

Data Path : Z:\SVOASRV\HPCHEM1\BNA_E\DATA\BE062019\
 Data File : BE100106.D
 Acq On : 20 Jun 2019 13:38
 Operator : JU/SJ
 Sample : PB120548BS
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 PB120548BS

Quant Time: Jun 21 01:44:05 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_E\METHODS\8270-SIM-BE061919.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Jun 19 15:07:24 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.73	152	372	0.40	ng	0.00
7) Naphthalene-d8	10.54	136	1456	0.40	ng	0.00
13) Acenaphthene-d10	14.41	164	1259	0.40	ng	0.00
19) Phenanthrene-d10	17.16	188	4251	0.40	ng	0.00
27) Chrysene-d12	21.34	240	7324	0.40	ng	0.00
34) Perylene-d12	23.84	264	8189	0.40	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Fluorophenol	5.29	112	193	0.25	ng	-0.01
5) Phenol-d6	6.96	99	350	0.33	ng	0.04
8) Nitrobenzene-d5	8.93	82	472	0.33	ng	0.01
11) 2-Methylnaphthalene-d10	12.17	152	1159	0.42	ng	0.01
14) 2,4,6-Tribromophenol	15.92	330	274	0.39	ng	0.00
15) 2-Fluorobiphenyl	13.06	172	2053	0.41	ng	0.01
25) Fluoranthene-d10	19.20	212	25414	0.42	ng	0.00
29) Terphenyl-d14	19.80	244	5033	0.34	ng	0.00

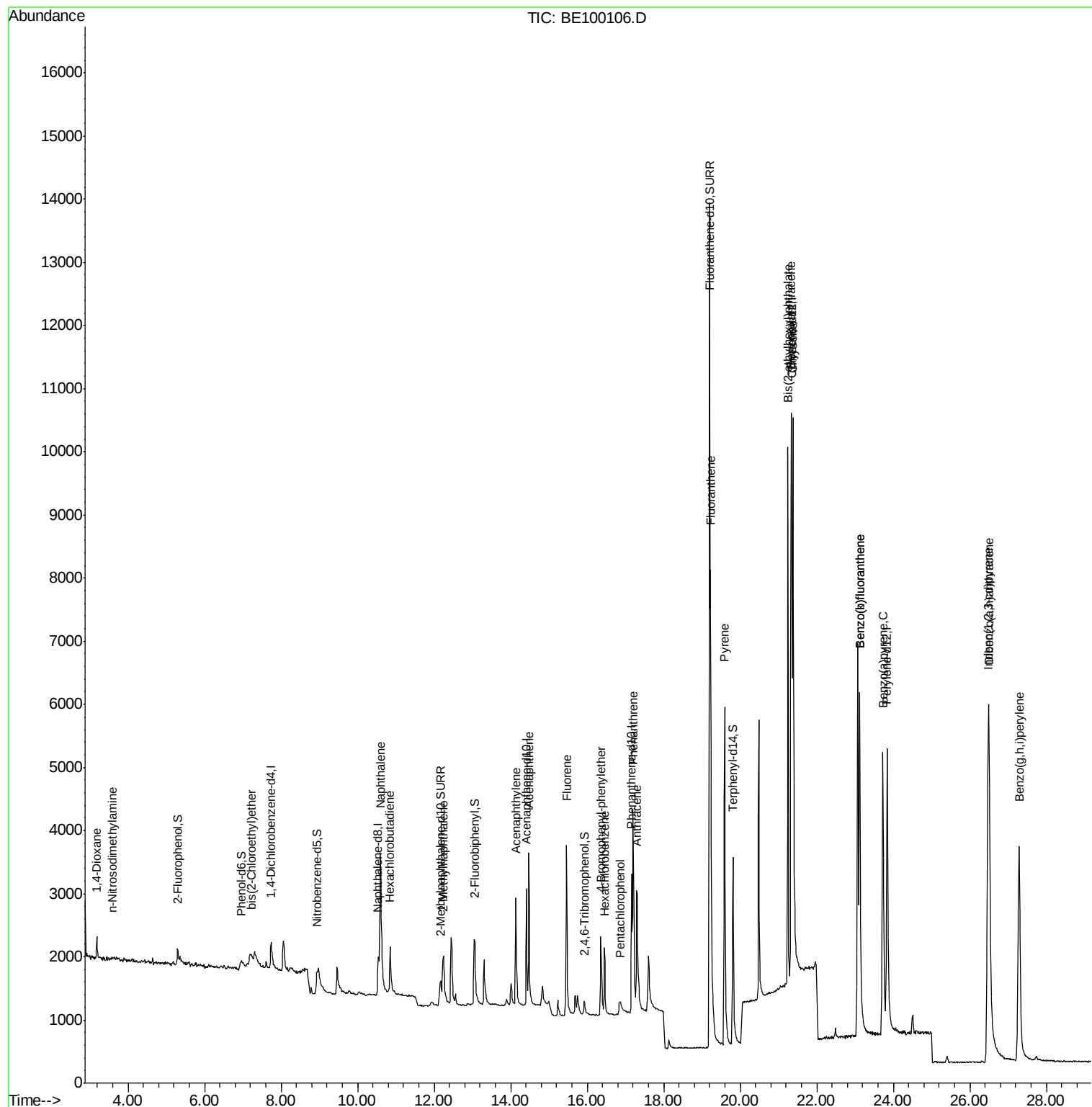
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) 1,4-Dioxane	3.19	88	292	0.489	ng	89
3) n-Nitrosodimethylamine	3.58	42	47	0.461	ng	# 100
6) bis(2-Chloroethyl)ether	7.22	93	344	0.348	ng	# 50
9) Naphthalene	10.59	128	6556	0.414	ng	# 97
10) Hexachlorobutadiene	10.85	225	630	0.405	ng	97
12) 2-Methylnaphthalene	12.24	142	1066	0.410	ng	96
16) Acenaphthylene	14.14	152	2669	0.447	ng	98
17) Acenaphthene	14.47	154	1412	0.423	ng	95
18) Fluorene	15.46	166	2251	0.452	ng	99
20) 4-Bromophenyl-phenylether	16.36	248	1041	0.412	ng	99
21) Hexachlorobenzene	16.46	284	1085	0.389	ng	96
22) Pentachlorophenol	16.85	266	430	0.717	ng	86
23) Phenanthrene	17.20	178	4280	0.420	ng	98
24) Anthracene	17.29	178	3264	0.380	ng	98
26) Fluoranthene	19.22	202	7225	0.442	ng	100
28) Pyrene	19.59	202	7308	0.388	ng	100
30) Benzo(a)anthracene	21.33	228	8018	0.368	ng	99
31) Chrysene	21.38	228	10172	0.402	ng	99
32) Bis(2-ethylhexyl)phthalate	21.25	149	9934	0.483	ng	100
33) Indeno(1,2,3-cd)pyrene	26.48	276	12177	0.427	ng	100
35) Benzo(b)fluoranthene	23.12	252	10584	0.440	ng	97
36) Benzo(k)fluoranthene	23.12	252	10997	0.402	ng	98
37) Benzo(a)pyrene	23.72	252	9656	0.416	ng	# 95
38) Dibenzo(a,h)anthracene	26.50	278	9605	0.404	ng	100
39) Benzo(g,h,i)perylene	27.29	276	10204	0.413	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: 7.73 min Scan# 423

Delta R.T. 0.00 min

Lab File: BE100106.D

Acq: 20 Jun 2019 13:38

Instrument :

BNA_E

ClientSampleId :

PB120548BS

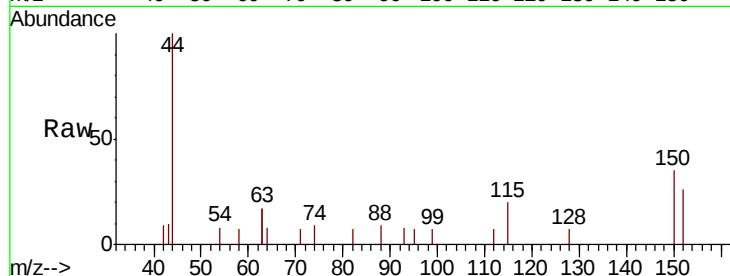
Tgt Ion:152 Resp: 372

Ion Ratio Lower Upper

152 100

150 133.5 99.8 149.8

115 77.1 51.3 76.9#

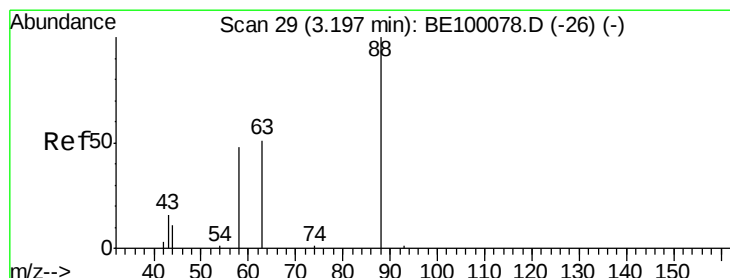
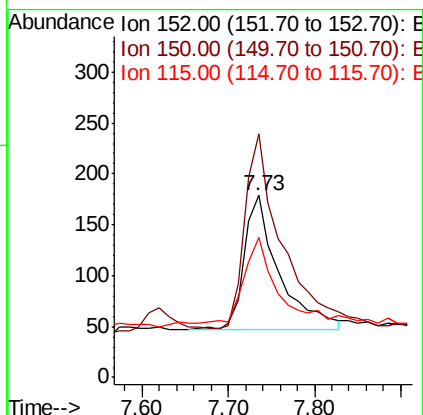
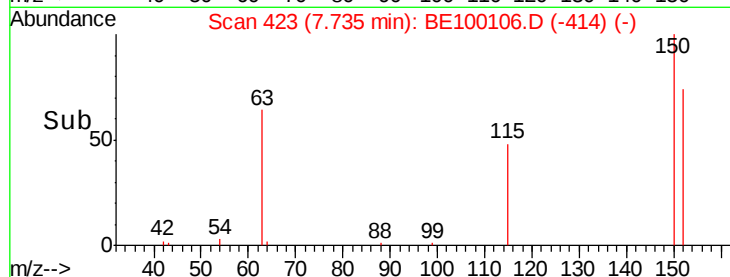


Abundance Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 115.00 (114.70 to 115.70): E

Time-->



#2

1,4-Dioxane

Concen: 0.489 ng

RT: 3.19 min Scan# 28

Delta R.T. -0.01 min

Lab File: BE100106.D

Acq: 20 Jun 2019 13:38

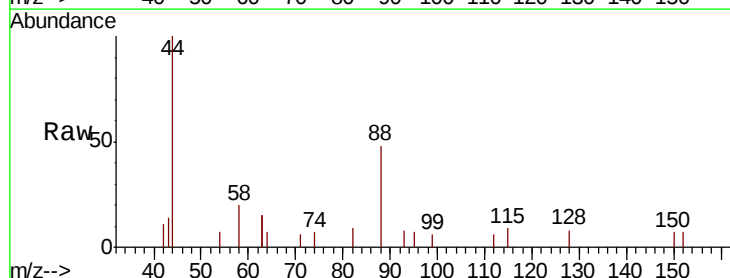
Tgt Ion: 88 Resp: 292

Ion Ratio Lower Upper

88 100

58 51.7 51.1 76.7

43 26.4 21.7 32.5

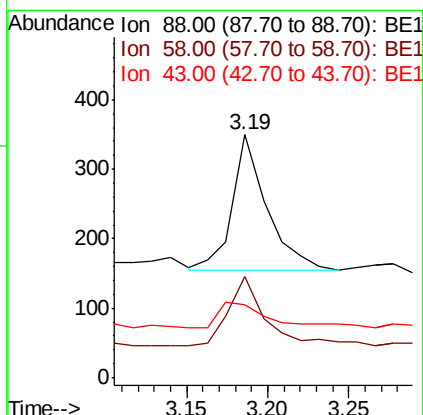
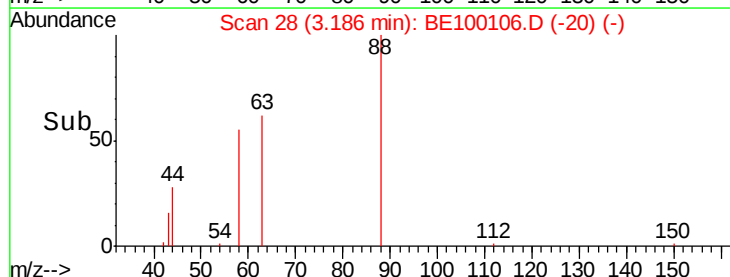


Abundance Ion 88.00 (87.70 to 88.70): BE1

Ion 58.00 (57.70 to 58.70): BE1

Ion 43.00 (42.70 to 43.70): BE1

Time-->





#3

n-Nitrosodimethylamine

Concen: 0.461 ng

RT: 3.58 min Scan# 62

Delta R.T. -0.02 min

Lab File: BE100106.D

Acq: 20 Jun 2019 13:38

Instrument :

BNA_E

ClientSampleId :

PB120548BS

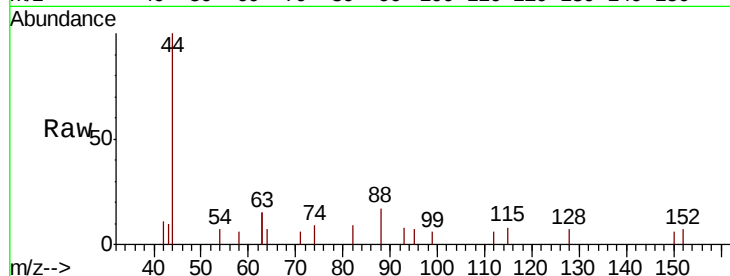
Tgt Ion: 42 Resp: 47

Ion Ratio Lower Upper

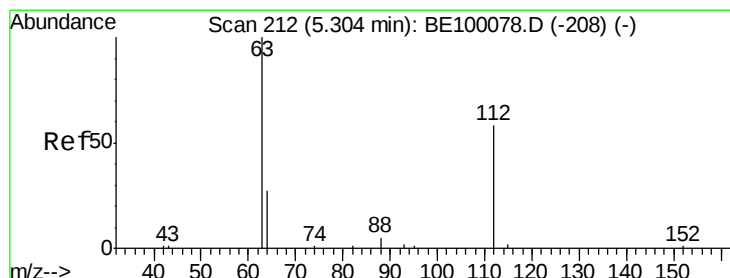
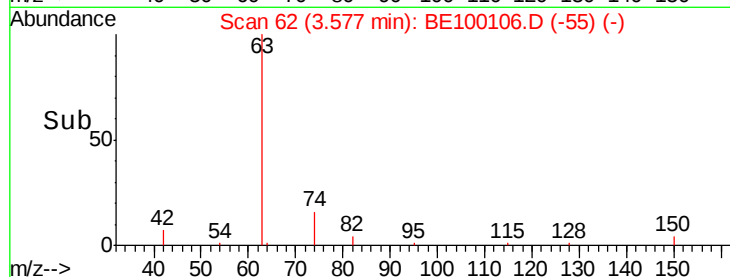
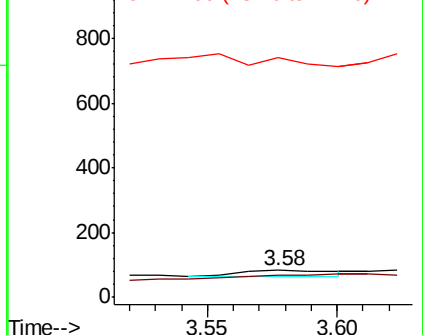
42 100

74 0.0 0.0 0.0

44 0.0 0.0 0.0



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



#4

2-Fluorophenol

Concen: 0.250 ng

RT: 5.29 min Scan# 211

Delta R.T. -0.01 min

Lab File: BE100106.D

Acq: 20 Jun 2019 13:38

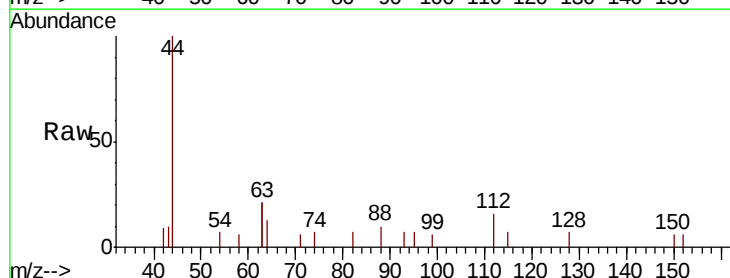
Tgt Ion: 112 Resp: 193

Ion Ratio Lower Upper

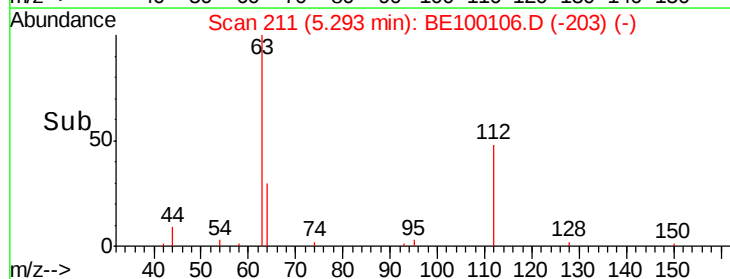
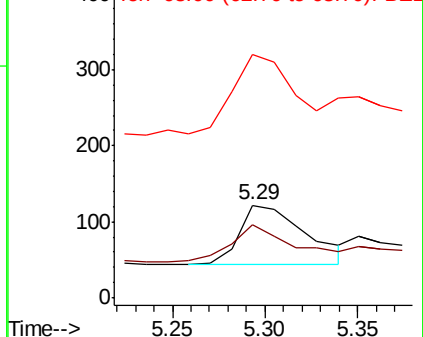
112 100

64 59.6 22.0 33.0#

63 129.5 121.8 182.6



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





#5

Phenol-d6

Concen: 0.330 ng

RT: 6.96 min Scan# 356

Delta R.T. 0.04 min

Lab File: BE100106.D

Acq: 20 Jun 2019 13:38

Instrument :

BNA_E

ClientSampleId :

PB120548BS

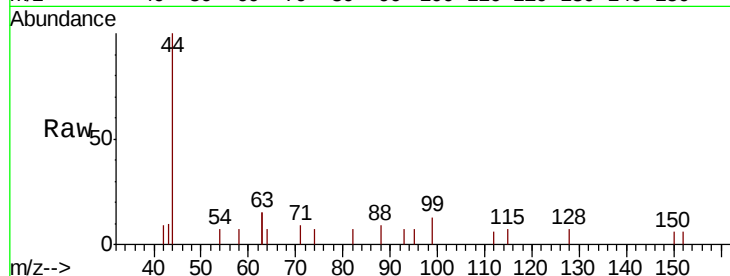
Tgt Ion: 99 Resp: 350

Ion Ratio Lower Upper

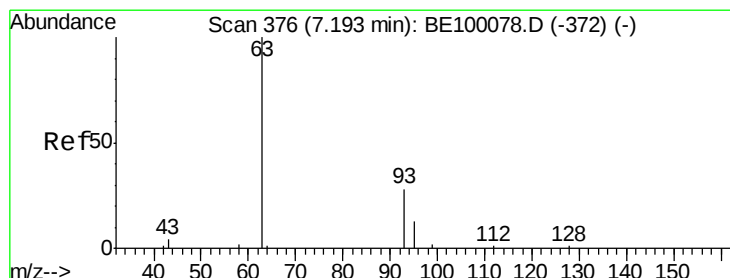
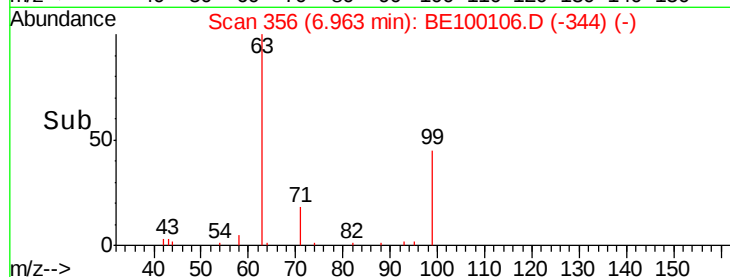
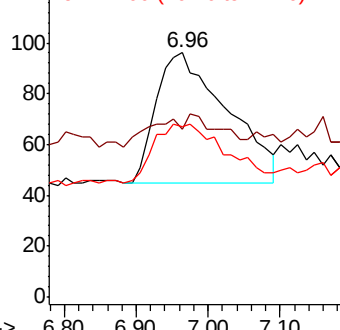
99 100

42 16.0 0.0 0.0#

71 0.0 37.6 56.4#



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



#6

bis(2-Chloroethyl)ether

Concen: 0.348 ng

RT: 7.22 min Scan# 378

Delta R.T. 0.02 min

Lab File: BE100106.D

Acq: 20 Jun 2019 13:38

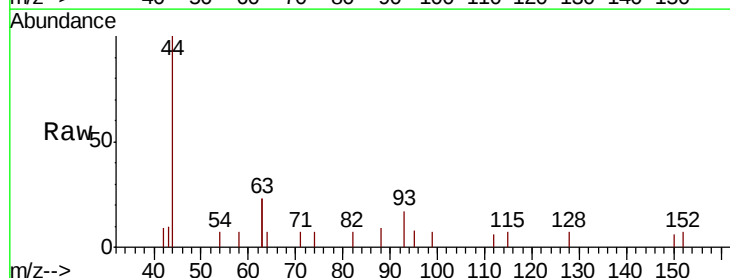
Tgt Ion: 93 Resp: 344

Ion Ratio Lower Upper

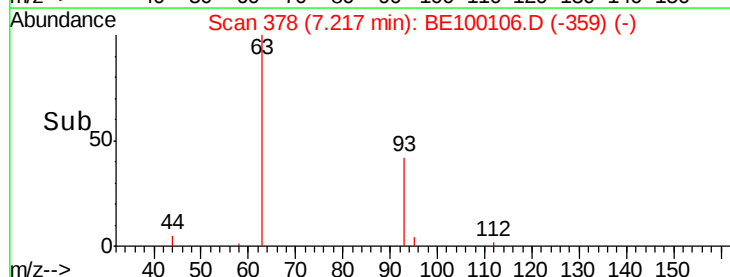
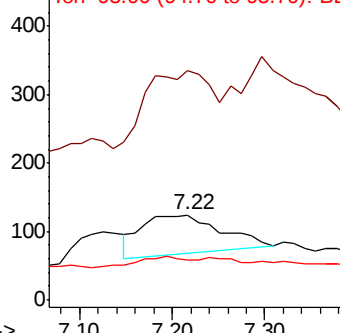
93 100

63 163.1 200.0 300.0#

95 0.0 24.0 36.0#



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





#7

Naphthalene-d8

Concen: 0.400 ng

RT: 10.54 min Scan# 644

Delta R.T. 0.00 min

Lab File: BE100106.D

Acq: 20 Jun 2019 13:38

Instrument :

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ClientSampleId :

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Tgt Ion:136 Resp: 1456

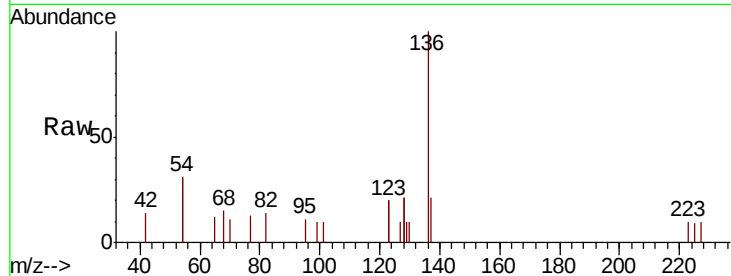
Ion Ratio Lower Upper

136 100

137 20.9 11.6 17.4#

54 61.4 33.9 50.9#

68 15.0 7.8 11.8#

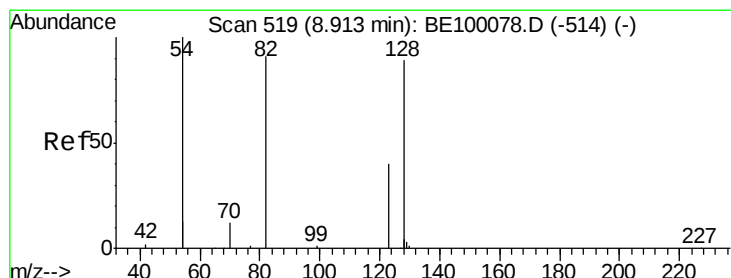
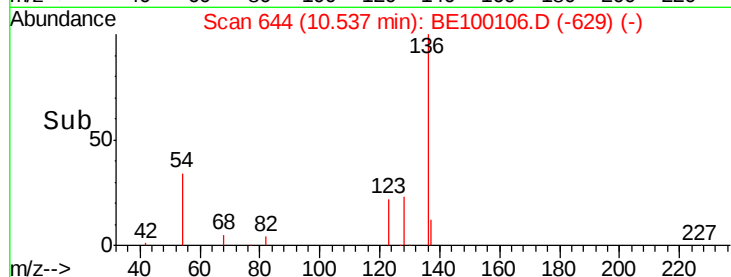
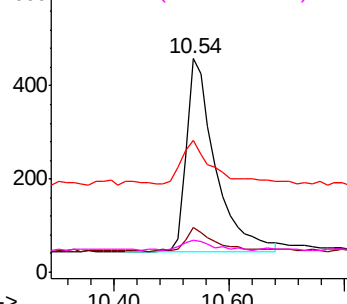


Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BE1

Ion 68.00 (67.70 to 68.70): BE1



#8

Nitrobenzene-d5

Concen: 0.334 ng

RT: 8.93 min Scan# 520

Delta R.T. 0.01 min

Lab File: BE100106.D

Acq: 20 Jun 2019 13:38

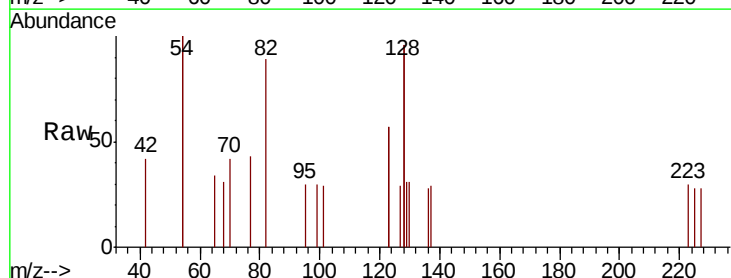
Tgt Ion: 82 Resp: 472

Ion Ratio Lower Upper

82 100

128 215.6 128.0 192.0#

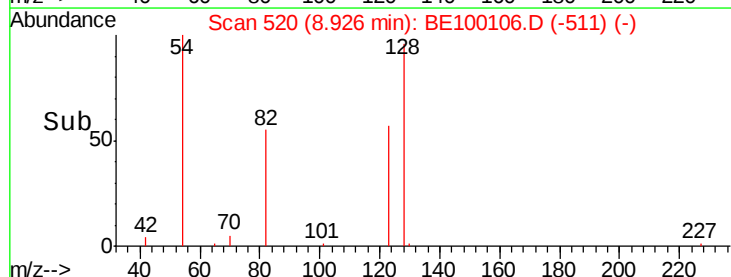
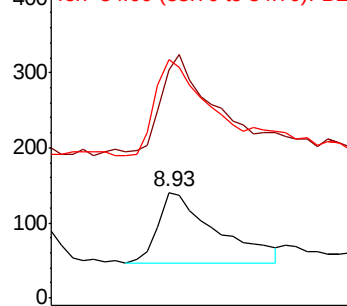
54 225.5 143.4 215.0#

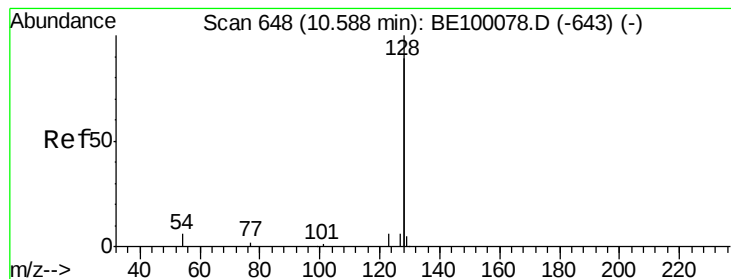


Abundance Ion 82.00 (81.70 to 82.70): BE1

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BE1





#9

Naphthalene

Concen: 0.414 ng

RT: 10.59 min Scan# 648

Delta R.T. 0.00 min

Lab File: BE100106.D

Acq: 20 Jun 2019 13:38

Instrument :

BNA_E

ClientSampleId :

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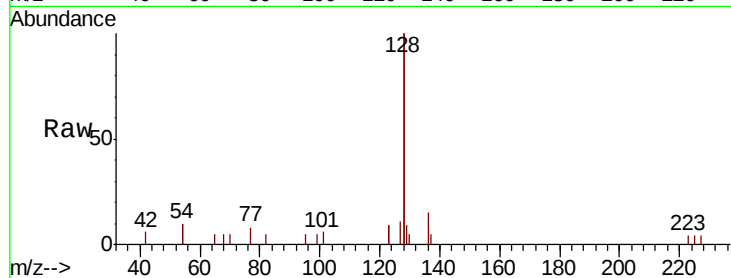
Tgt Ion:128 Resp: 6556

Ion Ratio Lower Upper

128 100

129 4.7 3.1 4.7#

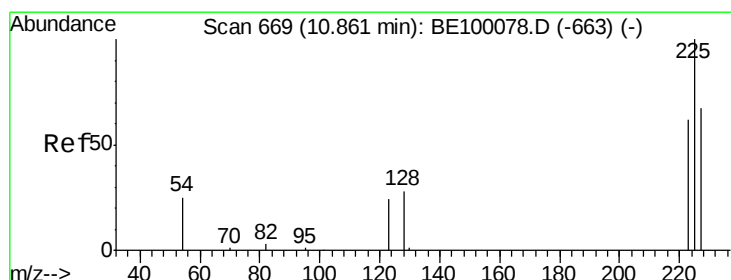
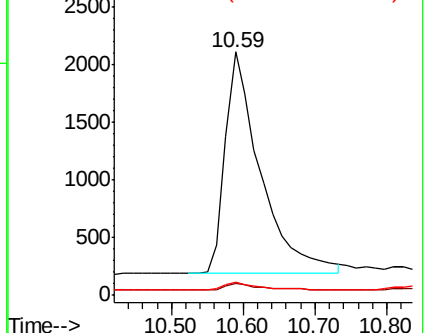
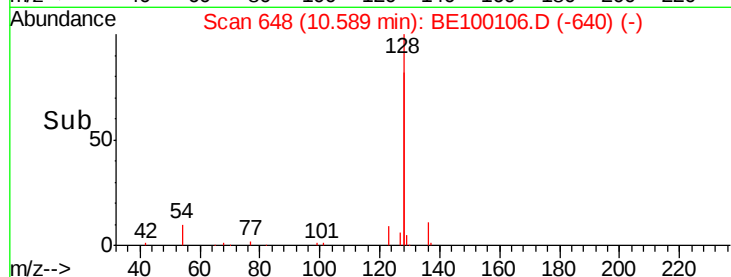
127 5.3 3.4 5.2#



Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E



#10

Hexachlorobutadiene

Concen: 0.405 ng

RT: 10.85 min Scan# 668

Delta R.T. -0.01 min

Lab File: BE100106.D

Acq: 20 Jun 2019 13:38

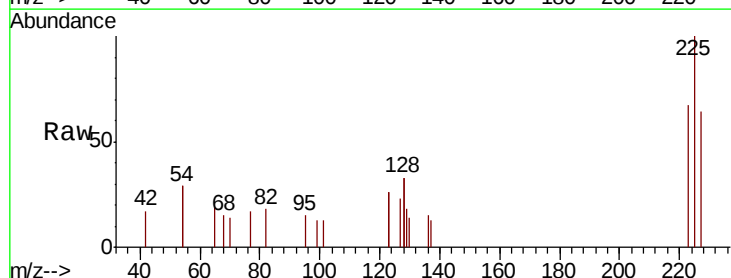
Tgt Ion:225 Resp: 630

Ion Ratio Lower Upper

225 100

223 65.1 52.2 78.4

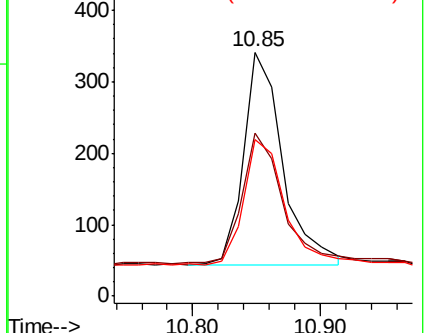
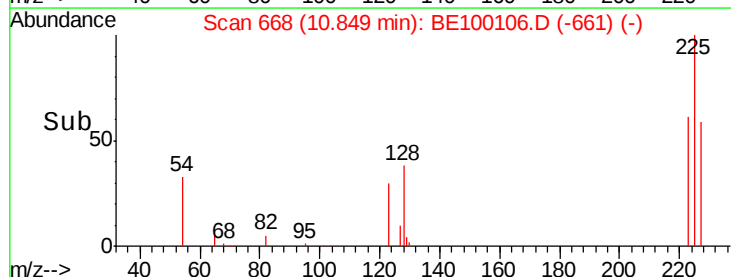
227 61.7 53.0 79.6

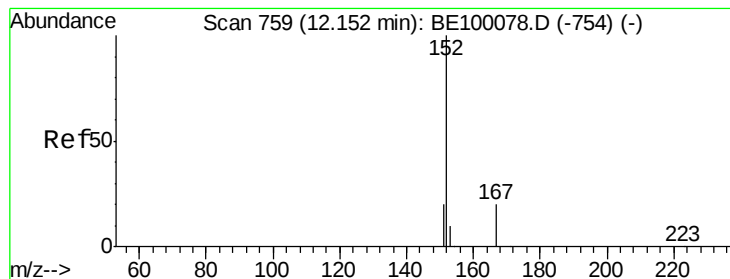


Abundance Ion 225.00 (224.70 to 225.70): E

Ion 223.00 (222.70 to 223.70): E

Ion 227.00 (226.70 to 227.70): E





#11

2-Methylnaphthalene-d10

Concen: 0.419 ng

RT: 12.17 min Scan# 760

Delta R.T. 0.01 min

Lab File: BE100106.D

Acq: 20 Jun 2019 13:38

Instrument :

BNA_E

ClientSampleId :

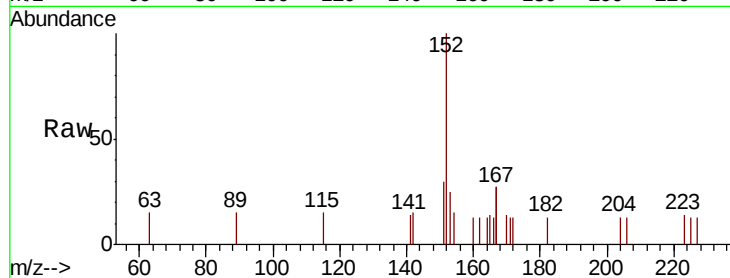
PB120548BS

Tgt Ion:152 Resp: 1159

Ion Ratio Lower Upper

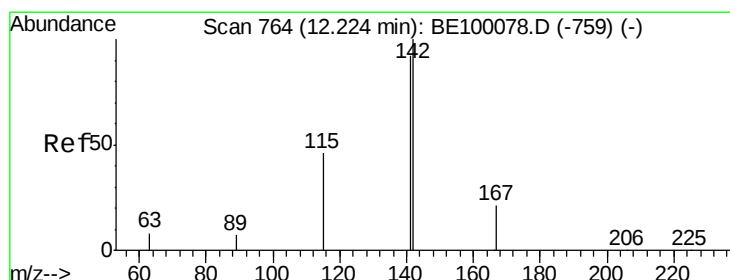
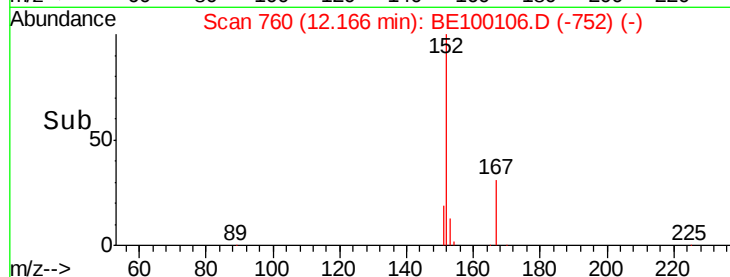
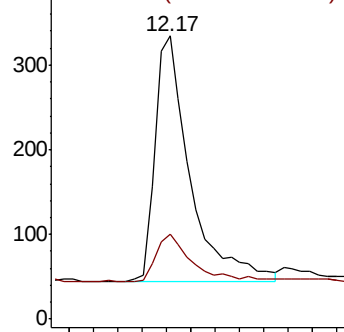
152 100

151 20.7 16.3 24.5



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E



#12

2-Methylnaphthalene

Concen: 0.410 ng

RT: 12.24 min Scan# 765

Delta R.T. 0.01 min

Lab File: BE100106.D

Acq: 20 Jun 2019 13:38

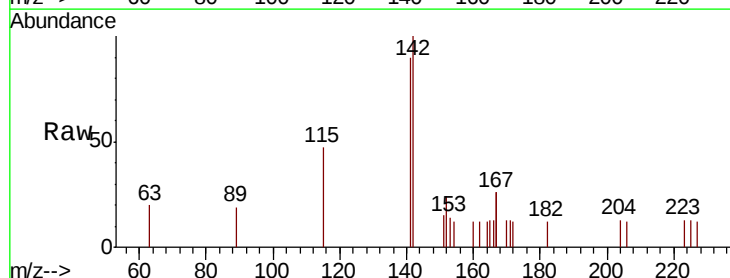
Tgt Ion:142 Resp: 1066

Ion Ratio Lower Upper

142 100

141 89.9 74.1 111.1

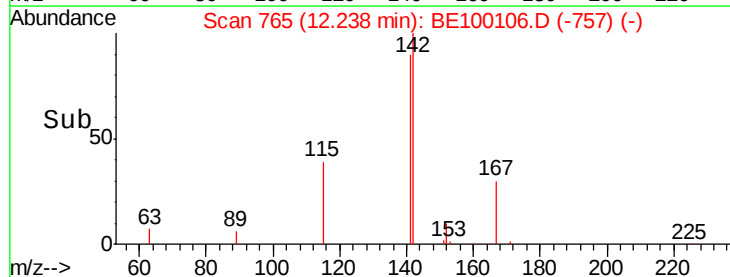
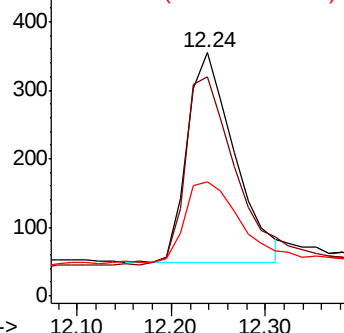
115 46.8 40.9 61.3

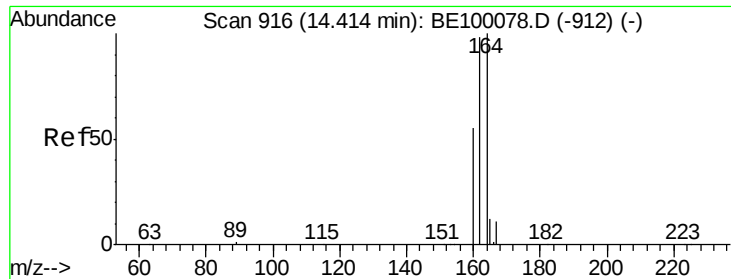


Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 115.00 (114.70 to 115.70): E

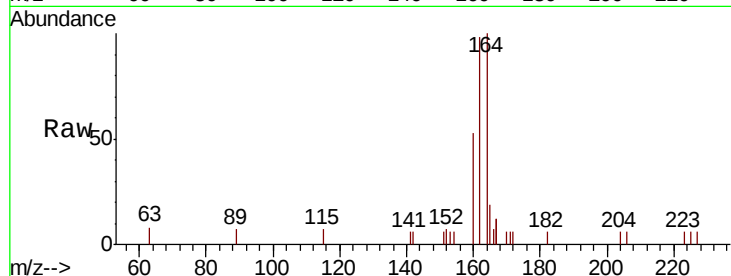




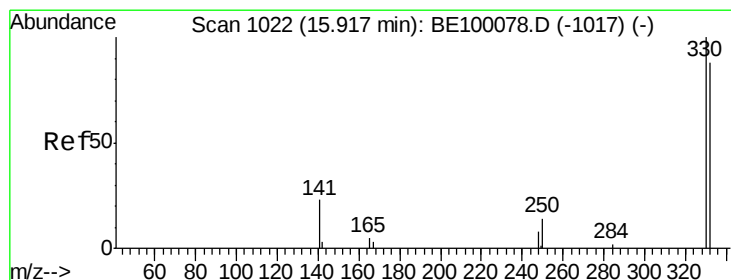
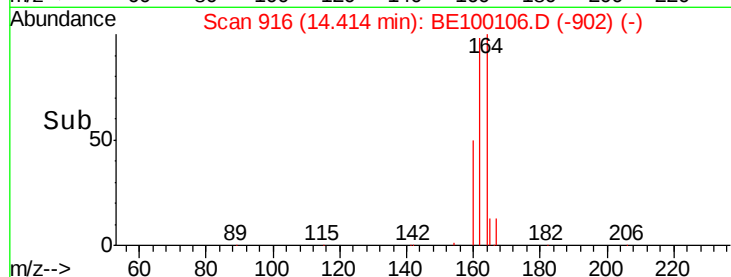
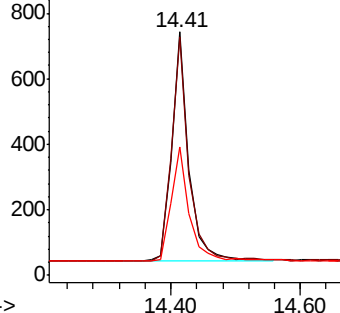
#13
 Acenaphthene-d10
 Concen: 0.400 ng
 RT: 14.41 min Scan# 916
 Delta R.T. -0.00 min
 Lab File: BE100106.D
 Acq: 20 Jun 2019 13:38

Instrument :
 BNA_E
 ClientSampleId :
 PB120548BS

Tgt Ion:164 Resp: 1259
 Ion Ratio Lower Upper
 164 100
 162 97.8 78.2 117.2
 160 52.8 45.6 68.4

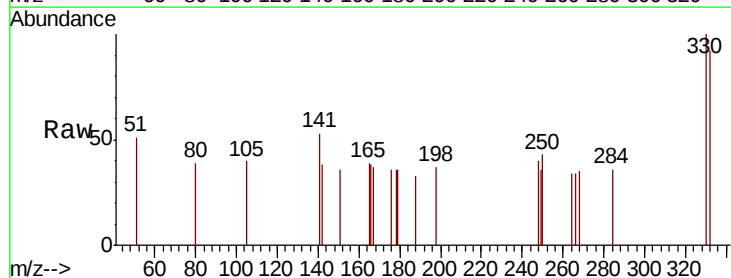


Abundance Ion 164.00 (163.70 to 164.70): E
 Ion 162.00 (161.70 to 162.70): E
 Ion 160.00 (159.70 to 160.70): E

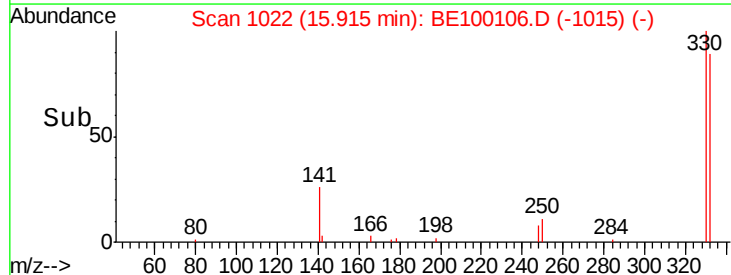
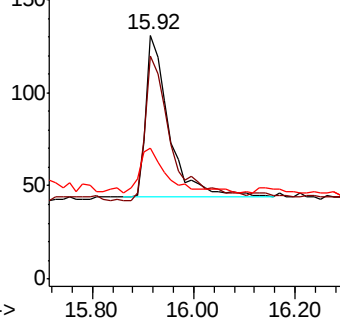


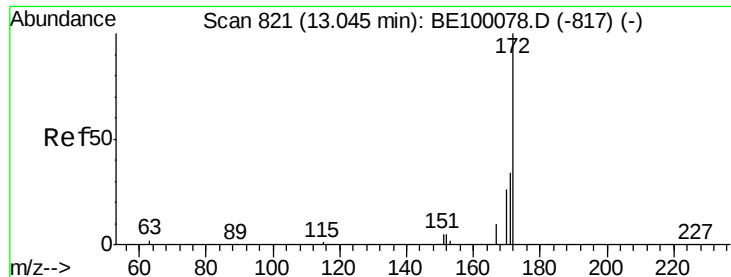
#14
 2,4,6-Tribromophenol
 Concen: 0.394 ng
 RT: 15.92 min Scan# 1022
 Delta R.T. -0.00 min
 Lab File: BE100106.D
 Acq: 20 Jun 2019 13:38

Tgt Ion:330 Resp: 274
 Ion Ratio Lower Upper
 330 100
 332 101.8 73.3 109.9
 141 30.7 22.2 33.2



Abundance Ion 330.00 (329.70 to 330.70): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

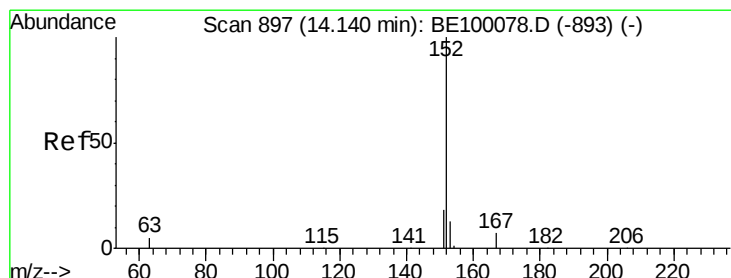
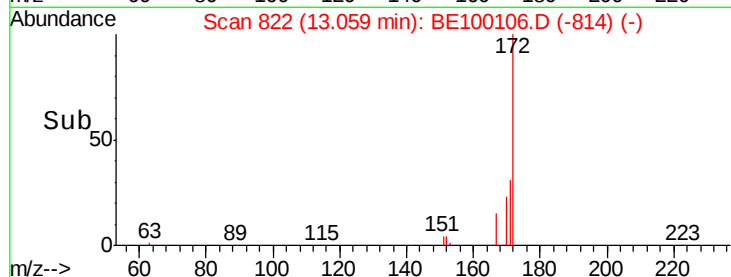
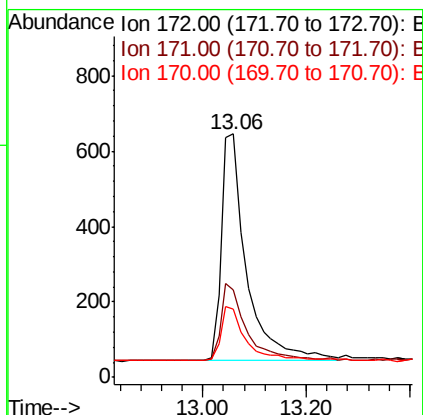
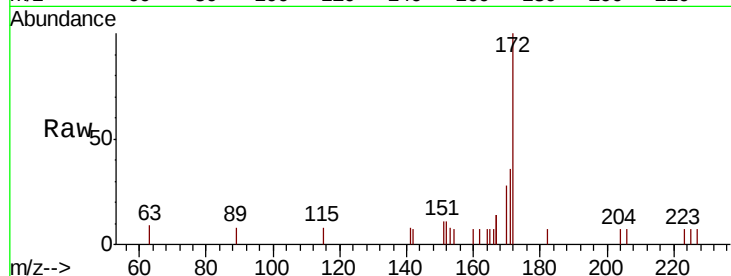




#15
2-Fluorobiphenyl
Concen: 0.415 ng
RT: 13.06 min Scan# 822
Delta R.T. 0.01 min
Lab File: BE100106.D
Acq: 20 Jun 2019 13:38

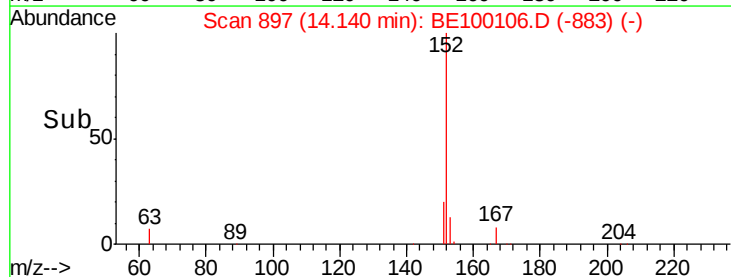
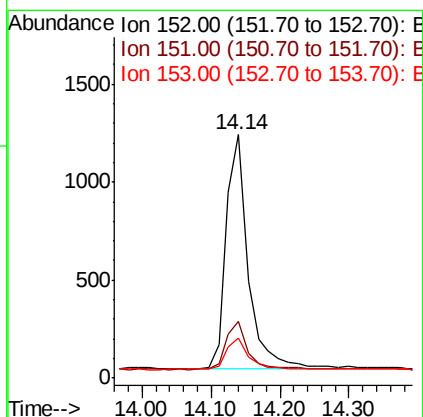
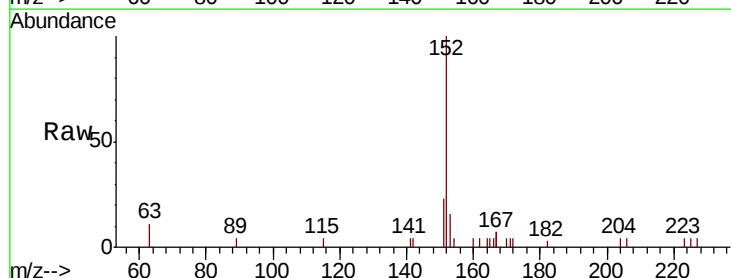
Instrument :
BNA_E
ClientSampleId :
PB120548BS

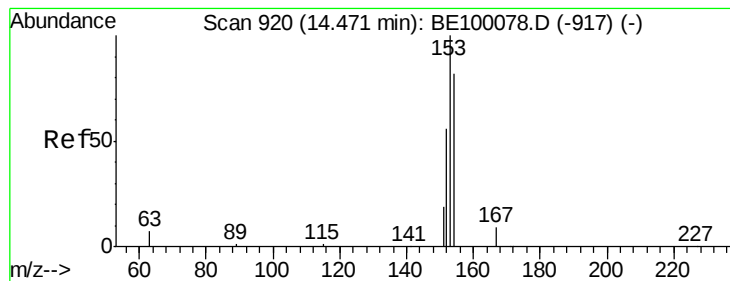
Tgt Ion:172 Resp: 2053
Ion Ratio Lower Upper
172 100
171 36.1 29.8 44.8
170 27.9 23.2 34.8



#16
Acenaphthylene
Concen: 0.447 ng
RT: 14.14 min Scan# 897
Delta R.T. -0.00 min
Lab File: BE100106.D
Acq: 20 Jun 2019 13:38

Tgt Ion:152 Resp: 2669
Ion Ratio Lower Upper
152 100
151 20.3 15.9 23.9
153 13.8 10.1 15.1





#17

Acenaphthene

Concen: 0.423 ng

RT: 14.47 min Scan# 920

Delta R.T. -0.00 min

Lab File: BE100106.D

Acq: 20 Jun 2019 13:38

Instrument :

BNA_E

ClientSampleId :

PB120548BS

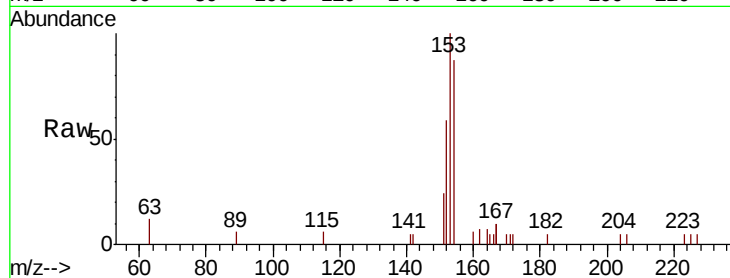
Tgt Ion:154 Resp: 1412

Ion Ratio Lower Upper

154 100

153 114.1 95.5 143.3

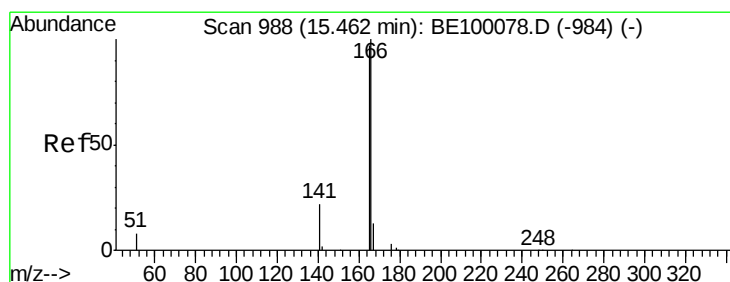
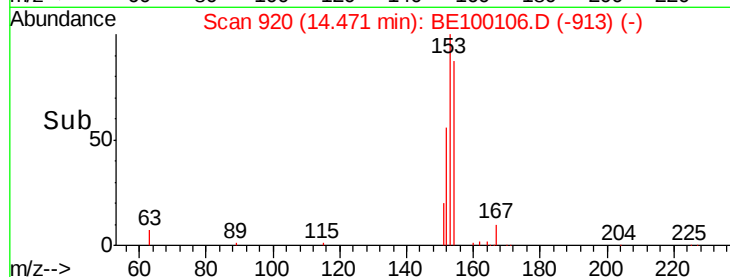
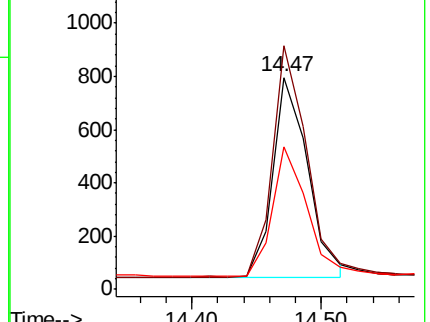
152 64.7 54.9 82.3



Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E



#18

Fluorene

Concen: 0.452 ng

RT: 15.46 min Scan# 988

Delta R.T. -0.00 min

Lab File: BE100106.D

Acq: 20 Jun 2019 13:38

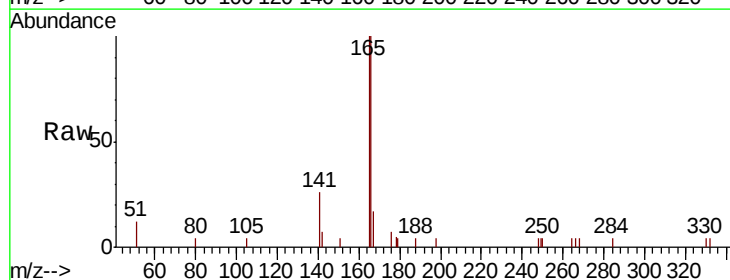
Tgt Ion:166 Resp: 2251

Ion Ratio Lower Upper

166 100

165 100.3 79.8 119.8

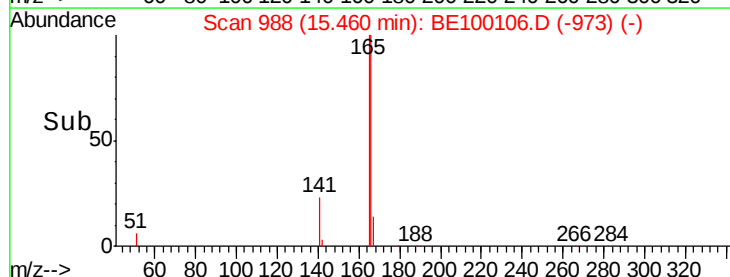
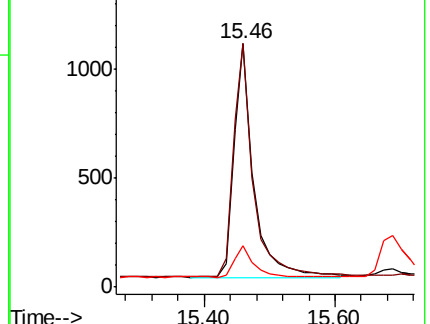
167 13.1 10.2 15.4

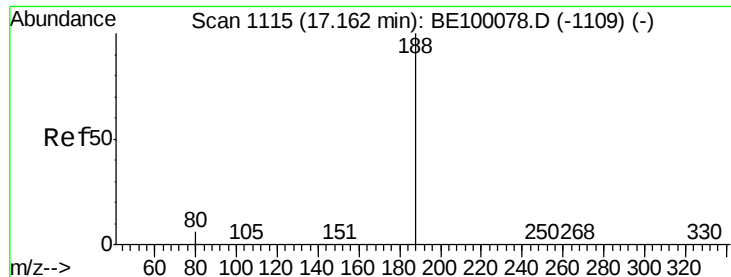


Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E





#19

Phenanthrene-d10

Concen: 0.400 ng

RT: 17.16 min Scan# 1115

Delta R.T. -0.00 min

Lab File: BE100106.D

Acq: 20 Jun 2019 13:38

Instrument :

BNA_E

ClientSampleId :

PB120548BS

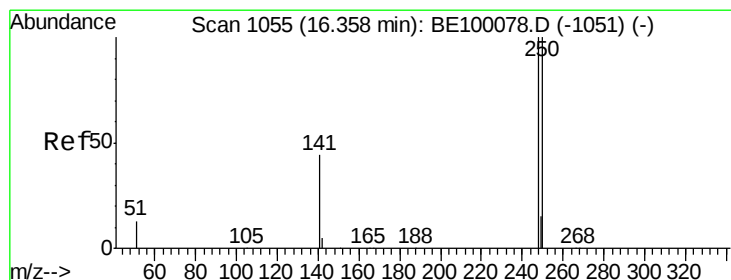
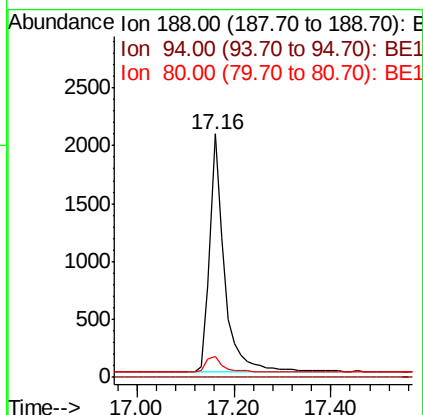
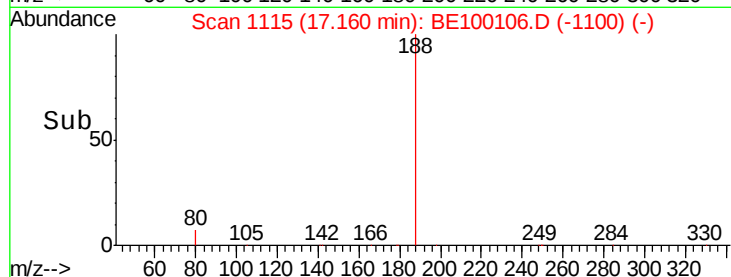
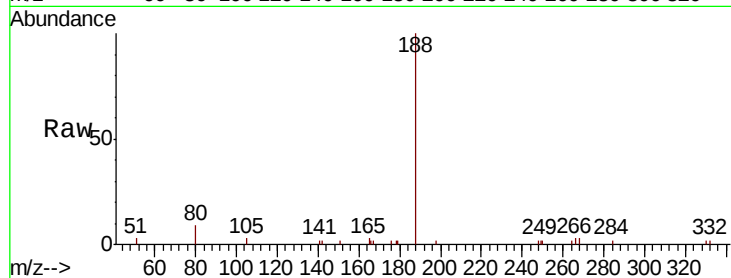
Tgt Ion:188 Resp: 4251

Ion Ratio Lower Upper

188 100

94 0.0 0.0 0.0

80 8.7 6.3 9.5



#20

4-Bromophenyl-phenylether

Concen: 0.412 ng

RT: 16.36 min Scan# 1055

Delta R.T. -0.00 min

Lab File: BE100106.D

Acq: 20 Jun 2019 13:38

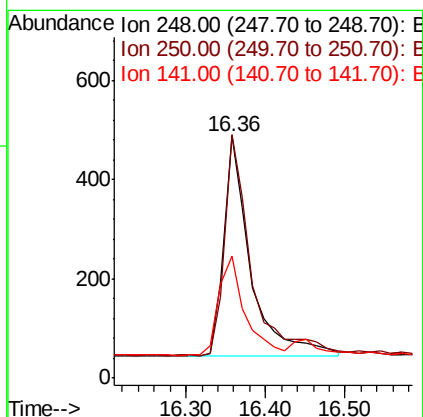
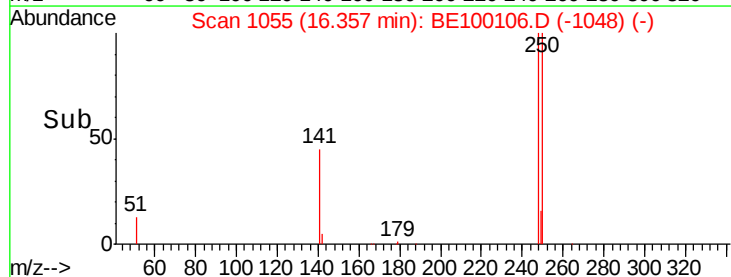
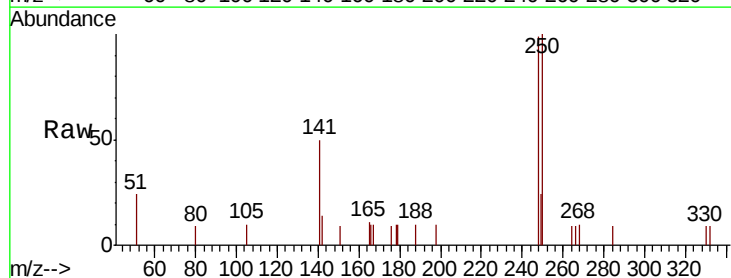
Tgt Ion:248 Resp: 1041

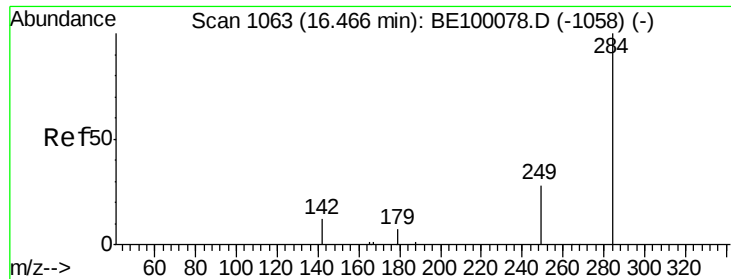
Ion Ratio Lower Upper

248 100

250 100.6 80.6 120.8

141 50.2 38.8 58.2





#21

Hexachlorobenzene

Concen: 0.389 ng

RT: 16.46 min Scan# 1063

Delta R.T. -0.00 min

Lab File: BE100106.D

Acq: 20 Jun 2019 13:38

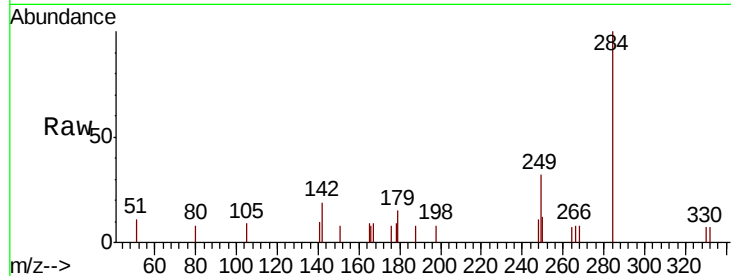
Instrument :

BNA_E

ClientSampleId :

PB120548BS

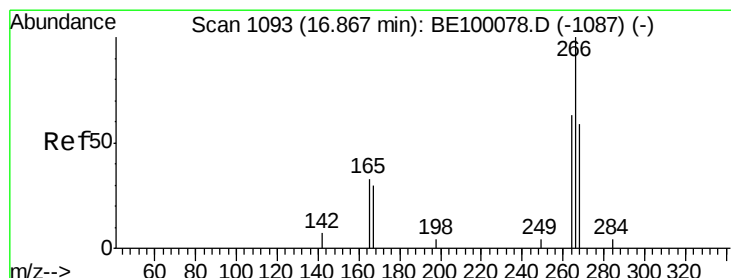
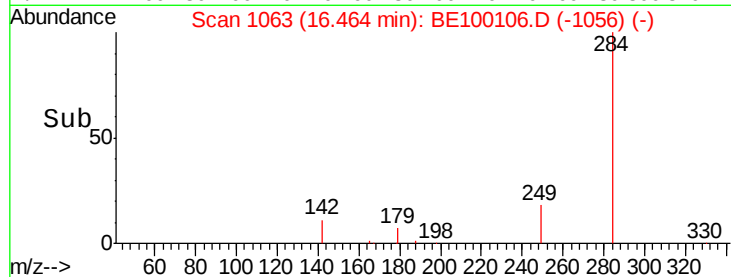
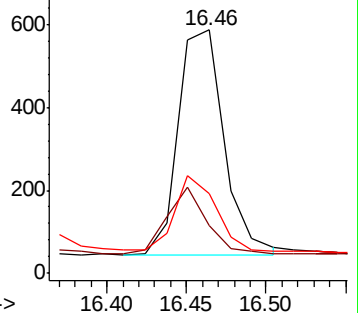
Tgt Ion:	284	Resp:	1085
Ion	Ratio	Lower	Upper
284	100		
142	25.4	20.7	31.1
249	29.5	26.6	39.8



Abundance Ion 283.80 (283.50 to 284.50): E

Ion 142.00 (141.70 to 142.70): E

Ion 249.00 (248.70 to 249.70): E



#22

Pentachlorophenol

Concen: 0.717 ng

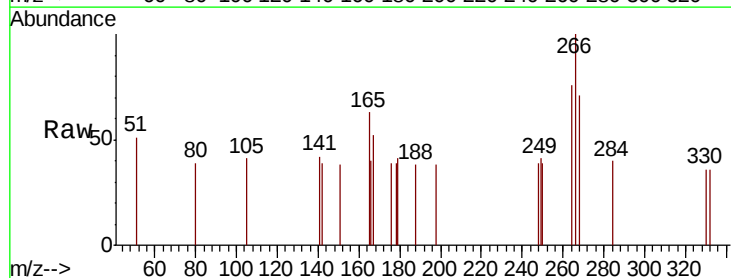
RT: 16.85 min Scan# 1092

Delta R.T. -0.01 min

Lab File: BE100106.D

Acq: 20 Jun 2019 13:38

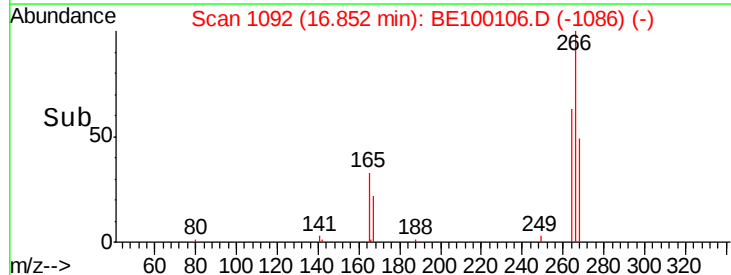
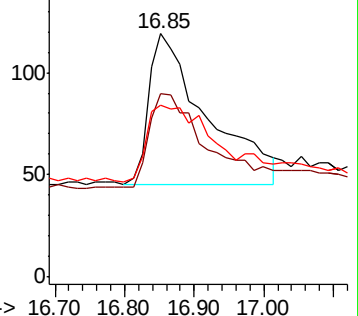
Tgt Ion:	266	Resp:	430
Ion	Ratio	Lower	Upper
266	100		
264	75.6	67.8	101.6
268	70.6	70.0	105.0

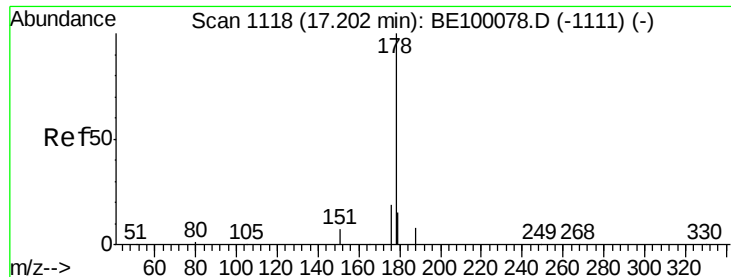


Abundance Ion 266.00 (265.70 to 266.70): E

Ion 264.00 (263.70 to 264.70): E

Ion 268.00 (267.70 to 268.70): E





#23

Phenanthrene

Concen: 0.420 ng

RT: 17.20 min Scan# 1118

Delta R.T. -0.00 min

Lab File: BE100106.D

Acq: 20 Jun 2019 13:38

Instrument :

BNA_E

ClientSampleId :

PB120548BS

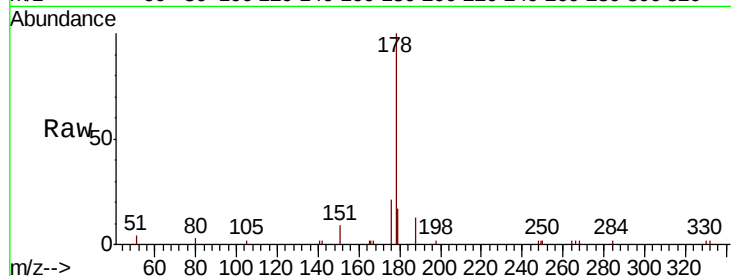
Tgt Ion:178 Resp: 4280

Ion Ratio Lower Upper

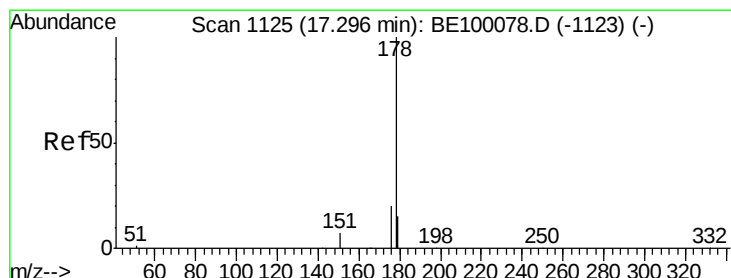
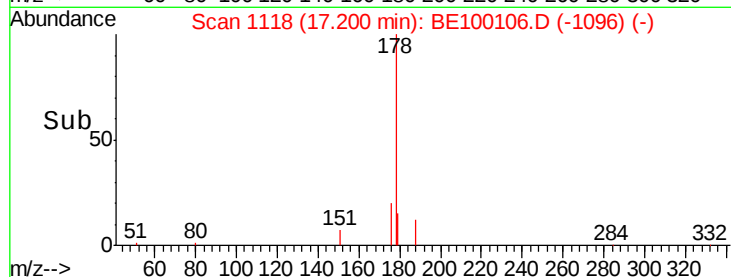
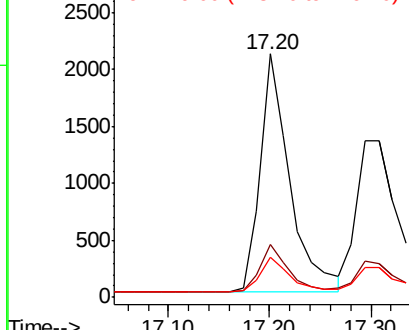
178 100

176 19.2 15.9 23.9

179 14.9 13.1 19.7



Abundance Ion 178.00 (177.70 to 178.70): E
Ion 176.00 (175.70 to 176.70): E
Ion 179.00 (178.70 to 179.70): E



#24

Anthracene

Concen: 0.380 ng

RT: 17.29 min Scan# 1125

Delta R.T. -0.00 min

Lab File: BE100106.D

Acq: 20 Jun 2019 13:38

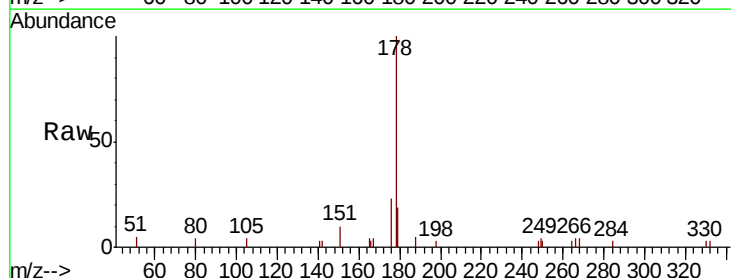
Tgt Ion:178 Resp: 3264

Ion Ratio Lower Upper

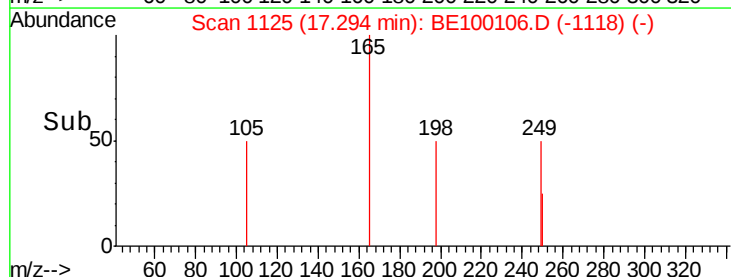
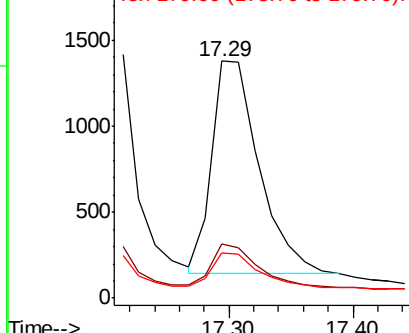
178 100

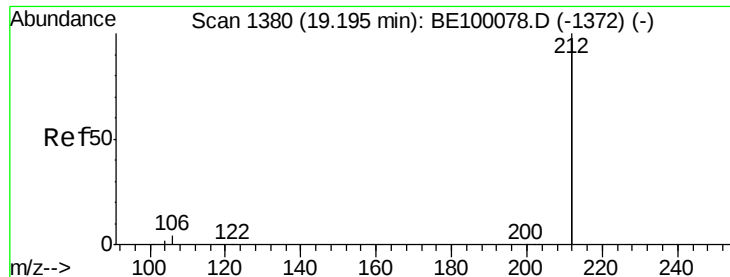
176 20.1 15.8 23.6

179 16.0 12.0 18.0



Abundance Ion 178.00 (177.70 to 178.70): E
Ion 176.00 (175.70 to 176.70): E
Ion 179.00 (178.70 to 179.70): E





#25

Fluoranthene-d10

Concen: 0.418 ng

RT: 19.20 min Scan# 1380

Delta R.T. 0.00 min

Lab File: BE100106.D

Acq: 20 Jun 2019 13:38

Instrument :

BNA_E

ClientSampleId :

PB120548BS

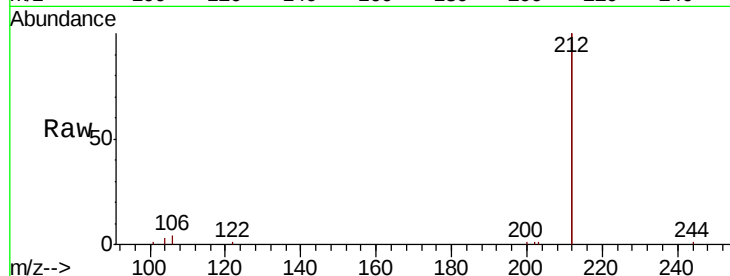
Tgt Ion:212 Resp: 25414

Ion Ratio Lower Upper

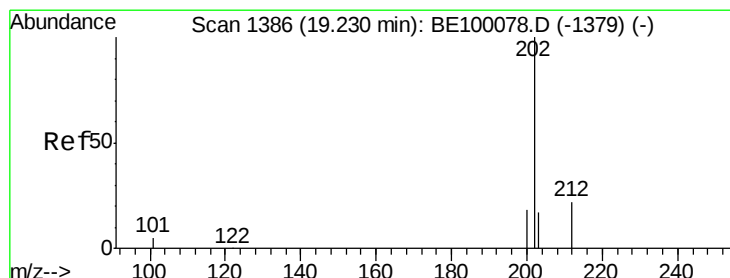
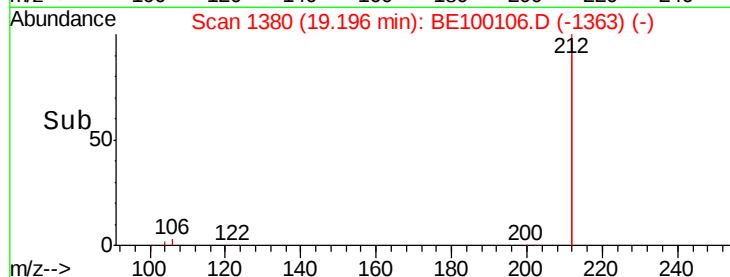
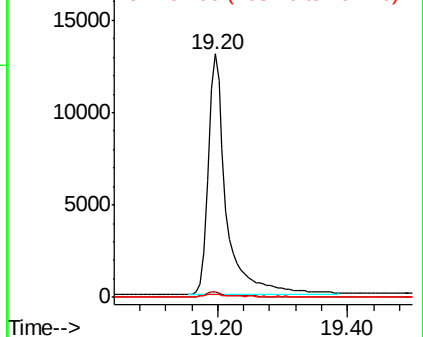
212 100

106 1.8 1.4 2.0

104 1.0 0.8 1.2



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



#26

Fluoranthene

Concen: 0.442 ng

RT: 19.22 min Scan# 1385

Delta R.T. -0.01 min

Lab File: BE100106.D

Acq: 20 Jun 2019 13:38

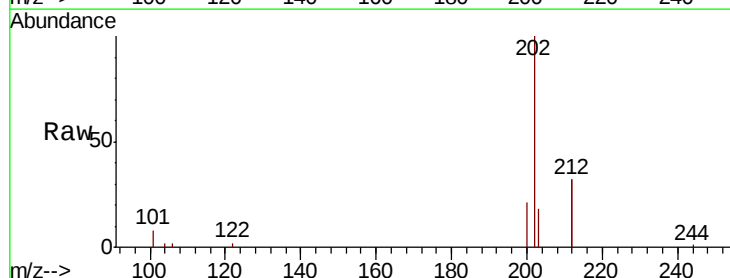
Tgt Ion:202 Resp: 7225

Ion Ratio Lower Upper

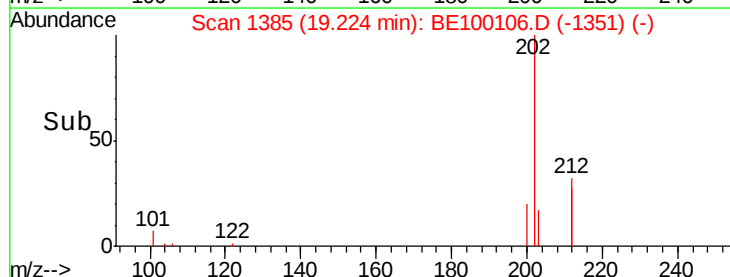
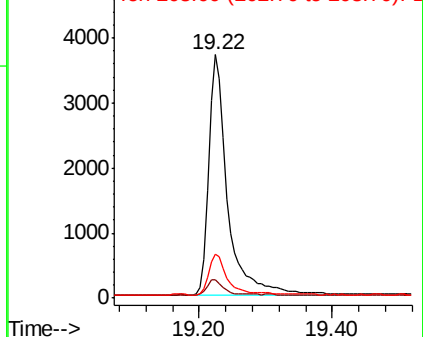
202 100

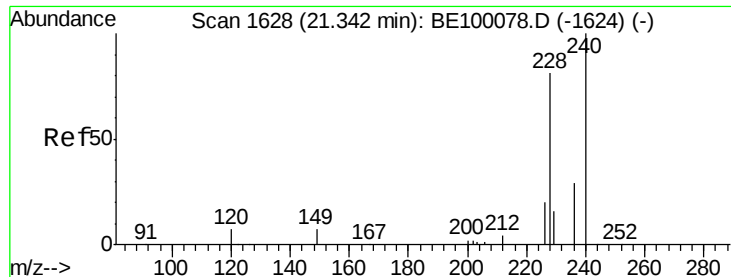
101 6.0 5.0 7.4

203 17.0 13.7 20.5



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

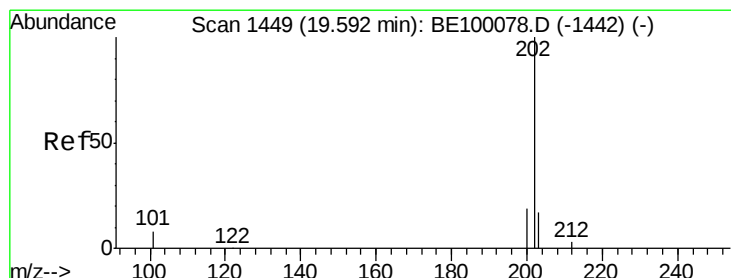
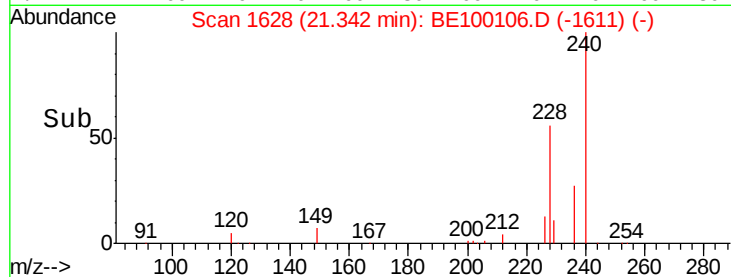
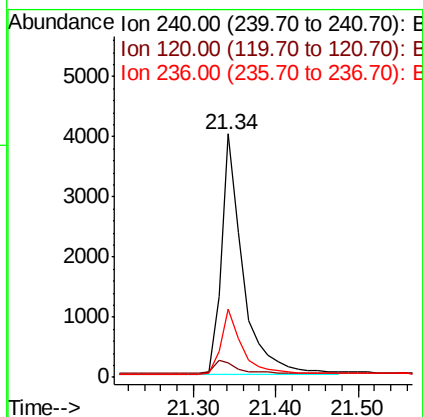
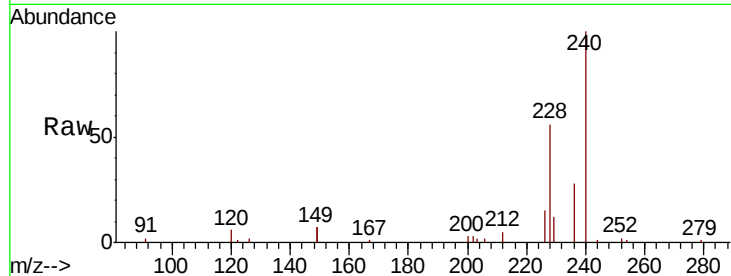




#27
 Chrysene-d12
 Concen: 0.400 ng
 RT: 21.34 min Scan# 1628
 Delta R.T. 0.00 min
 Lab File: BE100106.D
 Acq: 20 Jun 2019 13:38

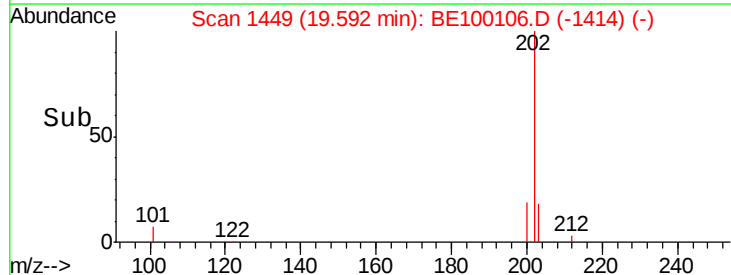
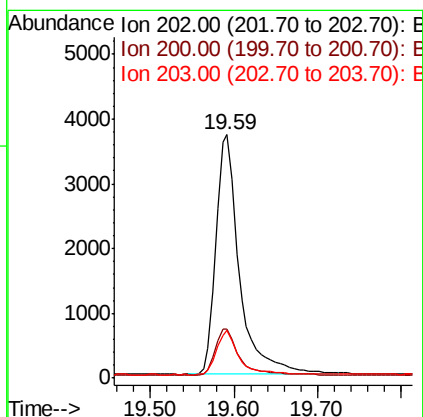
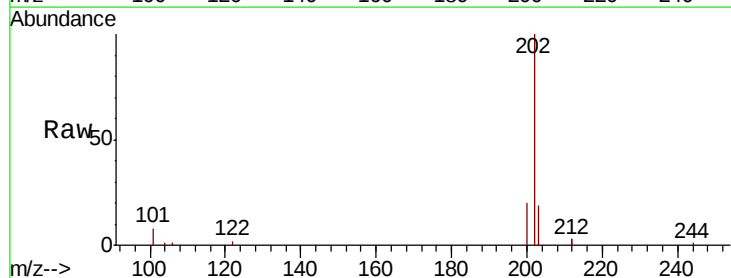
Instrument :
 BNA_E
 ClientSampleId :
 PB120548BS

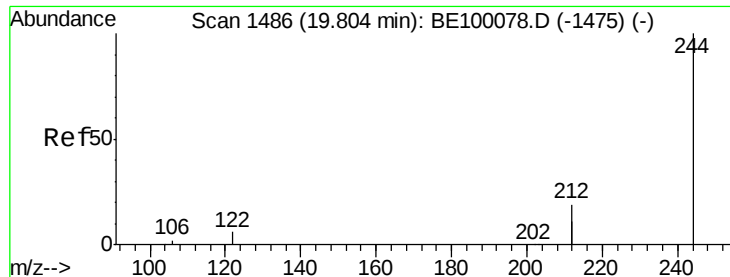
Tgt Ion: 240 Resp: 7324
 Ion Ratio Lower Upper
 240 100
 120 6.1 6.6 10.0#
 236 28.2 23.8 35.6



#28
 Pyrene
 Concen: 0.388 ng
 RT: 19.59 min Scan# 1449
 Delta R.T. 0.00 min
 Lab File: BE100106.D
 Acq: 20 Jun 2019 13:38

Tgt Ion: 202 Resp: 7308
 Ion Ratio Lower Upper
 202 100
 200 19.4 15.6 23.4
 203 17.7 13.9 20.9





#29

Terphenyl-d14

Concen: 0.344 ng

RT: 19.80 min Scan# 1486

Delta R.T. 0.00 min

Lab File: BE100106.D

Acq: 20 Jun 2019 13:38

Instrument :

BNA_E

ClientSampleId :

PB120548BS

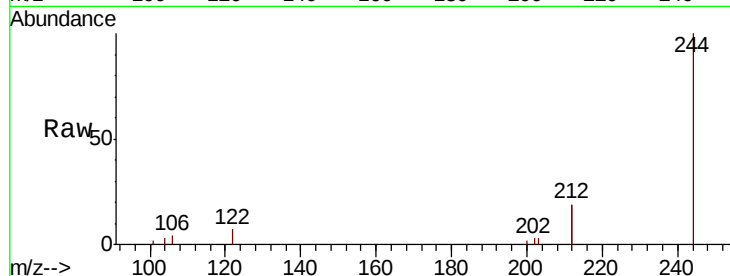
Tgt Ion:244 Resp: 5033

Ion Ratio Lower Upper

244 100

212 37.3 29.8 44.8

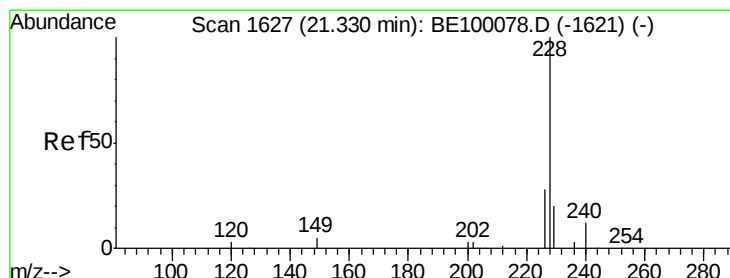
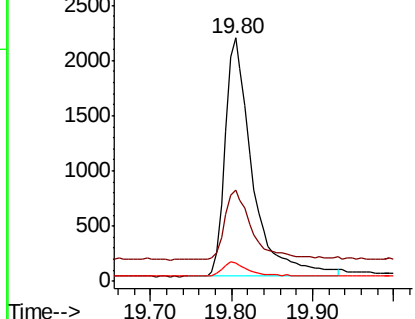
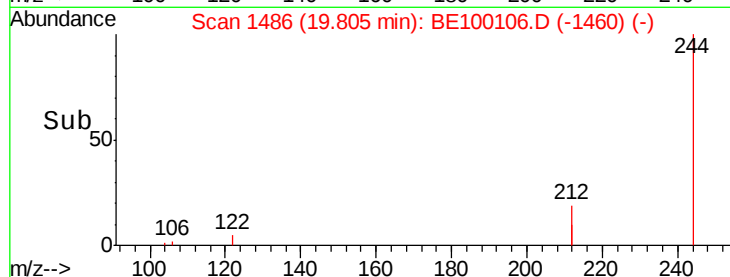
122 7.4 6.1 9.1



Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E



#30

Benzo(a)anthracene

Concen: 0.368 ng

RT: 21.33 min Scan# 1627

Delta R.T. 0.00 min

Lab File: BE100106.D

Acq: 20 Jun 2019 13:38

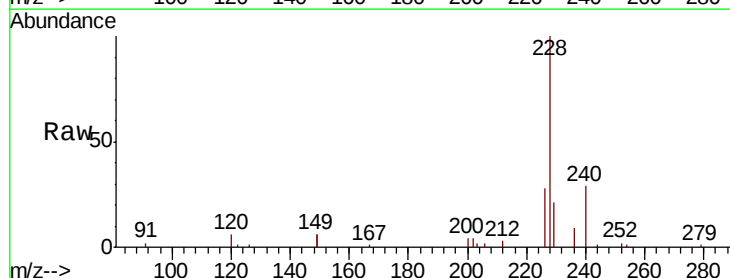
Tgt Ion:228 Resp: 8018

Ion Ratio Lower Upper

228 100

226 27.8 23.0 34.4

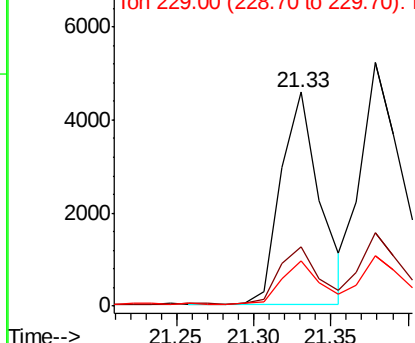
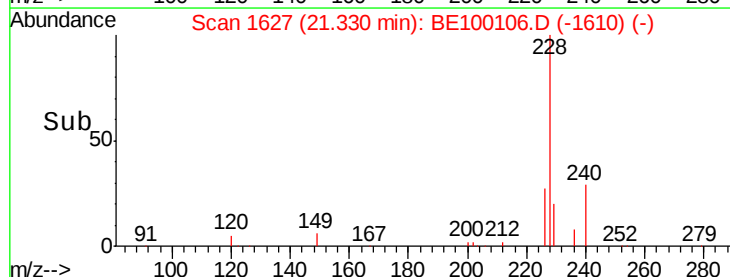
229 21.0 16.4 24.6

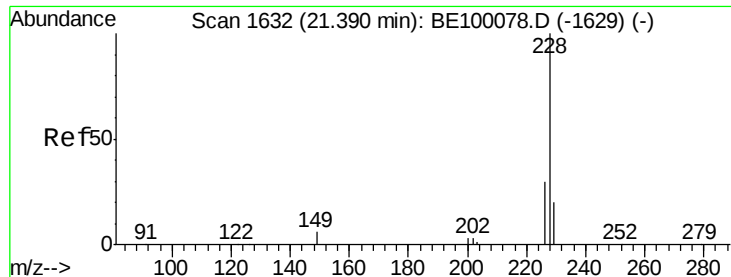


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#31

Chrysene

Concen: 0.402 ng

RT: 21.38 min Scan# 1631

Delta R.T. -0.01 min

Lab File: BE100106.D

Acq: 20 Jun 2019 13:38

Instrument :

BNA_E

ClientSampleId :

PB120548BS

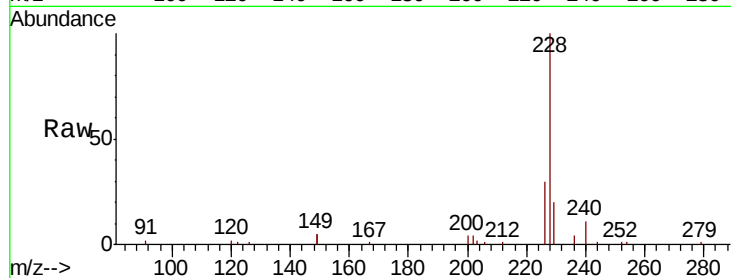
Tgt Ion:228 Resp: 10172

Ion Ratio Lower Upper

228 100

226 30.4 23.8 35.8

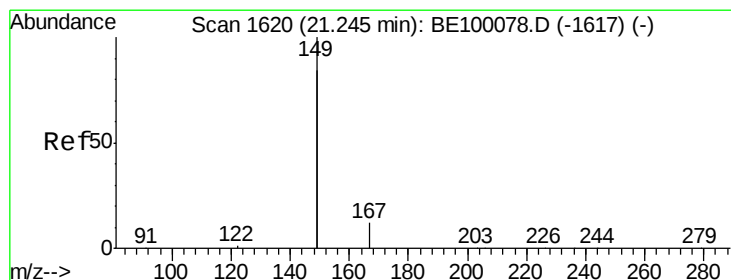
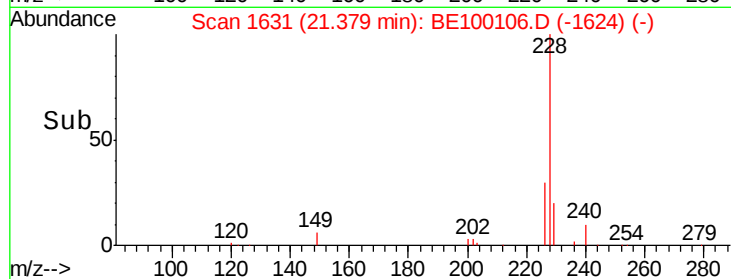
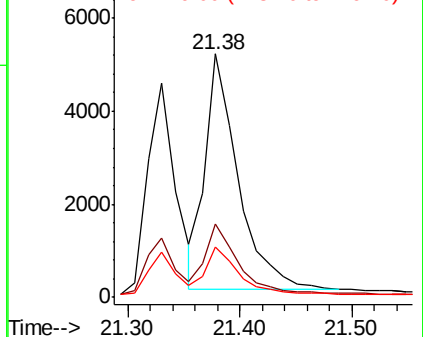
229 20.5 16.3 24.5



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: 0.483 ng

RT: 21.25 min Scan# 1620

Delta R.T. 0.00 min

Lab File: BE100106.D

Acq: 20 Jun 2019 13:38

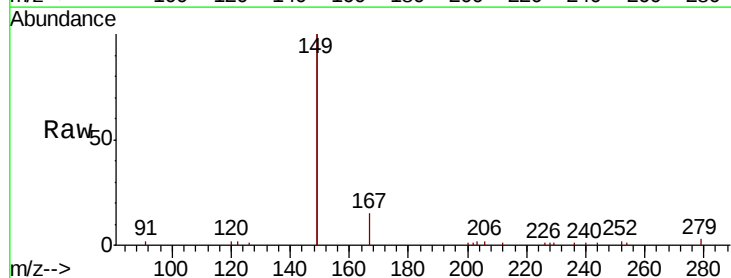
Tgt Ion:149 Resp: 9934

Ion Ratio Lower Upper

149 100

167 7.4 5.8 8.6

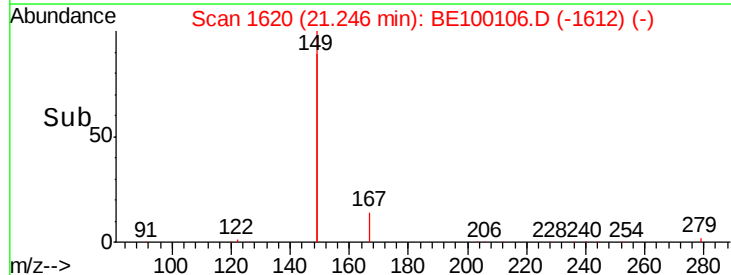
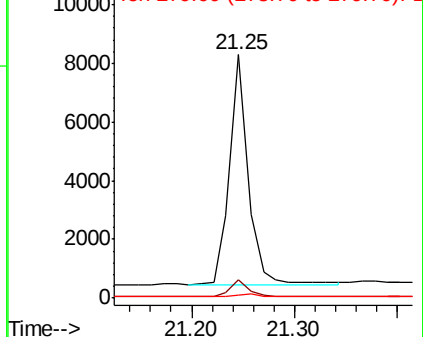
279 1.5 1.1 1.7

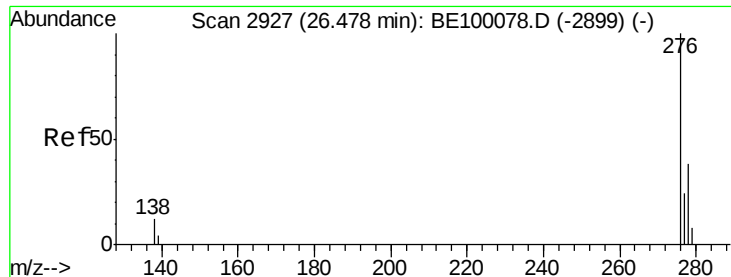


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E





#33

Indeno(1,2,3-cd)pyrene

Concen: 0.427 ng

RT: 26.48 min Scan# 2927

Delta R.T. -0.00 min

Lab File: BE100106.D

Acq: 20 Jun 2019 13:38

Instrument :

BNA_E

ClientSampleId :

PB120548BS

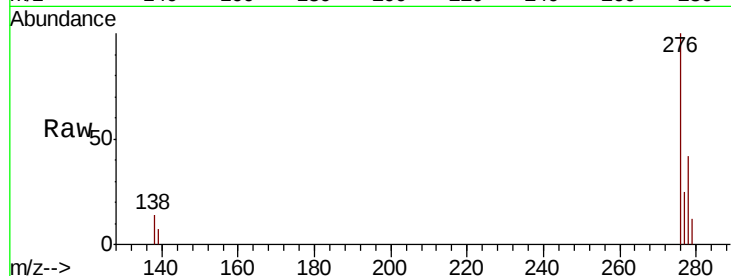
Tgt Ion:276 Resp: 12177

Ion Ratio Lower Upper

276 100

138 6.1 4.3 6.5

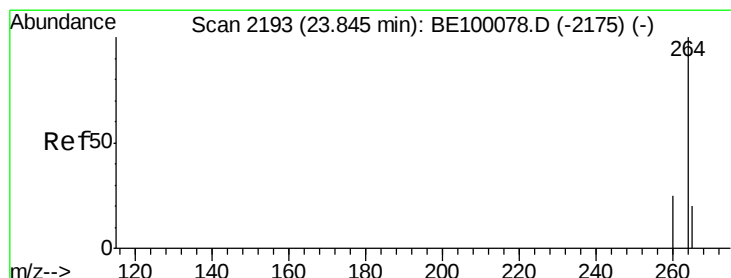
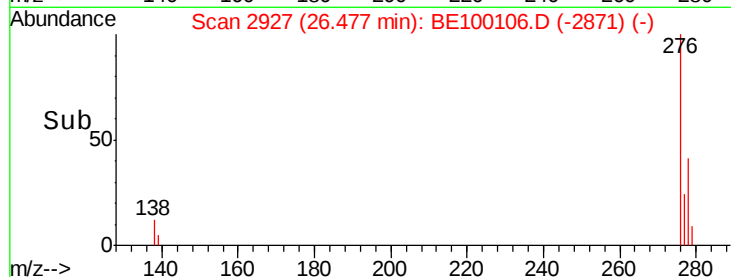
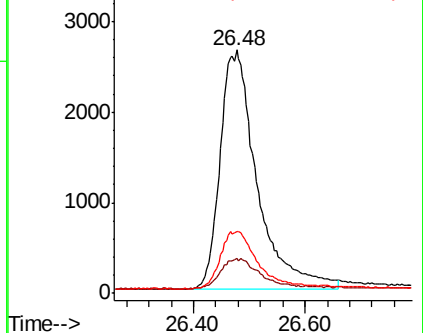
277 24.2 19.4 29.0



Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E



#34

Perylene-d12

Concen: 0.400 ng

RT: 23.84 min Scan# 2191

Delta R.T. -0.01 min

Lab File: BE100106.D

Acq: 20 Jun 2019 13:38

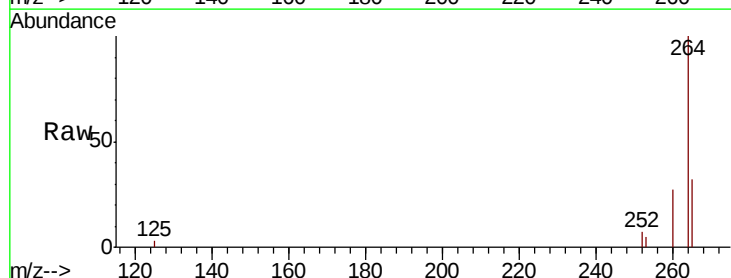
Tgt Ion:264 Resp: 8189

Ion Ratio Lower Upper

264 100

260 26.5 20.8 31.2

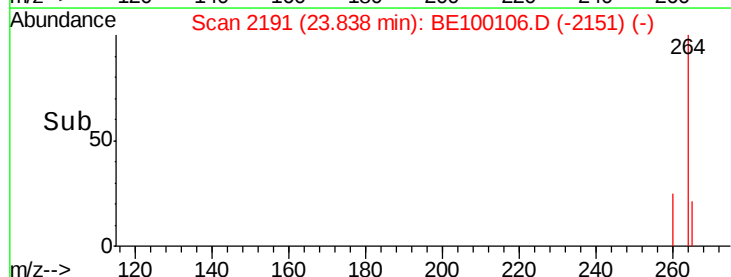
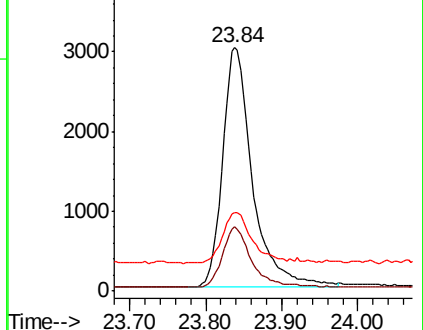
265 32.4 23.2 34.8

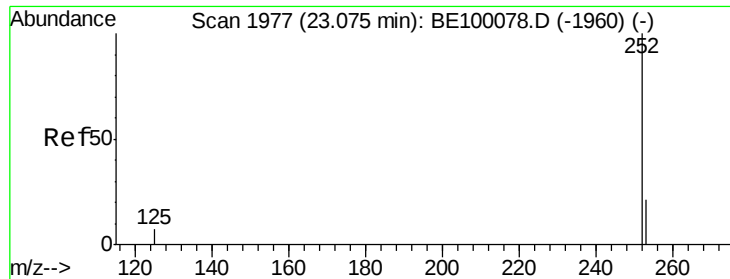


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E

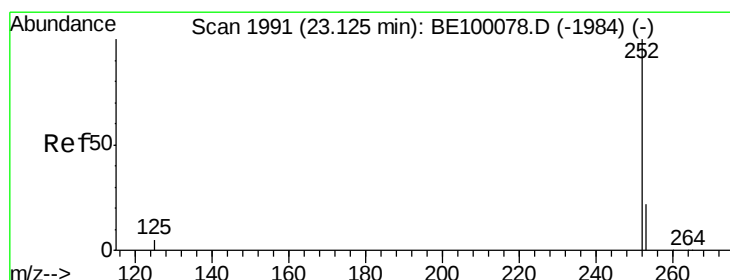
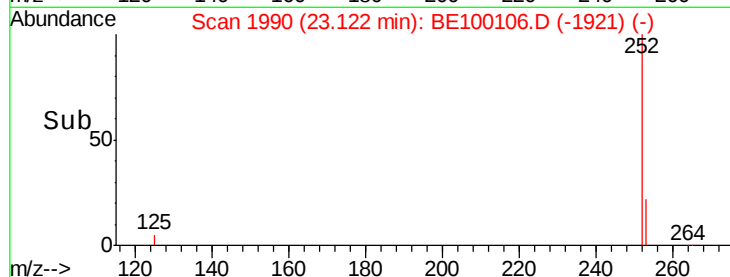
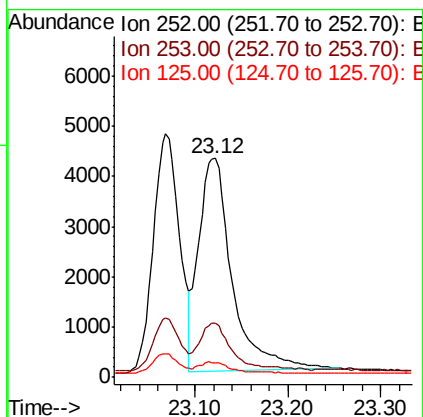
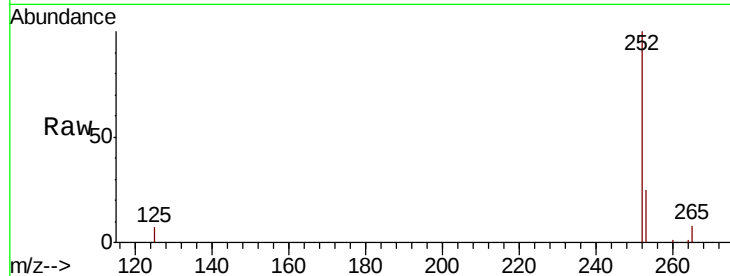




#35
Benzo(b)fluoranthene
Concen: 0.440 ng
RT: 23.12 min Scan# 1990
Delta R.T. 0.05 min
Lab File: BE100106.D
Acq: 20 Jun 2019 13:38

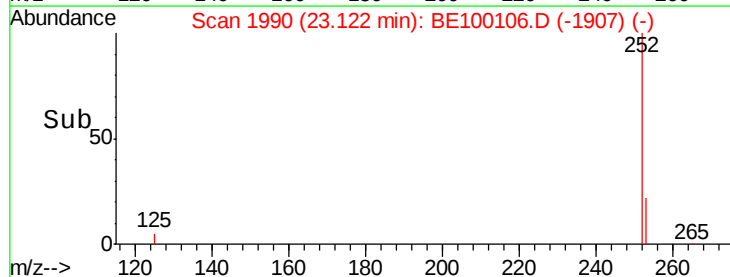
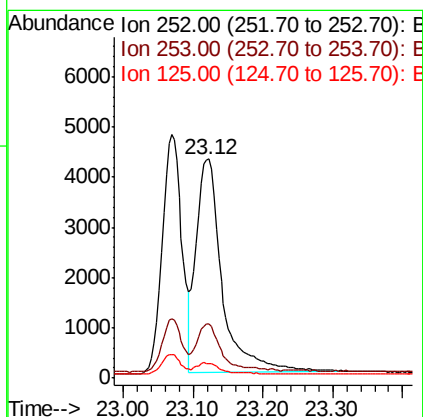
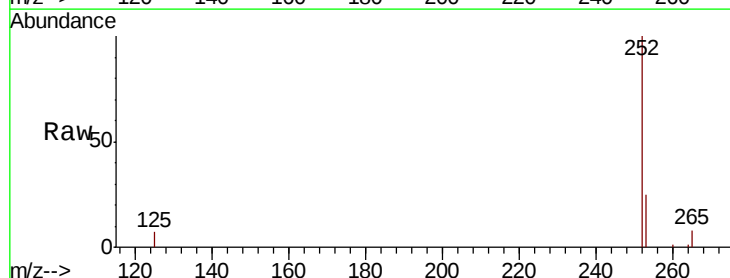
Instrument :
BNA_E
ClientSampleId :
PB120548BS

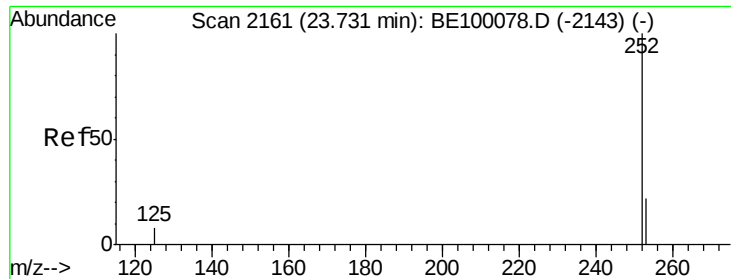
Tgt Ion:252 Resp: 10584
Ion Ratio Lower Upper
252 100
253 24.6 18.4 27.6
125 6.9 6.4 9.6



#36
Benzo(k)fluoranthene
Concen: 0.402 ng
RT: 23.12 min Scan# 1990
Delta R.T. -0.00 min
Lab File: BE100106.D
Acq: 20 Jun 2019 13:38

Tgt Ion:252 Resp: 10997
Ion Ratio Lower Upper
252 100
253 24.6 18.9 28.3
125 6.9 5.3 7.9





#37

Benzo(a)pyrene

Concen: 0.416 ng

RT: 23.72 min Scan# 2159

Delta R.T. -0.01 min

Lab File: BE100106.D

Acq: 20 Jun 2019 13:38

Instrument :

BNA_E

ClientSampleId :

PB120548BS

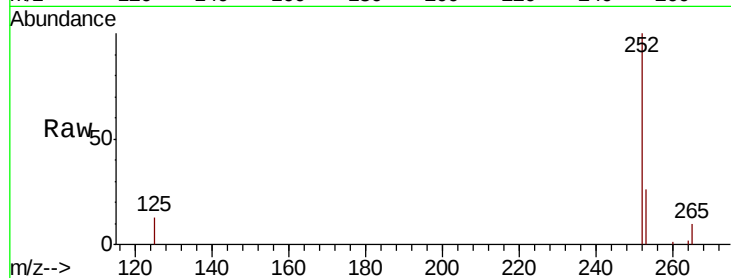
Tgt Ion:252 Resp: 9656

Ion Ratio Lower Upper

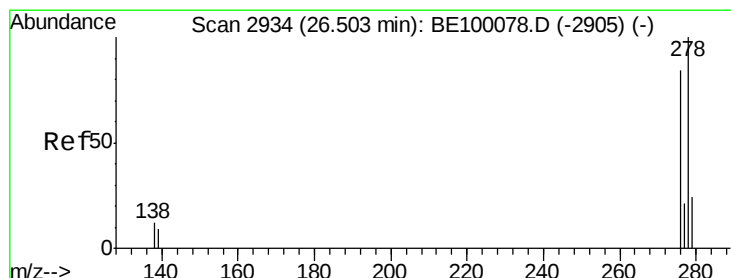
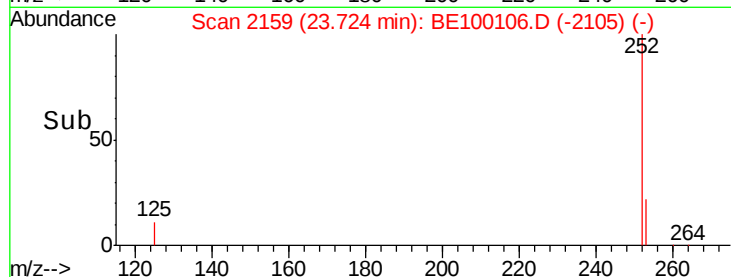
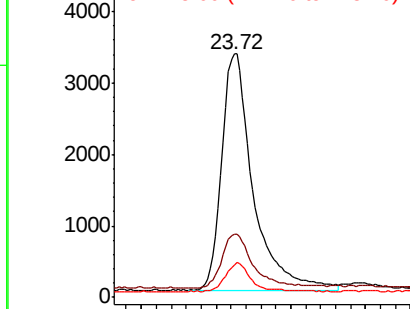
252 100

253 25.9 19.4 29.2

125 13.1 8.0 12.0#



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



#38

Dibenzo(a,h)anthracene

Concen: 0.404 ng

RT: 26.50 min Scan# 2934

Delta R.T. -0.00 min

Lab File: BE100106.D

Acq: 20 Jun 2019 13:38

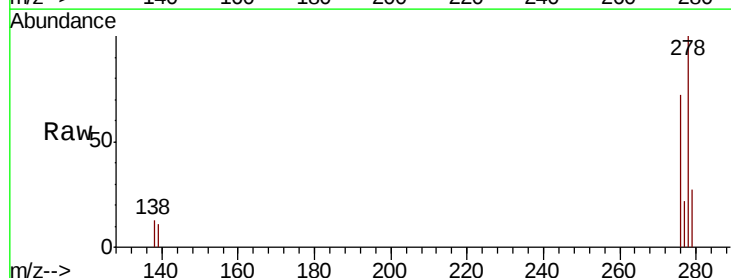
Tgt Ion:278 Resp: 9605

Ion Ratio Lower Upper

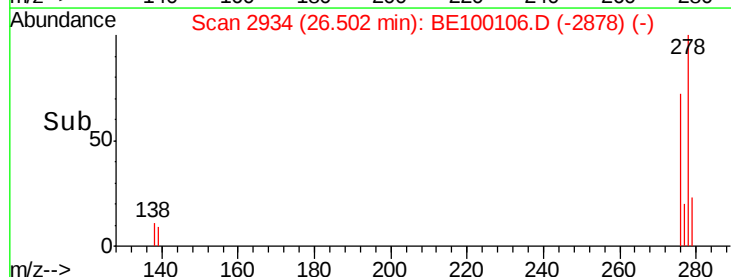
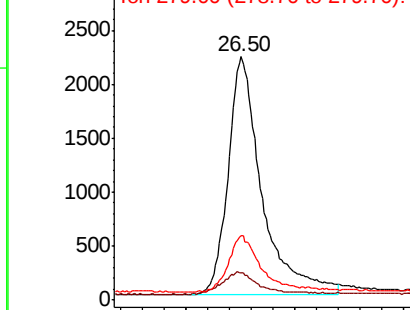
278 100

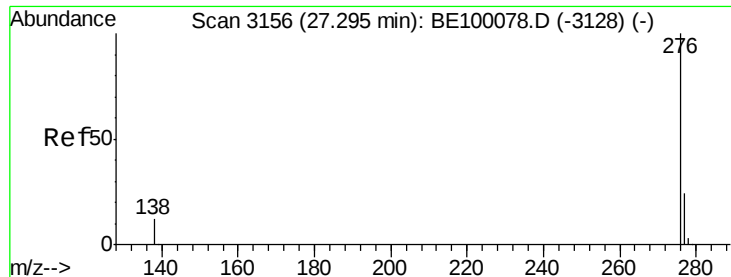
139 11.1 9.0 13.6

279 26.7 21.4 32.0



Abundance Ion 278.00 (277.70 to 278.70): E
Ion 139.00 (138.70 to 139.70): E
Ion 279.00 (278.70 to 279.70): E





#39

Benzo(g,h,i)perylene

Concen: 0.413 ng

RT: 27.29 min Scan# 3154

Delta R.T. -0.01 min

Lab File: BE100106.D

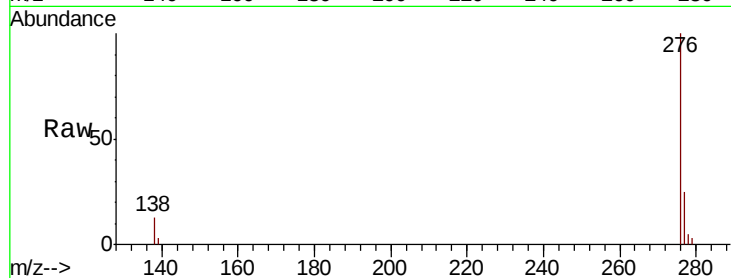
Acq: 20 Jun 2019 13:38

Instrument :

BNA_E

ClientSampleId :

PB120548BS



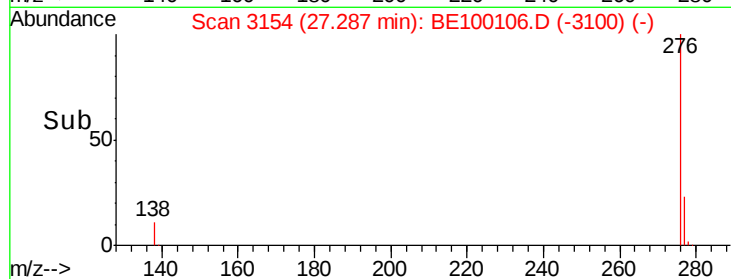
Tgt Ion: 276 Resp: 10204

Ion Ratio Lower Upper

276 100

277 24.9 20.3 30.5

138 12.9 11.3 16.9



Abundance Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

