

Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE070819\
 Data File : BE100409.D
 Acq On : 8 Jul 2019 13:12
 Operator : JU/SJ
 Sample : PB121046BS
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 PB121046BS

Quant Time: Jul 08 15:25:20 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA E\METHODS\8270-SIM-BE062819.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Jul 08 15:19:44 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.62	152	493	0.40	ng	0.00
7) Naphthalene-d8	10.41	136	1492	0.40	ng	-0.01
13) Acenaphthene-d10	14.30	164	927	0.40	ng	0.00
19) Phenanthrene-d10	17.04	188	2825	0.40	ng	0.00
27) Chrysene-d12	21.23	240	3032	0.40	ng	0.00
34) Perylene-d12	23.64	264	4602	0.40	ng	0.00

System Monitoring Compounds						
4) 2-Fluorophenol	5.21	112	408	0.32	ng	0.03
5) Phenol-d6	6.82	99	504	0.30	ng	-0.03
8) Nitrobenzene-d5	8.80	82	391	0.26	ng	-0.01
11) 2-Methylnaphthalene-d10	12.02	152	1645	0.59	ng	-0.01
14) 2,4,6-Tribromophenol	15.82	330	194	0.30	ng	0.01
15) 2-Fluorobiphenyl	12.93	172	1479	0.41	ng	0.00
25) Fluoranthene-d10	19.08	212	13721	0.33	ng	0.00
29) Terphenyl-d14	19.70	244	2545	0.40	ng	0.00

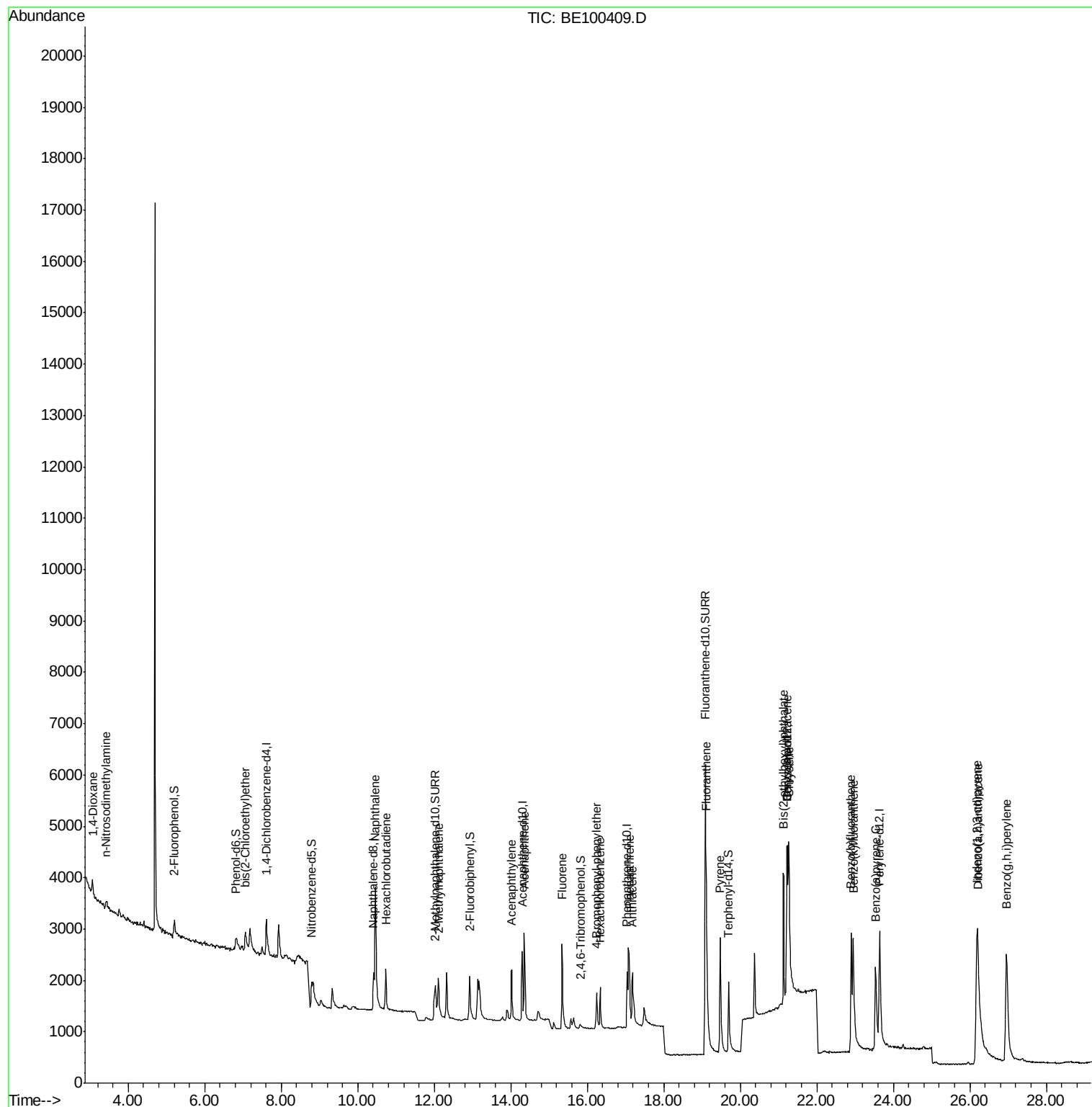
Target Compounds				Qvalue		
2) 1,4-Dioxane	3.07	88	240	0.314	ng	# 54
3) n-Nitrosodimethylamine	3.43	42	131	0.367	ng	# 50
6) bis(2-Chloroethyl)ether	7.06	93	330	0.243	ng	# 44
9) Naphthalene	10.46	128	6072	0.369	ng	98
10) Hexachlorobutadiene	10.73	225	680	0.429	ng	96
12) 2-Methylnaphthalene	12.11	142	840	0.291	ng	96
16) Acenaphthylene	14.02	152	1737	0.390	ng	97
17) Acenaphthene	14.36	154	918	0.364	ng	99
18) Fluorene	15.34	166	1418	0.380	ng	99
20) 4-Bromophenyl-phenylether	16.24	248	654	0.363	ng	97
21) Hexachlorobenzene	16.34	284	763	0.408	ng	98
23) Phenanthrene	17.09	178	2374	0.347	ng	100
24) Anthracene	17.19	178	1849	0.300	ng	98
26) Fluoranthene	19.11	202	3664	0.336	ng	100
28) Pyrene	19.48	202	3706	0.462	ng	100
30) Benzo(a)anthracene	21.22	228	3247	0.326	ng	96
31) Chrysene	21.27	228	3659	0.366	ng	98
32) Bis(2-ethylhexyl)phthalate	21.12	149	4035	0.229	ng	99
33) Indeno(1,2,3-cd)pyrene	26.18	276	6673	0.504	ng	97
35) Benzo(b)fluoranthene	22.90	252	3657	0.293	ng	98
36) Benzo(k)fluoranthene	22.95	252	5427	0.390	ng	# 96
37) Benzo(a)pyrene	23.54	252	4628	0.370	ng	# 95
38) Dibenzo(a,h)anthracene	26.21	278	5761	0.441	ng	97
39) Benzo(g,h,i)perylene	26.96	276	7256	0.541	ng	97

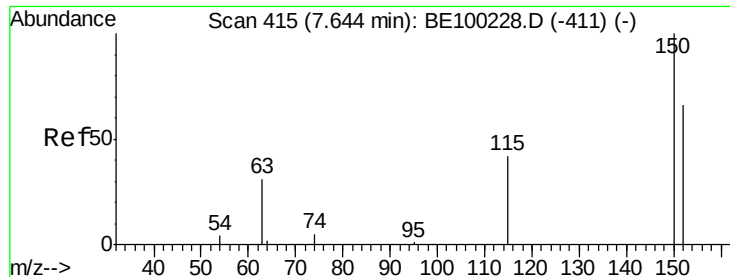
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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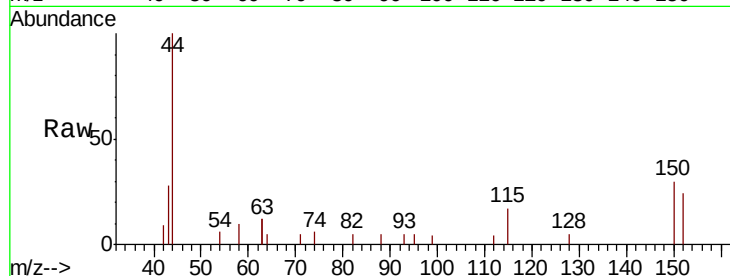


#1

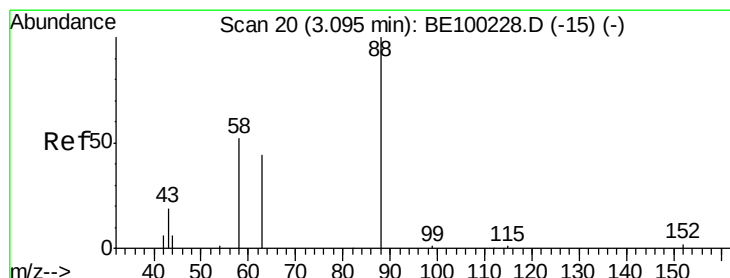
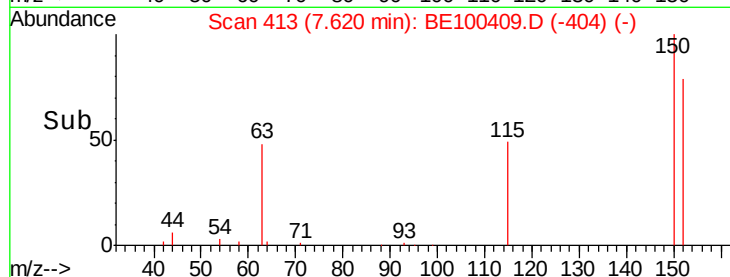
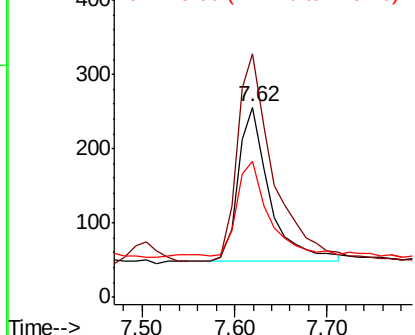
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.62 min Scan# 413
Delta R.T. 0.01 min
Lab File: BE100409.D
Acq: 8 Jul 2019 13:12

Instrument :
BNA_E
ClientSampleId :
PB121046BS

Tot Ion:152 Resp: 493
Ion Ratio Lower Upper
152 100
150 128.1 99.6 149.4
115 71.5 61.4 92.0



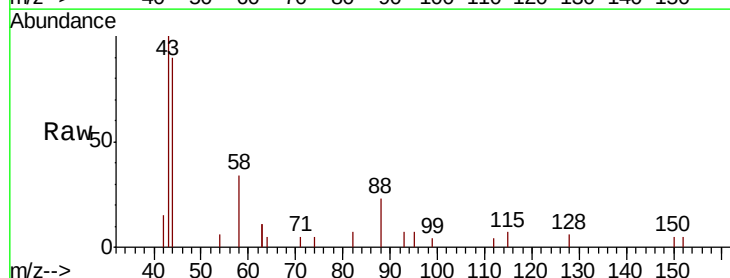
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



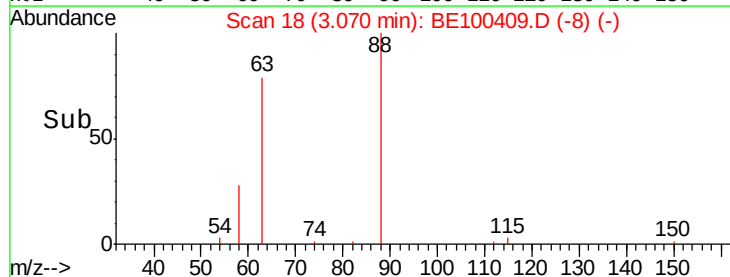
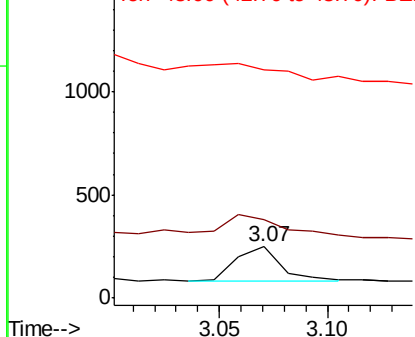
#2

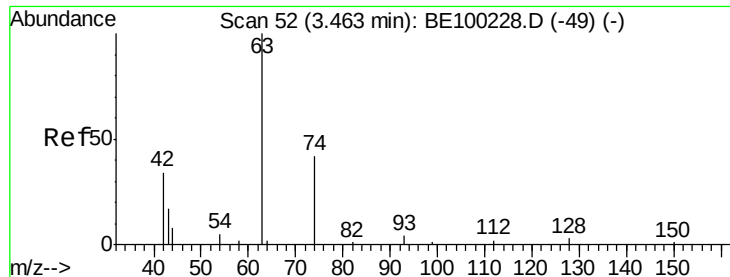
1,4-Dioxane
Concen: 0.314 ng
RT: 3.07 min Scan# 18
Delta R.T. 0.02 min
Lab File: BE100409.D
Acq: 8 Jul 2019 13:12

Tgt Ion: 88 Resp: 240
Ion Ratio Lower Upper
88 100
58 75.0 38.5 57.7#
43 0.0 23.8 35.8#



Abundance Ion 88.00 (87.70 to 88.70): BE1
Ion 58.00 (57.70 to 58.70): BE1
Ion 43.00 (42.70 to 43.70): BE1





#3

n-Nitrosodimethylamine

Concen: 0.367 ng

RT: 3.43 min Scan# 49

Delta R.T. -0.01 min

Lab File: BE100409.D

Acq: 8 Jul 2019 13:12

Instrument :

BNA_E

ClientSampleId :

PB121046BS

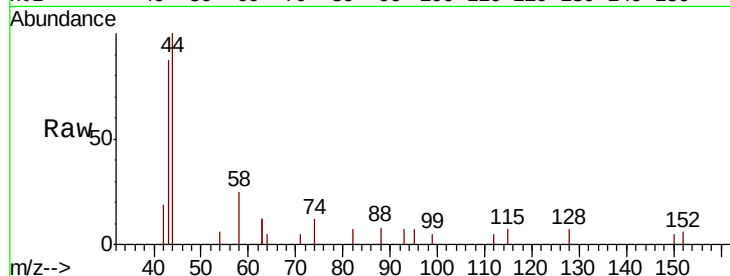
Tot Ion: 42 Resp: 131

Ion Ratio Lower Upper

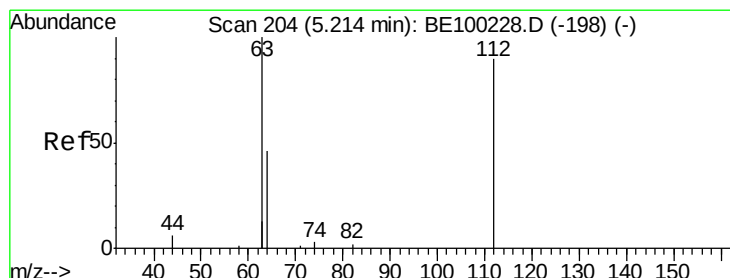
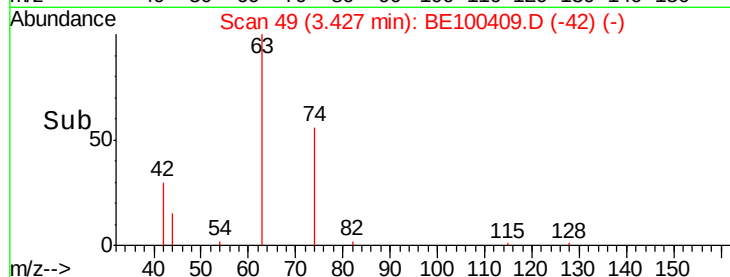
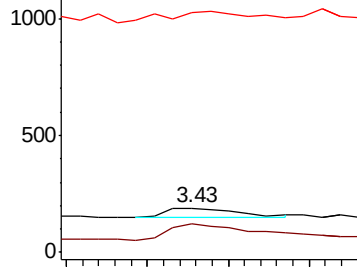
42 100

74 190.1 104.9 157.3#

44 151.9 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: 0.324 ng

RT: 5.21 min Scan# 204

Delta R.T. 0.03 min

Lab File: BE100409.D

Acq: 8 Jul 2019 13:12

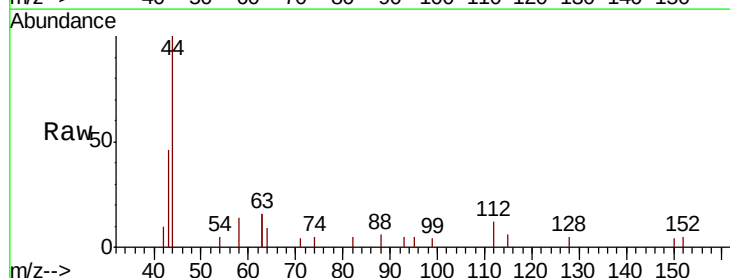
Tgt Ion: 112 Resp: 408

Ion Ratio Lower Upper

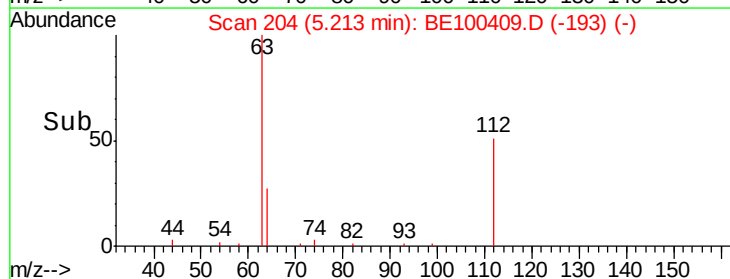
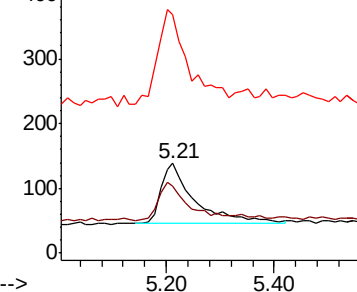
112 100

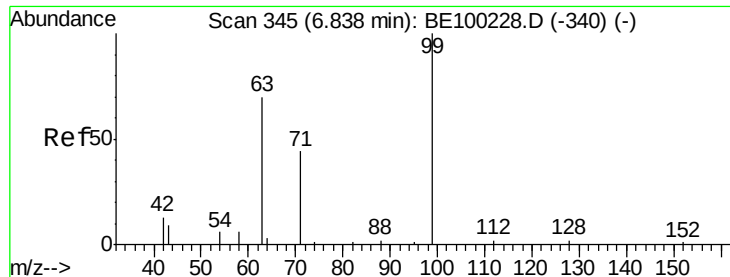
64 54.7 44.7 67.1

63 142.2 89.9 134.9#



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: 0.305 ng

RT: 6.82 min Scan# 344

Delta R.T. -0.03 min

Lab File: BE100409.D

Acq: 8 Jul 2019 13:12

Instrument :

BNA_E

ClientSampleId :

PB121046BS

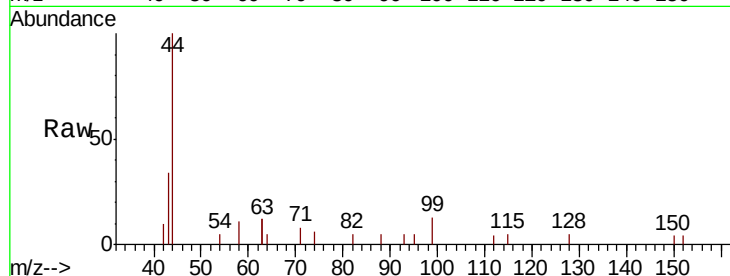
Tot Ion: 99 Resp: 504

Ion Ratio Lower Upper

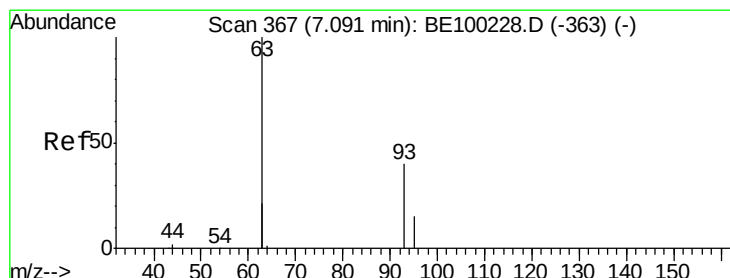
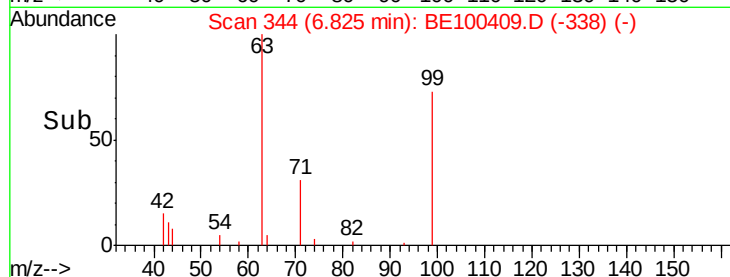
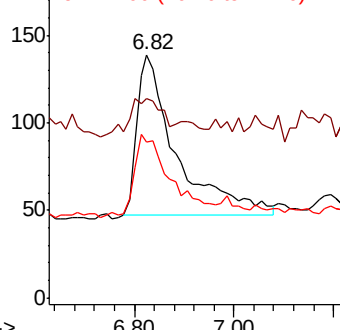
99 100

42 0.0 0.0 0.0

71 0.0 34.6 51.8#



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: 0.243 ng

RT: 7.06 min Scan# 364

Delta R.T. -0.00 min

Lab File: BE100409.D

Acq: 8 Jul 2019 13:12

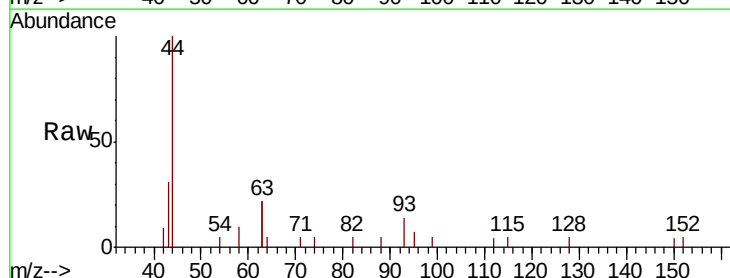
Tgt Ion: 93 Resp: 330

Ion Ratio Lower Upper

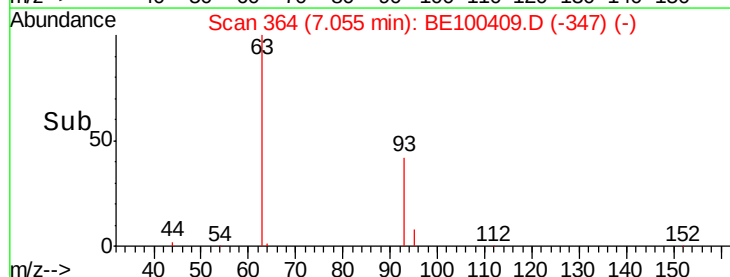
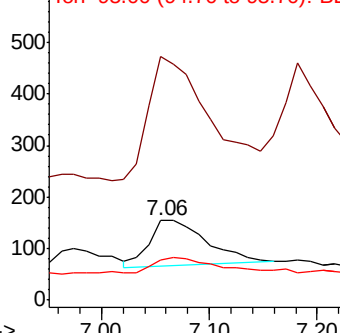
93 100

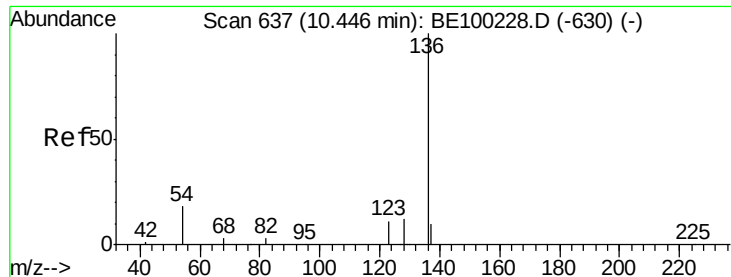
63 294.5 156.0 234.0#

95 49.7 35.4 53.0



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: 10.41 min Scan# 634

Delta R.T. -0.01 min

Lab File: BE100409.D

Acq: 8 Jul 2019 13:12

Instrument :

BNA_E

ClientSampleId :

PB121046BS

Tot Ion:136 Resp: 1492

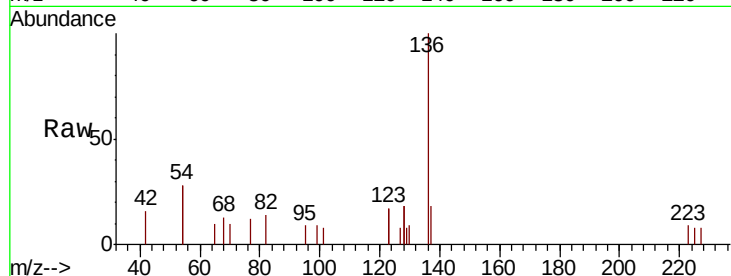
Ion Ratio Lower Upper

136 100

137 18.1 17.4 26.2

54 55.6 59.0 88.4#

68 13.0 14.0 21.0#

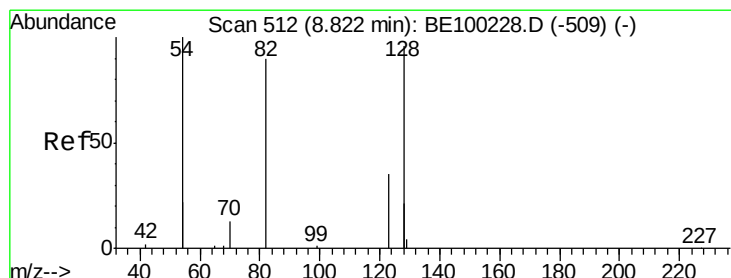
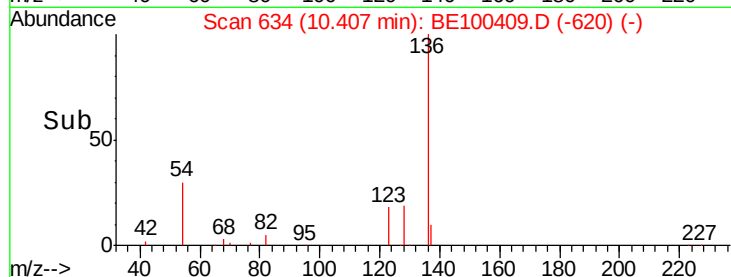
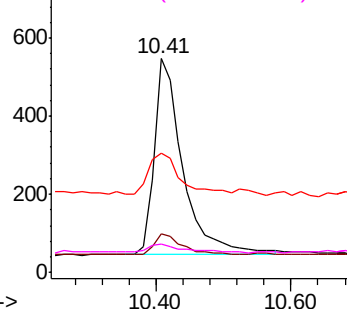


Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BE1

Ion 68.00 (67.70 to 68.70): BE1



#8

Nitrobenzene-d5

Concen: 0.264 ng

RT: 8.80 min Scan# 510

Delta R.T. -0.01 min

Lab File: BE100409.D

Acq: 8 Jul 2019 13:12

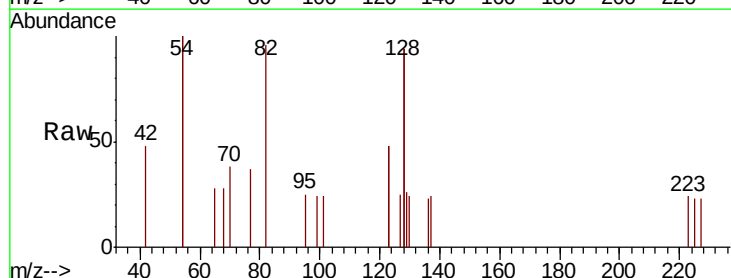
Tgt Ion: 82 Resp: 391

Ion Ratio Lower Upper

82 100

128 194.6 190.6 285.8

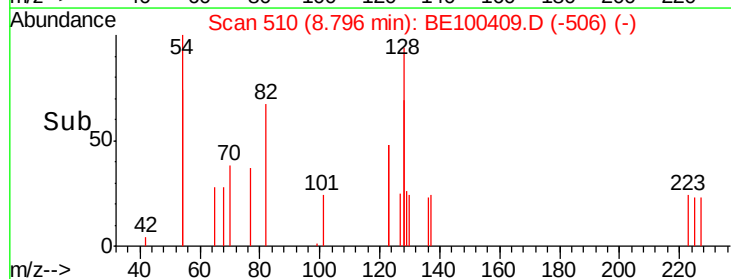
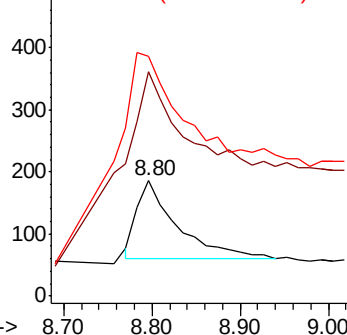
54 207.5 201.5 302.3

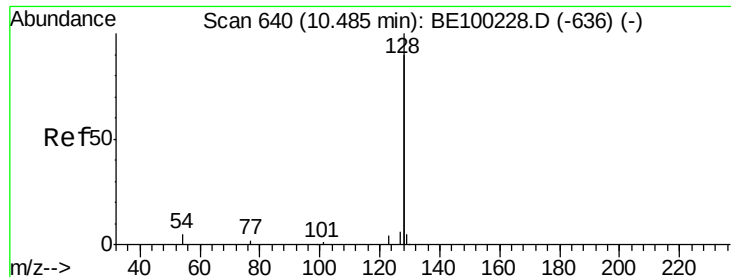


Abundance Ion 82.00 (81.70 to 82.70): BE1

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BE1





#9

Naphthalene

Concen: 0.369 ng

RT: 10.46 min Scan# 638

Delta R.T. -0.01 min

Lab File: BE100409.D

Acq: 8 Jul 2019 13:12

Instrument :

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ClientSampleId :

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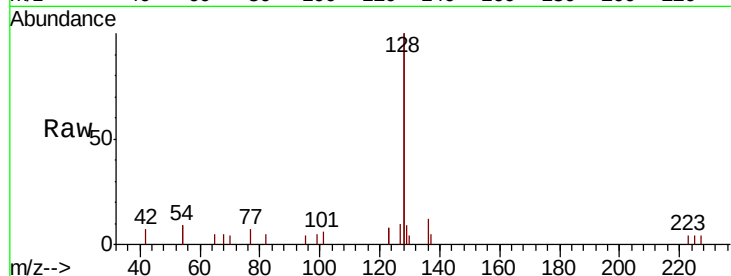
Tot Ion:128 Resp: 6072

Ion Ratio Lower Upper

128 100

129 4.4 4.2 6.2

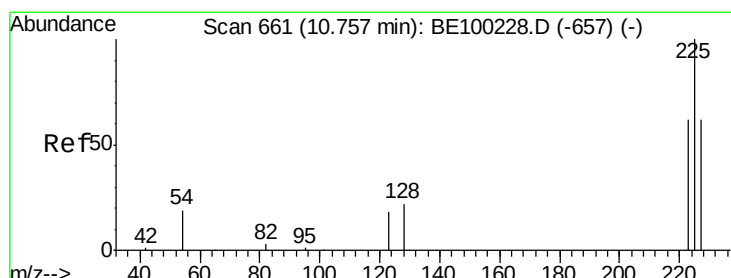
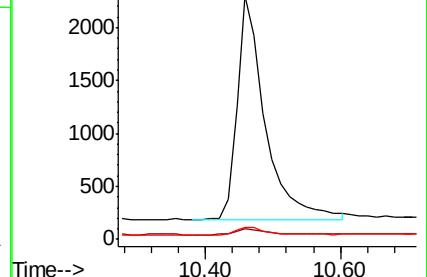
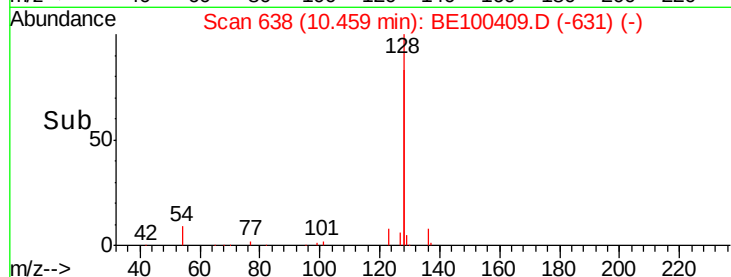
127 4.9 4.4 6.6



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: 0.429 ng

RT: 10.73 min Scan# 659

Delta R.T. 0.00 min

Lab File: BE100409.D

Acq: 8 Jul 2019 13:12

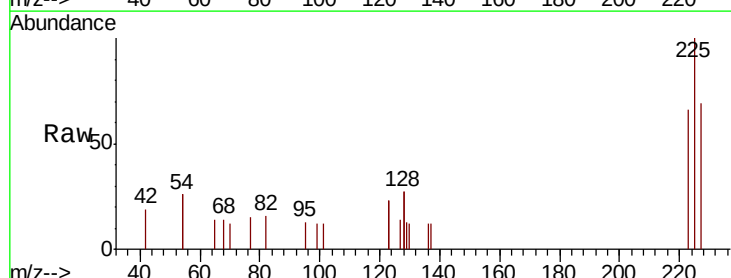
Tgt Ion:225 Resp: 680

Ion Ratio Lower Upper

225 100

223 64.0 48.4 72.6

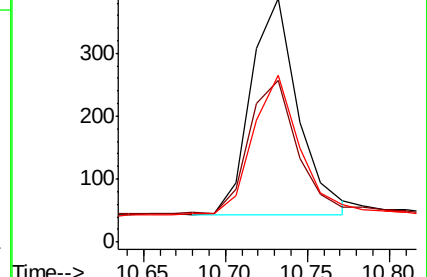
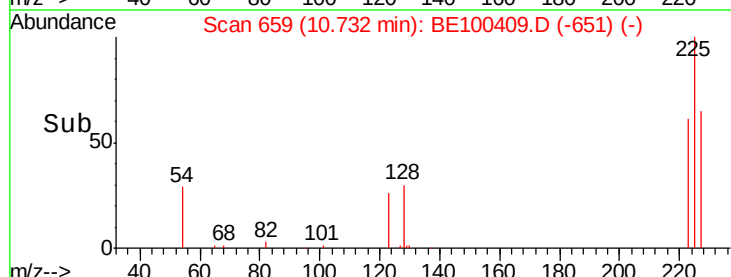
227 64.9 53.8 80.6

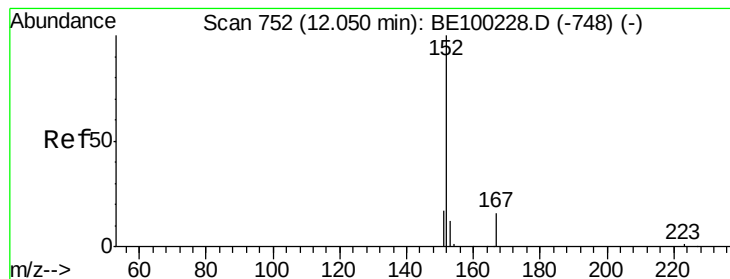


Abundance Ion 225.00 (224.70 to 225.70): E

Ion 223.00 (222.70 to 223.70): E

Ion 227.00 (226.70 to 227.70): E





#11

2-Methylnaphthalene-d10

Concen: 0.586 ng

RT: 12.02 min Scan# 750

Delta R.T. -0.01 min

Lab File: BE100409.D

Acq: 8 Jul 2019 13:12

Instrument :

BNA_E

ClientSampleId :

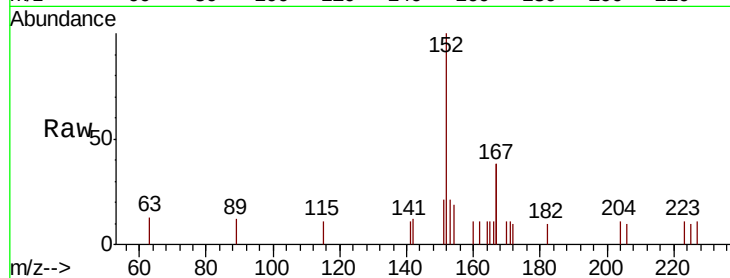
PB121046BS

Tot Ion:152 Resp: 1645

Ion Ratio Lower Upper

152 100

151 11.8 16.8 25.2#



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

12.02

400

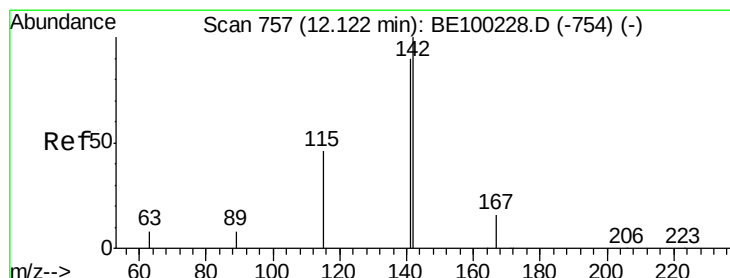
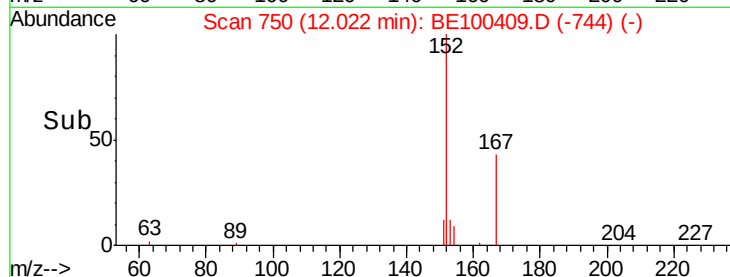
300

200

100

0

Time--> 11.80 12.00 12.20



#12

2-Methylnaphthalene

Concen: 0.291 ng

RT: 12.11 min Scan# 756

Delta R.T. -0.00 min

Lab File: BE100409.D

Acq: 8 Jul 2019 13:12

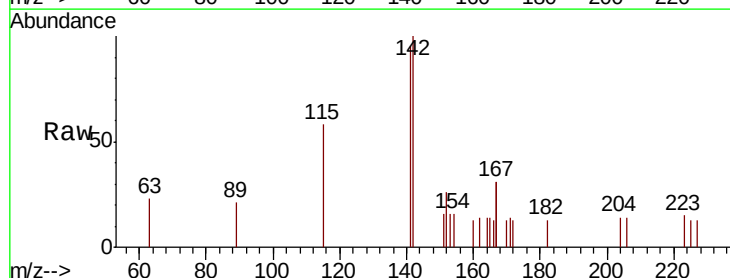
Tgt Ion:142 Resp: 840

Ion Ratio Lower Upper

142 100

141 95.1 71.3 106.9

115 58.4 47.4 71.0



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

12.11

400

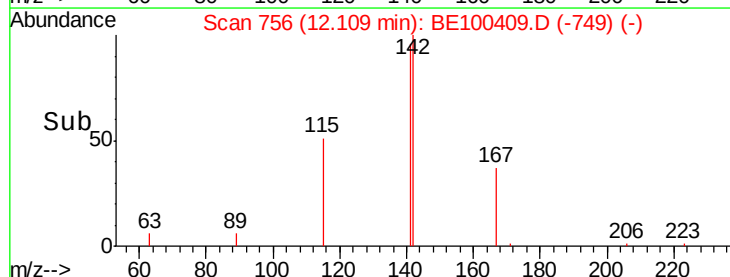
300

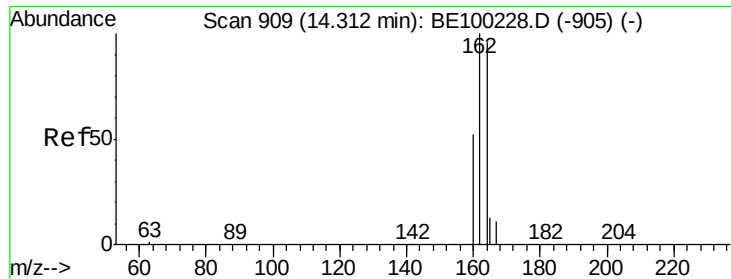
200

100

0

Time--> 12.00 12.10 12.20





#13

Acenaphthene-d10

Concen: 0.400 ng

RT: 14.30 min Scan# 908

Delta R.T. -0.00 min

Lab File: BE100409.D

Acq: 8 Jul 2019 13:12

Instrument :

BNA_E

ClientSampleId :

PB121046BS

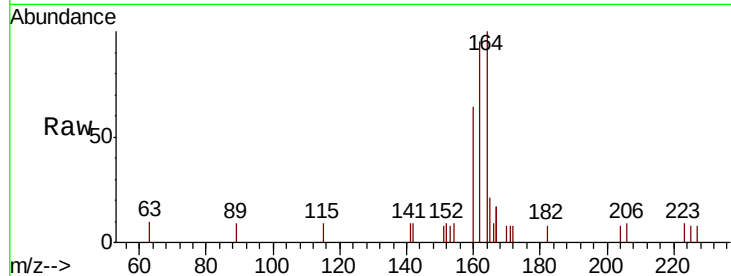
Tot Ion:164 Resp: 927

Ion Ratio Lower Upper

164 100

162 94.8 78.9 118.3

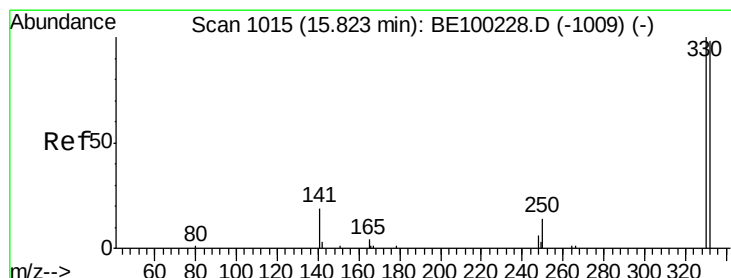
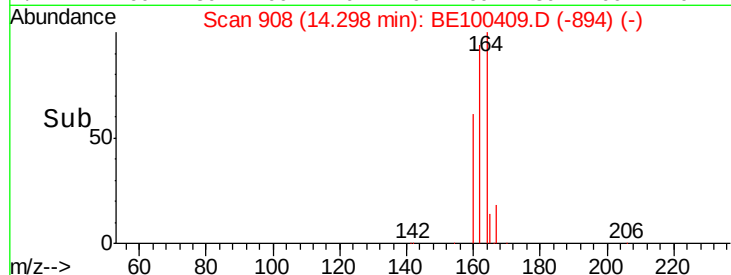
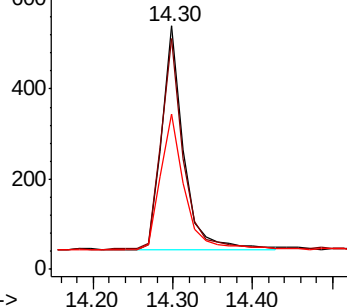
160 63.7 53.7 80.5



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: 0.299 ng

RT: 15.82 min Scan# 1015

Delta R.T. 0.01 min

Lab File: BE100409.D

Acq: 8 Jul 2019 13:12

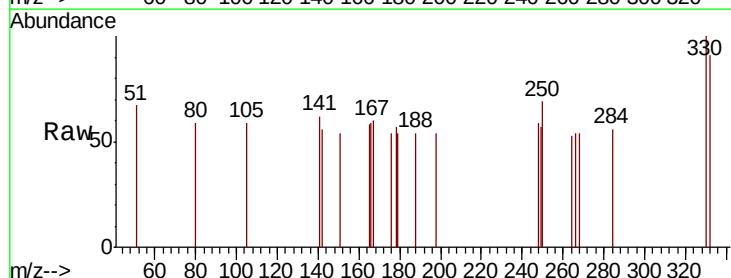
Tgt Ion:330 Resp: 194

Ion Ratio Lower Upper

330 100

332 86.1 75.0 112.4

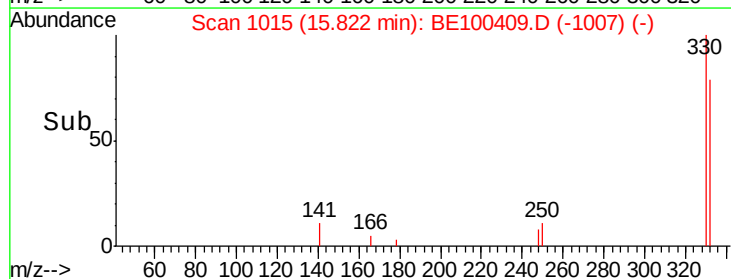
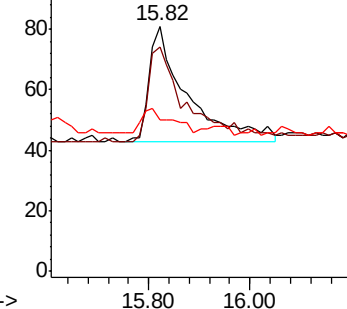
141 18.0 19.0 28.6#

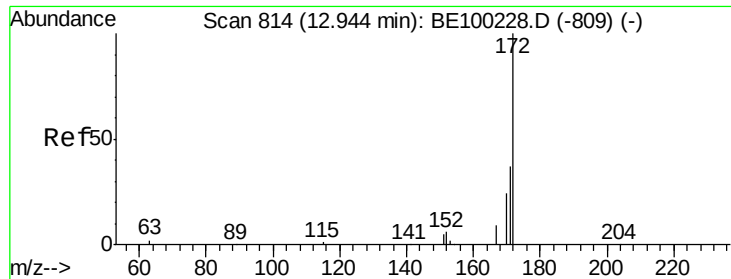


Abundance Ion 330.00 (329.70 to 330.70): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

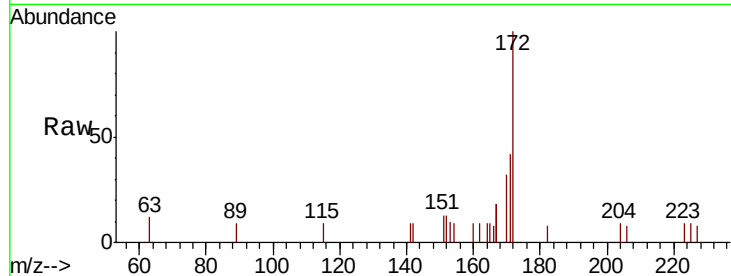




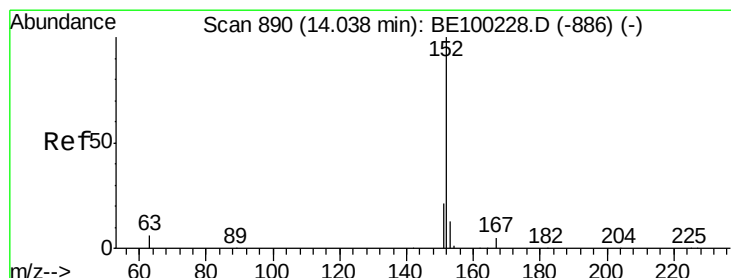
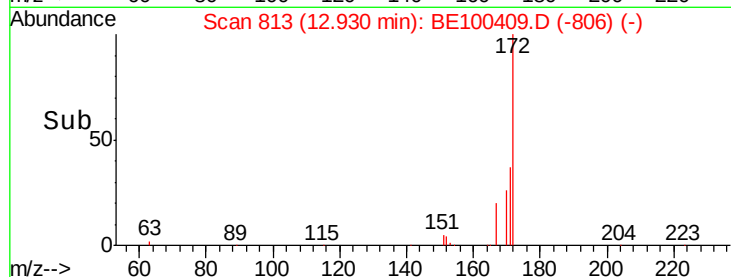
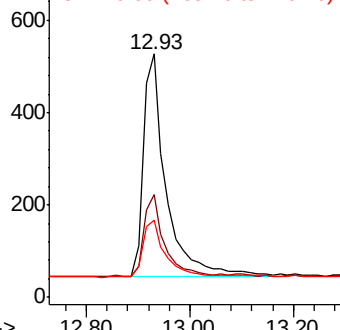
#15
2-Fluorobiphenyl
Concen: 0.409 ng
RT: 12.93 min Scan# 813
Delta R.T. -0.00 min
Lab File: BE100409.D
Acq: 8 Jul 2019 13:12

Instrument :
BNA_E
ClientSampleId :
PB121046BS

Tot Ion:172 Resp: 1479
Ion Ratio Lower Upper
172 100
171 42.3 33.2 49.8
170 31.7 25.9 38.9

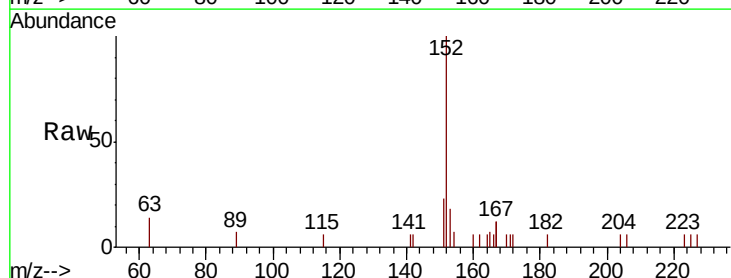


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

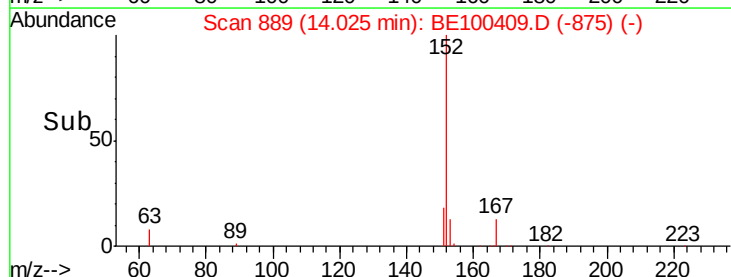
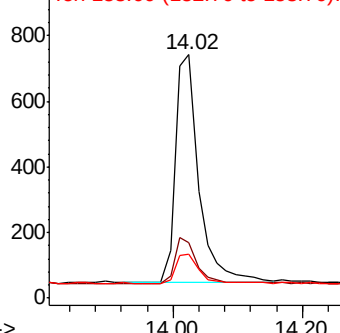


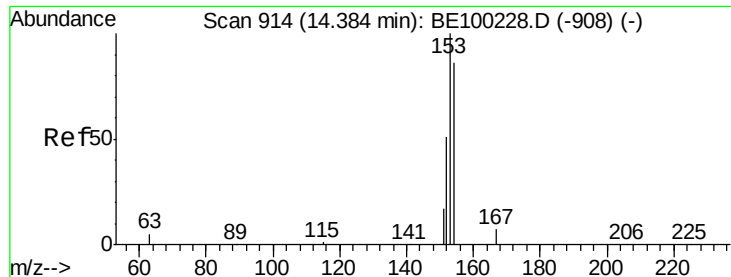
#16
Acenaphthylene
Concen: 0.390 ng
RT: 14.02 min Scan# 889
Delta R.T. -0.00 min
Lab File: BE100409.D
Acq: 8 Jul 2019 13:12

Tgt Ion:152 Resp: 1737
Ion Ratio Lower Upper
152 100
151 19.3 17.0 25.6
153 13.9 11.2 16.8



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

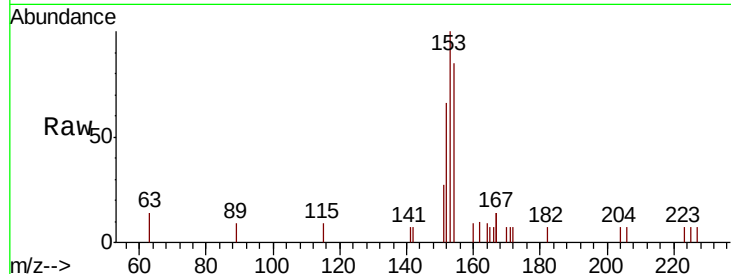




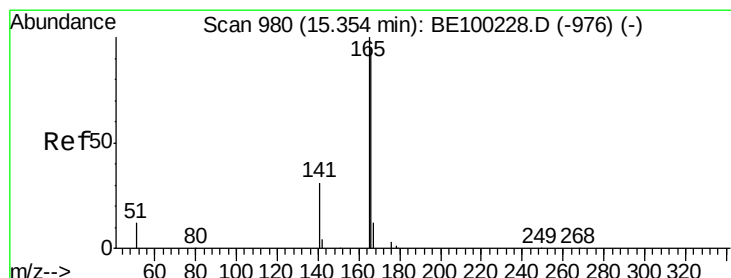
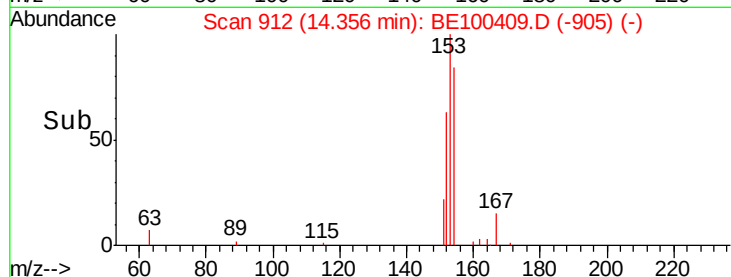
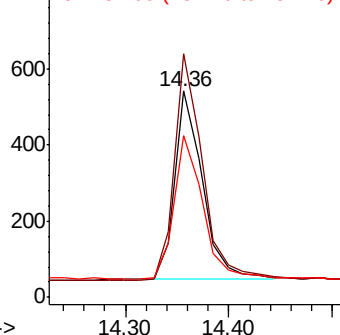
#17
Acenaphthene
Concen: 0.364 ng
RT: 14.36 min Scan# 912
Delta R.T. -0.00 min
Lab File: BE100409.D
Acq: 8 Jul 2019 13:12

Instrument :
BNA_E
ClientSampleId :
PB121046BS

Tot Ion:154 Resp: 918
Ion Ratio Lower Upper
154 100
153 122.3 99.5 149.3
152 80.4 63.7 95.5

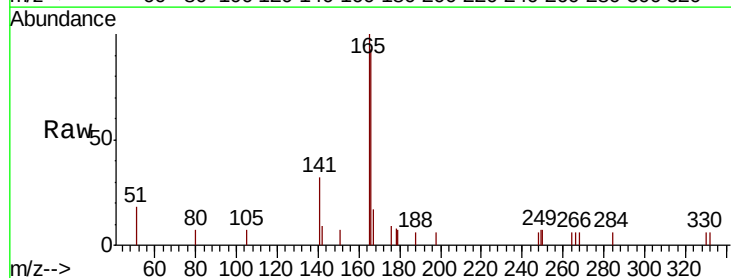


Abundance Ion 154.00 (153.70 to 154.70): E
Ion 153.00 (152.70 to 153.70): E
Ion 152.00 (151.70 to 152.70): E

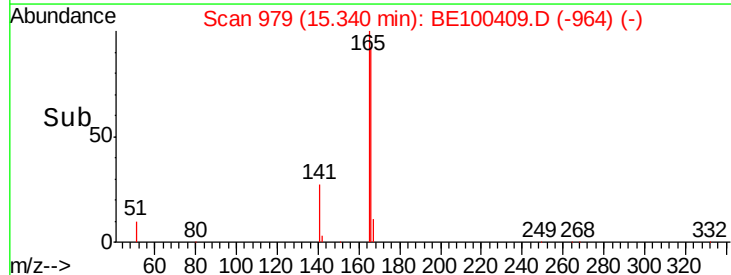
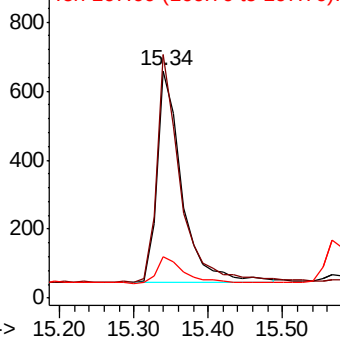


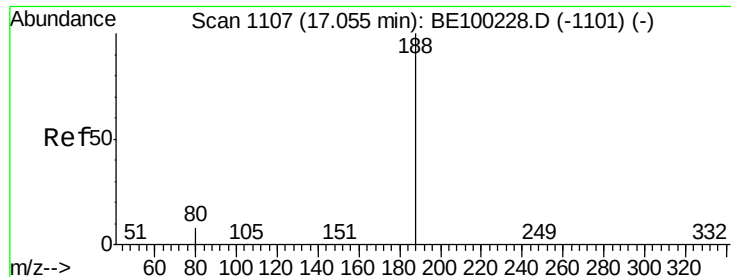
#18
Fluorene
Concen: 0.380 ng
RT: 15.34 min Scan# 979
Delta R.T. 0.00 min
Lab File: BE100409.D
Acq: 8 Jul 2019 13:12

Tgt Ion:166 Resp: 1418
Ion Ratio Lower Upper
166 100
165 102.1 82.3 123.5
167 13.7 9.9 14.9



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





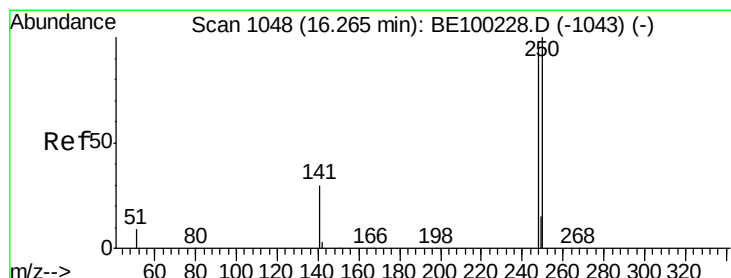
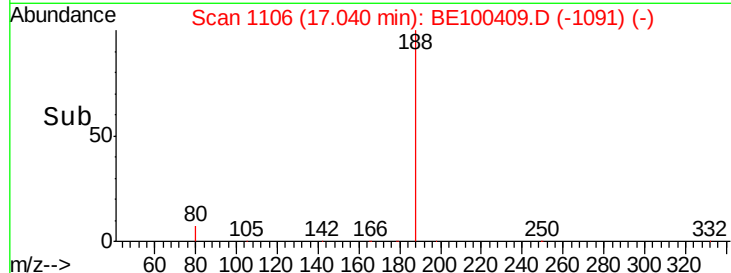
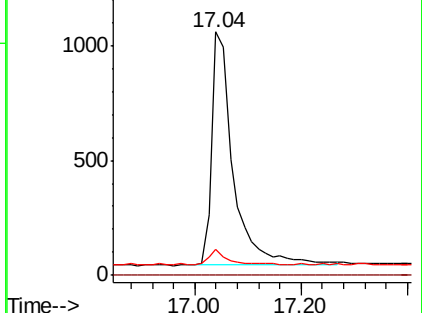
#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.04 min Scan# 1106
Delta R.T. 0.00 min
Lab File: BE100409.D
Acq: 8 Jul 2019 13:12

Instrument :
BNA_E
ClientSampleId :
PB121046BS

Tot Ion:188 Resp: 2825
Ion Ratio Lower Upper
188 100
94 0.0 0.0 0.0
80 10.8 8.8 13.2

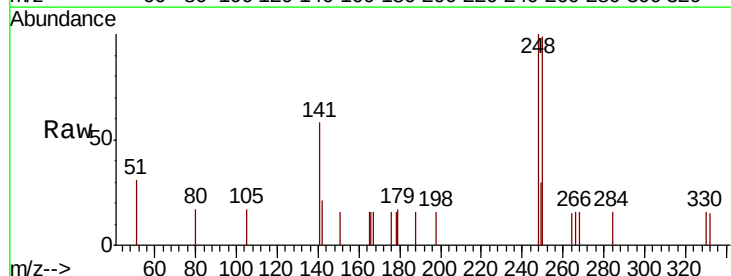


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BE1
Ion 80.00 (79.70 to 80.70): BE1

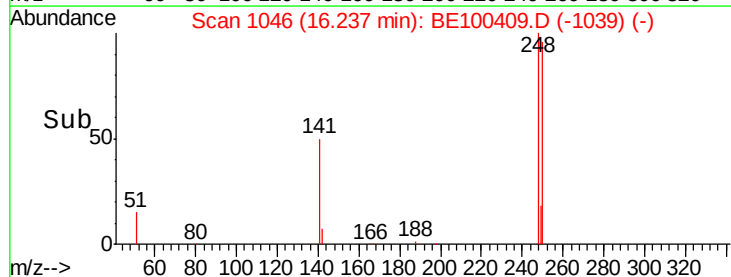
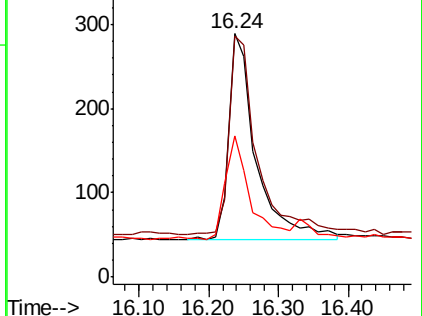


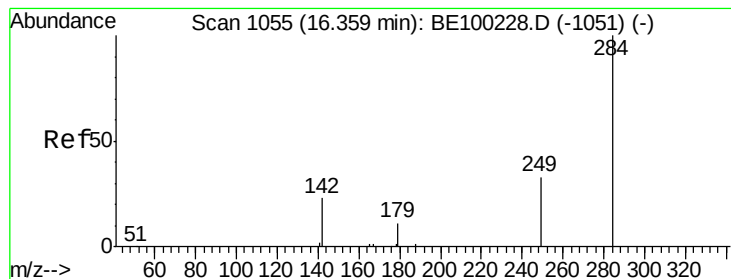
#20
4-Bromophenyl-phenylether
Concen: 0.363 ng
RT: 16.24 min Scan# 1046
Delta R.T. 0.00 min
Lab File: BE100409.D
Acq: 8 Jul 2019 13:12

Tgt Ion:248 Resp: 654
Ion Ratio Lower Upper
248 100
250 99.3 76.4 114.6
141 58.1 45.0 67.4



Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E





#21

Hexachlorobenzene

Concen: 0.408 ng

RT: 16.34 min Scan# 1054

Delta R.T. 0.00 min

Lab File: BE100409.D

Acq: 8 Jul 2019 13:12

Instrument :

BNA_E

ClientSampleId :

PB121046BS

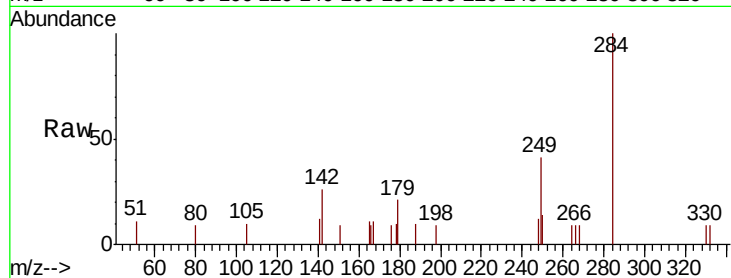
Tot Ion:284 Resp: 763

Ion Ratio Lower Upper

284 100

142 23.2 18.6 28.0

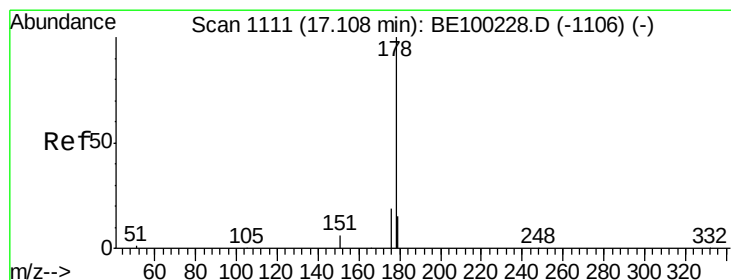
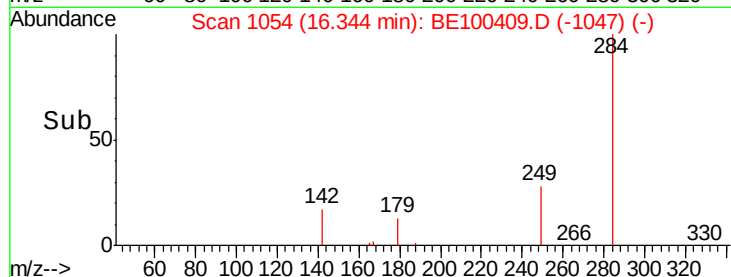
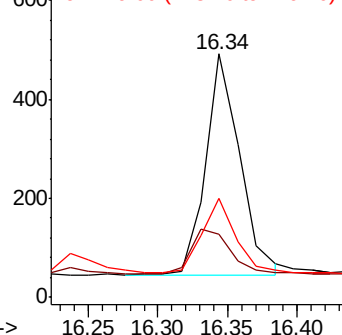
249 33.0 24.6 37.0



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



#23

Phenanthrene

Concen: 0.347 ng

RT: 17.09 min Scan# 1110

Delta R.T. 0.01 min

Lab File: BE100409.D

Acq: 8 Jul 2019 13:12

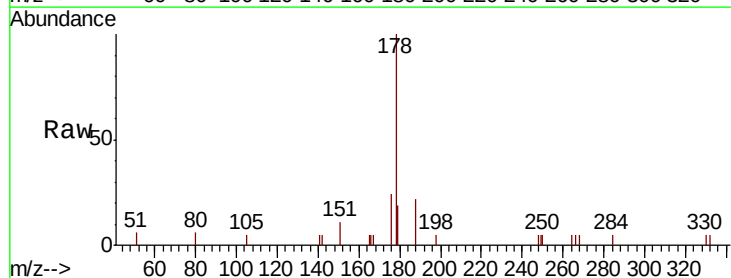
Tgt Ion:178 Resp: 2374

Ion Ratio Lower Upper

178 100

176 19.7 15.9 23.9

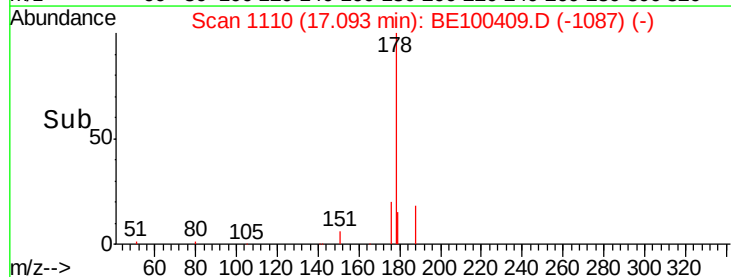
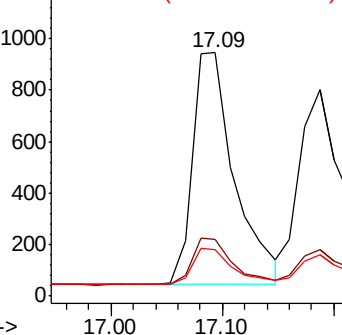
179 15.5 12.6 18.8

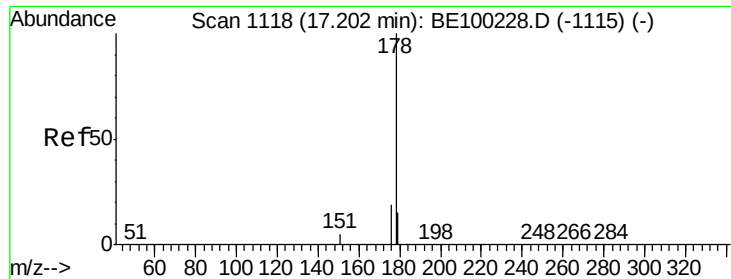


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#24

Anthracene

Concen: 0.300 ng

RT: 17.19 min Scan# 1117

Delta R.T. 0.00 min

Lab File: BE100409.D

Acq: 8 Jul 2019 13:12

Instrument :

BNA_E

ClientSampleId :

PB121046BS

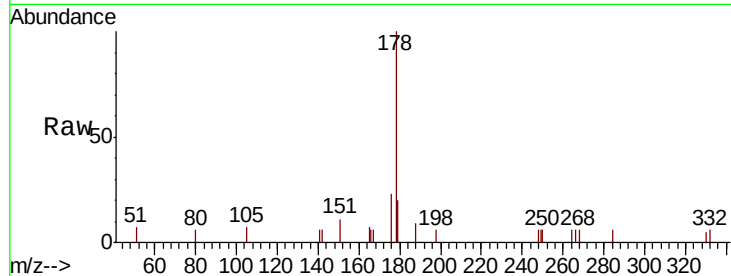
Tot Ion:178 Resp: 1849

Ion Ratio Lower Upper

178 100

176 19.3 14.5 21.7

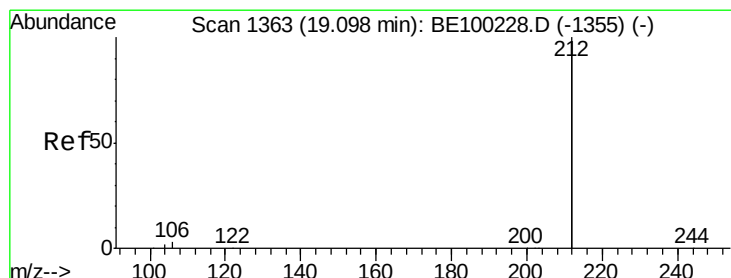
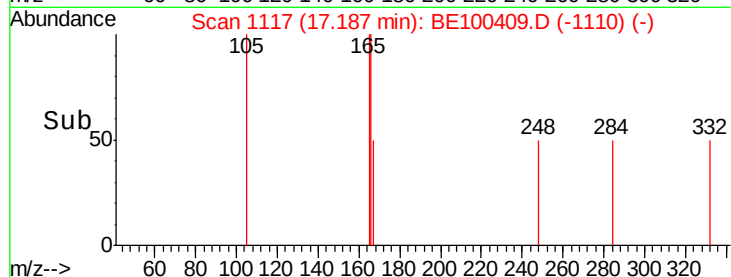
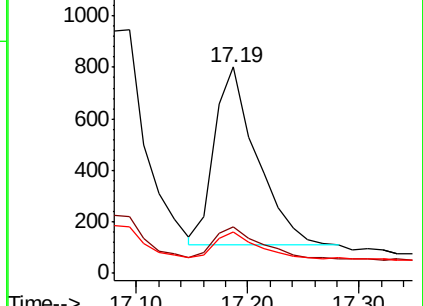
179 14.7 11.6 17.4



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: 0.335 ng

RT: 19.08 min Scan# 1360

Delta R.T. 0.00 min

Lab File: BE100409.D

Acq: 8 Jul 2019 13:12

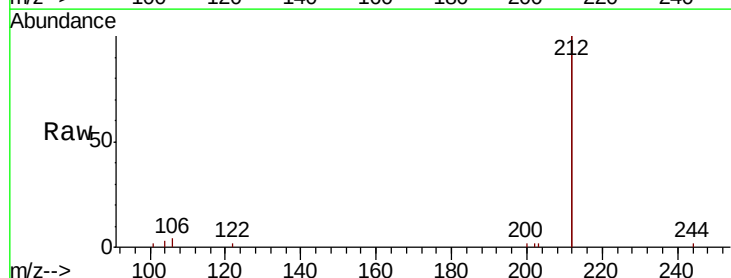
Tgt Ion:212 Resp: 13721

Ion Ratio Lower Upper

212 100

106 1.3 1.0 1.4

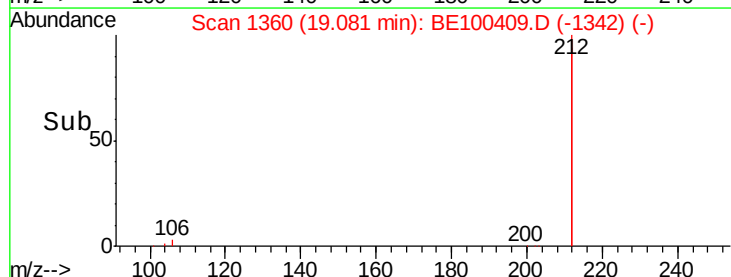
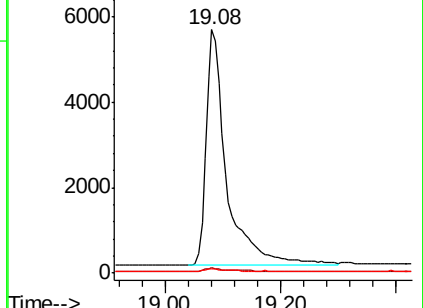
104 0.8 0.6 1.0

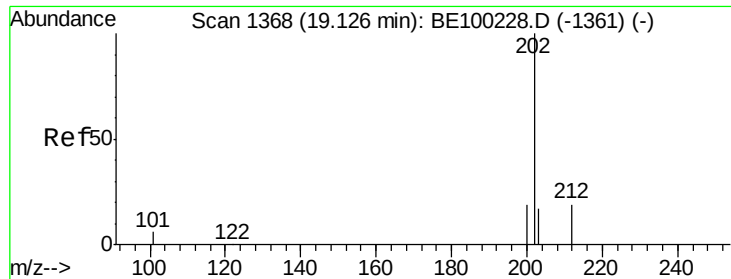


Abundance Ion 212.00 (211.70 to 212.70): E

Ion 106.00 (105.70 to 106.70): E

Ion 104.00 (103.70 to 104.70): E

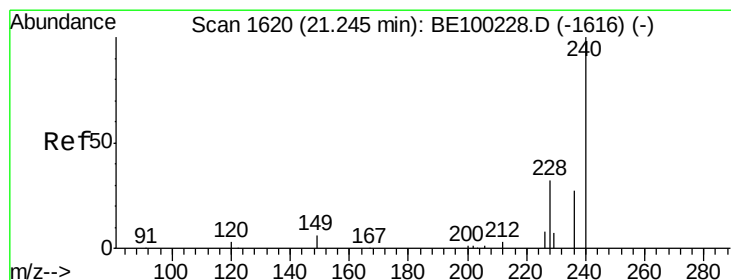
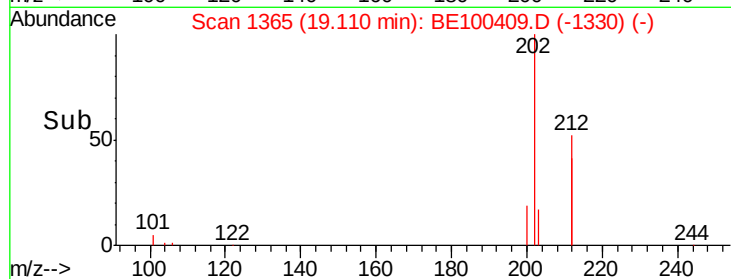
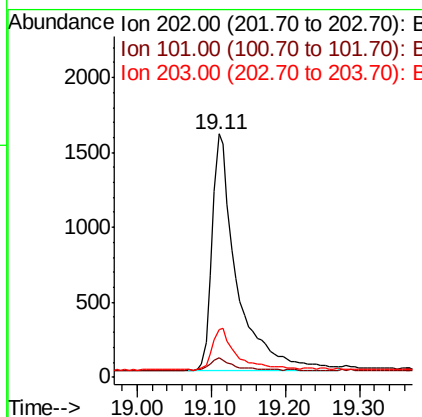
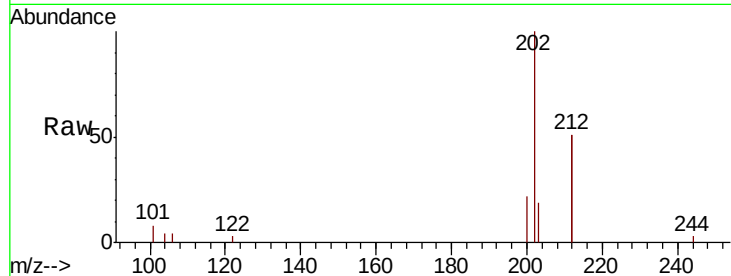




#26
Fluoranthene
Concen: 0.336 ng
RT: 19.11 min Scan# 1365
Delta R.T. 0.00 min
Lab File: BE100409.D
Acq: 8 Jul 2019 13:12

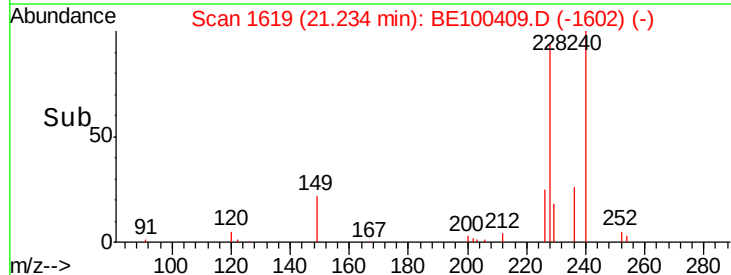
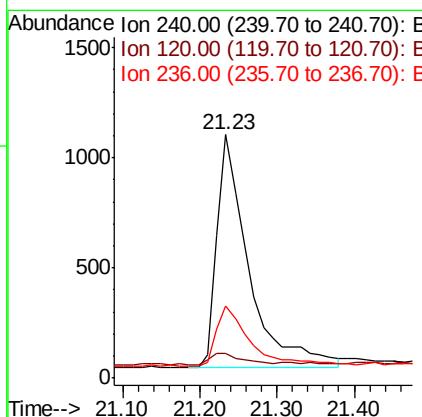
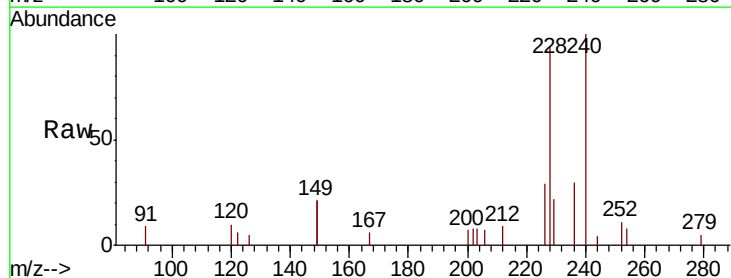
Instrument :
BNA_E
ClientSampleId :
PB121046BS

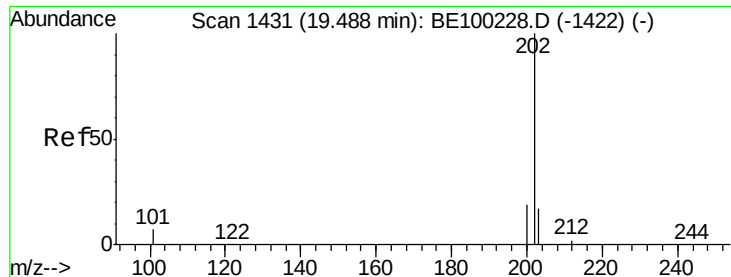
Tot Ion:202 Resp: 3664
Ion Ratio Lower Upper
202 100
101 5.1 4.2 6.2
203 17.1 13.7 20.5



#27
Chrysene-d12
Concen: 0.400 ng
RT: 21.23 min Scan# 1619
Delta R.T. 0.00 min
Lab File: BE100409.D
Acq: 8 Jul 2019 13:12

Tgt Ion:240 Resp: 3032
Ion Ratio Lower Upper
240 100
120 10.0 5.4 8.2#
236 29.7 23.2 34.8

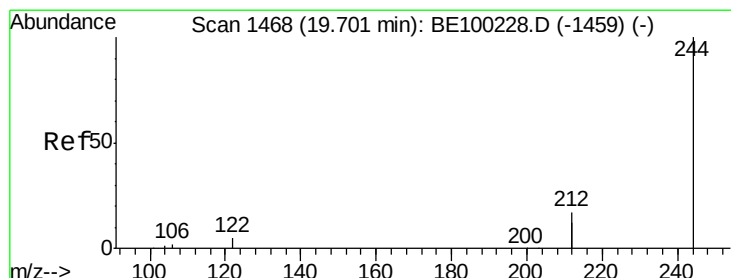
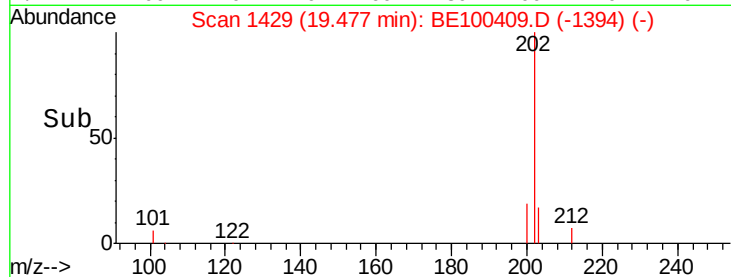
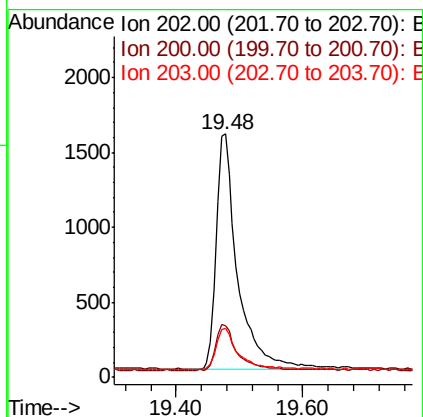
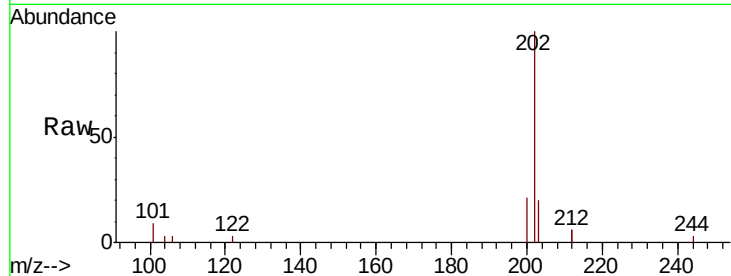




#28
Pvrene
Concen: 0.462 ng
RT: 19.48 min Scan# 1429
Delta R.T. 0.00 min
Lab File: BE100409.D
Acq: 8 Jul 2019 13:12

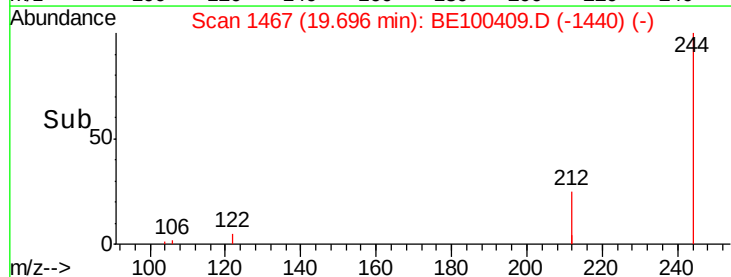
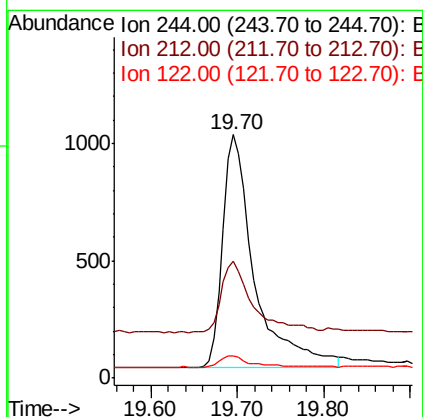
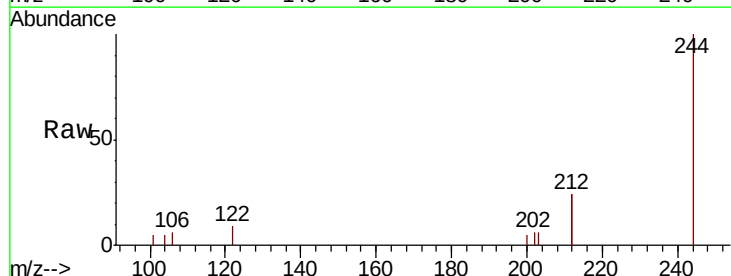
Instrument :
BNA_E
ClientSampleId :
PB121046BS

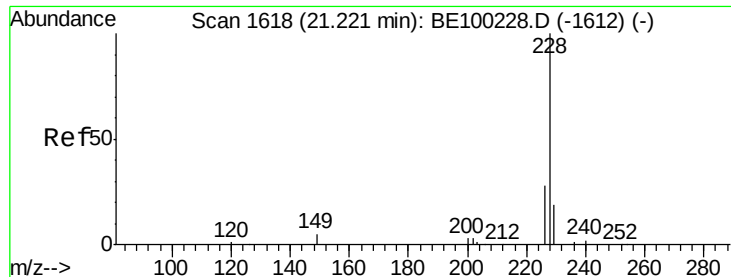
Tot Ion:202 Resp: 3706
Ion Ratio Lower Upper
202 100
200 19.1 15.2 22.8
203 17.5 14.1 21.1



#29
Terphenyl-d14
Concen: 0.405 ng
RT: 19.70 min Scan# 1467
Delta R.T. 0.01 min
Lab File: BE100409.D
Acq: 8 Jul 2019 13:12

Tgt Ion:244 Resp: 2545
Ion Ratio Lower Upper
244 100
212 48.0 33.0 49.6
122 9.0 5.8 8.8#





#30

Benzo(a)anthracene

Concen: 0.326 ng

RT: 21.22 min Scan# 1618

Delta R.T. 0.00 min

Lab File: BE100409.D

Acq: 8 Jul 2019 13:12

Instrument :

BNA_E

ClientSampleId :

PB121046BS

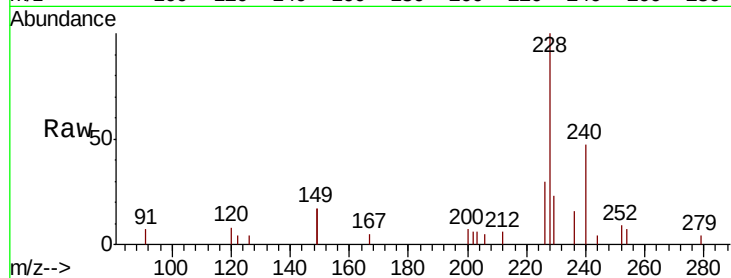
Tot Ion:228 Resp: 3247

Ion Ratio Lower Upper

228 100

226 29.6 22.0 33.0

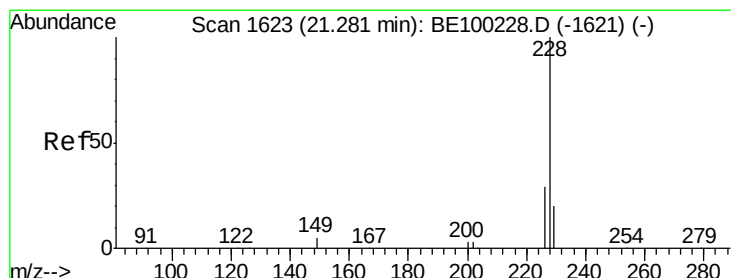
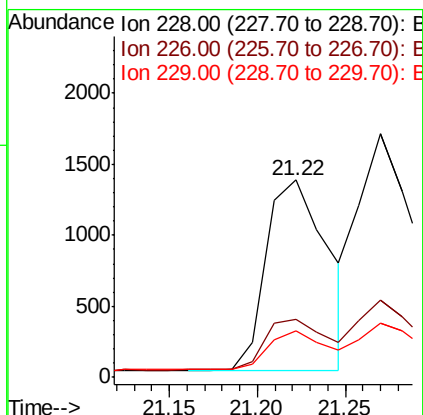
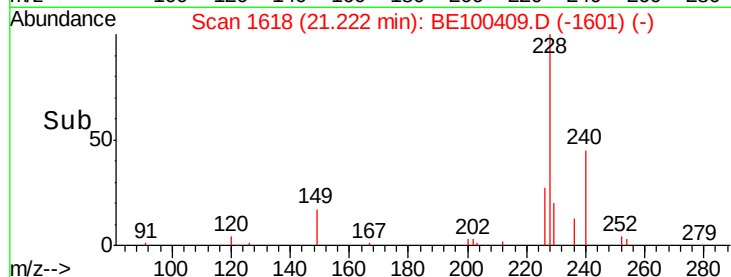
229 23.4 17.4 26.0



Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#31

Chrysene

Concen: 0.366 ng

RT: 21.27 min Scan# 1622

Delta R.T. 0.00 min

Lab File: BE100409.D

Acq: 8 Jul 2019 13:12

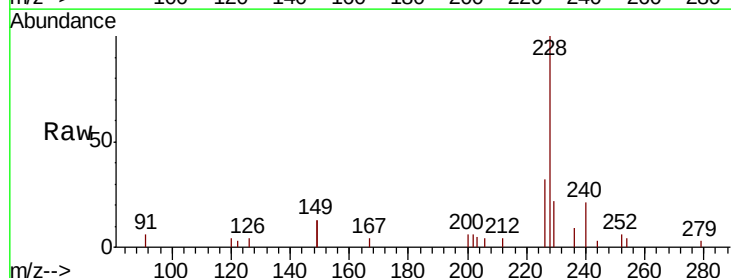
Tgt Ion:228 Resp: 3659

Ion Ratio Lower Upper

228 100

226 31.7 25.0 37.6

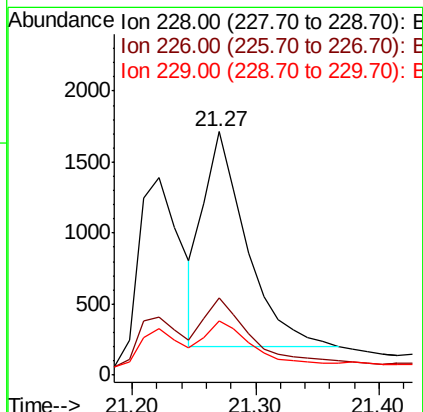
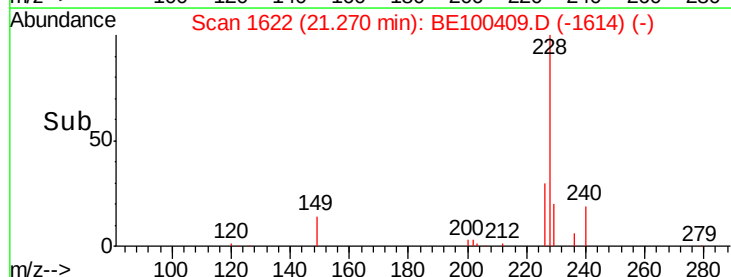
229 22.5 16.9 25.3

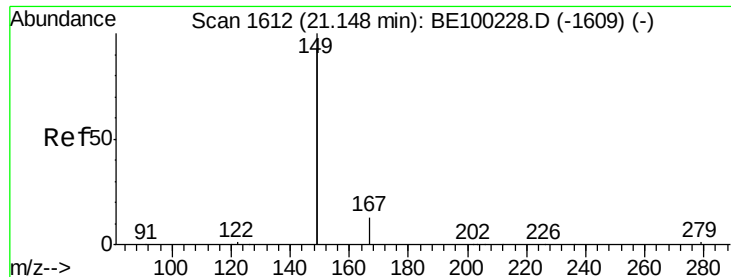


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#32

Bis(2-ethylhexyl)phthalate

Concen: 0.229 ng

RT: 21.12 min Scan# 1610

Delta R.T. -0.01 min

Lab File: BE100409.D

Acq: 8 Jul 2019 13:12

Instrument :

BNA_E

ClientSampleId :

PB121046BS

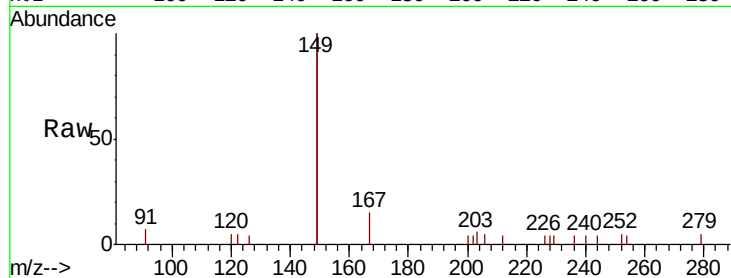
Tot Ion:149 Resp: 4035

Ion Ratio Lower Upper

149 100

167 6.9 5.7 8.5

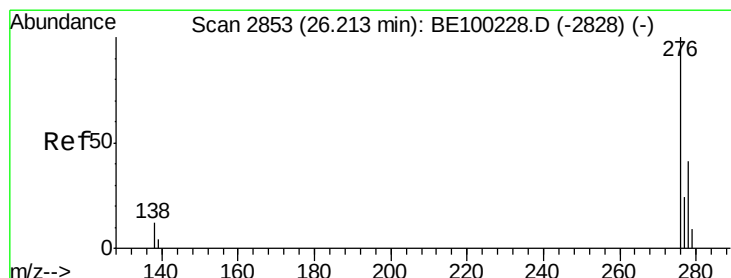
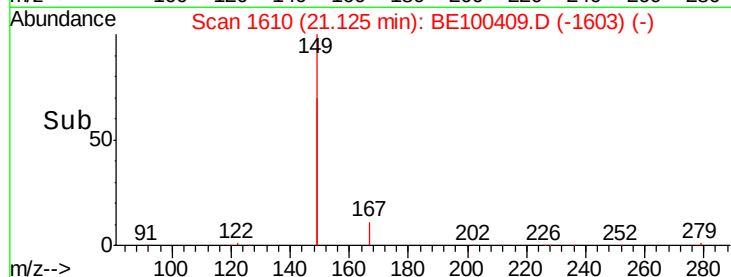
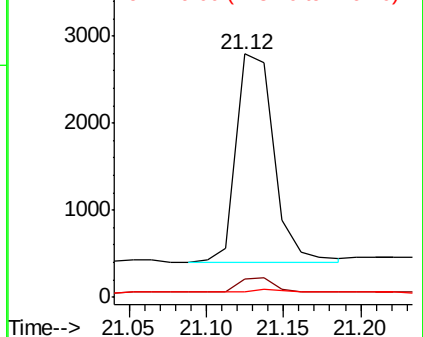
279 1.5 1.4 2.0



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: 0.504 ng

RT: 26.18 min Scan# 2845

Delta R.T. 0.00 min

Lab File: BE100409.D

Acq: 8 Jul 2019 13:12

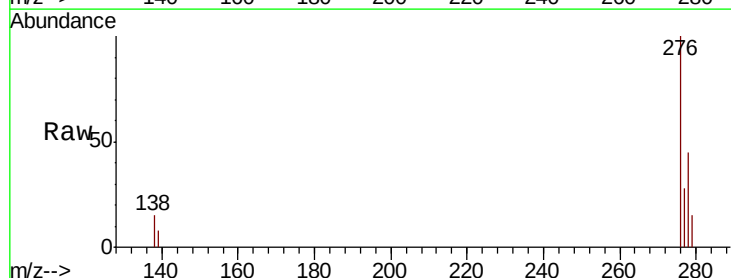
Tgt Ion:276 Resp: 6673

Ion Ratio Lower Upper

276 100

138 11.1 7.6 11.4

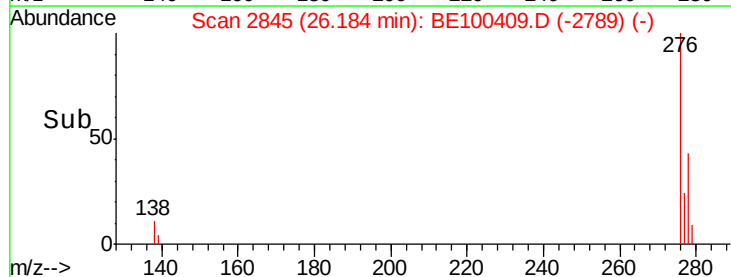
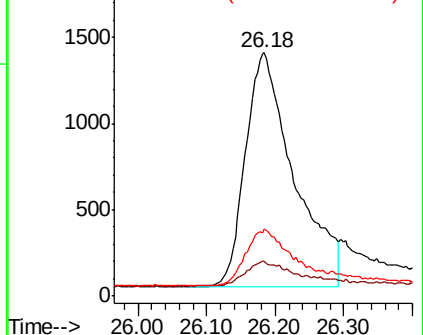
277 23.6 20.0 30.0

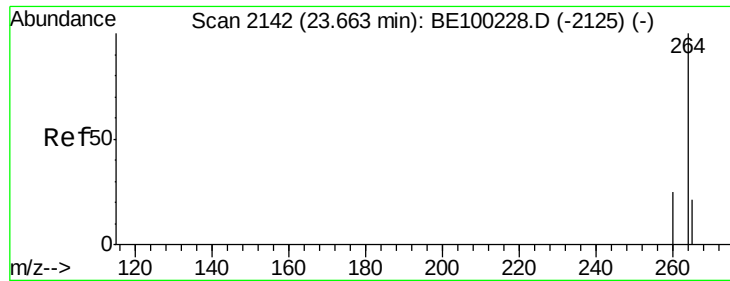


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E

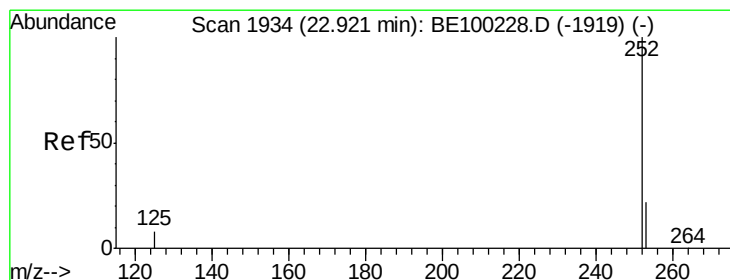
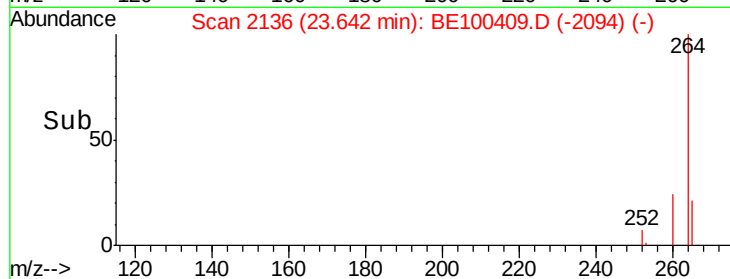
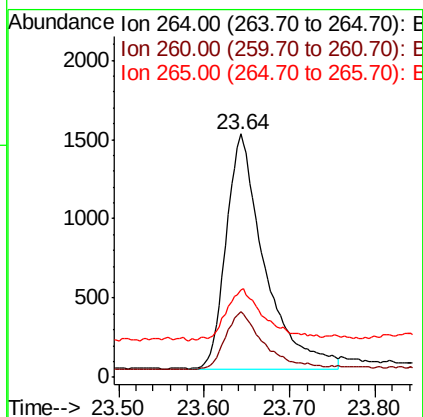
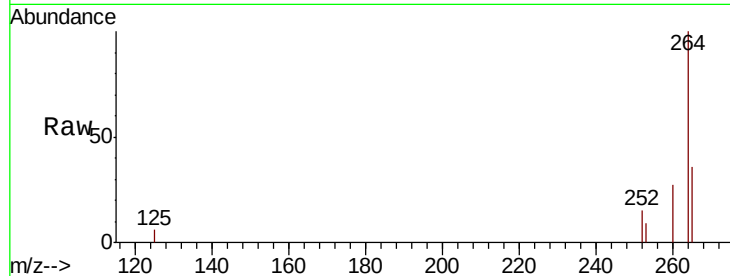




#34
Pervlene-d12
Concen: 0.400 ng
RT: 23.64 min Scan# 2136
Delta R.T. 0.00 min
Lab File: BE100409.D
Acq: 8 Jul 2019 13:12

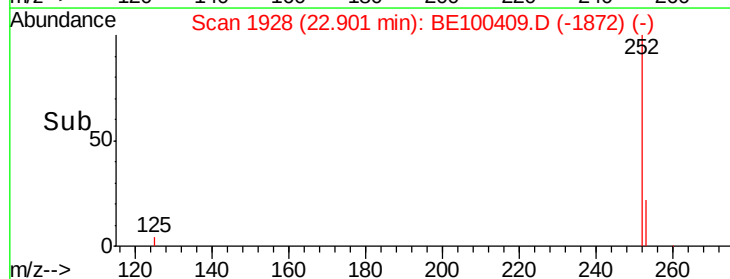
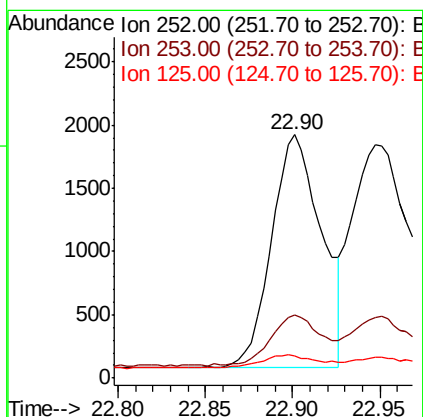
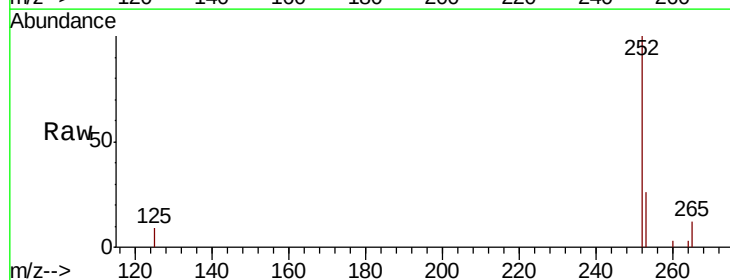
Instrument :
BNA_E
ClientSampleId :
PB121046BS

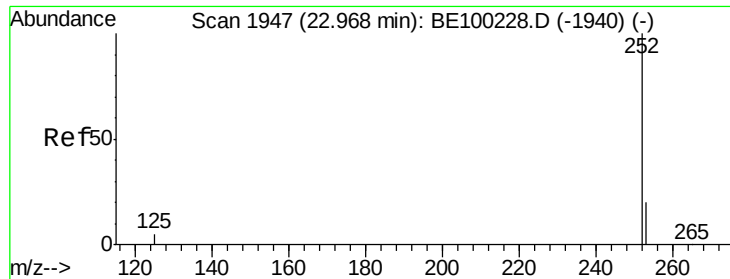
Tot Ion:264 Resp: 4602
Ion Ratio Lower Upper
264 100
260 26.9 22.0 33.0
265 36.1 26.0 39.0



#35
Benzo(b)fluoranthene
Concen: 0.293 ng
RT: 22.90 min Scan# 1928
Delta R.T. 0.00 min
Lab File: BE100409.D
Acq: 8 Jul 2019 13:12

Tgt Ion:252 Resp: 3657
Ion Ratio Lower Upper
252 100
253 25.7 20.0 30.0
125 8.8 6.3 9.5

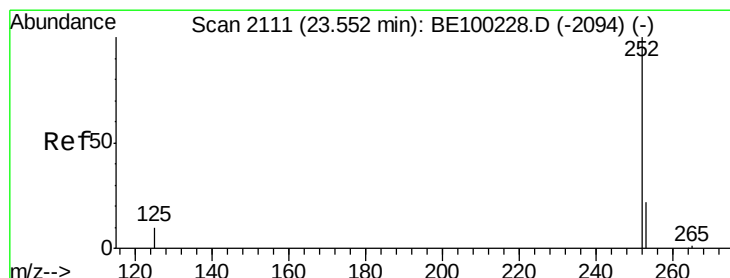
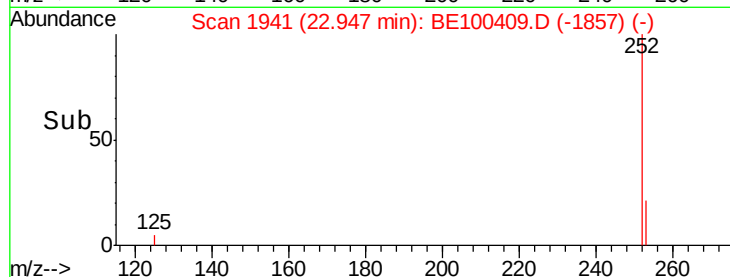
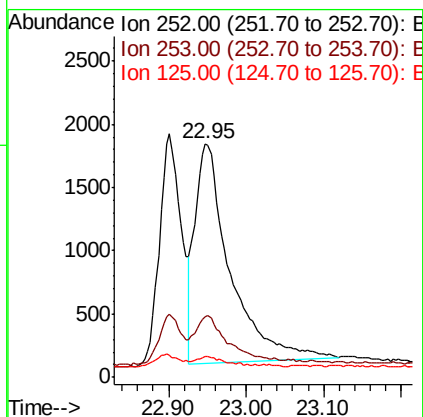
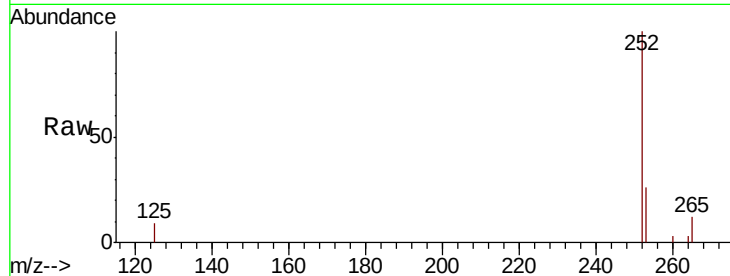




#36
Benzo(k)fluoranthene
Concen: 0.390 ng
RT: 22.95 min Scan# 1941
Delta R.T. 0.00 min
Lab File: BE100409.D
Acq: 8 Jul 2019 13:12

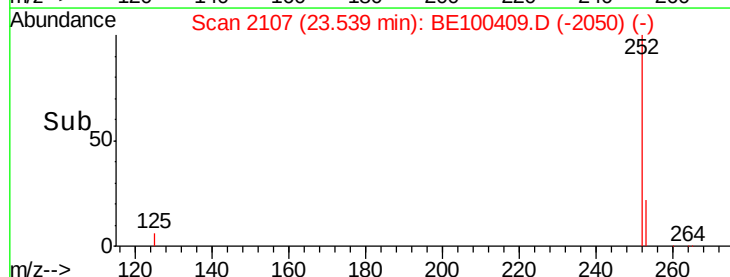
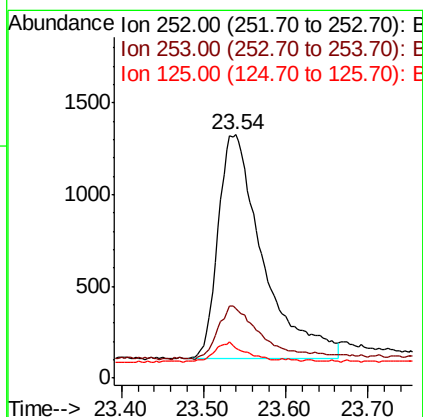
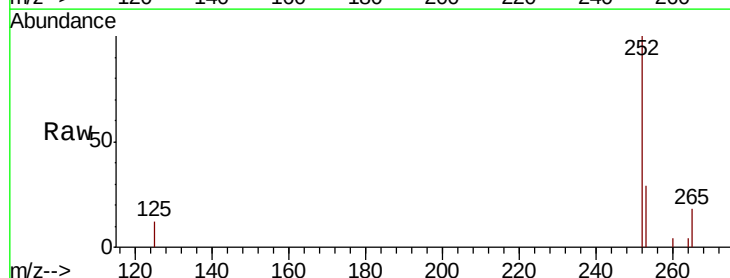
Instrument :
BNA_E
ClientSampleId :
PB121046BS

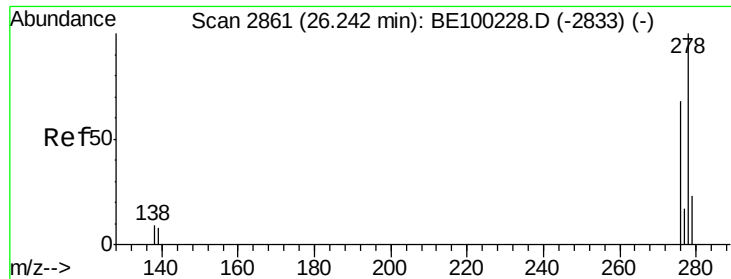
Tot Ion:252 Resp: 5427
Ion Ratio Lower Upper
252 100
253 25.8 19.5 29.3
125 8.9 5.4 8.0#



#37
Benzo(a)pyrene
Concen: 0.370 ng
RT: 23.54 min Scan# 2107
Delta R.T. 0.00 min
Lab File: BE100409.D
Acq: 8 Jul 2019 13:12

Tgt Ion:252 Resp: 4628
Ion Ratio Lower Upper
252 100
253 28.5 21.0 31.6
125 12.0 7.8 11.8#





#38

Dibenzo(a,h)anthracene

Concen: 0.441 ng

RT: 26.21 min Scan# 2853

Delta R.T. 0.01 min

Lab File: BE100409.D

Acq: 8 Jul 2019 13:12

Instrument :

BNA_E

ClientSampleId :

PB121046BS

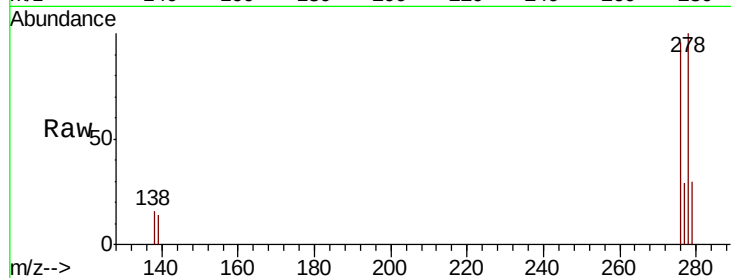
Tot Ion:278 Resp: 5761

Ion Ratio Lower Upper

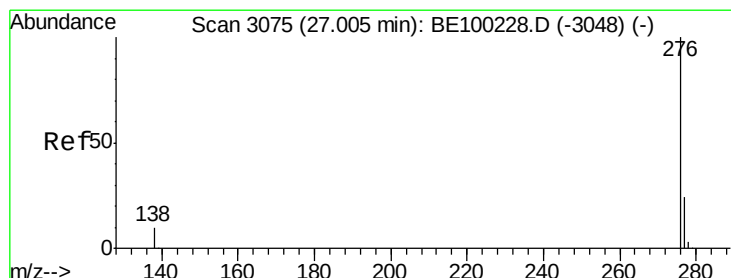
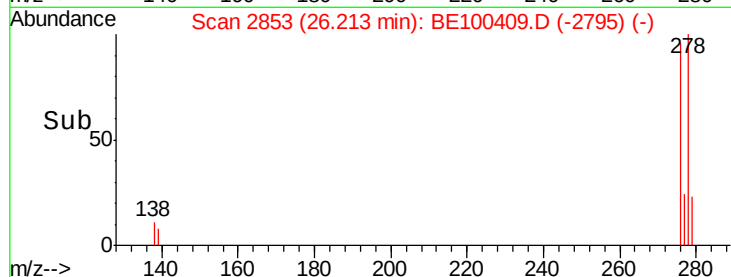
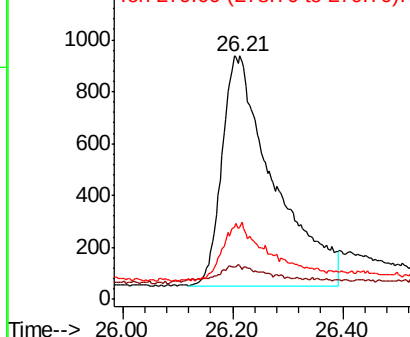
278 100

139 14.0 9.8 14.8

279 29.9 22.6 34.0



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: 0.541 ng

RT: 26.96 min Scan# 3062

Delta R.T. -0.01 min

Lab File: BE100409.D

Acq: 8 Jul 2019 13:12

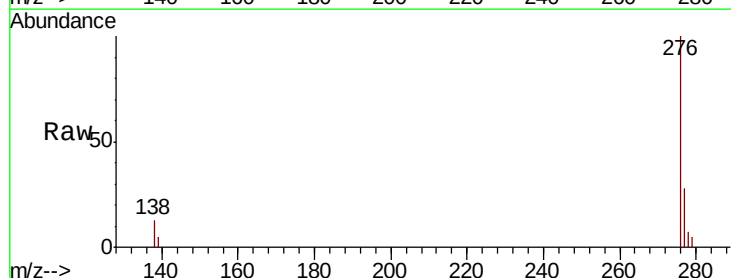
Tgt Ion:276 Resp: 7256

Ion Ratio Lower Upper

276 100

277 27.8 20.7 31.1

138 12.8 10.2 15.2



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

