

Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE092319\
 Data File : BE100539.D
 Acq On : 23 Sep 2019 14:36
 Operator : HP/JU
 Sample : PB123166BS
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 PB123166BS

Quant Time: Sep 23 15:44:01 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	6229	0.40	ng	0.00
7) Naphthalene-d8	10.65	136	29102	0.40	ng	0.00
13) Acenaphthene-d10	14.49	164	16186	0.40	ng	0.00
19) Phenanthrene-d10	17.20	188	34979	0.40	ng	0.00
27) Chrysene-d12	21.37	240	35200	0.40	ng	0.00
34) Perylene-d12	23.84	264	38910	0.40	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Fluorophenol	5.43	112	5397	0.37	ng	0.00
5) Phenol-d6	7.01	99	7352	0.37	ng	-0.01
8) Nitrobenzene-d5	9.00	82	6091	0.36	ng	0.00
11) 2-Methylnaphthalene-d10	12.24	152	16556	0.38	ng	0.00
14) 2,4,6-Tribromophenol	15.96	330	884	0.34	ng	0.00
15) 2-Fluorobiphenyl	13.12	172	22846	0.40	ng	0.00
25) Fluoranthene-d10	19.22	212	150457	0.36	ng	0.00
29) Terphenyl-d14	19.82	244	34218	0.41	ng	0.00

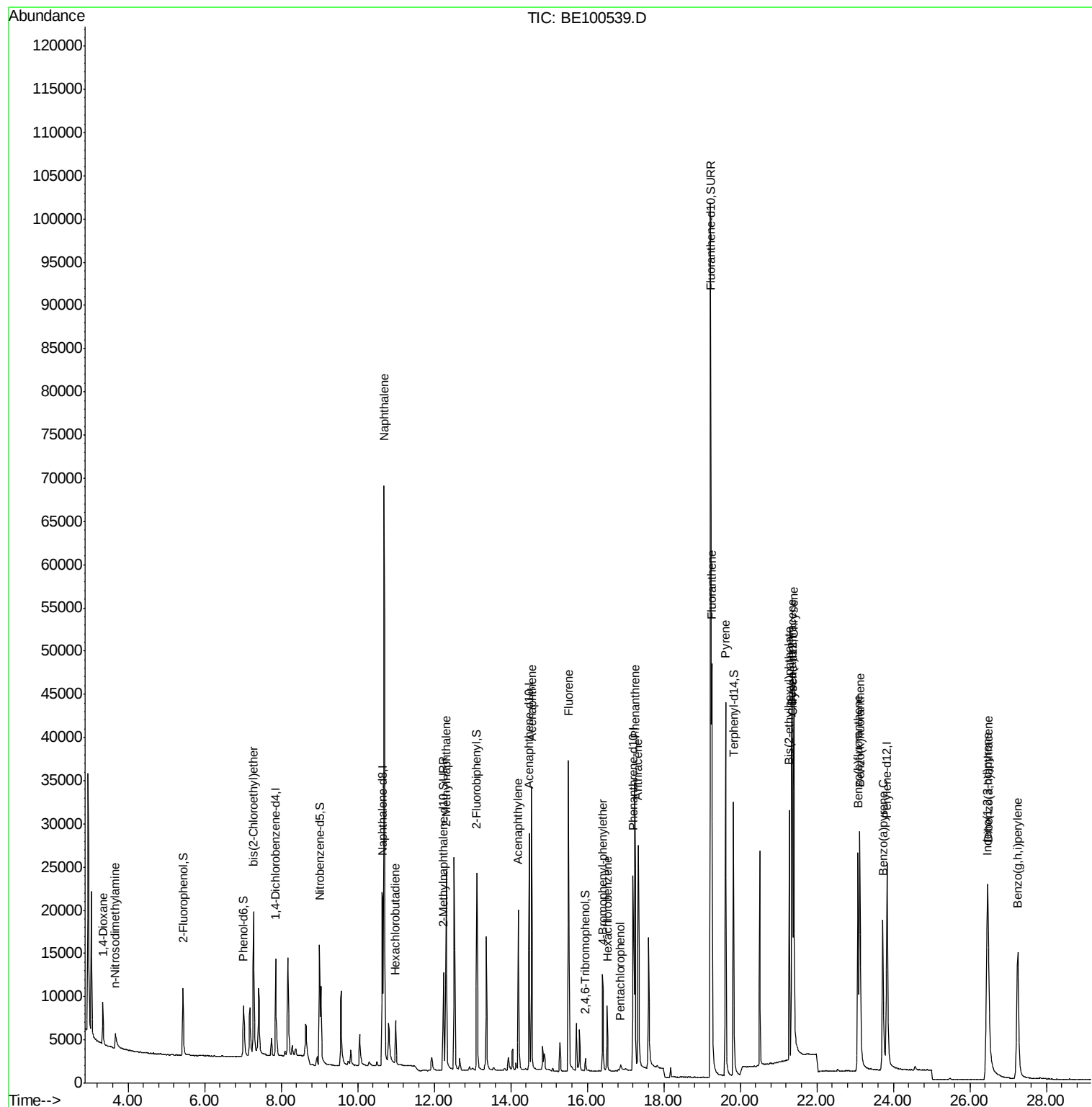
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) 1,4-Dioxane	3.34	88	3436	0.382	ng	96
3) n-Nitrosodimethylamine	3.67	42	1914	0.363	ng	# 92
6) bis(2-Chloroethyl)ether	7.28	93	7775	0.385	ng	95
9) Naphthalene	10.69	128	117130	0.388	ng	100
10) Hexachlorobutadiene	10.99	225	3768	0.391	ng	98
12) 2-Methylnaphthalene	12.31	142	18024	0.375	ng	98
16) Acenaphthylene	14.20	152	24051	0.361	ng	100
17) Acenaphthene	14.54	154	16894	0.375	ng	99
18) Fluorene	15.51	166	21333	0.379	ng	99
20) 4-Bromophenyl-phenylether	16.41	248	6120	0.372	ng	# 64
21) Hexachlorobenzene	16.52	284	5449	0.380	ng	99
22) Pentachlorophenol	16.87	266	802	0.410	ng	94
23) Phenanthrene	17.24	178	37374	0.383	ng	100
24) Anthracene	17.33	178	29392	0.358	ng	100
26) Fluoranthene	19.25	202	42457	0.361	ng	100
28) Pyrene	19.62	202	42252	0.417	ng	100
30) Benzo(a)anthracene	21.34	228	35426	0.377	ng	100
31) Chrysene	21.40	228	40605	0.379	ng	100
32) Bis(2-ethylhexyl)phthalate	21.28	149	34018	0.336	ng	100
33) Indeno(1,2,3-cd)pyrene	26.45	276	43979	0.369	ng	99
35) Benzo(b)fluoranthene	23.08	252	37560	0.357	ng	99
36) Benzo(k)fluoranthene	23.13	252	47220	0.388	ng	99
37) Benzo(a)pyrene	23.73	252	34664	0.353	ng	100
38) Dibenzo(a,h)anthracene	26.48	278	36176	0.354	ng	100
39) Benzo(g,h,i)perylene	27.25	276	39558	0.370	ng	99

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

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#1

1,4-Dichlorobenzene-d4

Concen: 0.400 ng

RT: 7.86 min Scan# 434

Delta R.T. 0.00 min

Lab File: BE100539.D

Acq: 23 Sep 2019 14:36

Instrument :

BNA_E

ClientSampleId :

PB123166BS

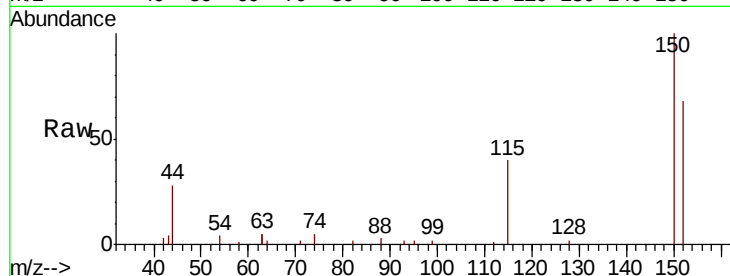
Tot Ion:152 Resp: 6229

Ion Ratio Lower Upper

152 100

150 146.8 121.6 182.4

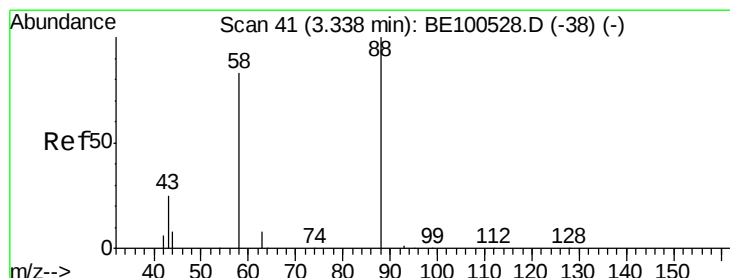
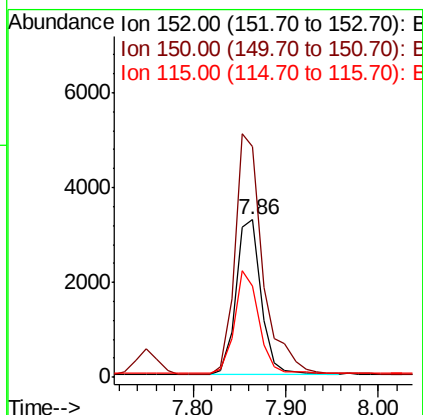
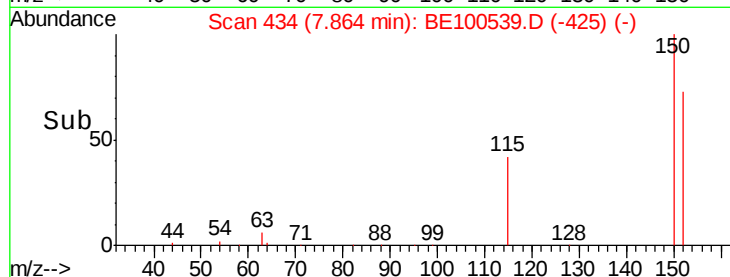
115 58.4 48.2 72.4



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: 0.382 ng

RT: 3.34 min Scan# 41

Delta R.T. 0.00 min

Lab File: BE100539.D

Acq: 23 Sep 2019 14:36

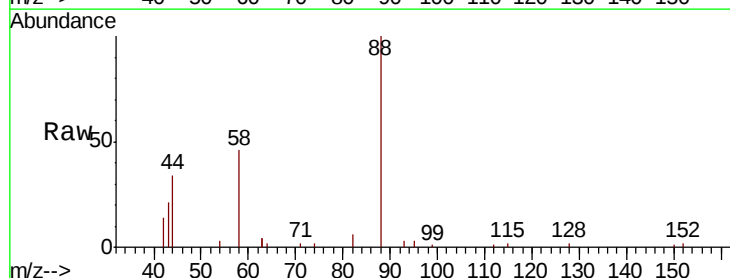
Tgt Ion: 88 Resp: 3436

Ion Ratio Lower Upper

88 100

58 69.3 53.3 79.9

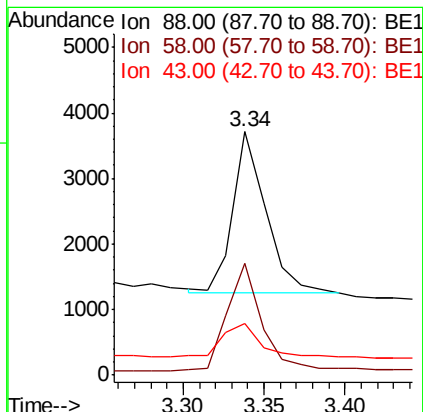
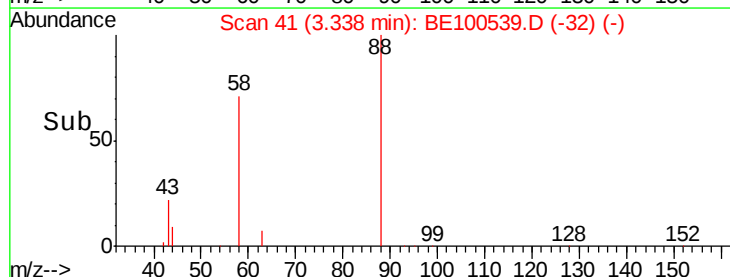
43 23.9 16.9 25.3

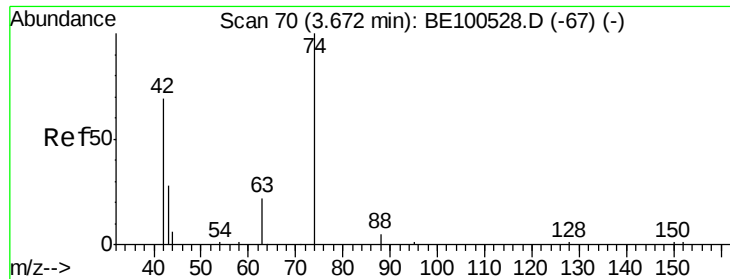


Abundance Ion 88.00 (87.70 to 88.70): BE1

Ion 58.00 (57.70 to 58.70): BE1

Ion 43.00 (42.70 to 43.70): BE1





#3

n-Nitrosodimethylamine

Concen: 0.363 ng

RT: 3.67 min Scan# 70

Delta R.T. 0.00 min

Lab File: BE100539.D

Acq: 23 Sep 2019 14:36

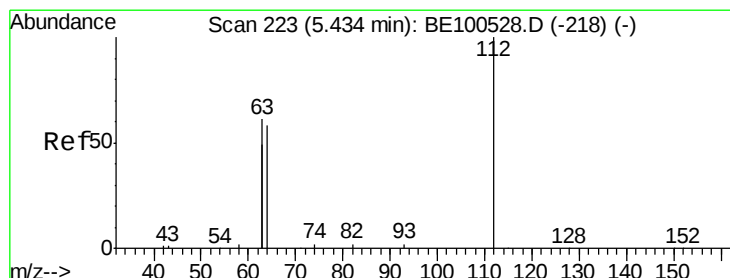
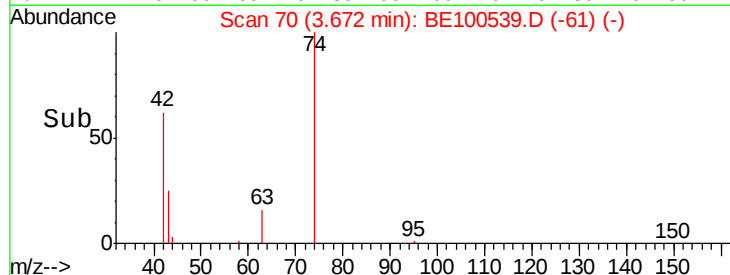
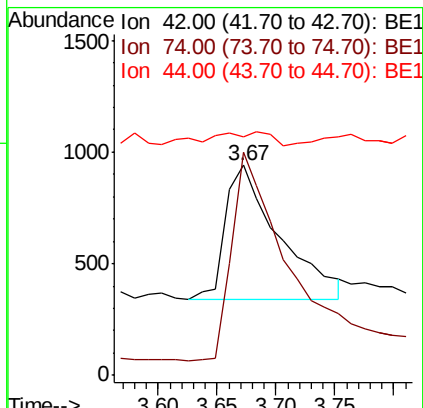
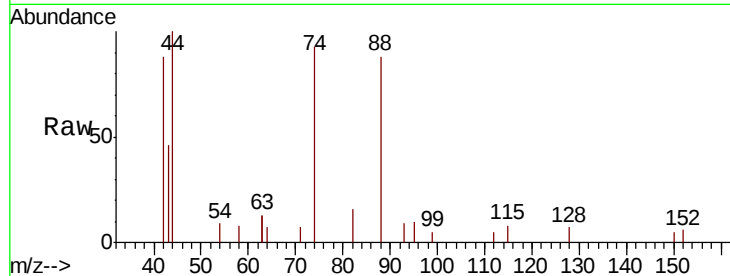
Instrument :

BNA_E

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PB123166BS

Tot Ion:	42	Resp:	1914
Ion	Ratio	Lower	Upper
42	100		
74	155.8	133.8	200.6
44	10.7	6.4	9.6#



#4

2-Fluorophenol

Concen: 0.370 ng

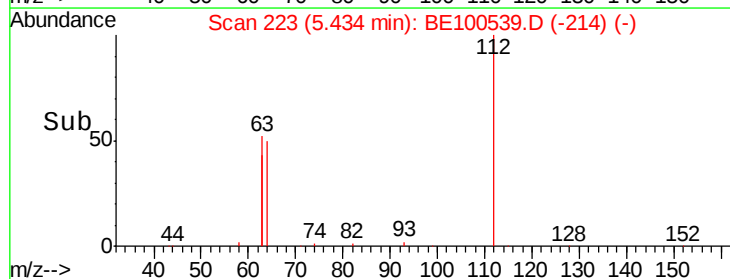
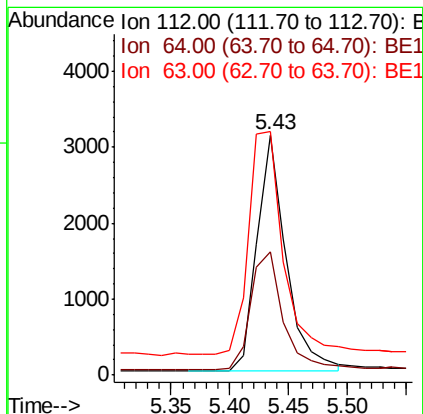
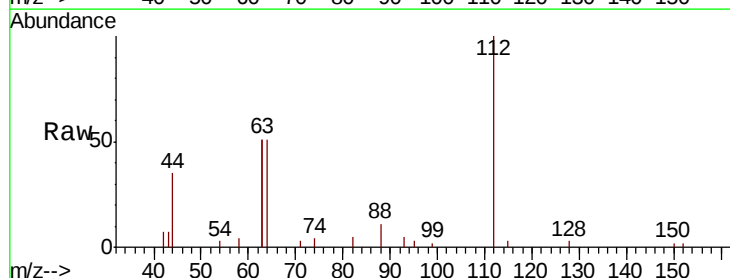
RT: 5.43 min Scan# 223

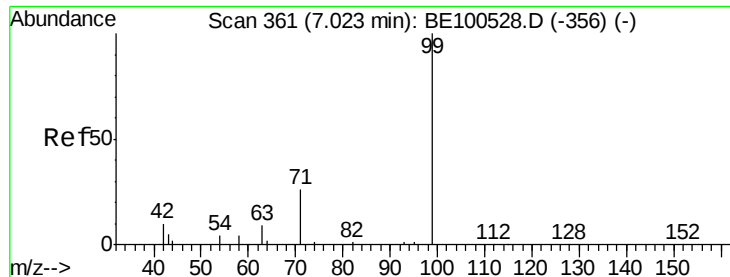
Delta R.T. 0.00 min

Lab File: BE100539.D

Acq: 23 Sep 2019 14:36

Tgt Ion:	112	Resp:	5397
Ion	Ratio	Lower	Upper
112	100		
64	55.7	44.1	66.1
63	111.1	86.5	129.7





#5

Phenol-d6

Concen: 0.368 ng

RT: 7.01 min Scan# 360

Delta R.T. -0.01 min

Lab File: BE100539.D

Acq: 23 Sep 2019 14:36

Instrument :

BNA_E

ClientSampleId :

PB123166BS

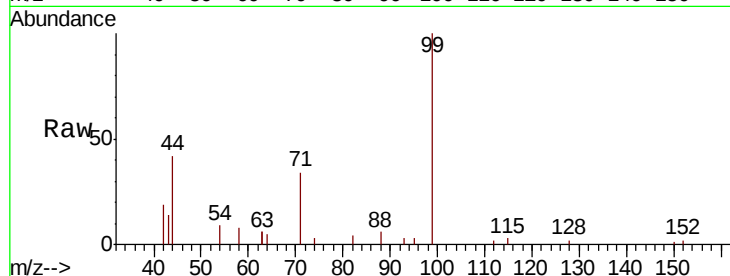
Tot Ion: 99 Resp: 7352

Ion Ratio Lower Upper

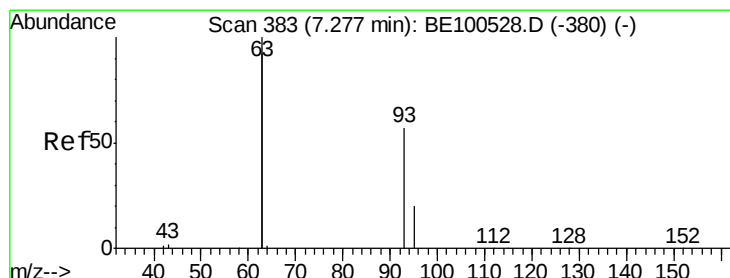
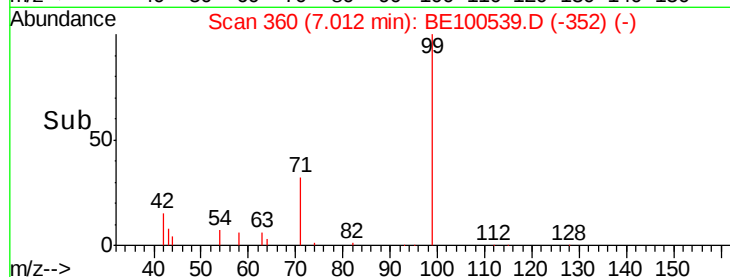
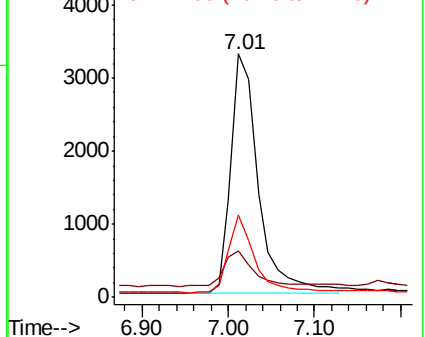
99 100

42 17.1 13.0 19.6

71 30.0 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: 0.385 ng

RT: 7.28 min Scan# 383

Delta R.T. 0.00 min

Lab File: BE100539.D

Acq: 23 Sep 2019 14:36

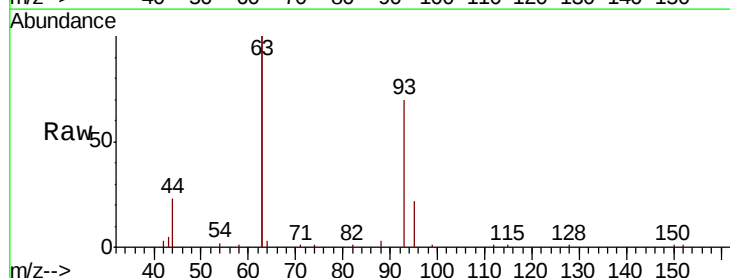
Tgt Ion: 93 Resp: 7775

Ion Ratio Lower Upper

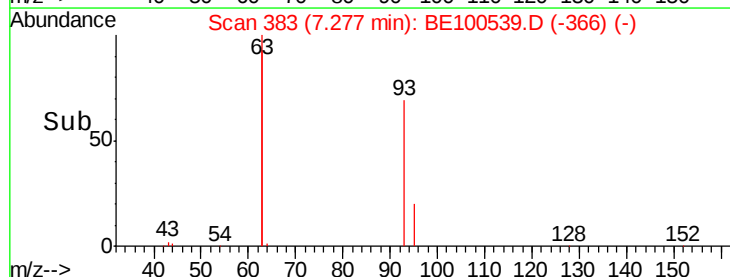
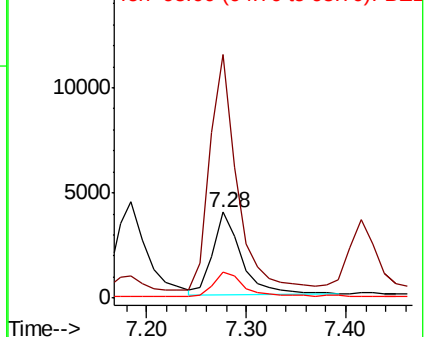
93 100

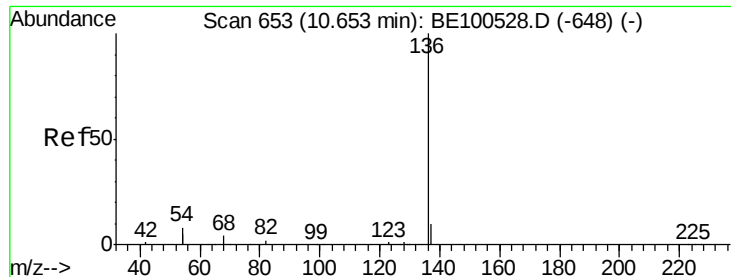
63 276.3 213.4 320.0

95 31.9 23.7 35.5



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





#7

Naphthalene-d8

Concen: 0.400 ng

RT: 10.65 min Scan# 653

Delta R.T. -0.00 min

Lab File: BE100539.D

Acq: 23 Sep 2019 14:36

Instrument :

BNA_E

ClientSampleId :

PB123166BS

Tot Ion:136 Resp: 29102

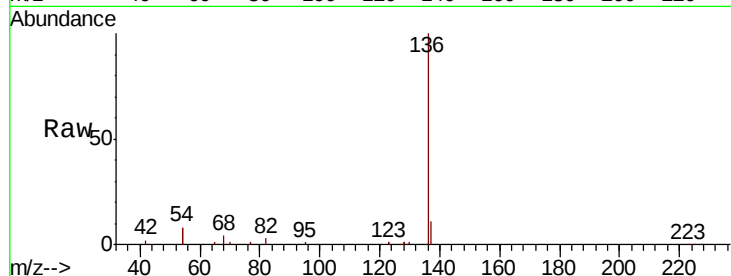
Ion Ratio Lower Upper

136 100

137 11.0 8.6 13.0

54 16.8 12.4 18.6

68 4.3 3.3 4.9

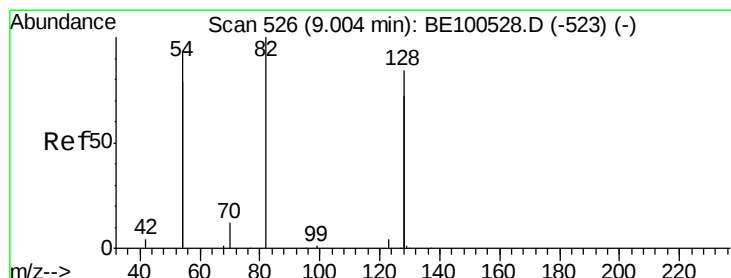
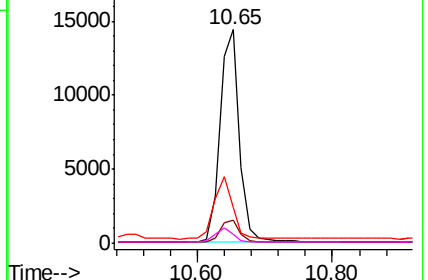
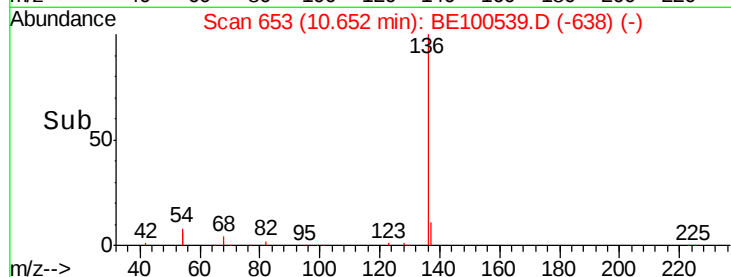


Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BE1

Ion 68.00 (67.70 to 68.70): BE1



#8

Nitrobenzene-d5

Concen: 0.363 ng

RT: 9.00 min Scan# 526

Delta R.T. -0.00 min

Lab File: BE100539.D

Acq: 23 Sep 2019 14:36

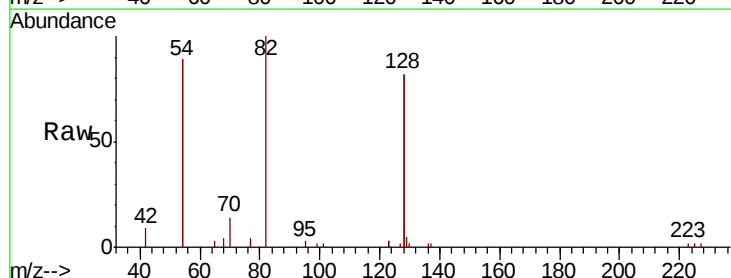
Tgt Ion: 82 Resp: 6091

Ion Ratio Lower Upper

82 100

128 163.9 129.4 194.2

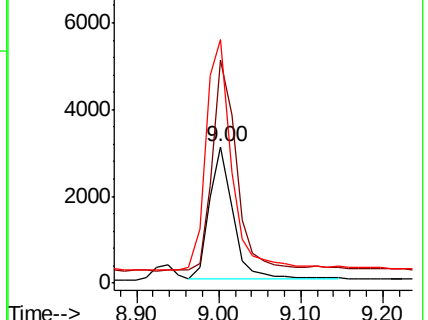
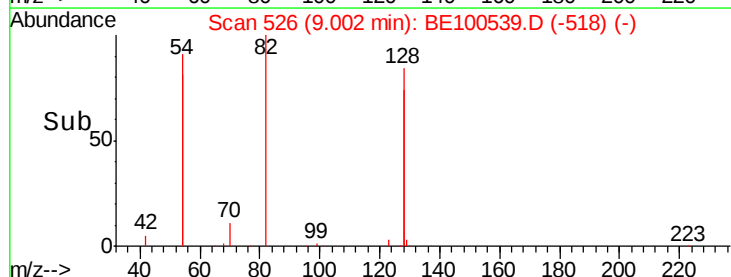
54 178.3 143.3 214.9

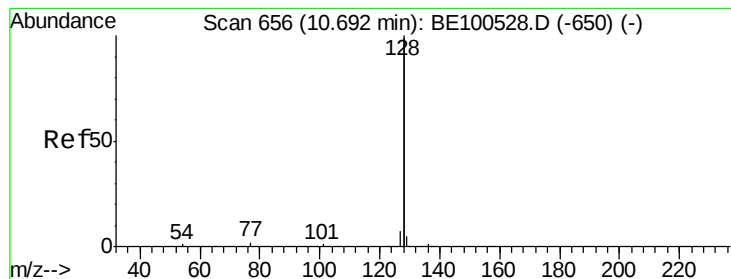


Abundance Ion 82.00 (81.70 to 82.70): BE1

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BE1





#9

Naphthalene

Concen: 0.388 ng

RT: 10.69 min Scan# 656

Delta R.T. -0.00 min

Lab File: BE100539.D

Acq: 23 Sep 2019 14:36

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ClientSampleId :

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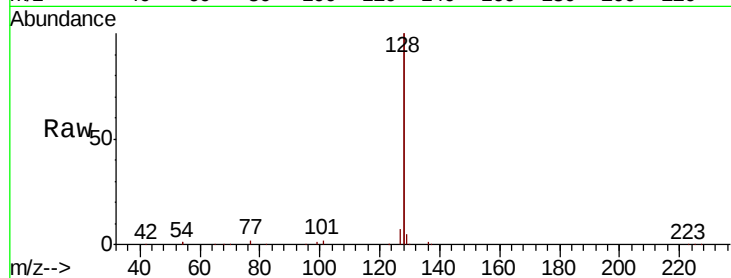
Tot Ion:128 Resp: 117130

Ion Ratio Lower Upper

128 100

129 2.7 2.2 3.4

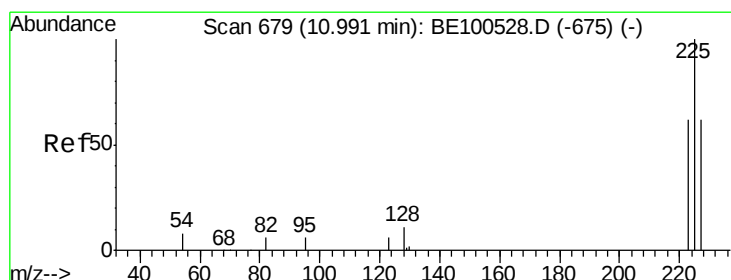
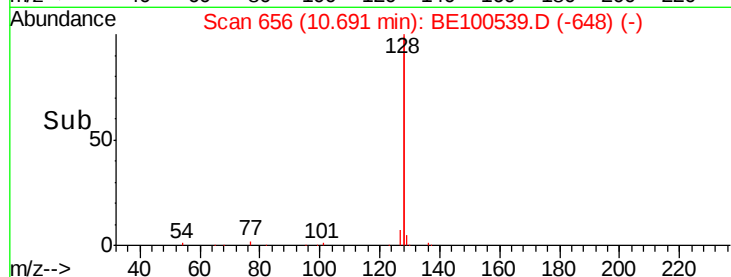
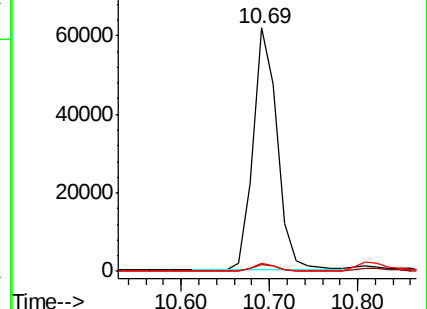
127 3.4 2.7 4.1



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: 0.391 ng

RT: 10.99 min Scan# 679

Delta R.T. -0.00 min

Lab File: BE100539.D

Acq: 23 Sep 2019 14:36

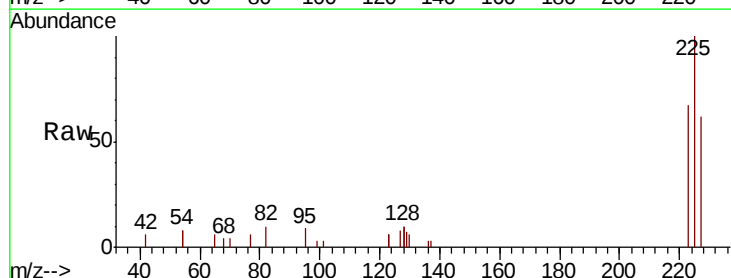
Tgt Ion:225 Resp: 3768

Ion Ratio Lower Upper

225 100

223 63.0 49.7 74.5

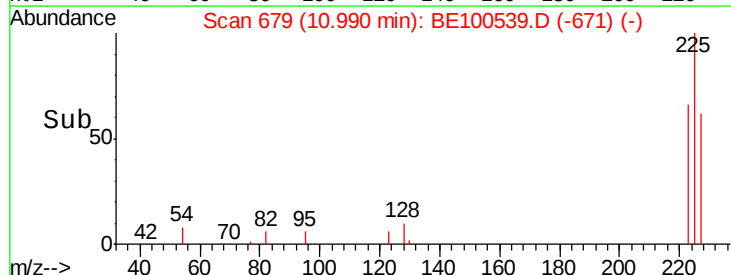
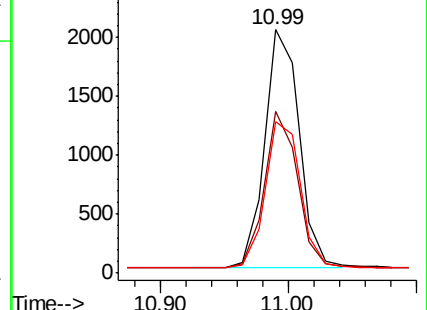
227 62.7 51.4 77.2

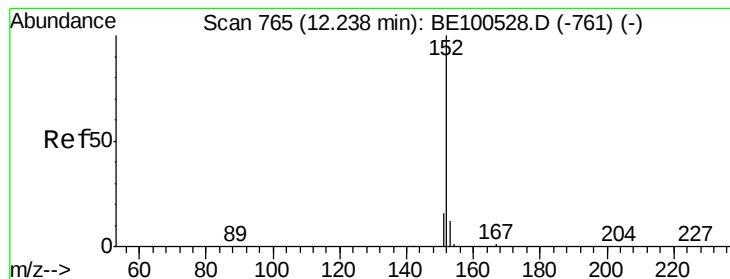


Abundance Ion 225.00 (224.70 to 225.70): E

Ion 223.00 (222.70 to 223.70): E

Ion 227.00 (226.70 to 227.70): E





#11

2-Methylnaphthalene-d10

Concen: 0.380 ng

RT: 12.24 min Scan# 765

Delta R.T. 0.00 min

Lab File: BE100539.D

Acq: 23 Sep 2019 14:36

Instrument :

BNA_E

ClientSampleId :

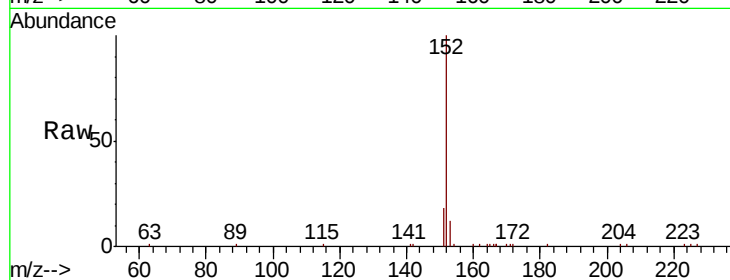
PB123166BS

Tot Ion:152 Resp: 16556

Ion Ratio Lower Upper

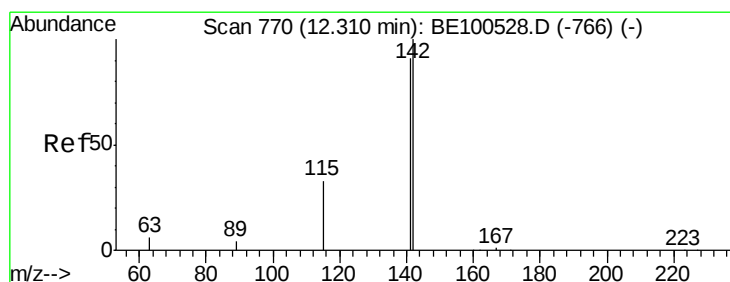
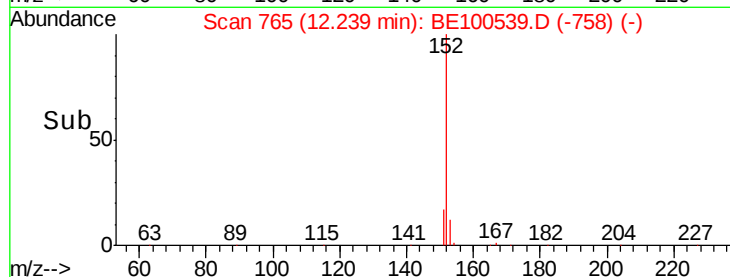
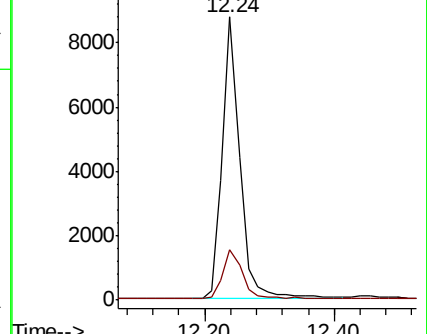
152 100

151 19.4 15.3 22.9



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E



#12

2-Methylnaphthalene

Concen: 0.375 ng

RT: 12.31 min Scan# 770

Delta R.T. 0.00 min

Lab File: BE100539.D

Acq: 23 Sep 2019 14:36

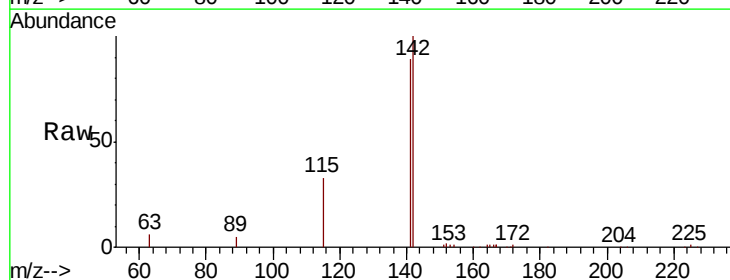
Tgt Ion:142 Resp: 18024

Ion Ratio Lower Upper

142 100

141 88.6 72.5 108.7

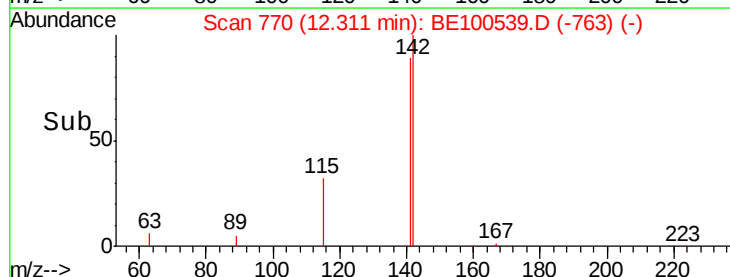
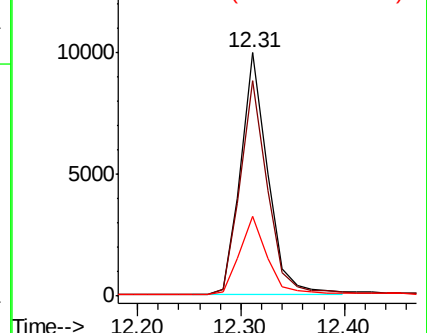
115 32.7 27.2 40.8

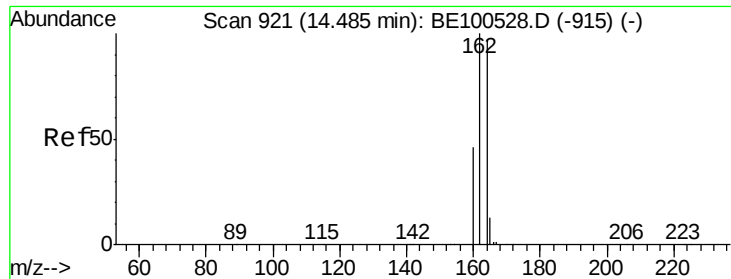


Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 115.00 (114.70 to 115.70): E

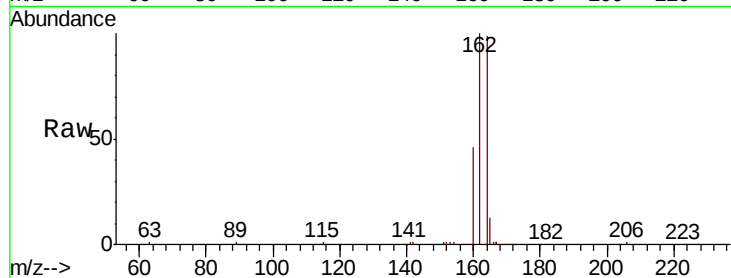




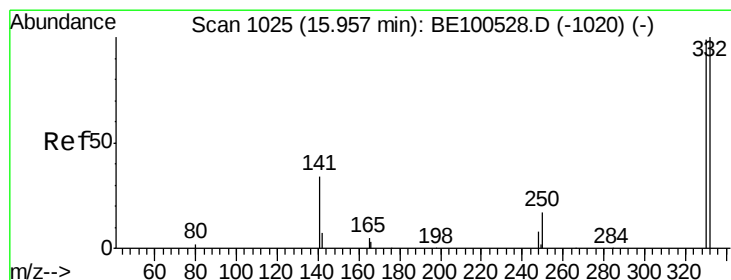
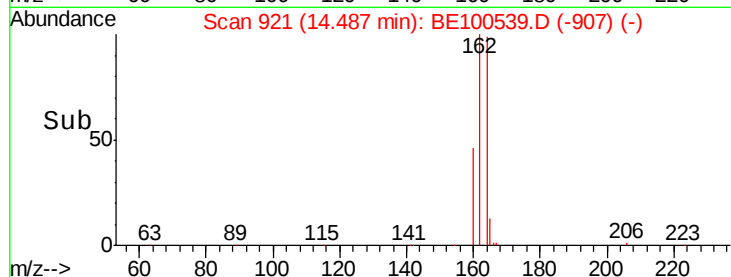
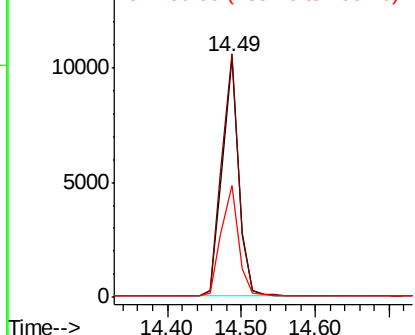
#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.49 min Scan# 921
Delta R.T. 0.00 min
Lab File: BE100539.D
Acq: 23 Sep 2019 14:36

Instrument :
BNA_E
ClientSampleId :
PB123166BS

Tot Ion:164 Resp: 16186
Ion Ratio Lower Upper
164 100
162 101.4 82.1 123.1
160 46.5 37.6 56.4

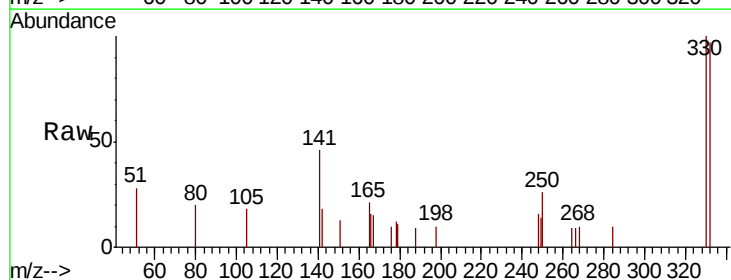


Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

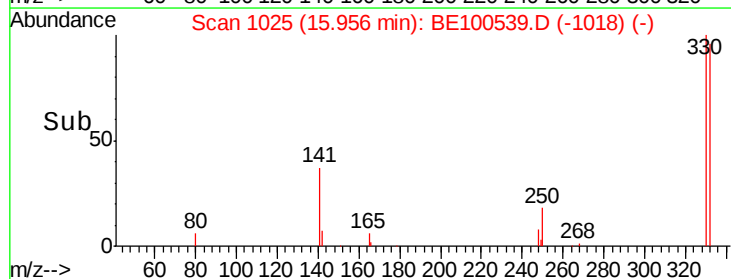
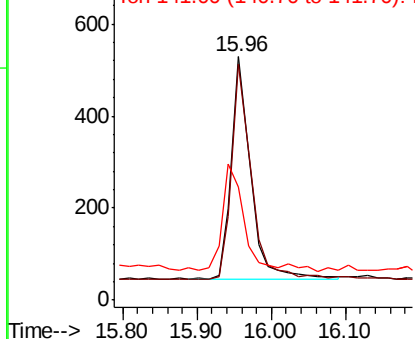


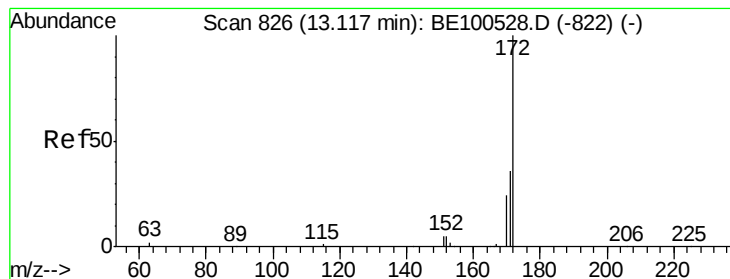
#14
2,4,6-Tribromophenol
Concen: 0.338 ng
RT: 15.96 min Scan# 1025
Delta R.T. -0.00 min
Lab File: BE100539.D
Acq: 23 Sep 2019 14:36

Tgt Ion:330 Resp: 884
Ion Ratio Lower Upper
330 100
332 101.6 75.5 113.3
141 49.7 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: 0.395 ng

RT: 13.12 min Scan# 826

Delta R.T. 0.00 min

Lab File: BE100539.D

Acq: 23 Sep 2019 14:36

Instrument :

BNA_E

ClientSampleId :

PB123166BS

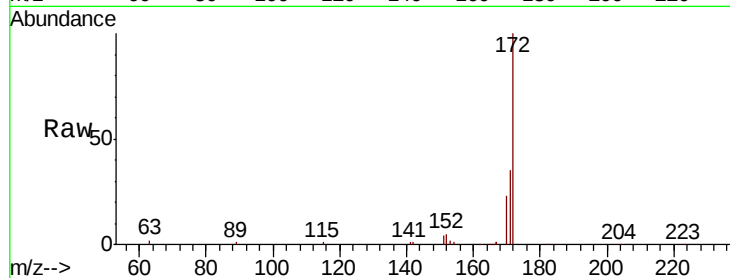
Tot Ion:172 Resp: 22846

Ion Ratio Lower Upper

172 100

171 35.2 28.8 43.2

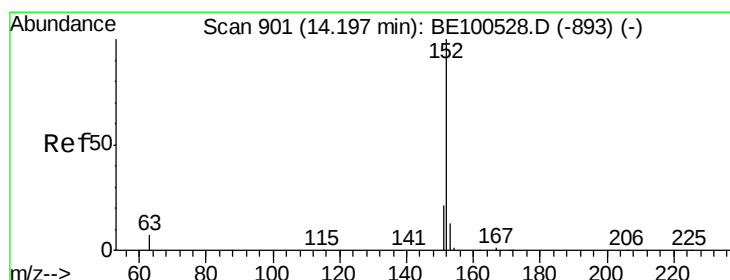
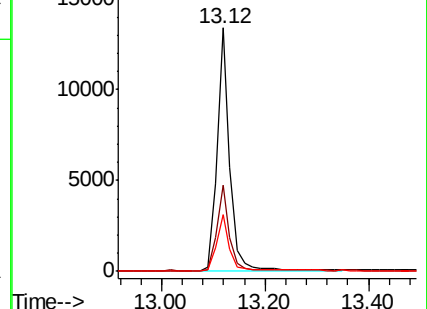
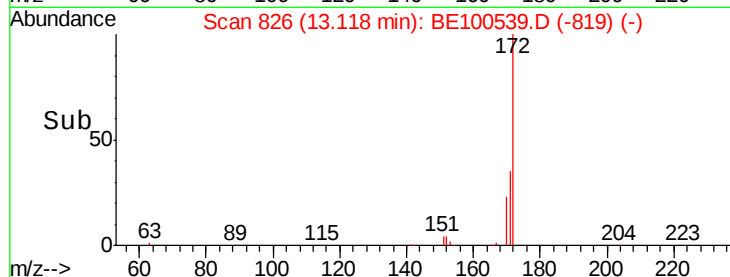
170 23.3 19.4 29.0



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: 0.361 ng

RT: 14.20 min Scan# 901

Delta R.T. 0.00 min

Lab File: BE100539.D

Acq: 23 Sep 2019 14:36

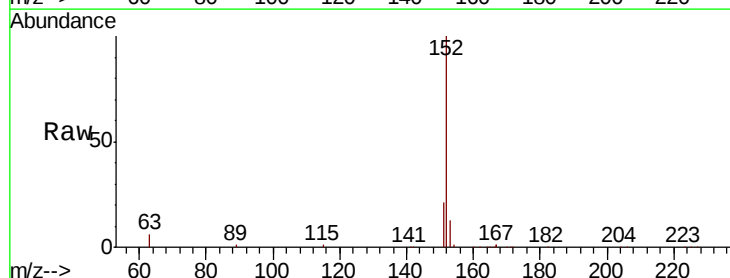
Tgt Ion:152 Resp: 24051

Ion Ratio Lower Upper

152 100

151 19.8 15.9 23.9

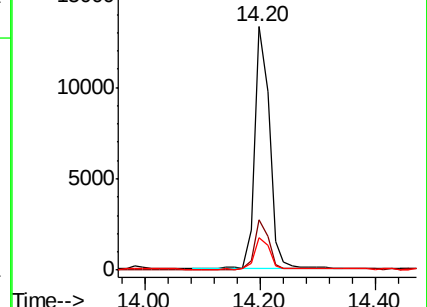
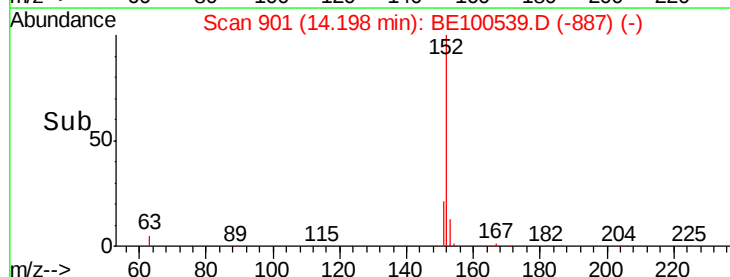
153 13.2 10.7 16.1

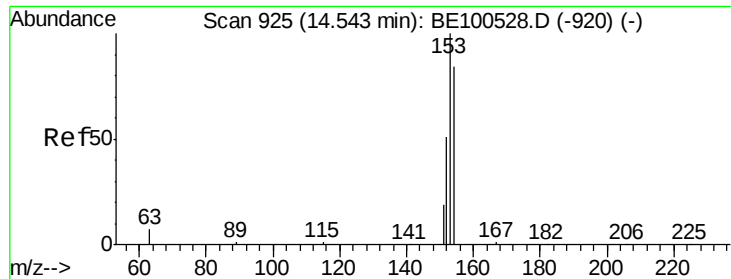


Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E

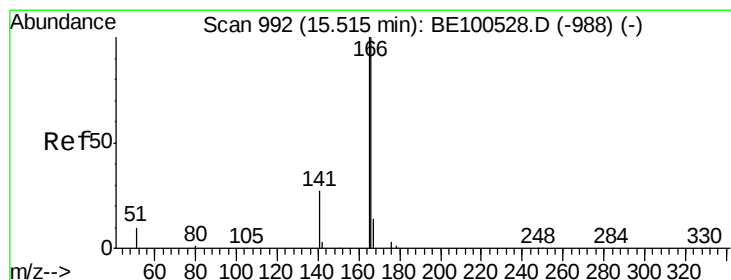
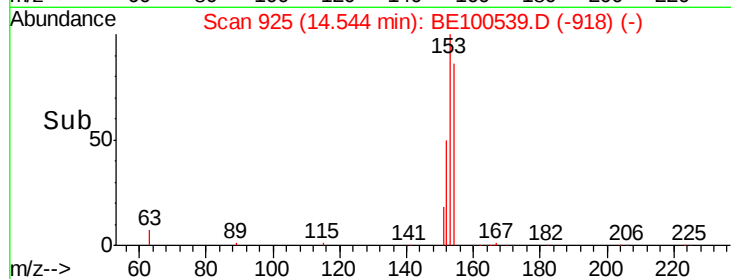
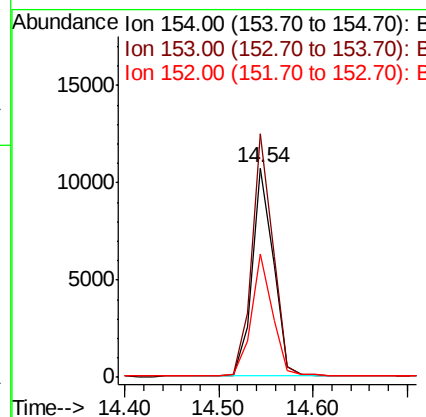
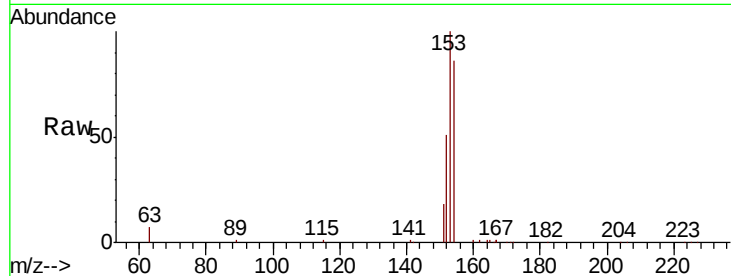




#17
Acenaphthene
Concen: 0.375 ng
RT: 14.54 min Scan# 925
Delta R.T. 0.00 min
Lab File: BE100539.D
Acq: 23 Sep 2019 14:36

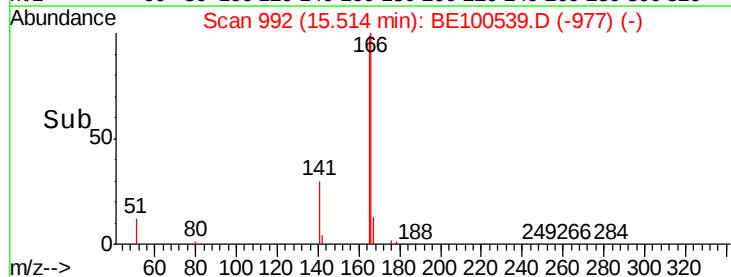
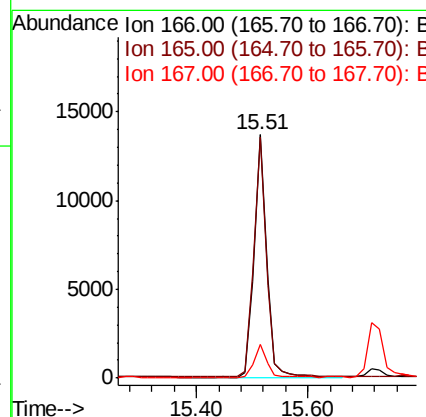
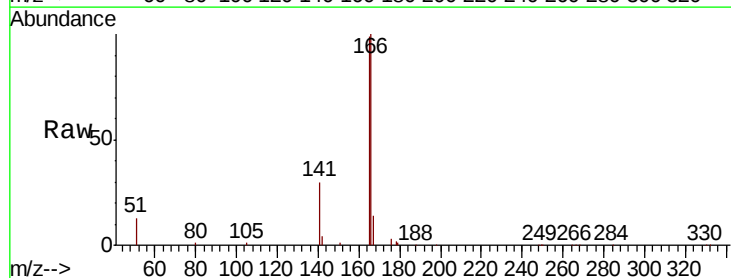
Instrument :
BNA_E
ClientSampleId :
PB123166BS

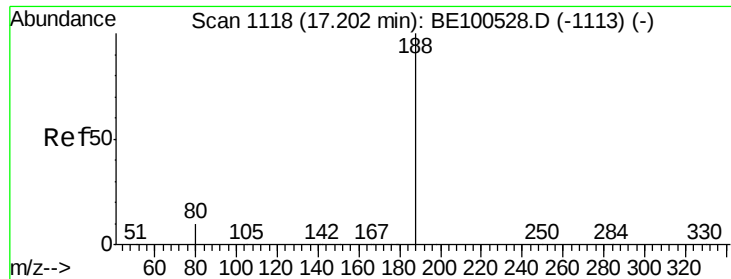
Tot Ion:154 Resp: 16894
Ion Ratio Lower Upper
154 100
153 116.1 93.7 140.5
152 58.4 47.3 70.9



#18
Fluorene
Concen: 0.379 ng
RT: 15.51 min Scan# 992
Delta R.T. -0.00 min
Lab File: BE100539.D
Acq: 23 Sep 2019 14:36

Tgt Ion:166 Resp: 21333
Ion Ratio Lower Upper
166 100
165 99.3 80.1 120.1
167 13.5 10.9 16.3





#19

Phenanthrene-d10

Concen: 0.400 ng

RT: 17.20 min Scan# 1118

Delta R.T. -0.00 min

Lab File: BE100539.D

Acq: 23 Sep 2019 14:36

Instrument :

BNA_E

ClientSampleId :

PB123166BS

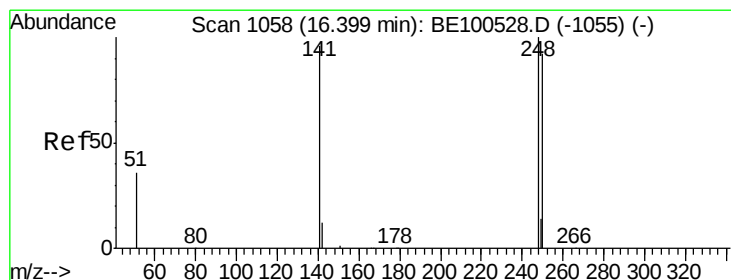
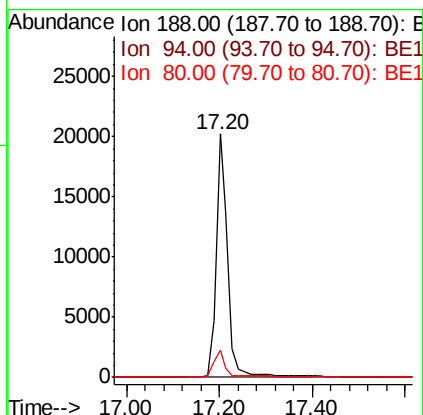
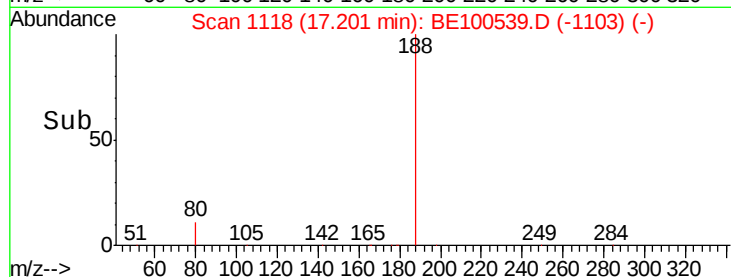
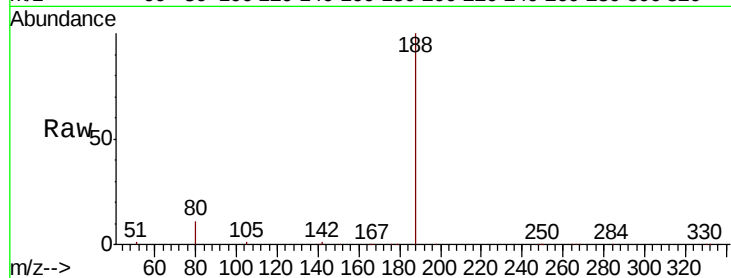
Tot Ion:188 Resp: 34979

Ion Ratio Lower Upper

188 100

94 0.0 0.0 0.0

80 11.3 8.0 12.0



#20

4-Bromophenyl-phenylether

Concen: 0.372 ng

RT: 16.41 min Scan# 1059

Delta R.T. 0.01 min

Lab File: BE100539.D

Acq: 23 Sep 2019 14:36

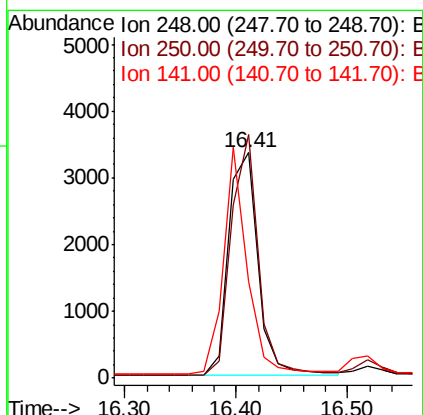
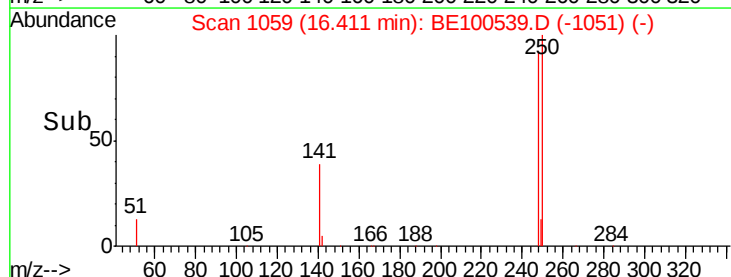
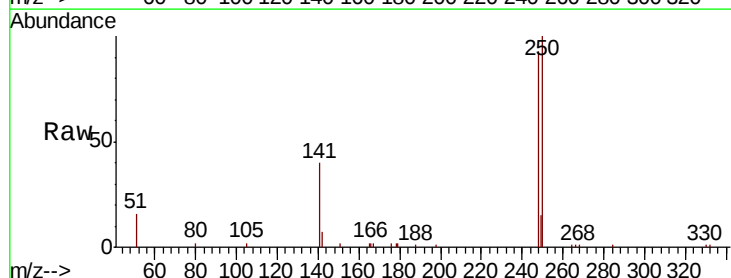
Tgt Ion:248 Resp: 6120

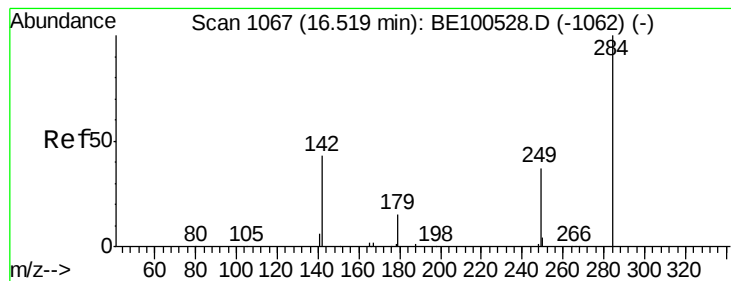
Ion Ratio Lower Upper

248 100

250 108.1 73.5 110.3

141 43.1 77.0 115.4#





#21

Hexachlorobenzene

Concen: 0.380 ng

RT: 16.52 min Scan# 1067

Delta R.T. -0.00 min

Lab File: BE100539.D

Acq: 23 Sep 2019 14:36

Instrument :

BNA_E

ClientSampleId :

PB123166BS

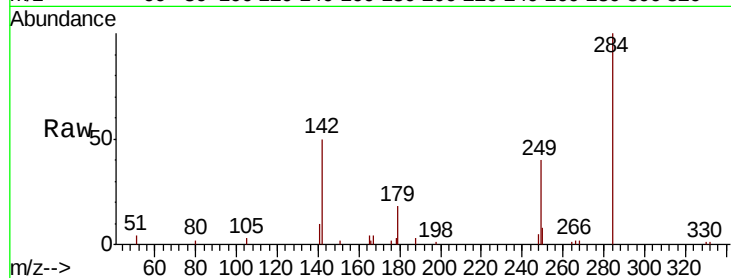
Tot Ion:284 Resp: 5449

Ion Ratio Lower Upper

284 100

142 48.2 39.0 58.6

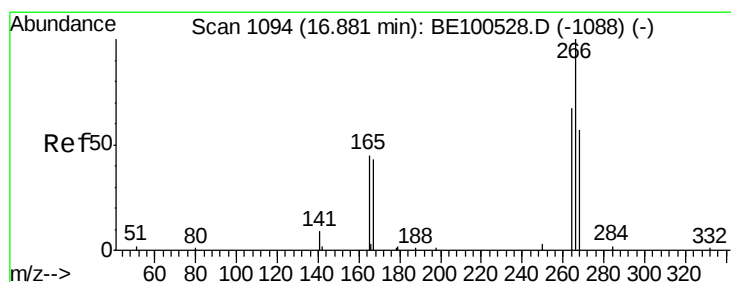
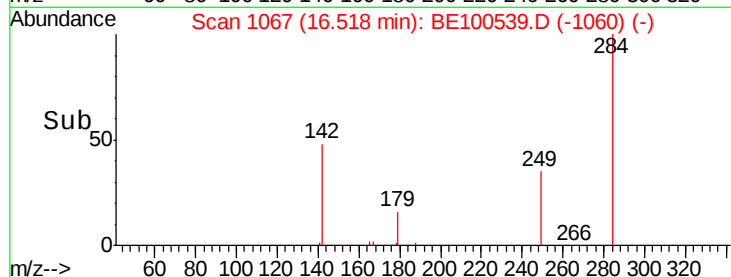
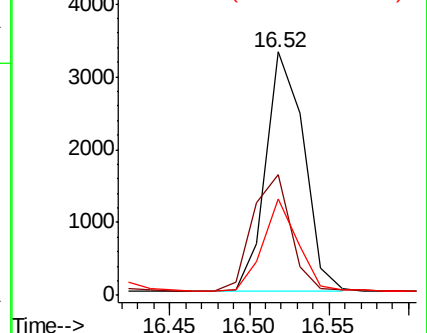
249 34.9 28.2 42.2



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: 0.410 ng

RT: 16.87 min Scan# 1093

Delta R.T. -0.01 min

Lab File: BE100539.D

Acq: 23 Sep 2019 14:36

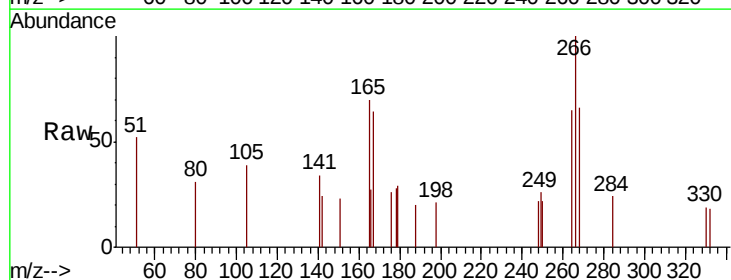
Tgt Ion:266 Resp: 802

Ion Ratio Lower Upper

266 100

264 65.4 57.6 86.4

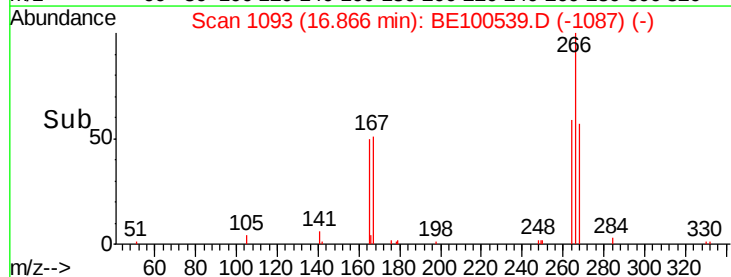
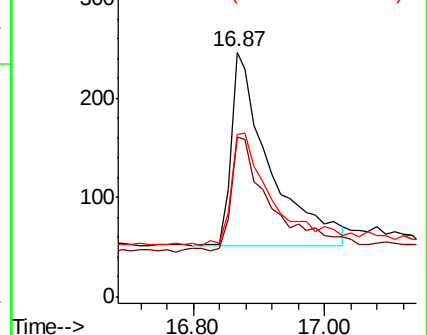
268 66.3 55.1 82.7

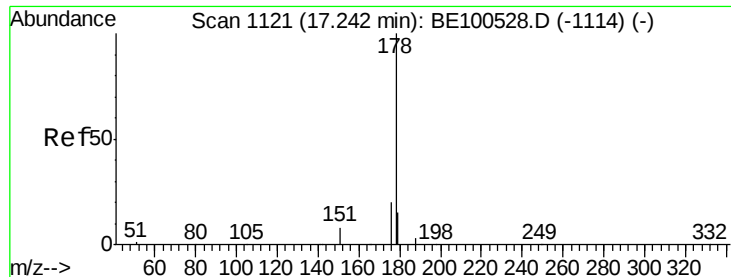


Abundance Ion 266.00 (265.70 to 266.70): E

Ion 264.00 (263.70 to 264.70): E

Ion 268.00 (267.70 to 268.70): E

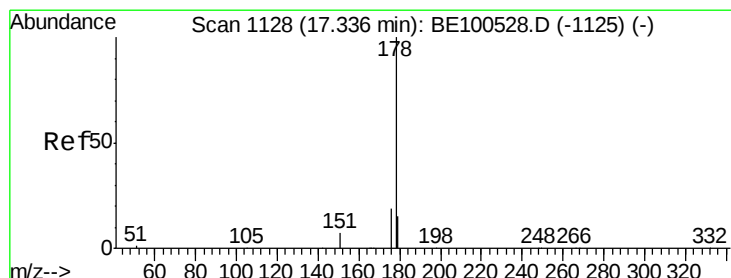
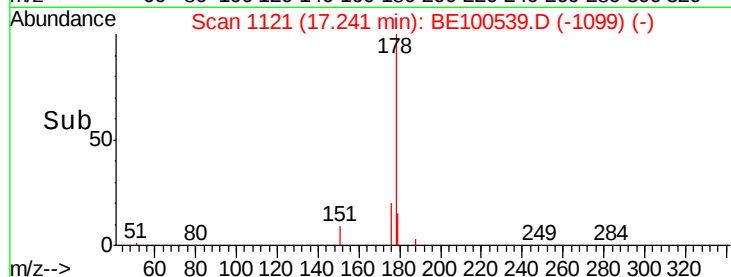
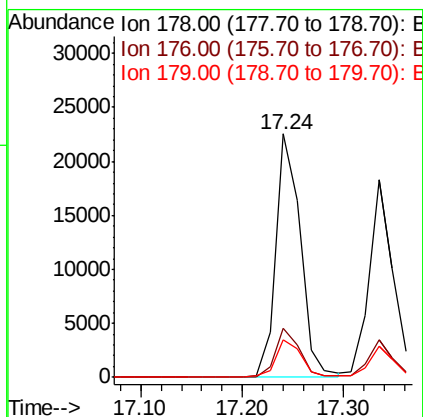
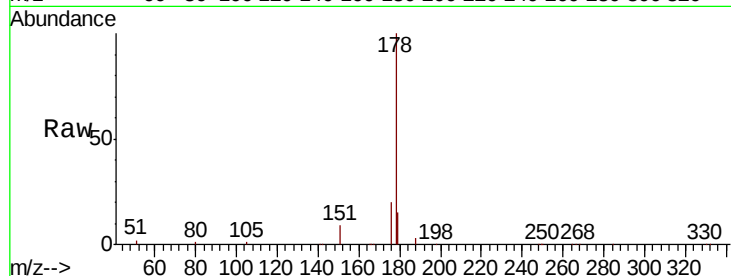




#23
Phenanthrene
Concen: 0.383 ng
RT: 17.24 min Scan# 1121
Delta R.T. -0.00 min
Lab File: BE100539.D
Acq: 23 Sep 2019 14:36

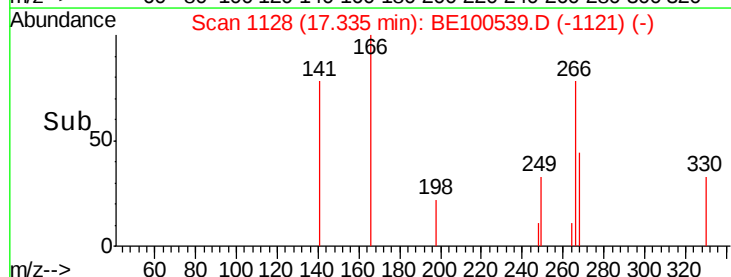
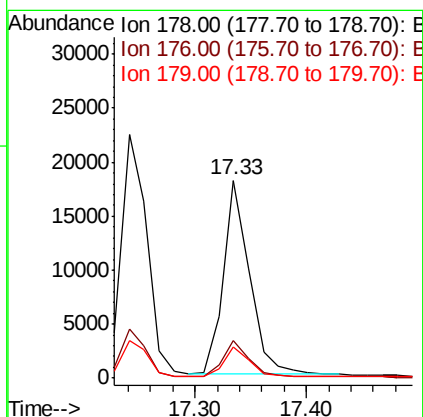
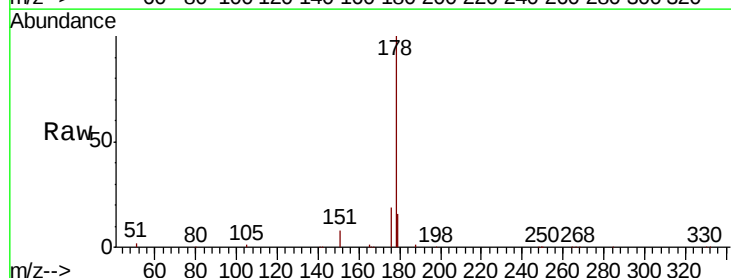
Instrument :
BNA_E
ClientSampleId :
PB123166BS

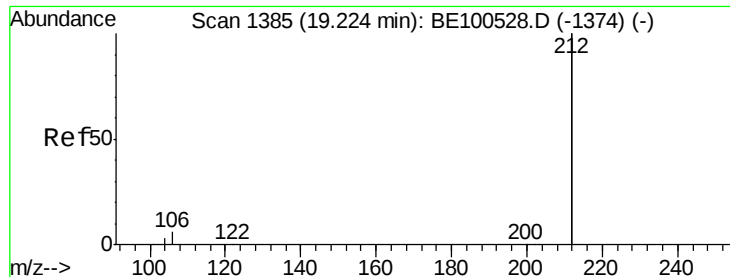
Tot Ion:178 Resp: 37374
Ion Ratio Lower Upper
178 100
176 19.3 15.4 23.2
179 15.6 12.6 18.8



#24
Anthracene
Concen: 0.358 ng
RT: 17.33 min Scan# 1128
Delta R.T. -0.00 min
Lab File: BE100539.D
Acq: 23 Sep 2019 14:36

Tgt Ion:178 Resp: 29392
Ion Ratio Lower Upper
178 100
176 18.7 15.2 22.8
179 15.3 12.2 18.4





#25

Fluoranthene-d10

Concen: 0.362 ng

RT: 19.22 min Scan# 1385

Delta R.T. 0.00 min

Lab File: BE100539.D

Acq: 23 Sep 2019 14:36

Instrument :

BNA_E

ClientSampleId :

PB123166BS

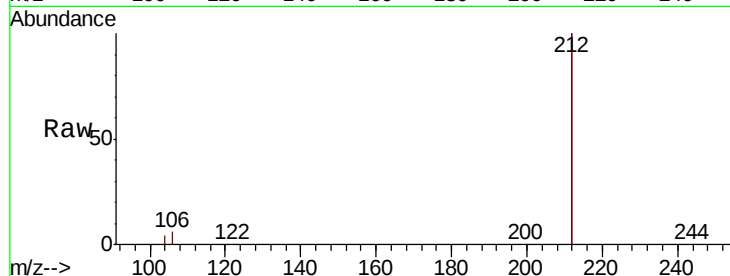
Tot Ion:212 Resp: 150457

Ion Ratio Lower Upper

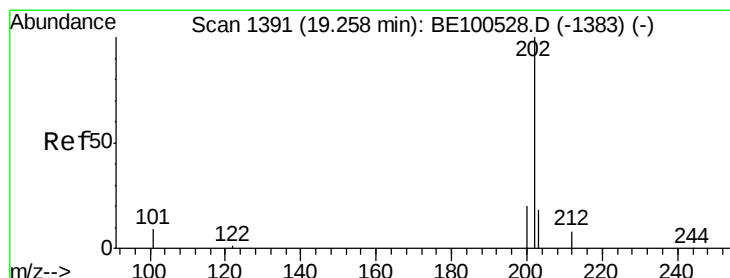
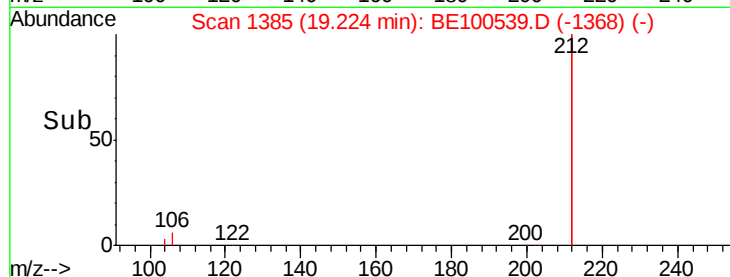
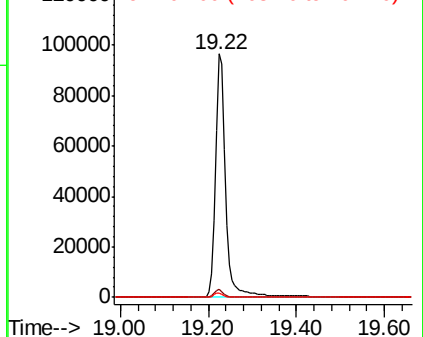
212 100

106 3.0 2.3 3.5

104 1.6 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: 0.361 ng

RT: 19.25 min Scan# 1390

Delta R.T. -0.01 min

Lab File: BE100539.D

Acq: 23 Sep 2019 14:36

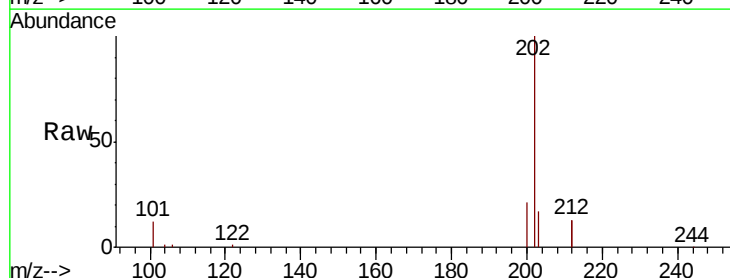
Tgt Ion:202 Resp: 42457

Ion Ratio Lower Upper

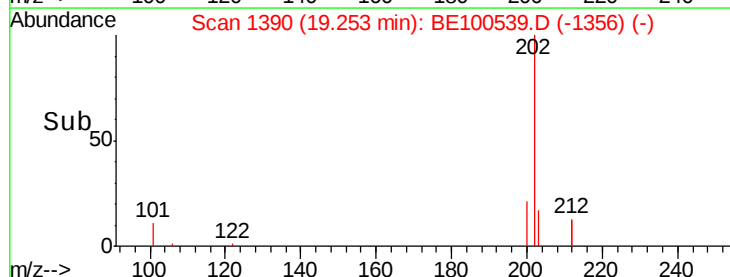
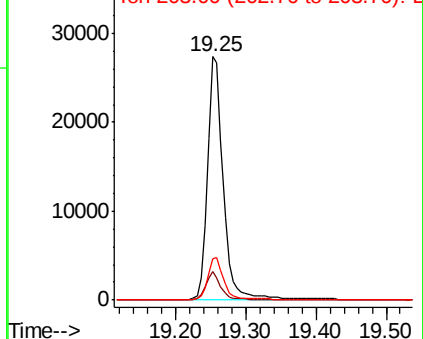
202 100

101 11.1 8.8 13.2

203 17.2 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

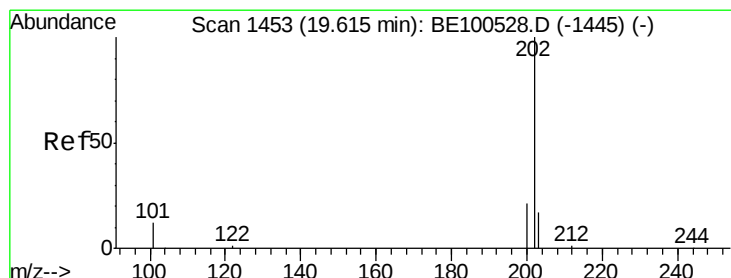
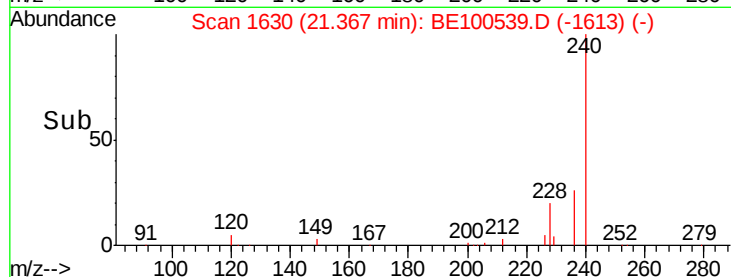
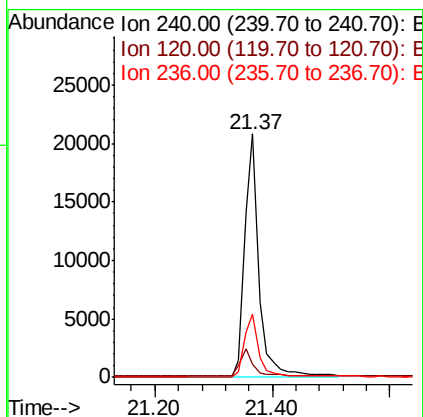
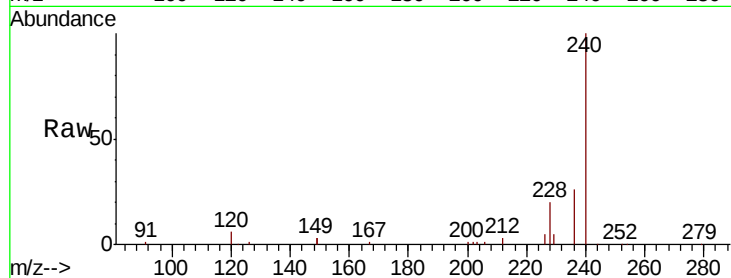




#27
Chrysene-d12
Concen: 0.400 ng
RT: 21.37 min Scan# 1630
Delta R.T. 0.00 min
Lab File: BE100539.D
Acq: 23 Sep 2019 14:36

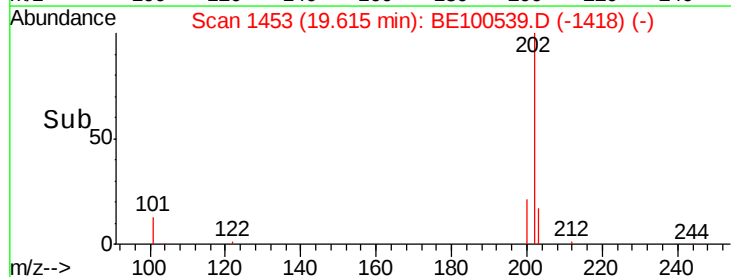
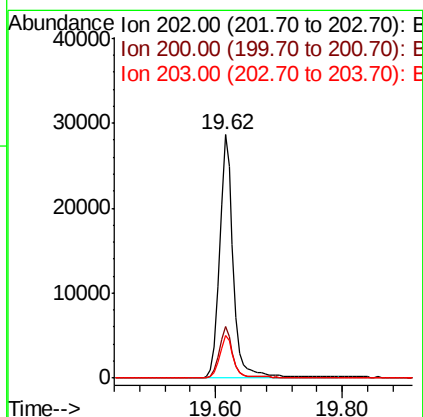
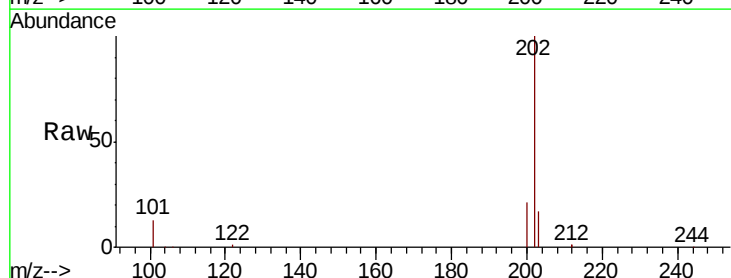
Instrument :
BNA_E
ClientSampleId :
PB123166BS

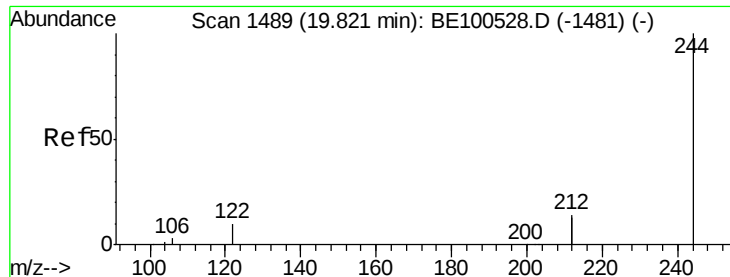
Tot Ion:240 Resp: 35200
Ion Ratio Lower Upper
240 100
120 5.6 4.5 6.7
236 26.1 20.6 30.8



#28
Pyrene
Concen: 0.417 ng
RT: 19.62 min Scan# 1453
Delta R.T. 0.00 min
Lab File: BE100539.D
Acq: 23 Sep 2019 14:36

Tgt Ion:202 Resp: 42252
Ion Ratio Lower Upper
202 100
200 20.7 16.6 25.0
203 17.6 14.0 21.0





#29

Terphenyl-d14

Concen: 0.410 ng

RT: 19.82 min Scan# 1489

Delta R.T. 0.00 min

Lab File: BE100539.D

Acq: 23 Sep 2019 14:36

Instrument :

BNA_E

ClientSampleId :

PB123166BS

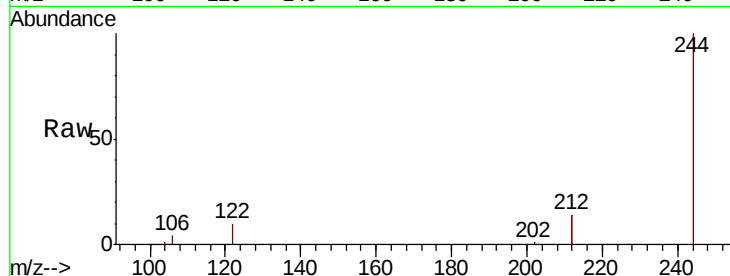
Tot Ion:244 Resp: 34218

Ion Ratio Lower Upper

244 100

212 28.2 22.2 33.2

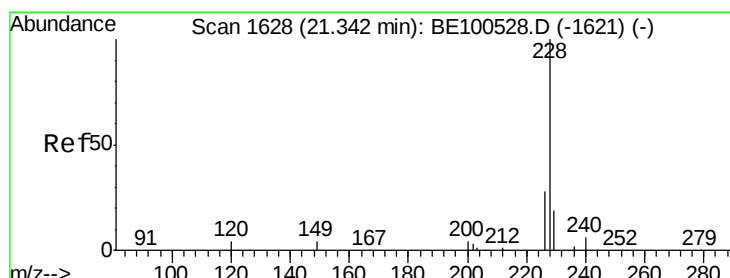
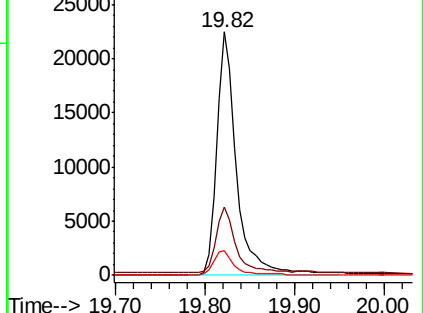
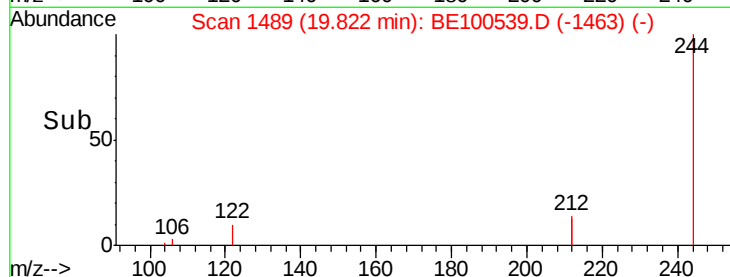
122 10.0 8.3 12.5



Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E



#30

Benzo(a)anthracene

Concen: 0.377 ng

RT: 21.34 min Scan# 1628

Delta R.T. 0.00 min

Lab File: BE100539.D

Acq: 23 Sep 2019 14:36

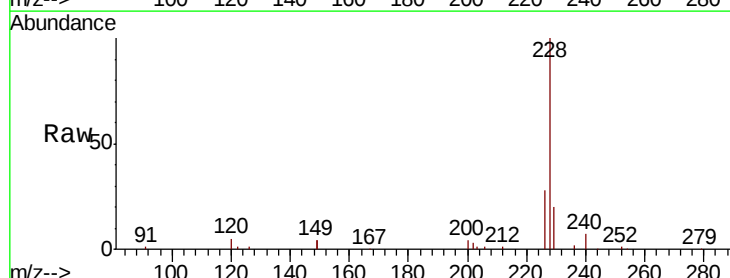
Tgt Ion:228 Resp: 35426

Ion Ratio Lower Upper

228 100

226 28.0 22.5 33.7

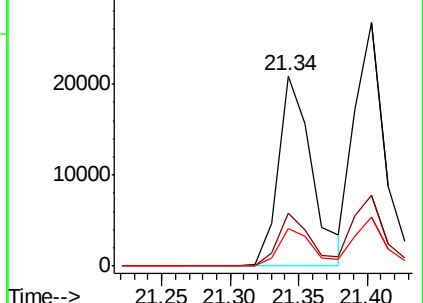
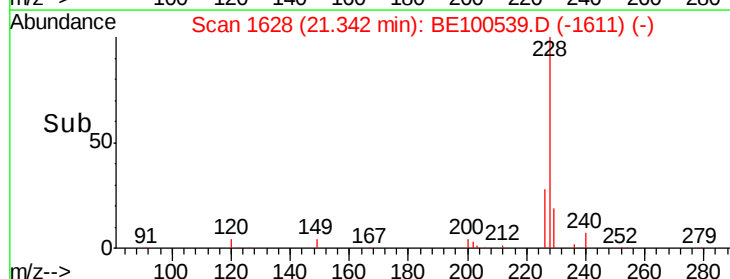
229 19.6 15.4 23.2

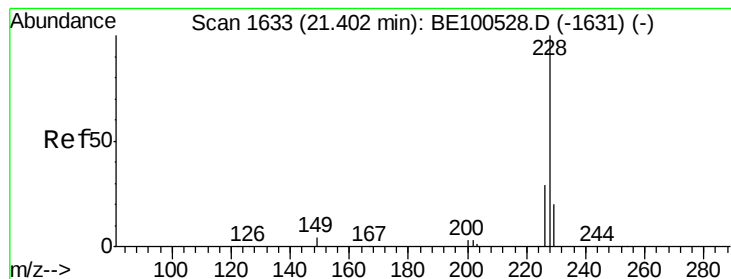


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#31

Chrysene

Concen: 0.379 ng

RT: 21.40 min Scan# 1633

Delta R.T. 0.00 min

Lab File: BE100539.D

Acq: 23 Sep 2019 14:36

Instrument :

BNA_E

ClientSampleId :

PB123166BS

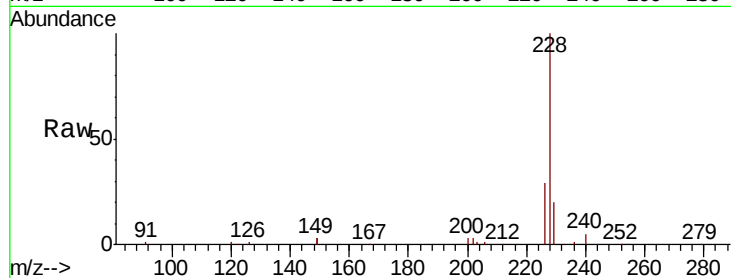
Tot Ion:228 Resp: 40605

Ion Ratio Lower Upper

228 100

226 29.3 23.3 34.9

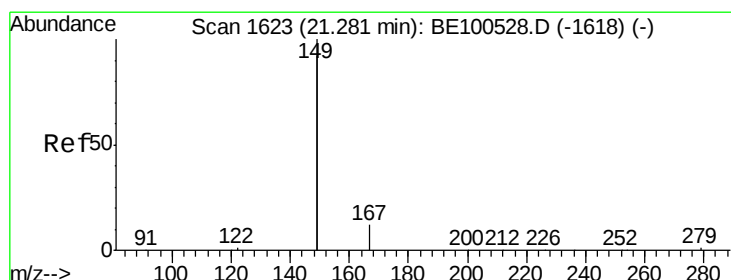
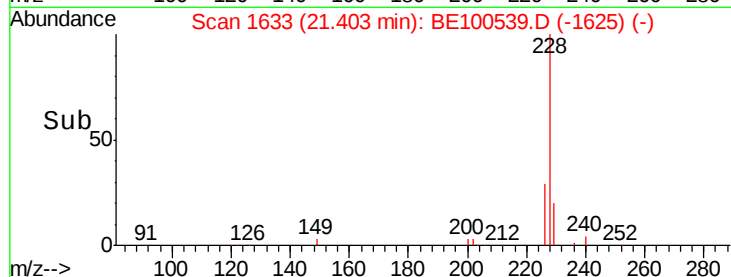
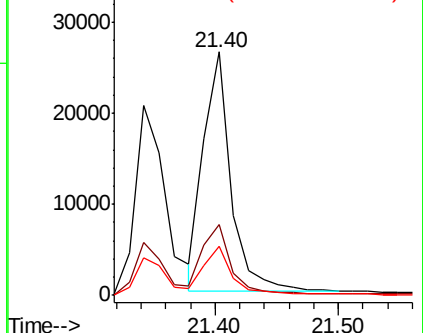
229 20.3 16.3 24.5



Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#32

Bis(2-ethylhexyl)phthalate

Concen: 0.336 ng

RT: 21.28 min Scan# 1623

Delta R.T. 0.00 min

Lab File: BE100539.D

Acq: 23 Sep 2019 14:36

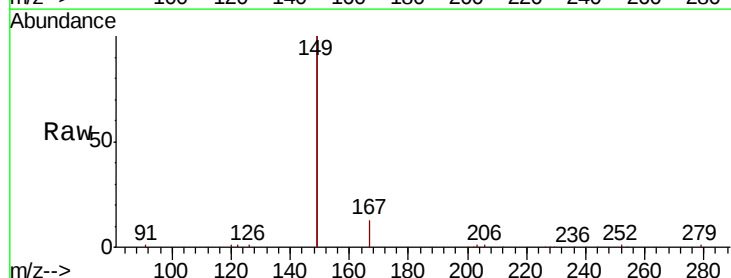
Tgt Ion:149 Resp: 34018

Ion Ratio Lower Upper

149 100

167 6.6 5.2 7.8

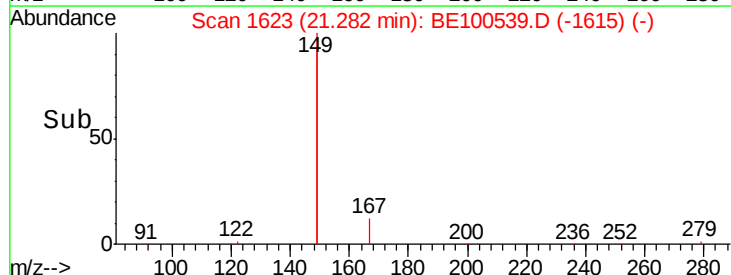
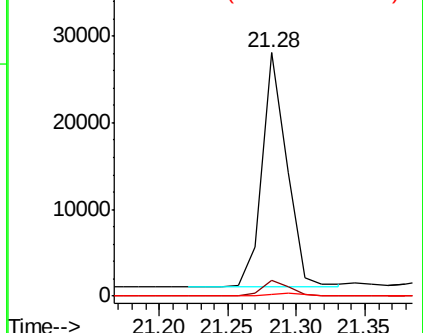
279 1.2 1.0 1.4

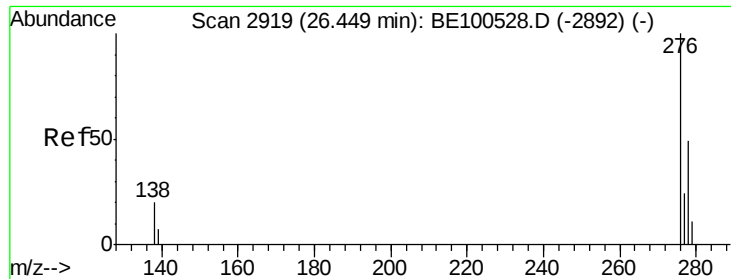


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E

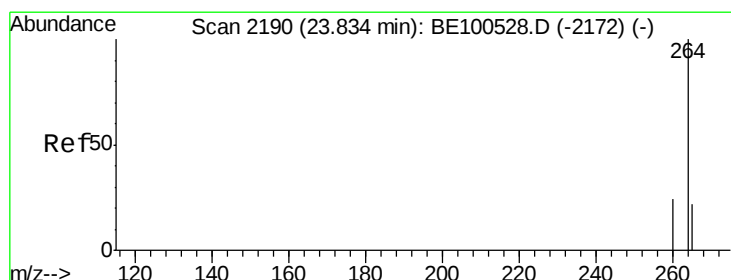
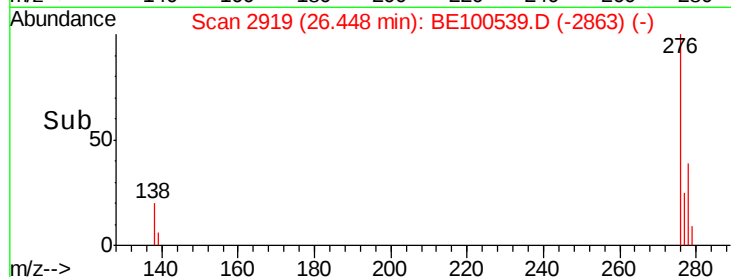
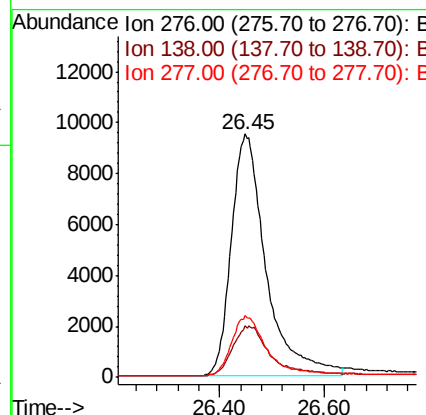
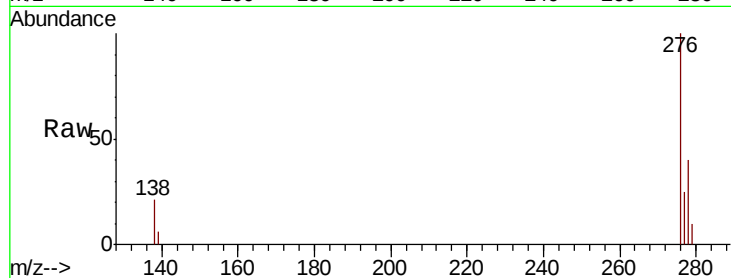




#33
 Indeno(1,2,3-cd)pyrene
 Concen: 0.369 ng
 RT: 26.45 min Scan# 2919
 Delta R.T. -0.00 min
 Lab File: BE100539.D
 Acq: 23 Sep 2019 14:36

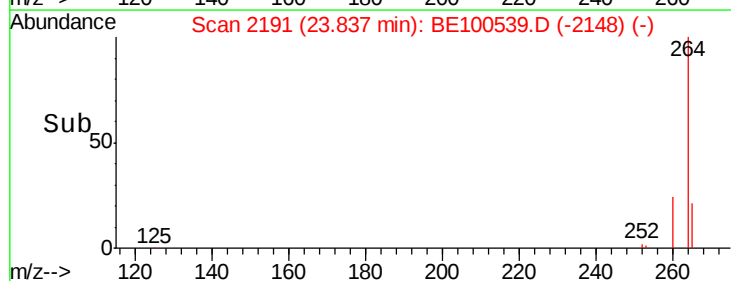
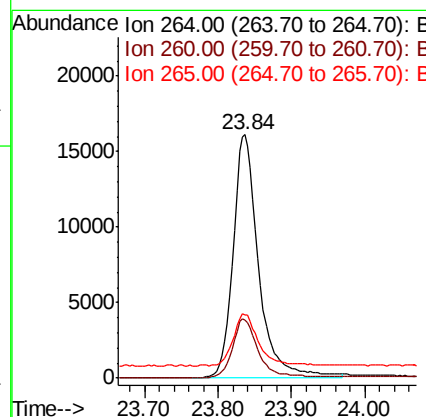
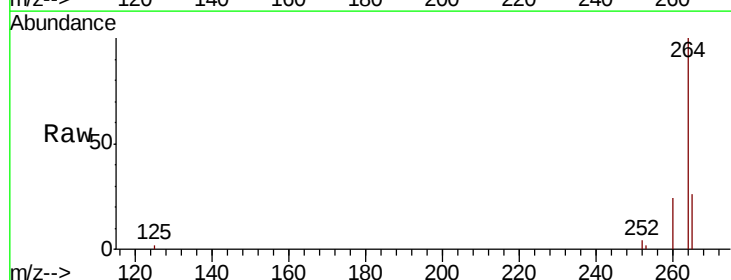
Instrument :
 BNA_E
 ClientSampleId :
 PB123166BS

Tot Ion:276 Resp: 43979
 Ion Ratio Lower Upper
 276 100
 138 21.6 17.7 26.5
 277 25.1 19.9 29.9



#34
 Perylene-d12
 Concen: 0.400 ng
 RT: 23.84 min Scan# 2191
 Delta R.T. 0.00 min
 Lab File: BE100539.D
 Acq: 23 Sep 2019 14:36

Tgt Ion:264 Resp: 38910
 Ion Ratio Lower Upper
 264 100
 260 23.8 19.6 29.4
 265 26.2 21.8 32.8

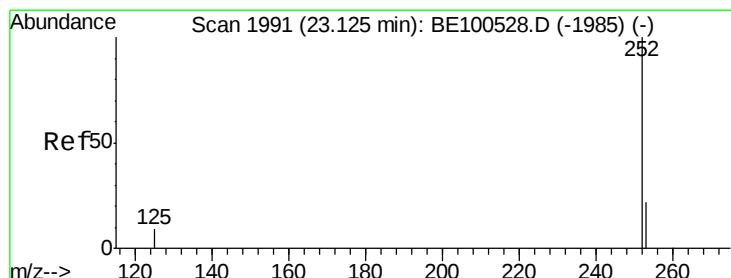
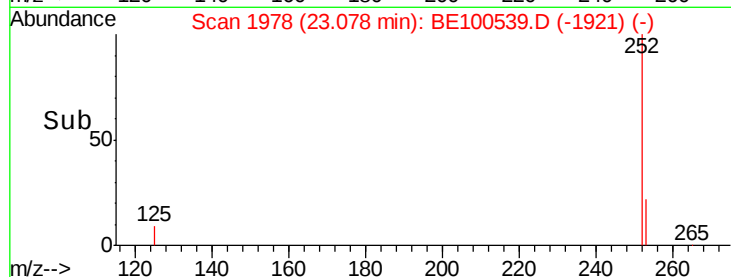
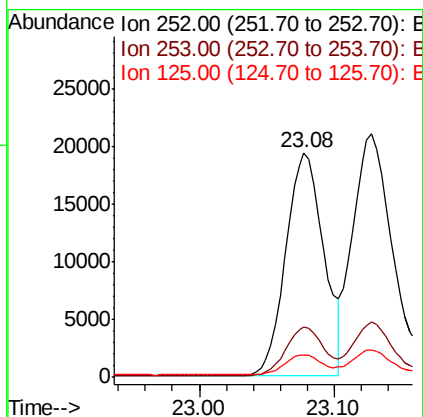
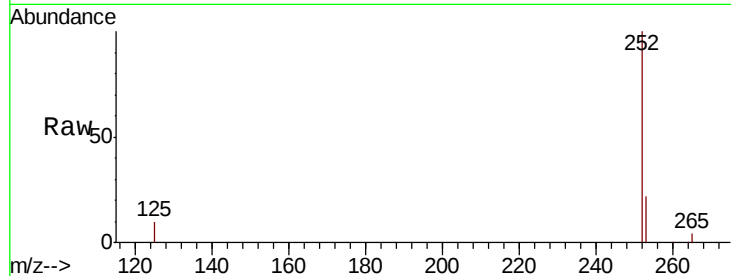




#35
Benzo(b)fluoranthene
Concen: 0.357 ng
RT: 23.08 min Scan# 1978
Delta R.T. 0.00 min
Lab File: BE100539.D
Acq: 23 Sep 2019 14:36

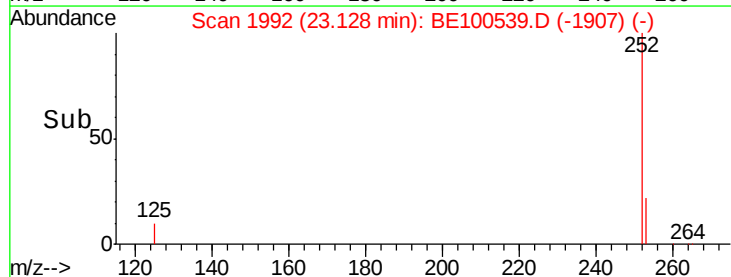
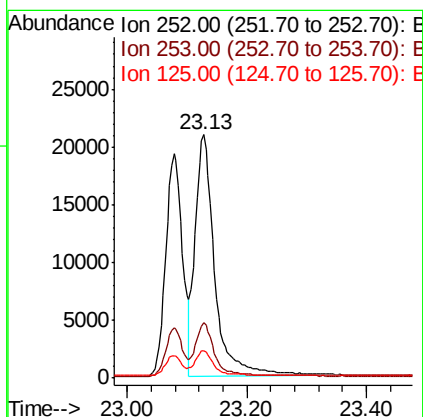
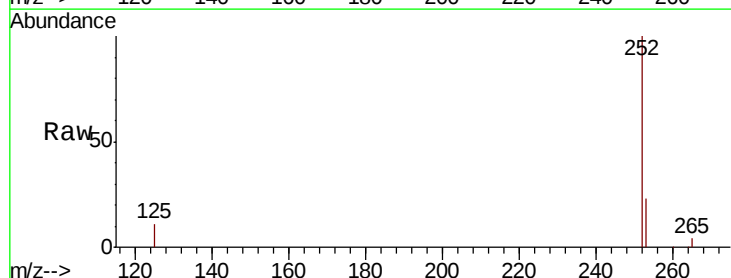
Instrument :
BNA_E
ClientSampleId :
PB123166BS

Tot Ion:252 Resp: 37560
Ion Ratio Lower Upper
252 100
253 22.3 18.1 27.1
125 10.1 8.0 12.0



#36
Benzo(k)fluoranthene
Concen: 0.388 ng
RT: 23.13 min Scan# 1992
Delta R.T. 0.00 min
Lab File: BE100539.D
Acq: 23 Sep 2019 14:36

Tgt Ion:252 Resp: 47220
Ion Ratio Lower Upper
252 100
253 22.8 17.9 26.9
125 11.2 8.5 12.7





#37

Benzo(a)pyrene

Concen: 0.353 ng

RT: 23.73 min Scan# 2160

Delta R.T. 0.00 min

Lab File: BE100539.D

Acq: 23 Sep 2019 14:36

Instrument :

BNA_E

ClientSampleId :

PB123166BS

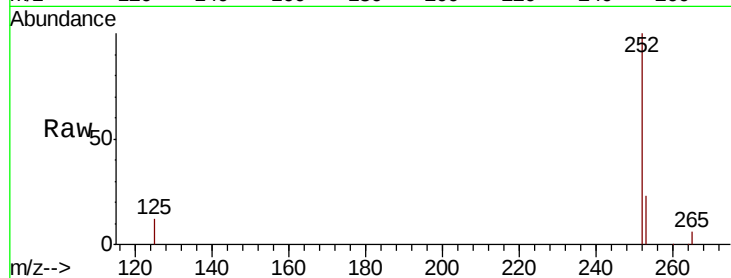
Tot Ion:252 Resp: 34664

Ion Ratio Lower Upper

252 100

253 22.7 18.1 27.1

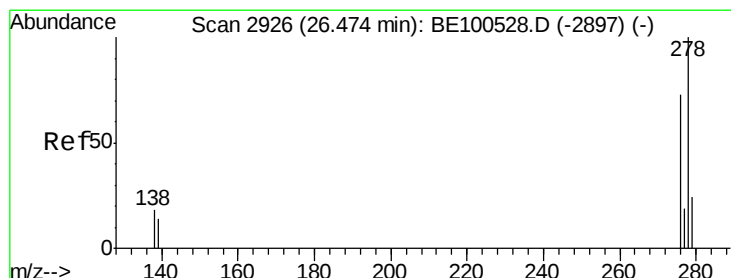
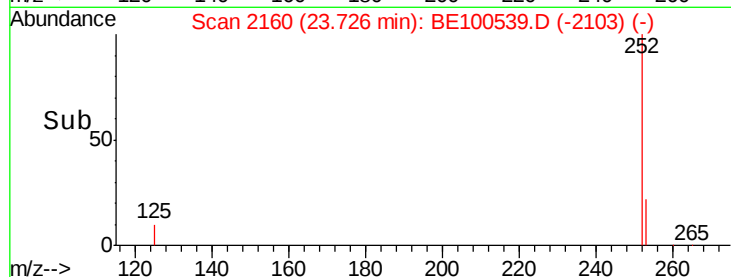
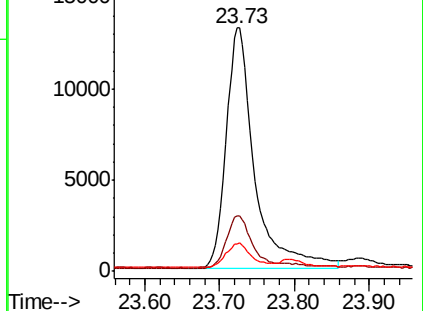
125 11.6 9.2 13.8



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: 0.354 ng

RT: 26.48 min Scan# 2927

Delta R.T. 0.00 min

Lab File: BE100539.D

Acq: 23 Sep 2019 14:36

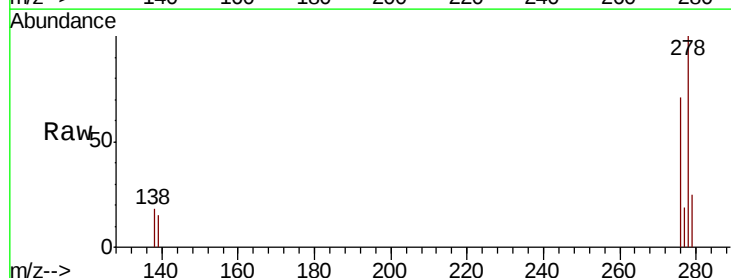
Tgt Ion:278 Resp: 36176

Ion Ratio Lower Upper

278 100

139 14.9 11.6 17.4

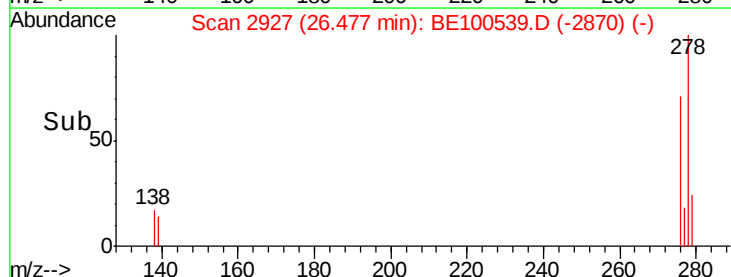
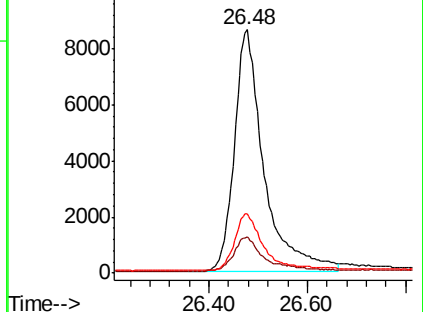
279 24.5 19.7 29.5

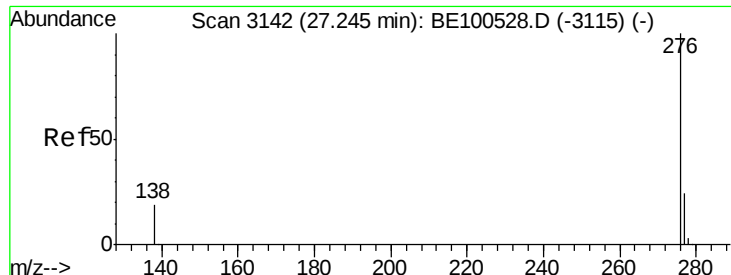


Abundance Ion 278.00 (277.70 to 278.70): E

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: 0.370 ng

RT: 27.25 min Scan# 3144

Delta R.T. 0.01 min

Lab File: BE100539.D

Acq: 23 Sep 2019 14:36

Instrument :

BNA_E

ClientSampleId :

PB123166BS

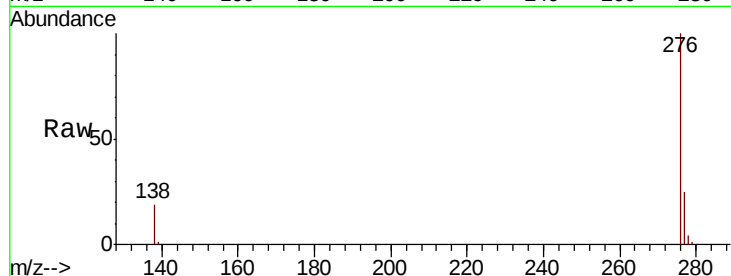
Tot Ion: 276 Resp: 39558

Ion Ratio Lower Upper

276 100

277 24.5 19.2 28.8

138 19.0 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

