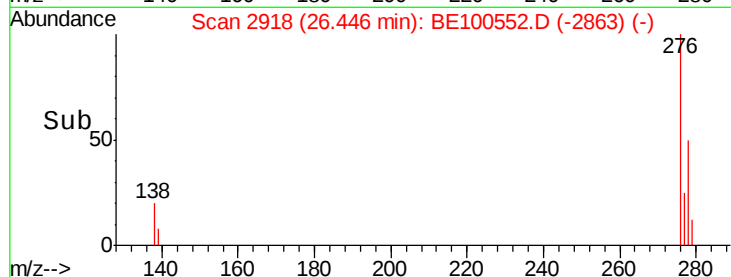


Abundance

Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E



#34

Perylene-d12

Concen: 0.400 ng

RT: 23.83 min Scan# 2190

Delta R.T. -0.00 min

Lab File: BE100552.D

Acq: 25 Sep 2019 11:00

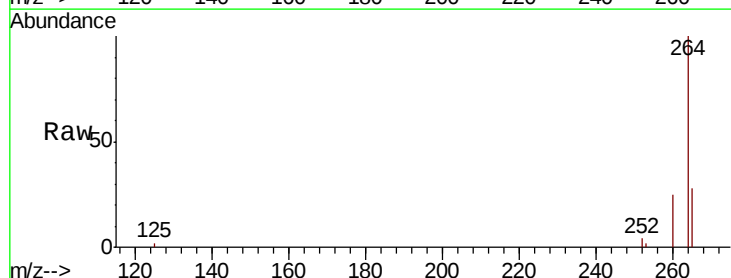
Tgt Ion:264 Resp: 35742

Ion Ratio Lower Upper

264 100

260 24.8 19.6 29.4

265 28.2 21.8 32.8

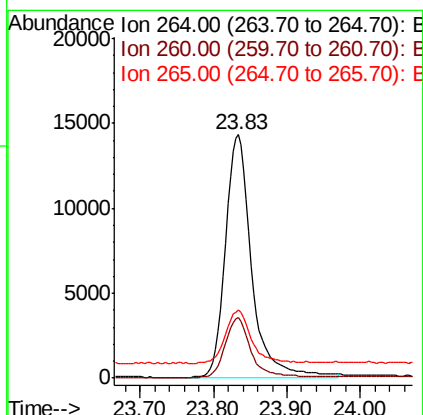
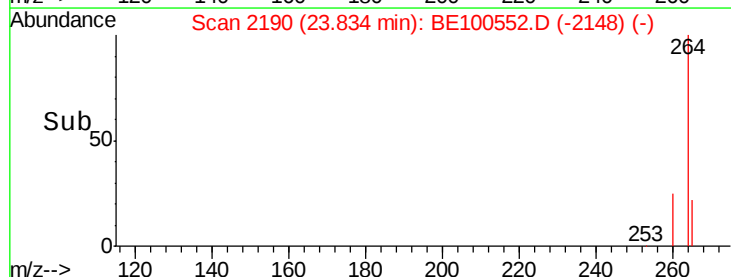


Abundance

Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E





#35

Benzo(b)fluoranthene

Concen: 0.332 ng

RT: 23.07 min Scan# 1977

Delta R.T. -0.00 min

Lab File: BE100552.D

Acq: 25 Sep 2019 11:00

Instrument :

BNA_E

ClientSampleId :

PB123289BS

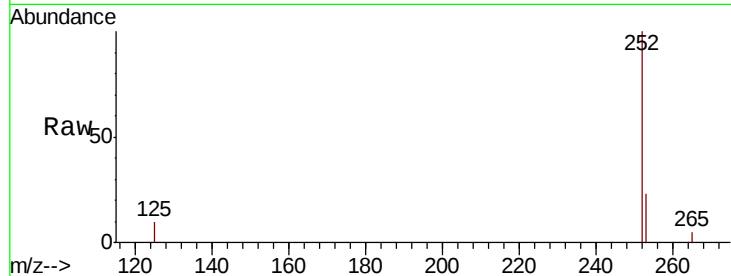
Tot Ion:252 Resp: 32082

Ion Ratio Lower Upper

252 100

253 22.6 18.1 27.1

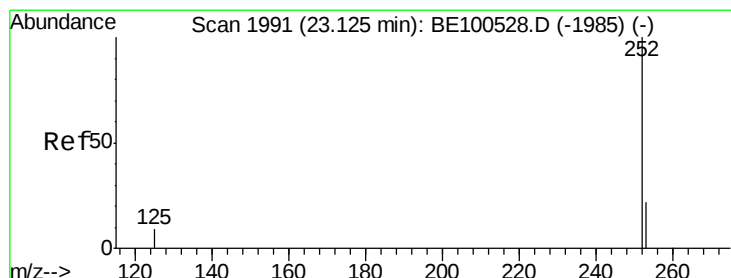
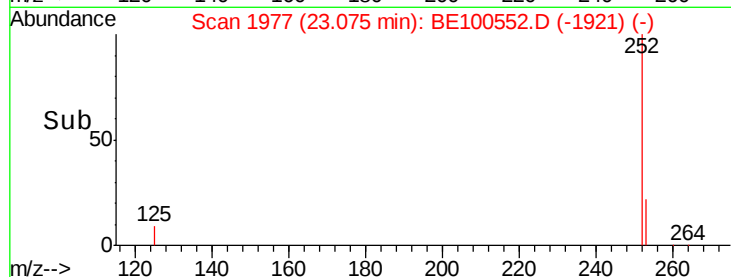
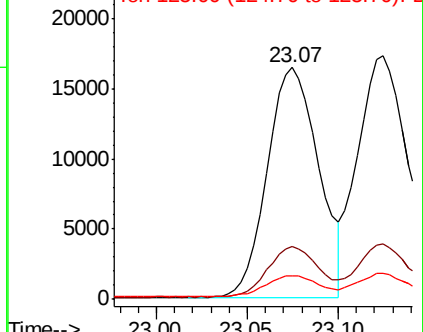
125 10.0 8.0 12.0



Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#36

Benzo(k)fluoranthene

Concen: 0.337 ng

RT: 23.12 min Scan# 1991

Delta R.T. -0.00 min

Lab File: BE100552.D

Acq: 25 Sep 2019 11:00

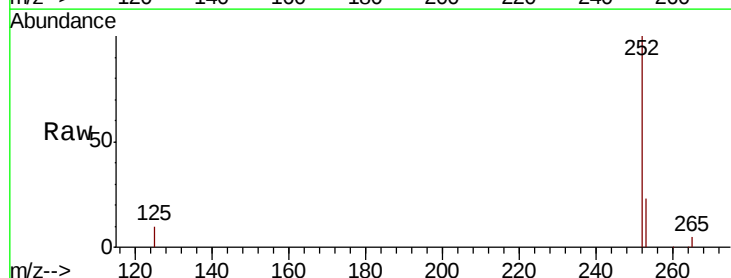
Tgt Ion:252 Resp: 37725

Ion Ratio Lower Upper

252 100

253 22.7 17.9 26.9

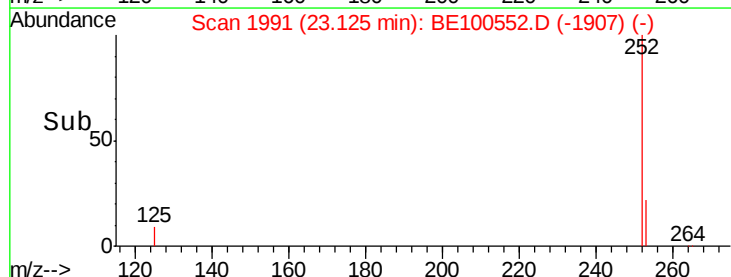
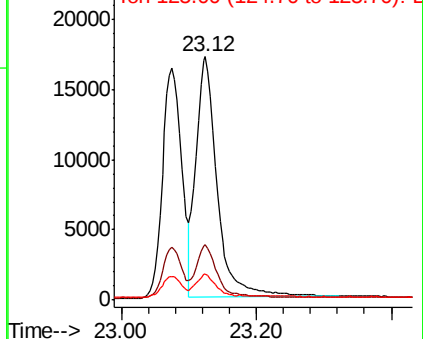
125 10.5 8.5 12.7



Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#37

Benzo(a)pyrene

Concen: 0.354 ng

RT: 23.72 min Scan# 2158

Delta R.T. -0.00 min

Lab File: BE100552.D

Acq: 25 Sep 2019 11:00

Instrument :

BNA_E

ClientSampleId :

PB123289BS

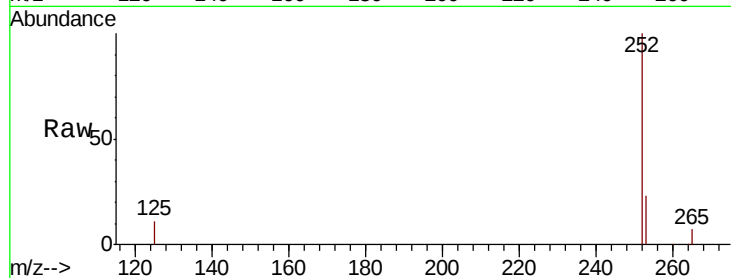
Tot Ion:252 Resp: 31979

Ion Ratio Lower Upper

252 100

253 22.8 18.1 27.1

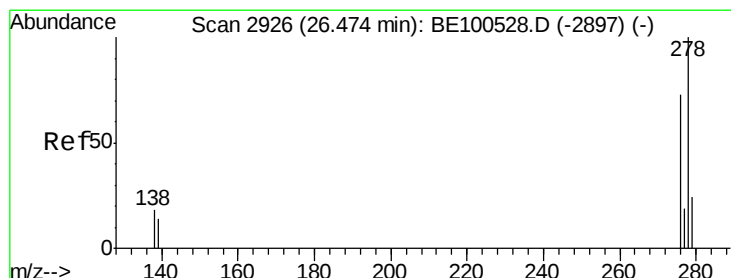
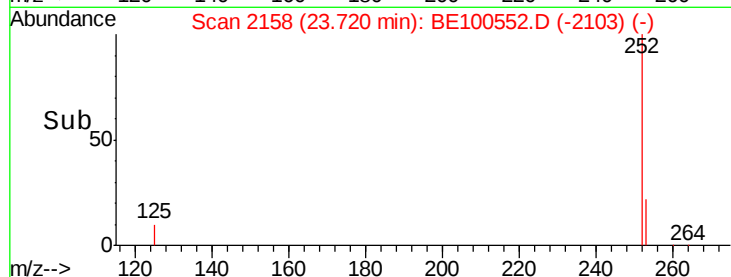
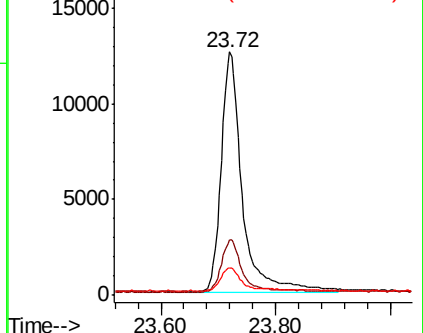
125 11.4 9.2 13.8



Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#38

Dibenzo(a,h)anthracene

Concen: 0.347 ng

RT: 26.47 min Scan# 2924

Delta R.T. -0.01 min

Lab File: BE100552.D

Acq: 25 Sep 2019 11:00

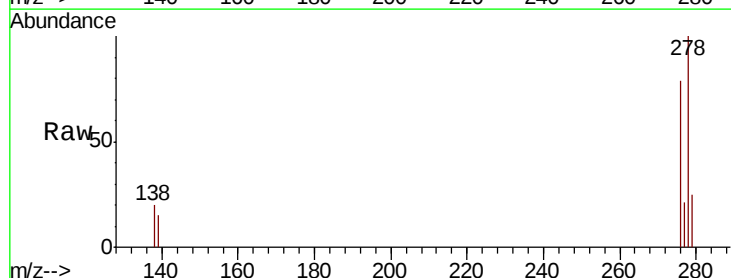
Tgt Ion:278 Resp: 32647

Ion Ratio Lower Upper

278 100

139 14.7 11.6 17.4

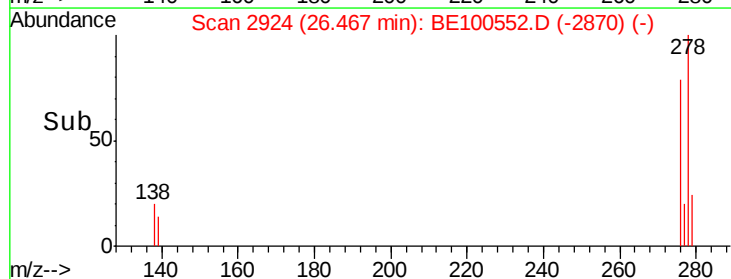
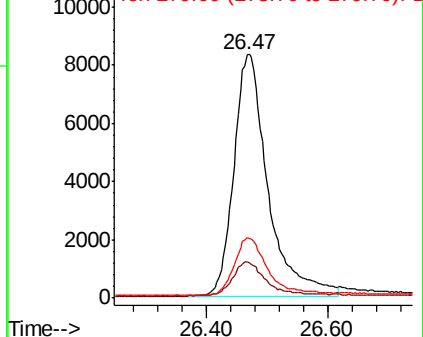
279 24.8 19.7 29.5

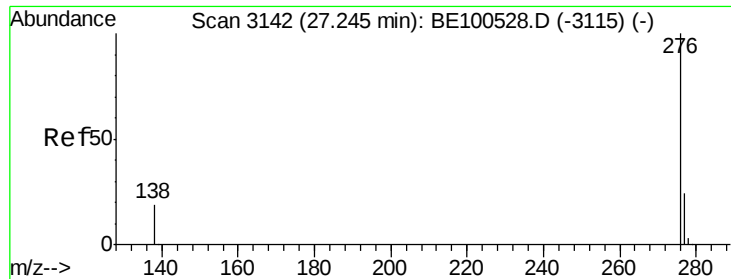


Abundance Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E





#39

Benzo(a,h,i)perylene

Concen: 0.372 ng

RT: 27.24 min Scan# 3141

Delta R.T. -0.00 min

Lab File: BE100552.D

Acq: 25 Sep 2019 11:00

Instrument :

BNA_E

ClientSampleId :

PB123289BS

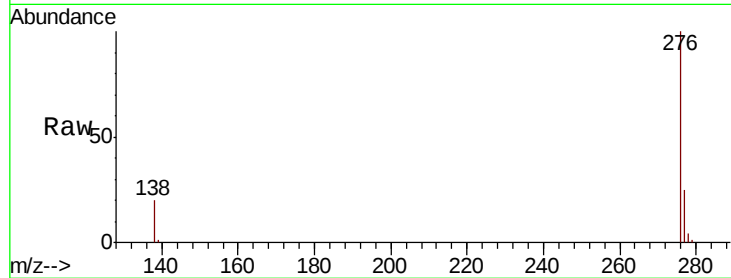
Tot Ion: 276 Resp: 36504

Ion Ratio Lower Upper

276 100

277 25.2 19.2 28.8

138 19.9 15.7 23.5



Abundance

Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

