

Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE121619\
 Data File : BE100935.D
 Acq On : 17 Dec 2019 1:36
 Operator : JU
 Sample : PB125440BS
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 PB125440BS

Quant Time: Dec 17 06:20:45 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA E\METHODS\8270-SIM-BE120419.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Dec 13 10:42:38 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.76	152	4573	0.40	ng	0.00
7) Naphthalene-d8	10.54	136	19046	0.40	ng	0.00
13) Acenaphthene-d10	14.38	164	9555	0.40	ng	0.00
19) Phenanthrene-d10	17.12	188	22684	0.40	ng	0.00
27) Chrysene-d12	21.29	240	23322	0.40	ng	-0.01
34) Perylene-d12	23.74	264	23152	0.40	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Fluorophenol	5.36	112	5117	0.47	ng	0.00
5) Phenol-d6	6.93	99	7993	0.49	ng	0.00
8) Nitrobenzene-d5	8.90	82	5425	0.60	ng	0.00
11) 2-Methylnaphthalene-d10	12.12	152	12409	0.45	ng	-0.01
14) 2,4,6-Tribromophenol	15.86	330	654	0.62	ng	-0.01
15) 2-Fluorobiphenyl	13.02	172	16198	0.43	ng	0.00
25) Fluoranthene-d10	19.15	212	105453	0.39	ng	0.00
29) Terphenyl-d14	19.75	244	21639	0.39	ng	0.00

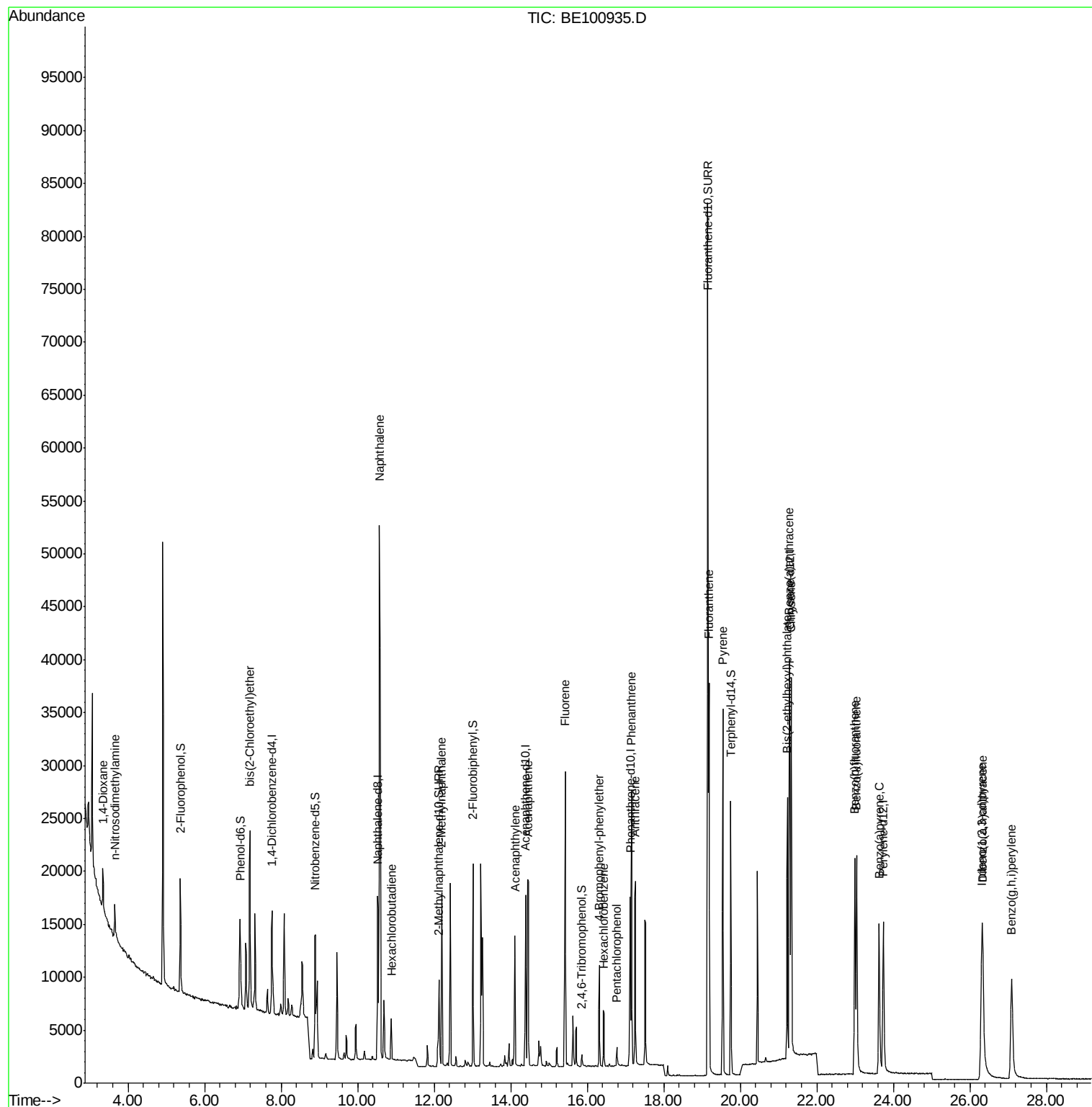
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) 1,4-Dioxane	3.34	88	2530	0.303	ng	# 4
3) n-Nitrosodimethylamine	3.65	42	2952	0.435	ng	# 95
6) bis(2-Chloroethyl)ether	7.18	93	6553	0.414	ng	98
9) Naphthalene	10.58	128	83651	0.413	ng	100
10) Hexachlorobutadiene	10.89	225	2988	0.379	ng	98
12) 2-Methylnaphthalene	12.19	142	12664	0.401	ng	93
16) Acenaphthylene	14.11	152	16145	0.408	ng	99
17) Acenaphthene	14.46	154	10895	0.400	ng	99
18) Fluorene	15.42	166	14011	0.399	ng	99
20) 4-Bromophenyl-phenylether	16.32	248	4027	0.362	ng	88
21) Hexachlorobenzene	16.44	284	4510	0.373	ng	99
22) Pentachlorophenol	16.77	266	982	1.174	ng	97
23) Phenanthrene	17.16	178	26950	0.392	ng	99
24) Anthracene	17.26	178	21964	0.382	ng	99
26) Fluoranthene	19.18	202	31102	0.379	ng	99
28) Pyrene	19.54	202	30882	0.408	ng	99
30) Benzo(a)anthracene	21.28	228	28135	0.409	ng	100
31) Chrysene	21.33	228	34264	0.424	ng	100
32) Bis(2-ethylhexyl)phthalate	21.23	149	26325	0.544	ng	# 99
33) Indeno(1,2,3-cd)pyrene	26.31	276	27621	0.393	ng	99
35) Benzo(b)fluoranthene	22.99	252	28461	0.449	ng	99
36) Benzo(k)fluoranthene	23.04	252	31816	0.448	ng	98
37) Benzo(a)pyrene	23.63	252	24908	0.454	ng	99
38) Dibenzo(a,h)anthracene	26.34	278	22610	0.414	ng	97
39) Benzo(g,h,i)perylene	27.09	276	26139	0.448	ng	100

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

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BNA_E
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Quant Method : Z:\SVOASRV\HPCHEM1\BNA E\METHODS\8270-SIM-BE120419.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Dec 13 10:42:38 2019
Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 0.400 ng

RT: 7.76 min Scan# 425

Delta R.T. 0.00 min

Lab File: BE100935.D

Acq: 17 Dec 2019 1:36

Instrument :

BNA_E

ClientSampleId :

PB125440BS

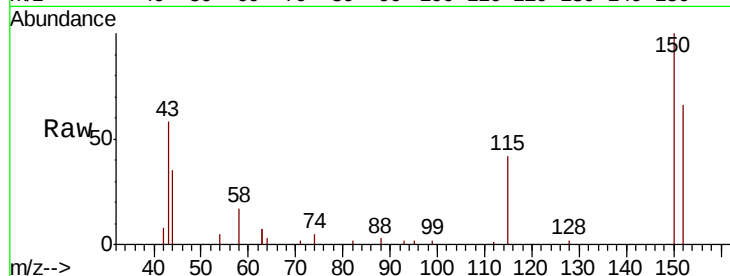
Tot Ion:152 Resp: 4573

Ion Ratio Lower Upper

152 100

150 151.8 125.5 188.3

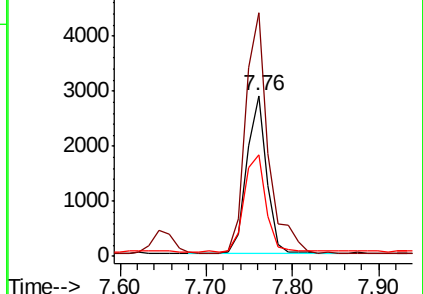
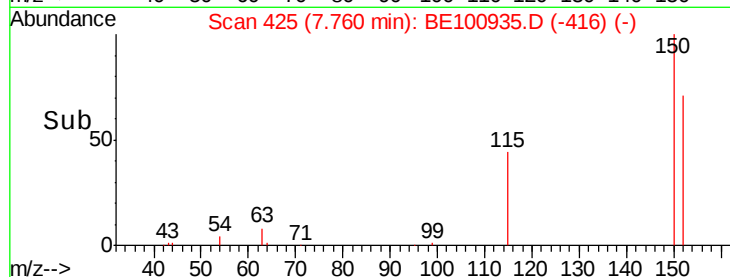
115 63.2 55.7 83.5



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: 0.303 ng

RT: 3.34 min Scan# 41

Delta R.T. 0.00 min

Lab File: BE100935.D

Acq: 17 Dec 2019 1:36

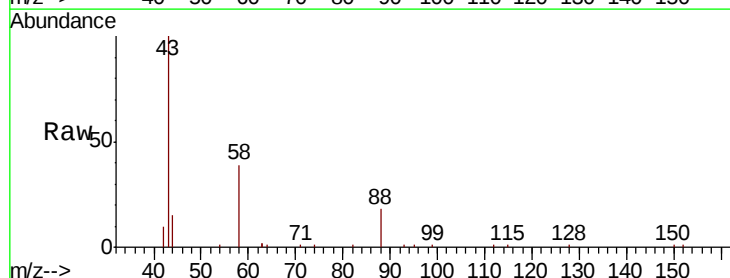
Tgt Ion: 88 Resp: 2530

Ion Ratio Lower Upper

88 100

58 88.1 52.3 78.5#

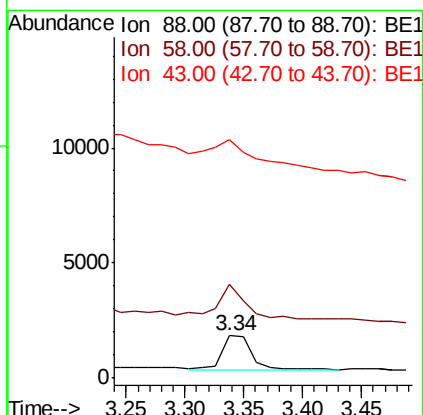
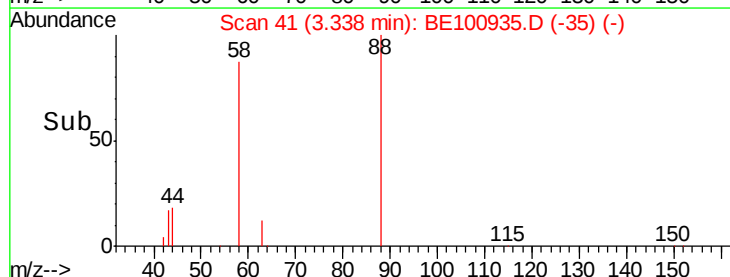
43 161.2 23.5 35.3#



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: 0.435 ng

RT: 3.65 min Scan# 68

Delta R.T. 0.00 min

Lab File: BE100935.D

Acq: 17 Dec 2019 1:36

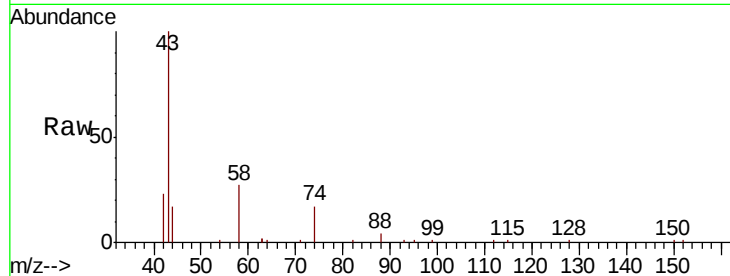
Instrument :

BNA_E

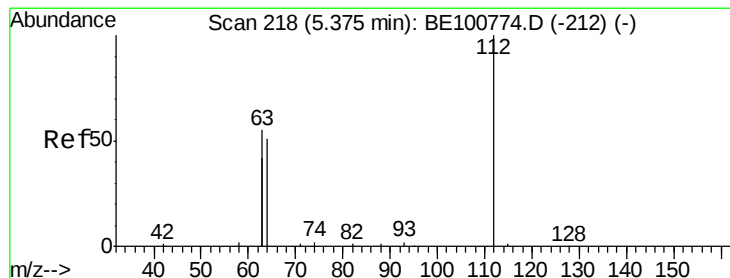
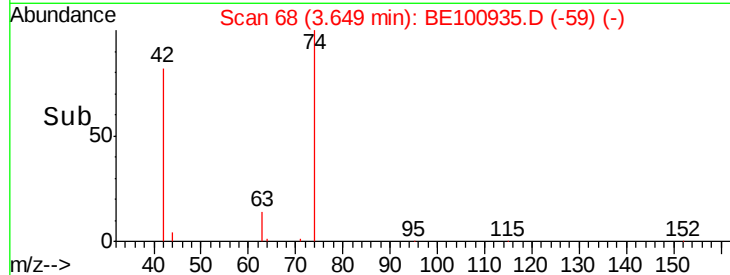
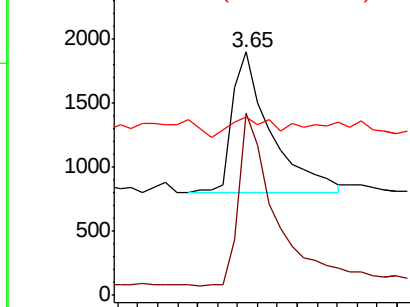
ClientSampleId :

PB125440BS

Tot Ion:	42	Resp:	2952
Ion	Ratio	Lower	Upper
42	100		
74	117.7	90.3	135.5
44	14.0	9.0	13.4#



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: 0.472 ng

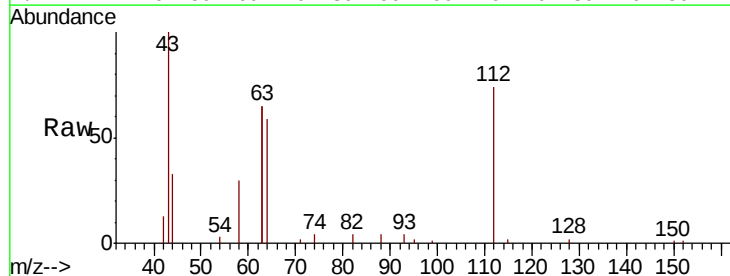
RT: 5.36 min Scan# 217

Delta R.T. -0.01 min

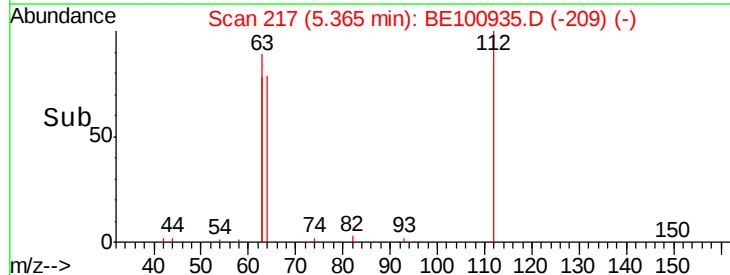
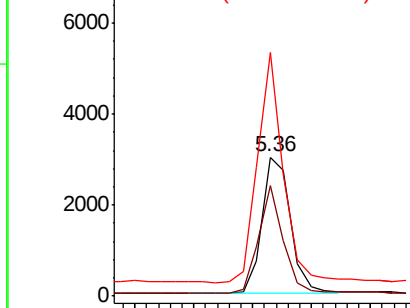
Lab File: BE100935.D

Acq: 17 Dec 2019 1:36

Tgt Ion:	112	Resp:	5117
Ion	Ratio	Lower	Upper
112	100		
64	68.3	54.5	81.7
63	149.5	116.1	174.1



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: 0.488 ng

RT: 6.93 min Scan# 353

Delta R.T. 0.00 min

Lab File: BE100935.D

Acq: 17 Dec 2019 1:36

Instrument :

BNA_E

ClientSampleId :

PB125440BS

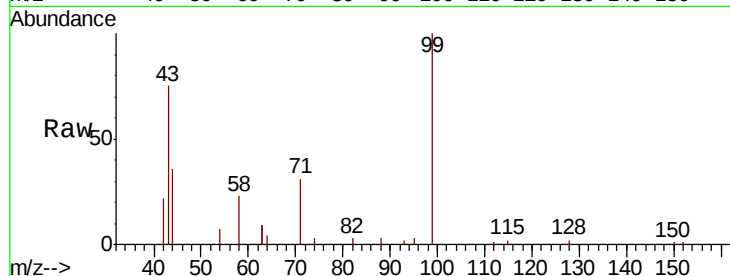
Tot Ion: 99 Resp: 7993

Ion Ratio Lower Upper

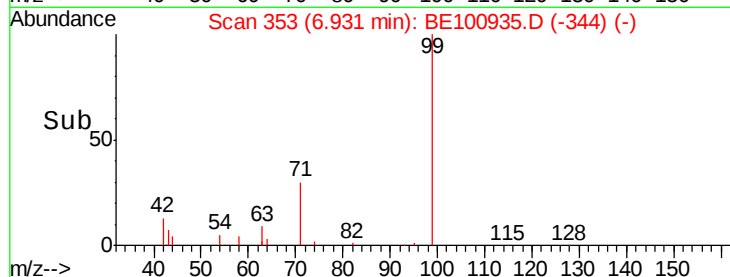
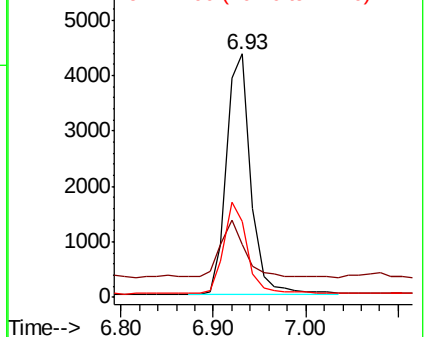
99 100

42 24.0 18.2 27.2

71 36.1 29.1 43.7



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: 0.414 ng

RT: 7.18 min Scan# 375

Delta R.T. 0.00 min

Lab File: BE100935.D

Acq: 17 Dec 2019 1:36

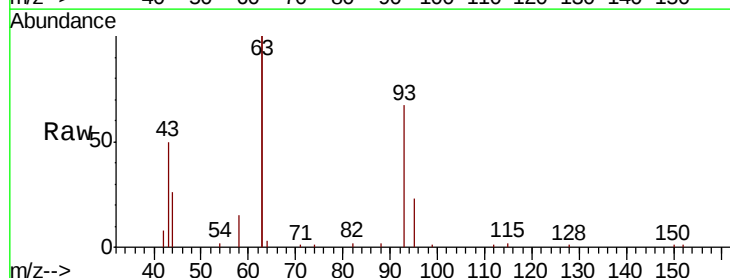
Tgt Ion: 93 Resp: 6553

Ion Ratio Lower Upper

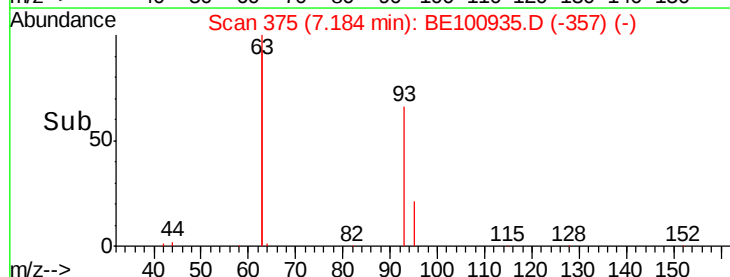
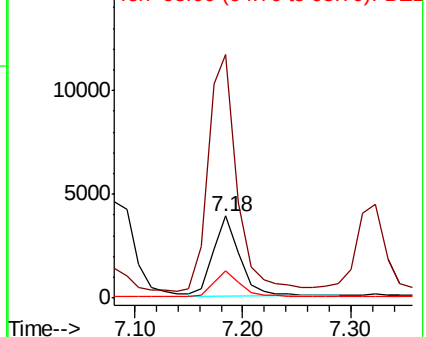
93 100

63 322.0 253.9 380.9

95 31.0 25.0 37.6



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: BE100935.D

Acq: 17 Dec 2019 1:36

Instrument :

BNA_E

ClientSampleId :

PB125440BS

Tot Ion:136 Resp: 19046

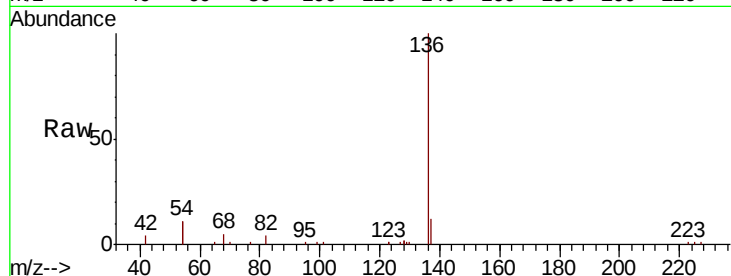
Ion Ratio Lower Upper

136 100

137 11.5 9.1 13.7

54 21.2 18.9 28.3

68 4.9 4.6 6.8

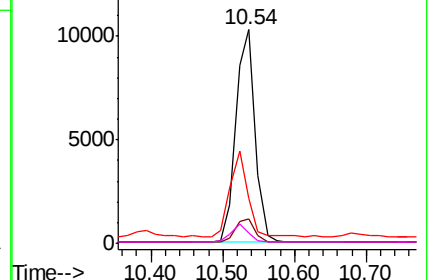
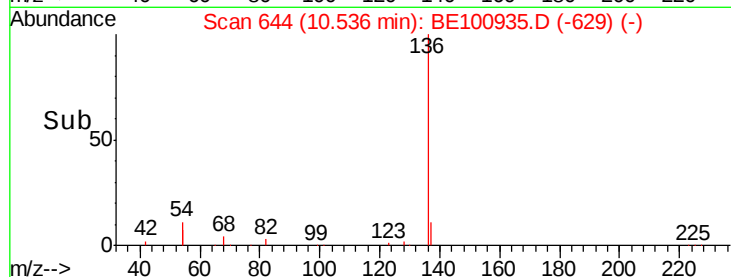


Abundance Ion 136.00 (135.70 to 136.70): E

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: 0.598 ng

RT: 8.90 min Scan# 518

Delta R.T. -0.00 min

Lab File: BE100935.D

Acq: 17 Dec 2019 1:36

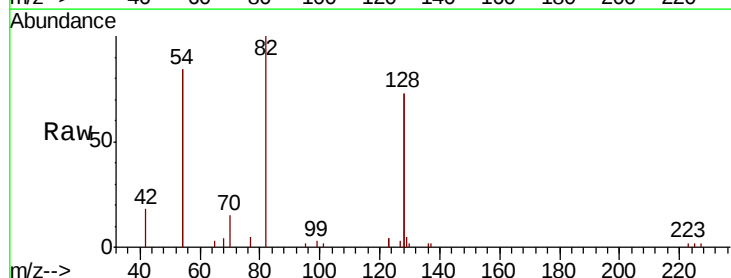
Tgt Ion: 82 Resp: 5425

Ion Ratio Lower Upper

82 100

128 145.8 113.5 170.3

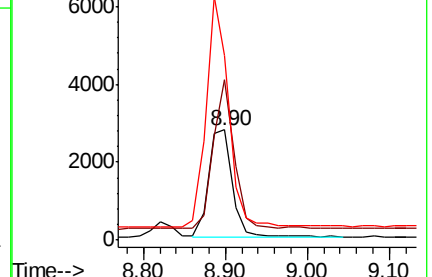
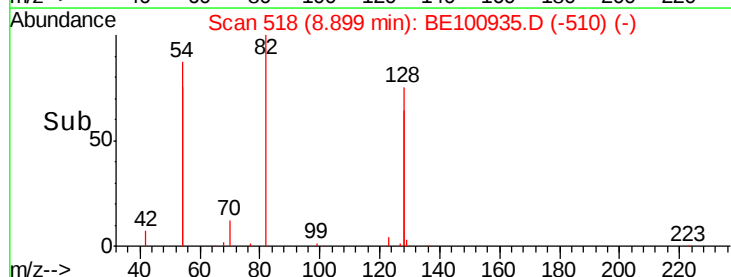
54 168.4 138.9 208.3

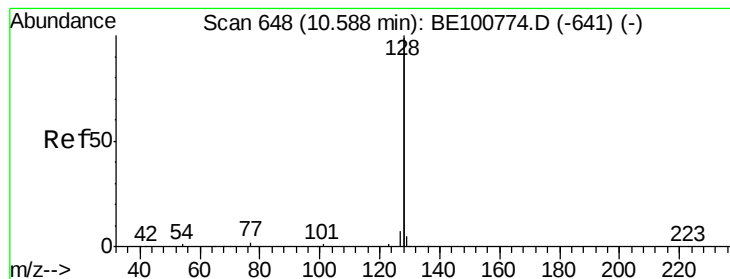


Abundance Ion 82.00 (81.70 to 82.70): BE1

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BE1





#9

Naphthalene

Concen: 0.413 ng

RT: 10.58 min Scan# 647

Delta R.T. -0.00 min

Lab File: BE100935.D

Acq: 17 Dec 2019 1:36

Instrument :

BNA_E

ClientSampleId :

PB125440BS

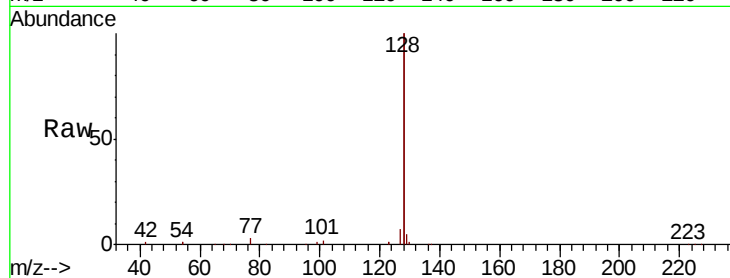
Tot Ion:128 Resp: 83651

Ion Ratio Lower Upper

128 100

129 2.7 2.2 3.4

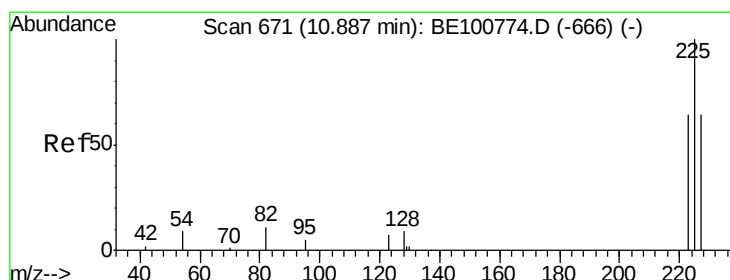
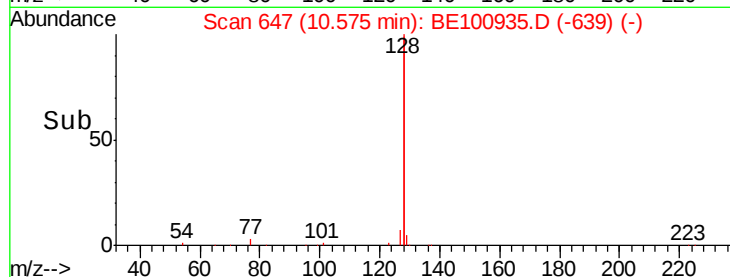
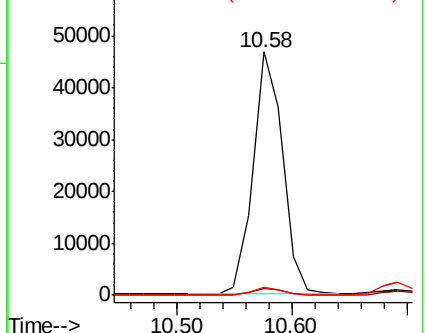
127 3.4 2.8 4.2



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: 0.379 ng

RT: 10.89 min Scan# 671

Delta R.T. -0.00 min

Lab File: BE100935.D

Acq: 17 Dec 2019 1:36

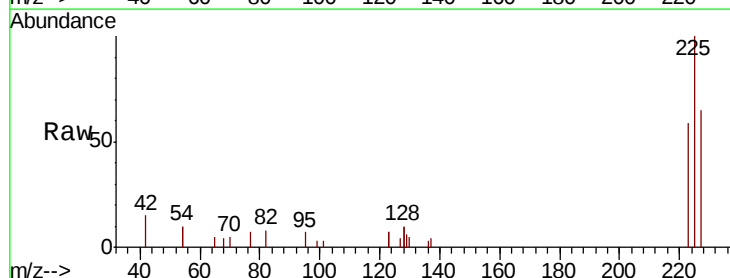
Tgt Ion:225 Resp: 2988

Ion Ratio Lower Upper

225 100

223 62.6 52.1 78.1

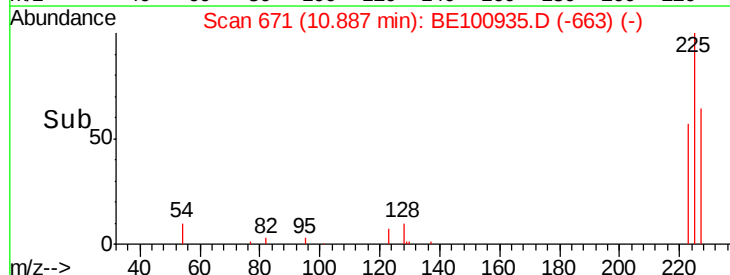
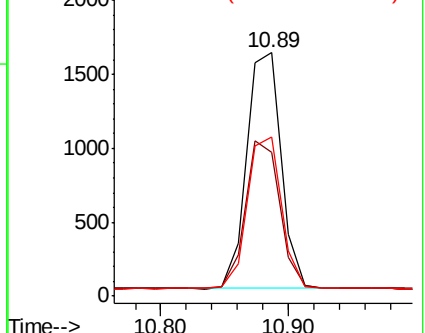
227 63.7 51.1 76.7

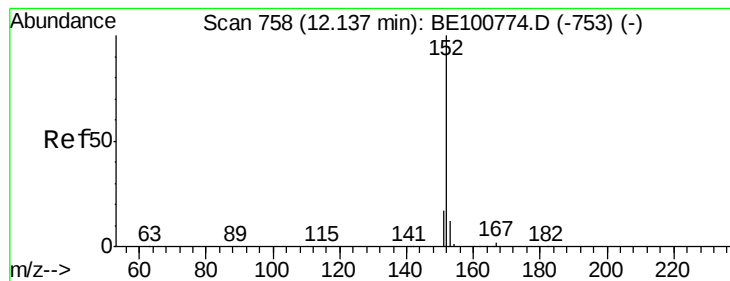


Abundance Ion 225.00 (224.70 to 225.70): E

Ion 223.00 (222.70 to 223.70): E

Ion 227.00 (226.70 to 227.70): E





#11

2-Methylnaphthalene-d10

Concen: 0.450 ng

RT: 12.12 min Scan# 757

Delta R.T. -0.01 min

Lab File: BE100935.D

Acq: 17 Dec 2019 1:36

Instrument :

BNA_E

ClientSampleId :

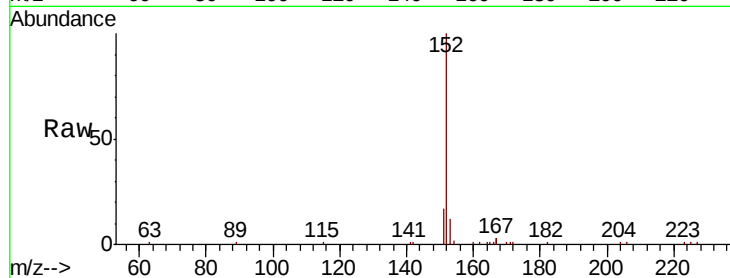
PB125440BS

Tot Ion:152 Resp: 12409

Ion Ratio Lower Upper

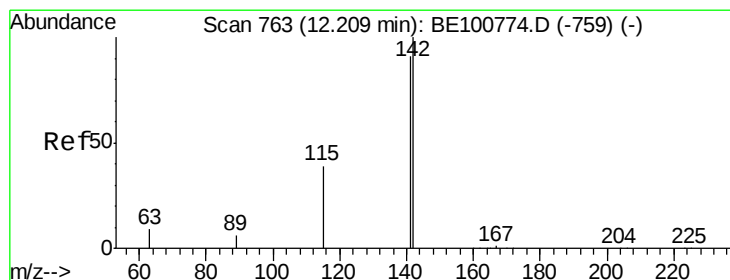
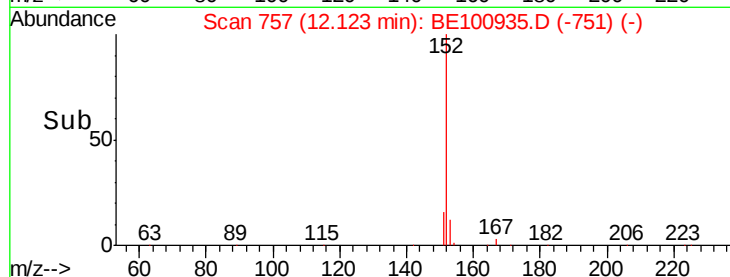
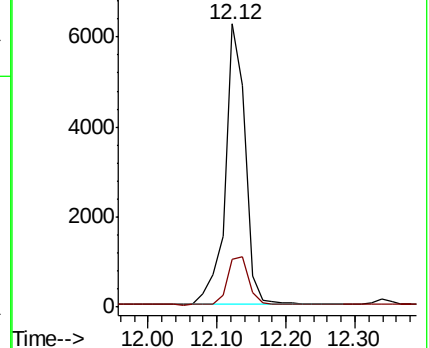
152 100

151 18.1 15.1 22.7



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E



#12

2-Methylnaphthalene

Concen: 0.401 ng

RT: 12.19 min Scan# 762

Delta R.T. -0.01 min

Lab File: BE100935.D

Acq: 17 Dec 2019 1:36

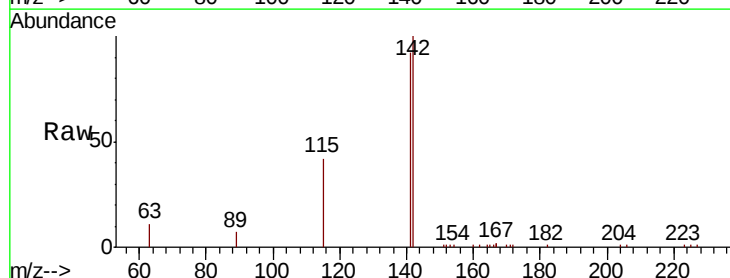
Tgt Ion:142 Resp: 12664

Ion Ratio Lower Upper

142 100

141 92.0 68.9 103.3

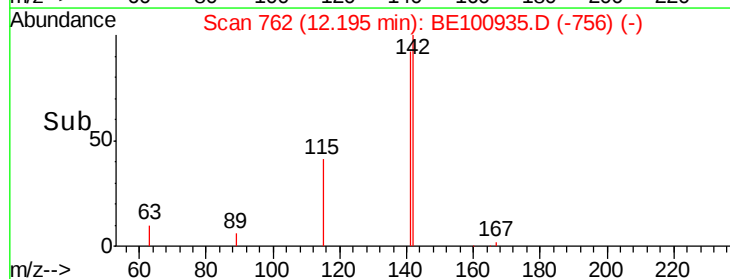
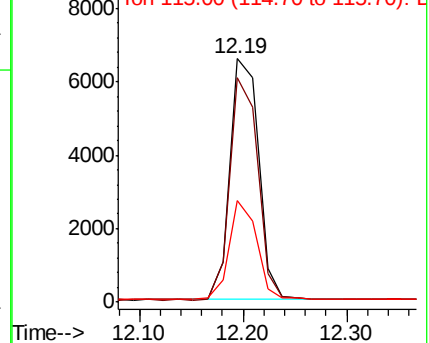
115 41.9 29.5 44.3



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

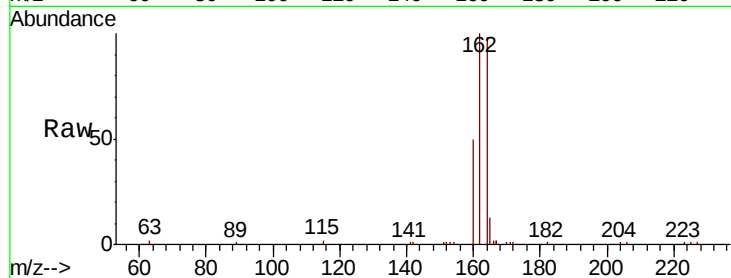




#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.38 min Scan# 914
Delta R.T. -0.00 min
Lab File: BE100935.D
Acq: 17 Dec 2019 1:36

Instrument :
BNA_E
ClientSampleId :
PB125440BS

Tot Ion	Ratio	Lower	Upper
164	100		
162	101.8	86.0	129.0
160	51.2	42.3	63.5

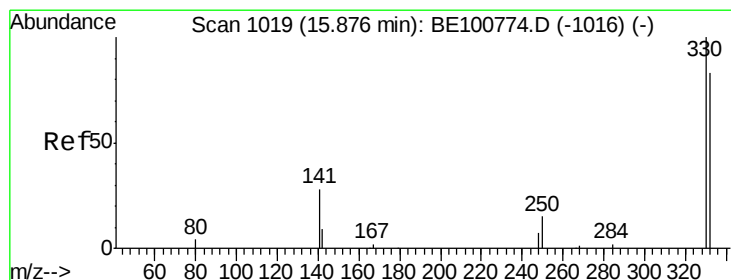
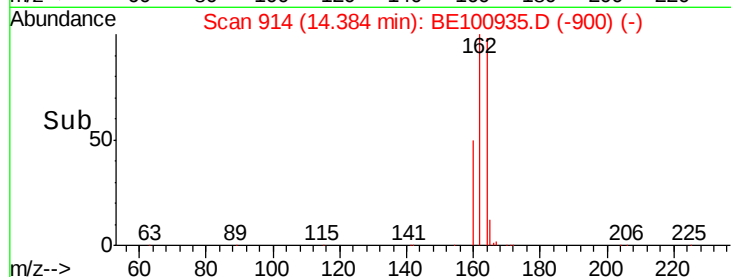
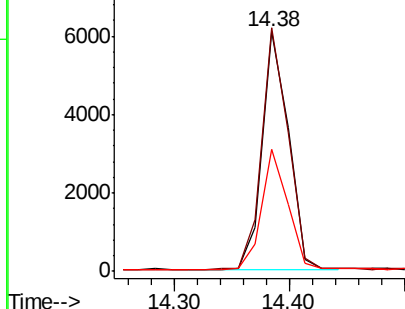


Abundance

Ion 164.00 (163.70 to 164.70): E

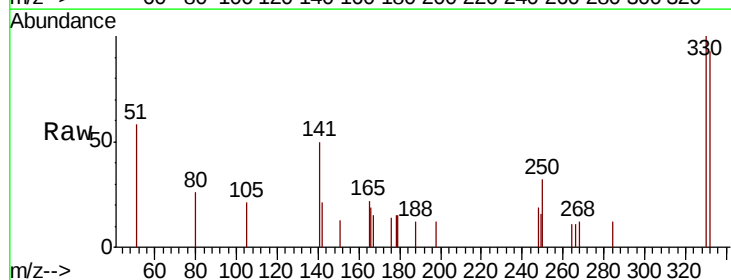
Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E



#14
2,4,6-Tribromophenol
Concen: 0.615 ng
RT: 15.86 min Scan# 1018
Delta R.T. -0.01 min
Lab File: BE100935.D
Acq: 17 Dec 2019 1:36

Tgt Ion	Ratio	Lower	Upper
330	100		
332	101.8	74.1	111.1
141	55.2	46.7	70.1

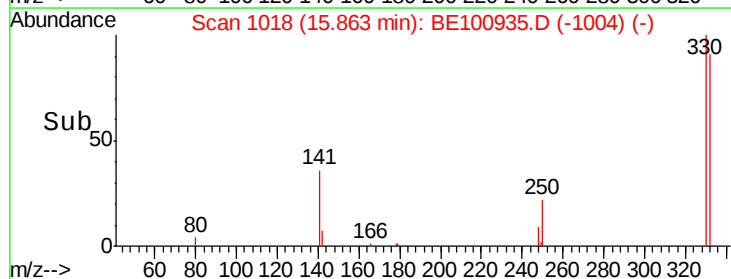
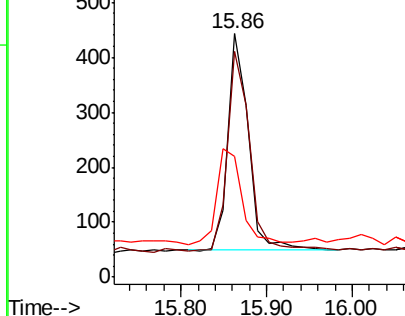


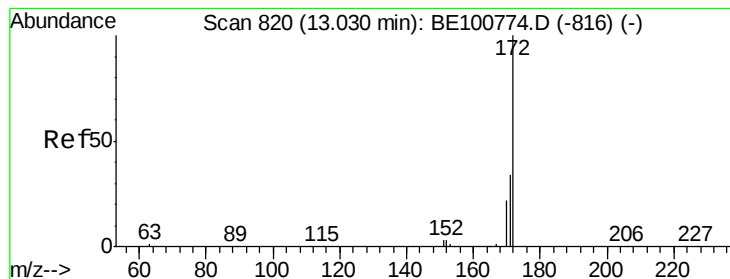
Abundance

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: 0.427 ng

RT: 13.02 min Scan# 819

Delta R.T. -0.00 min

Lab File: BE100935.D

Acq: 17 Dec 2019 1:36

Instrument :

BNA_E

ClientSampleId :

PB125440BS

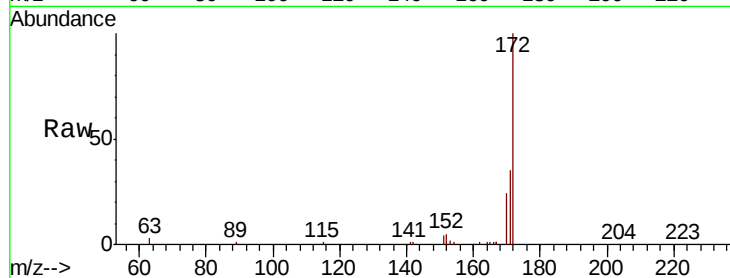
Tot Ion:172 Resp: 16198

Ion Ratio Lower Upper

172 100

171 34.8 28.2 42.4

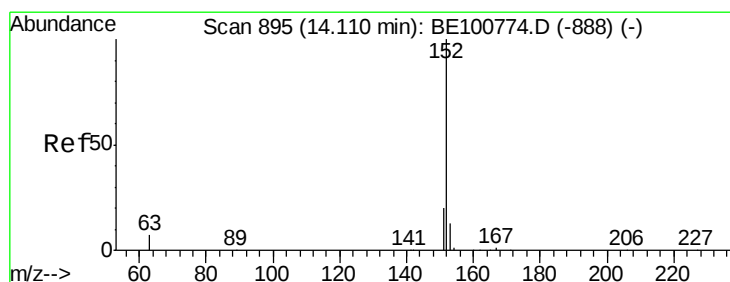
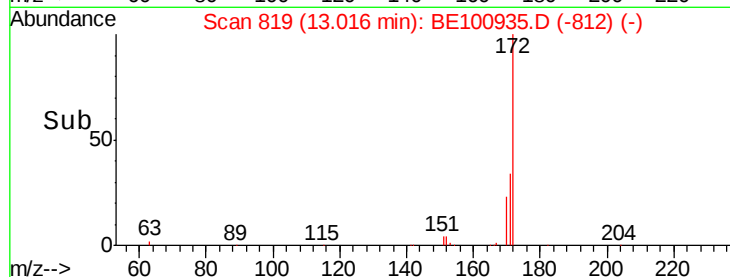
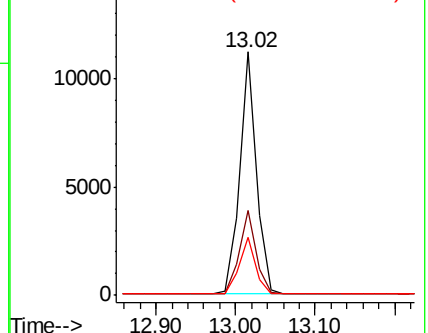
170 23.7 19.4 29.0



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: 0.408 ng

RT: 14.11 min Scan# 895

Delta R.T. -0.00 min

Lab File: BE100935.D

Acq: 17 Dec 2019 1:36

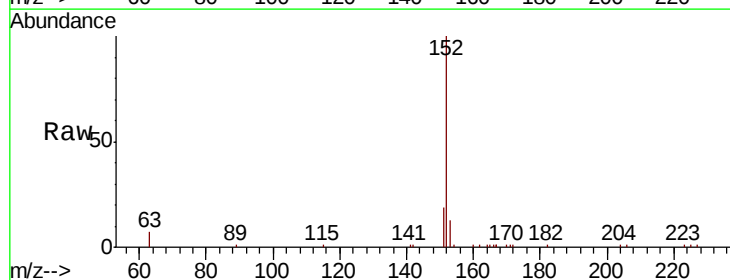
Tgt Ion:152 Resp: 16145

Ion Ratio Lower Upper

152 100

151 19.5 15.9 23.9

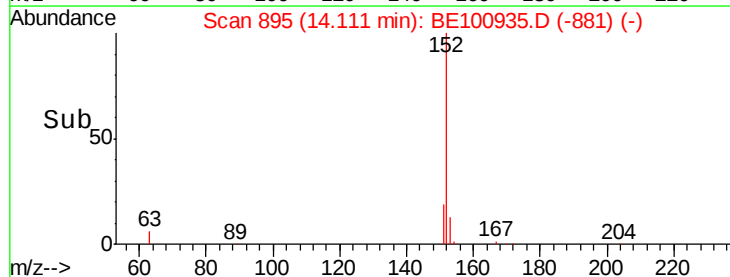
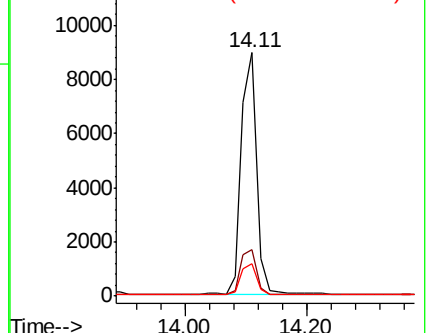
153 12.8 10.5 15.7



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: 0.400 ng

RT: 14.46 min Scan# 919

Delta R.T. -0.00 min

Lab File: BE100935.D

Acq: 17 Dec 2019 1:36

Instrument :

BNA_E

ClientSampleId :

PB125440BS

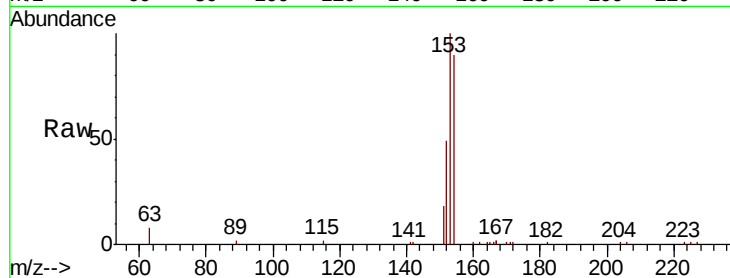
Tot Ion:154 Resp: 10895

Ion Ratio Lower Upper

154 100

153 116.4 91.5 137.3

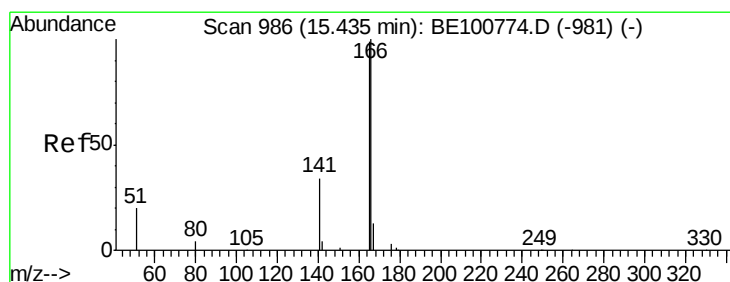
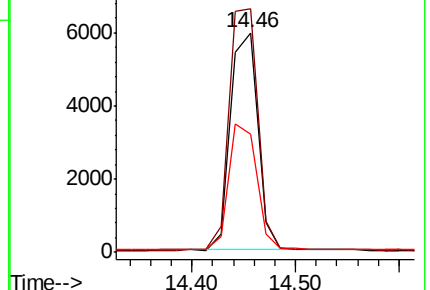
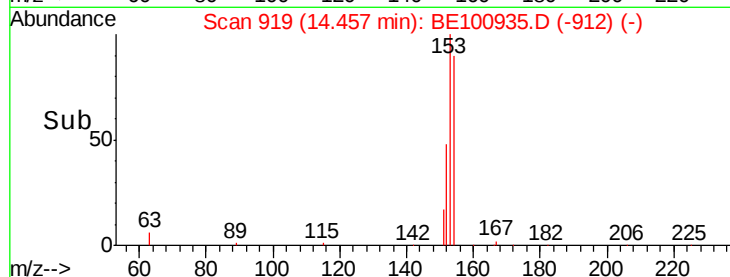
152 59.6 47.7 71.5



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: 0.399 ng

RT: 15.42 min Scan# 985

Delta R.T. 0.00 min

Lab File: BE100935.D

Acq: 17 Dec 2019 1:36

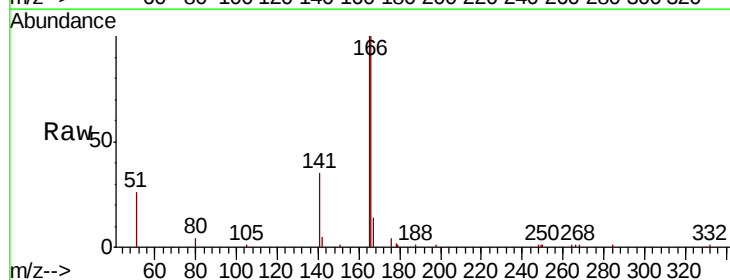
Tgt Ion:166 Resp: 14011

Ion Ratio Lower Upper

166 100

165 99.2 80.2 120.4

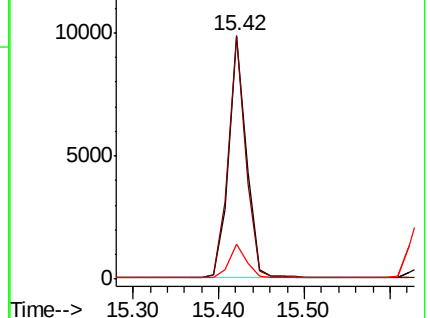
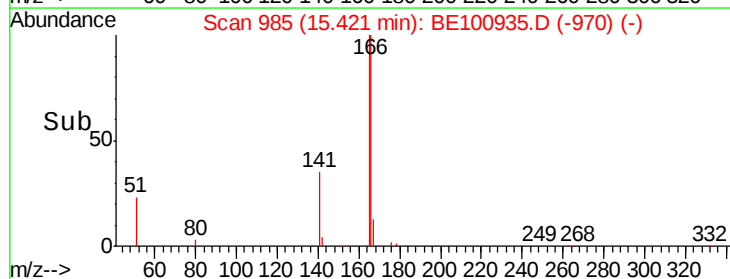
167 13.7 10.6 16.0

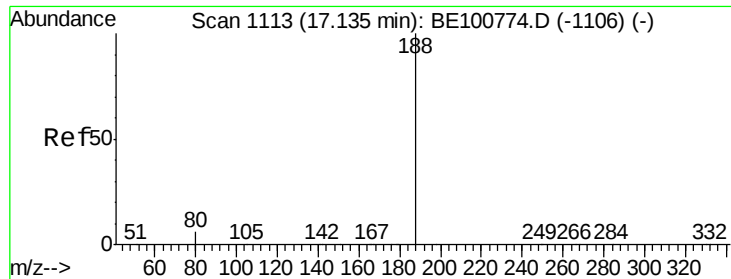


Abundance Ion 166.00 (165.70 to 166.70): E

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: 17.12 min Scan# 1112

Delta R.T. 0.00 min

Lab File: BE100935.D

Acq: 17 Dec 2019 1:36

Instrument :

BNA_E

ClientSampleId :

PB125440BS

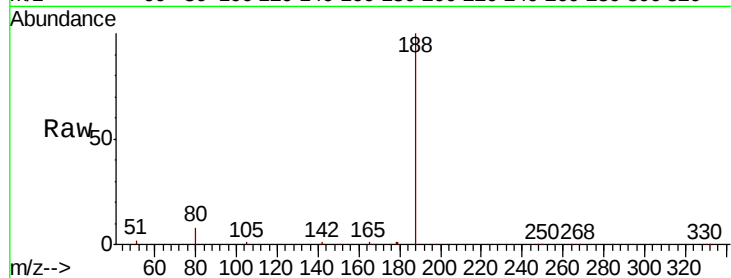
Tot Ion:188 Resp: 22684

Ion Ratio Lower Upper

188 100

94 0.0 0.0 0.0

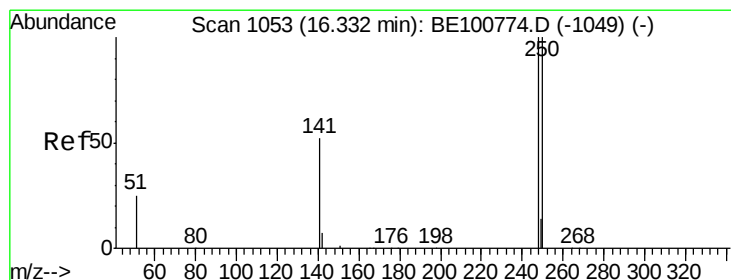
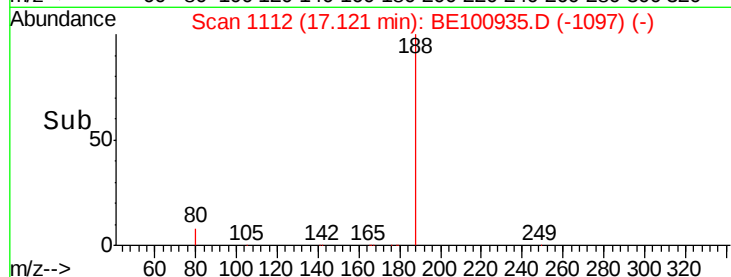
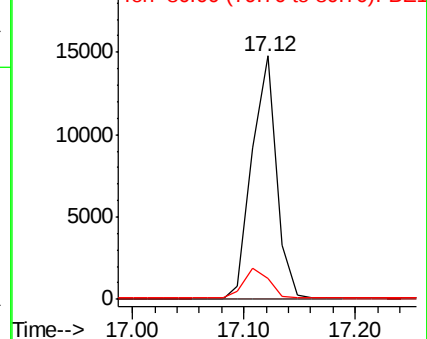
80 8.4 7.9 11.9



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: 0.362 ng

RT: 16.32 min Scan# 1052

Delta R.T. 0.00 min

Lab File: BE100935.D

Acq: 17 Dec 2019 1:36

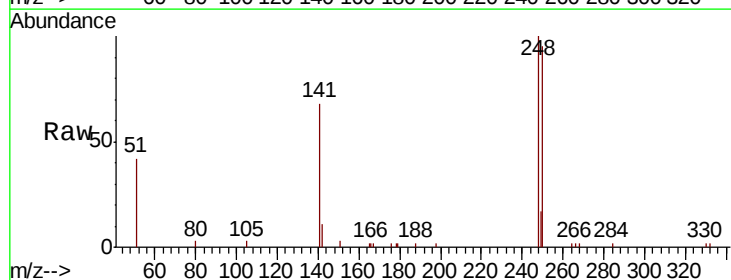
Tgt Ion:248 Resp: 4027

Ion Ratio Lower Upper

248 100

250 95.3 72.4 108.6

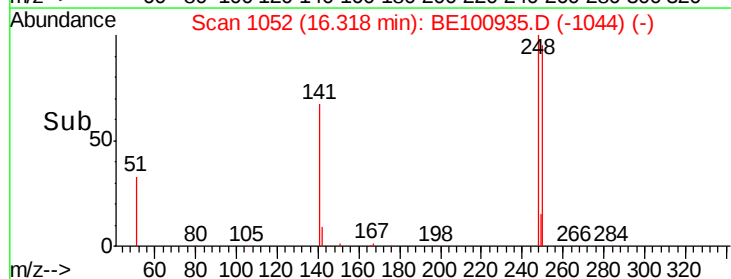
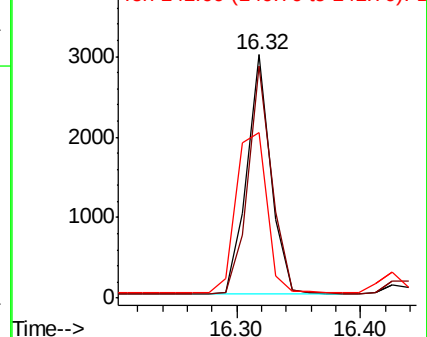
141 68.2 68.2 102.2

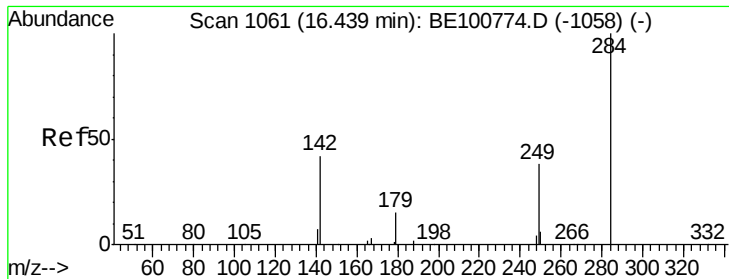


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E





#21

Hexachlorobenzene

Concen: 0.373 ng

RT: 16.44 min Scan# 1061

Delta R.T. 0.00 min

Lab File: BE100935.D

Acq: 17 Dec 2019 1:36

Instrument :

BNA_E

ClientSampleId :

PB125440BS

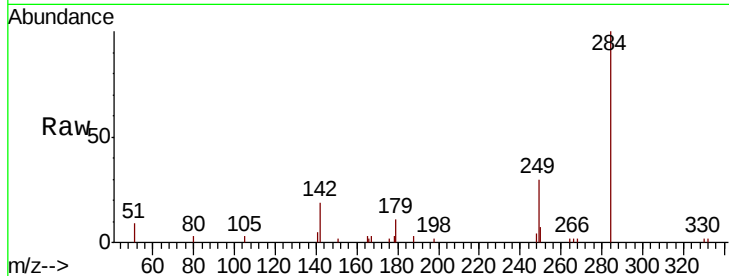
Tot Ion:284 Resp: 4510

Ion Ratio Lower Upper

284 100

142 44.2 35.0 52.4

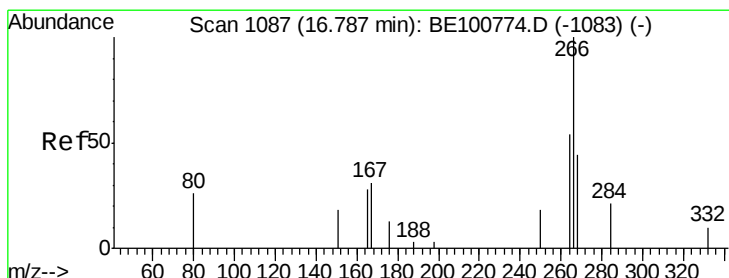
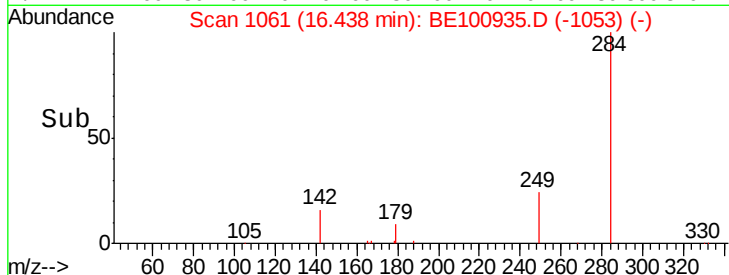
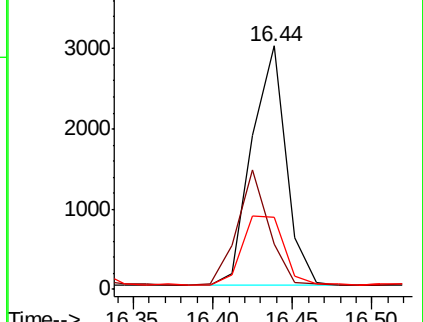
249 34.1 28.1 42.1



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: 1.174 ng

RT: 16.77 min Scan# 1086

Delta R.T. -0.01 min

Lab File: BE100935.D

Acq: 17 Dec 2019 1:36

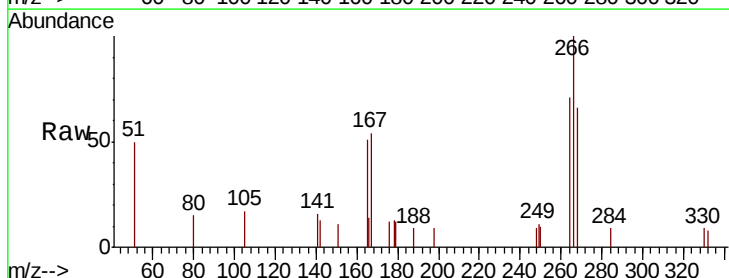
Tgt Ion:266 Resp: 982

Ion Ratio Lower Upper

266 100

264 71.3 55.1 82.7

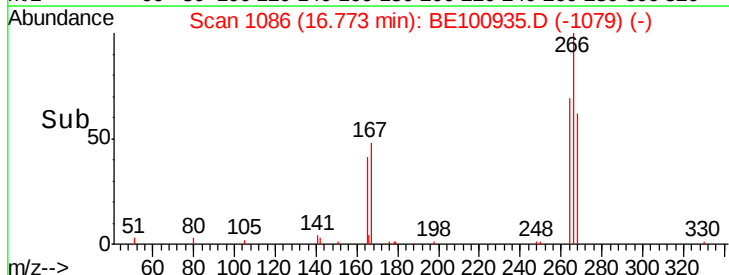
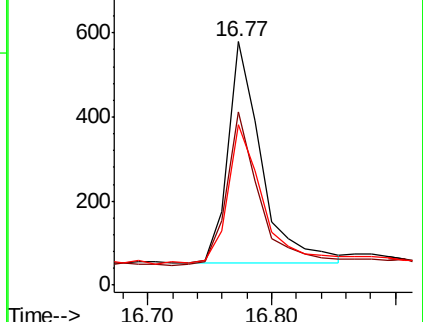
268 66.0 50.7 76.1



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: 0.392 ng

RT: 17.16 min Scan# 1115

Delta R.T. 0.00 min

Lab File: BE100935.D

Acq: 17 Dec 2019 1:36

Instrument :

BNA_E

ClientSampleId :

PB125440BS

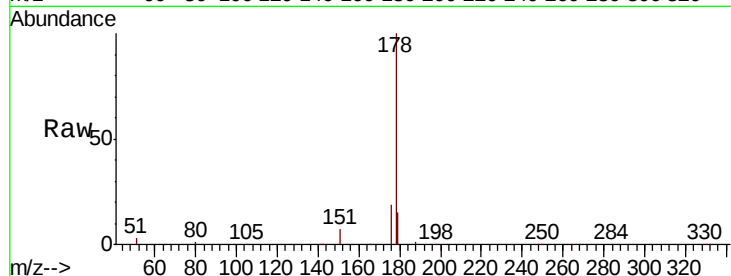
Tot Ion:178 Resp: 26950

Ion Ratio Lower Upper

178 100

176 19.2 15.6 23.4

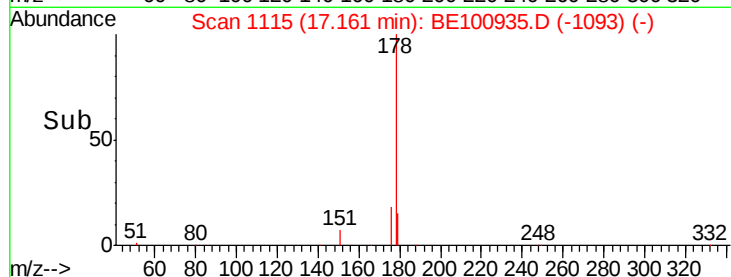
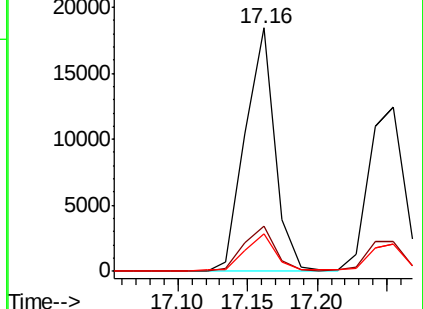
179 15.2 11.9 17.9



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: 0.382 ng

RT: 17.26 min Scan# 1122

Delta R.T. 0.00 min

Lab File: BE100935.D

Acq: 17 Dec 2019 1:36

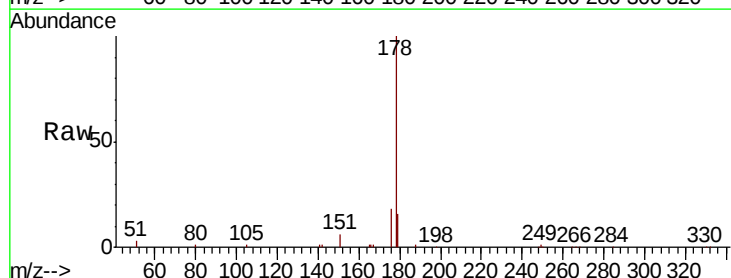
Tgt Ion:178 Resp: 21964

Ion Ratio Lower Upper

178 100

176 18.7 14.7 22.1

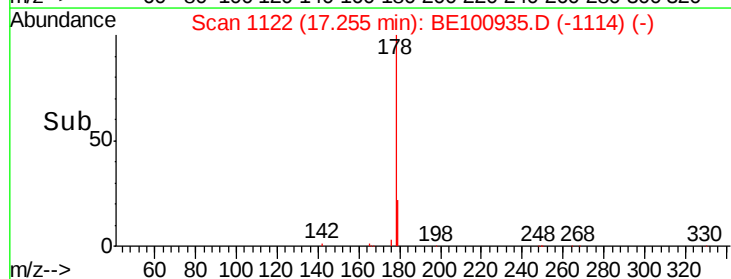
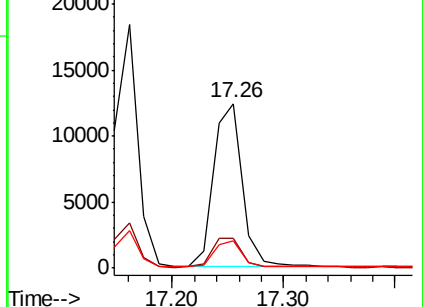
179 15.6 12.2 18.4

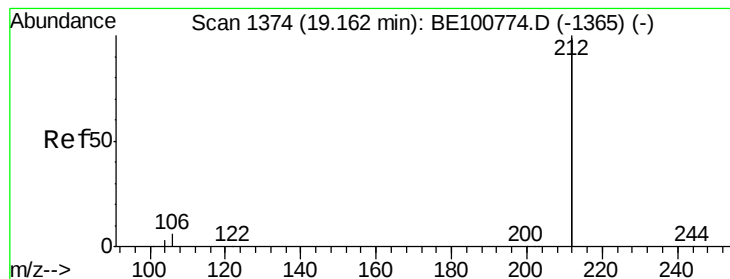


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#25

Fluoranthene-d10

Concen: 0.393 ng

RT: 19.15 min Scan# 1372

Delta R.T. 0.00 min

Lab File: BE100935.D

Acq: 17 Dec 2019 1:36

Instrument :

BNA_E

ClientSampleId :

PB125440BS

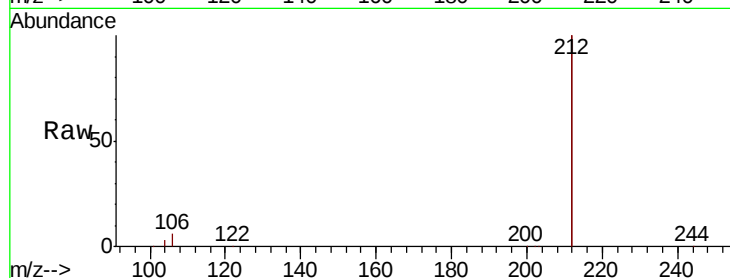
Tot Ion:212 Resp: 105453

Ion Ratio Lower Upper

212 100

106 3.4 2.6 4.0

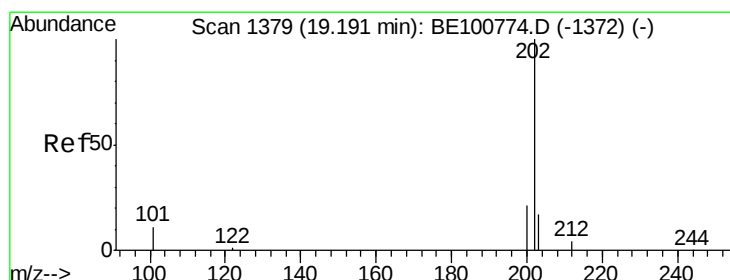
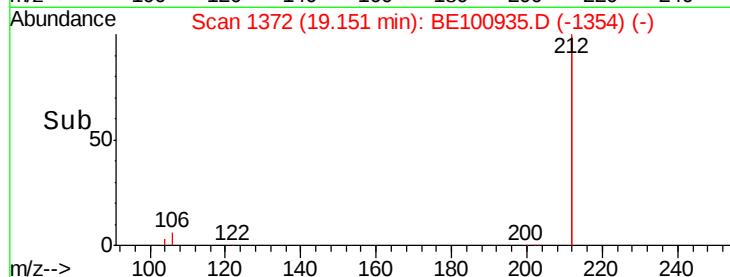
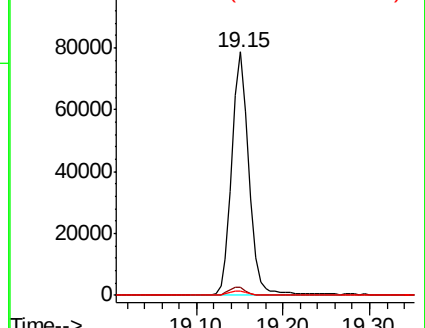
104 1.8 1.4 2.2



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: 0.379 ng

RT: 19.18 min Scan# 1377

Delta R.T. -0.00 min

Lab File: BE100935.D

Acq: 17 Dec 2019 1:36

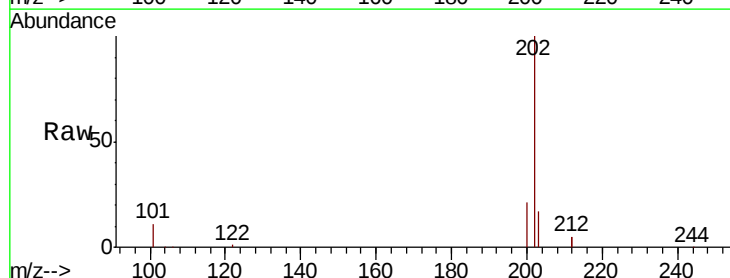
Tgt Ion:202 Resp: 31102

Ion Ratio Lower Upper

202 100

101 12.0 9.4 14.0

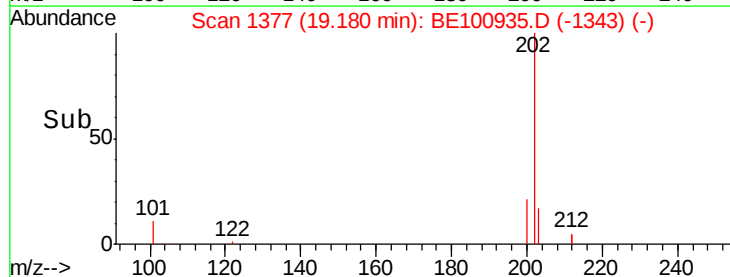
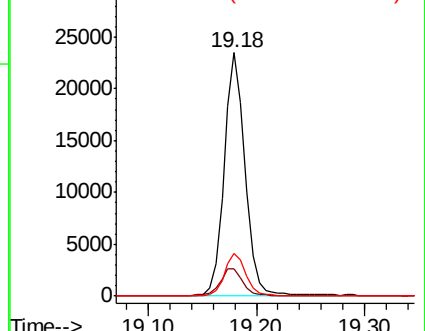
203 17.6 13.7 20.5



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

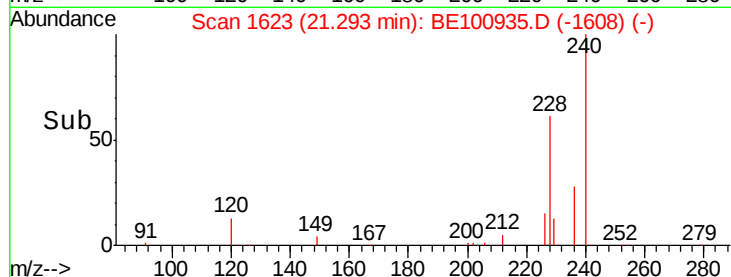
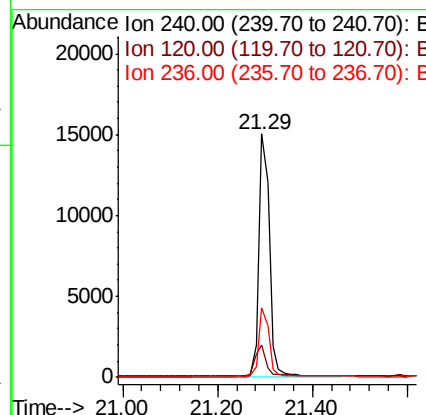
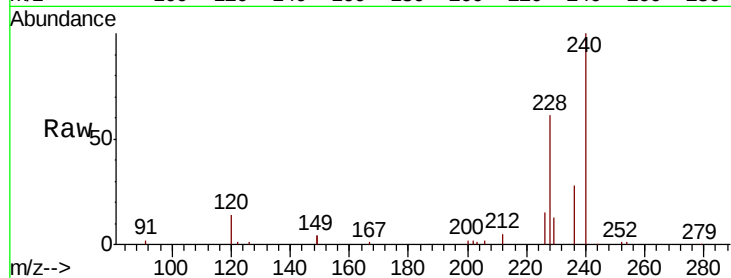




#27
 Chrysene-d12
 Concen: 0.400 ng
 RT: 21.29 min Scan# 1623
 Delta R.T. -0.01 min
 Lab File: BE100935.D
 Acq: 17 Dec 2019 1:36

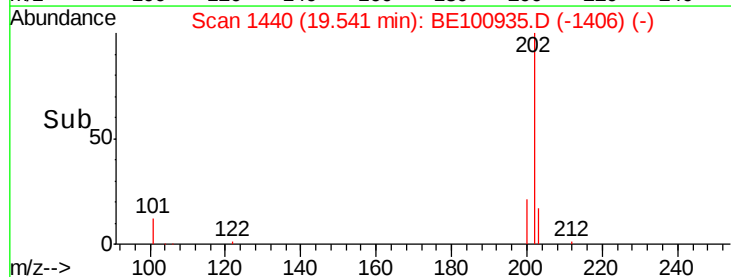
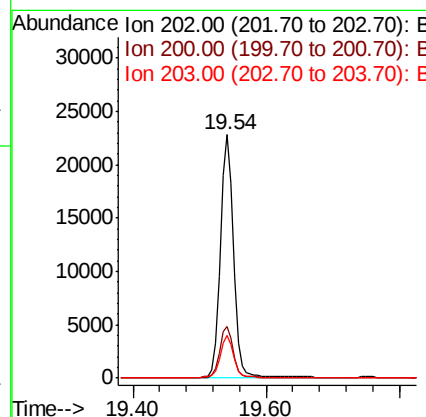
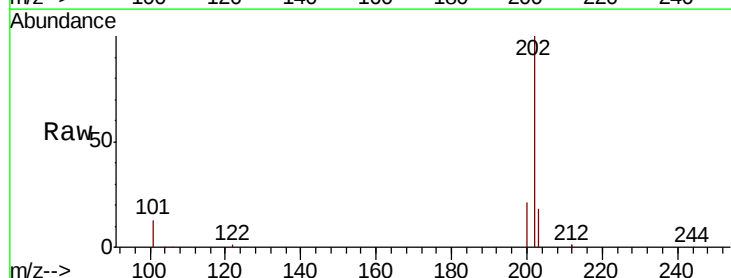
Instrument :
 BNA_E
 ClientSampleId :
 PB125440BS

Tot Ion:240 Resp: 23322
 Ion Ratio Lower Upper
 240 100
 120 13.5 4.0 6.0#
 236 28.5 21.6 32.4



#28
 Pyrene
 Concen: 0.408 ng
 RT: 19.54 min Scan# 1440
 Delta R.T. -0.00 min
 Lab File: BE100935.D
 Acq: 17 Dec 2019 1:36

Tgt Ion:202 Resp: 30882
 Ion Ratio Lower Upper
 202 100
 200 21.4 17.0 25.4
 203 17.8 13.8 20.8





#29

Terphenyl-d14

Concen: 0.387 ng

RT: 19.75 min Scan# 1477

Delta R.T. -0.00 min

Lab File: BE100935.D

Acq: 17 Dec 2019 1:36

Instrument :

BNA_E

ClientSampleId :

PB125440BS

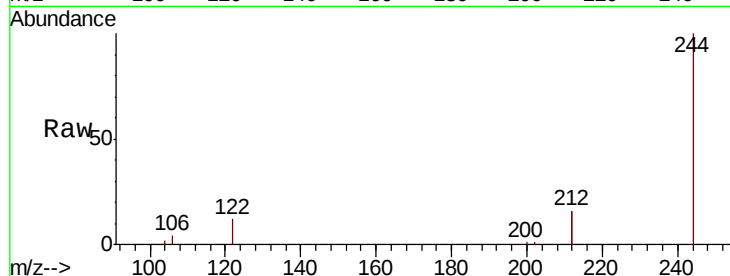
Tot Ion:244 Resp: 21639

Ion Ratio Lower Upper

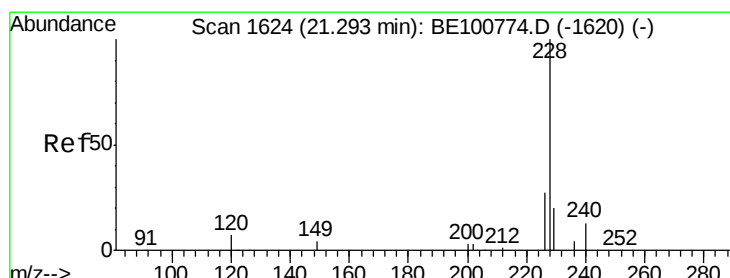
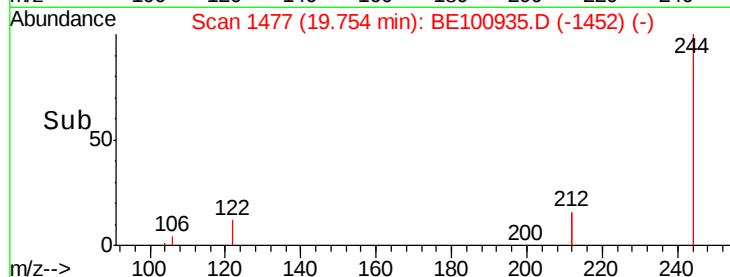
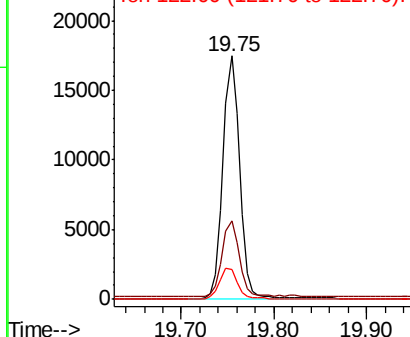
244 100

212 32.1 25.2 37.8

122 12.2 8.9 13.3



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: 0.409 ng

RT: 21.28 min Scan# 1622

Delta R.T. -0.00 min

Lab File: BE100935.D

Acq: 17 Dec 2019 1:36

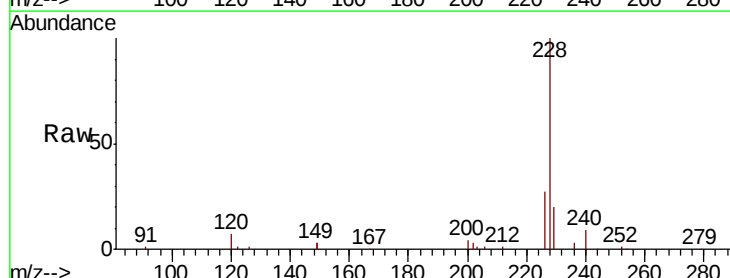
Tgt Ion:228 Resp: 28135

Ion Ratio Lower Upper

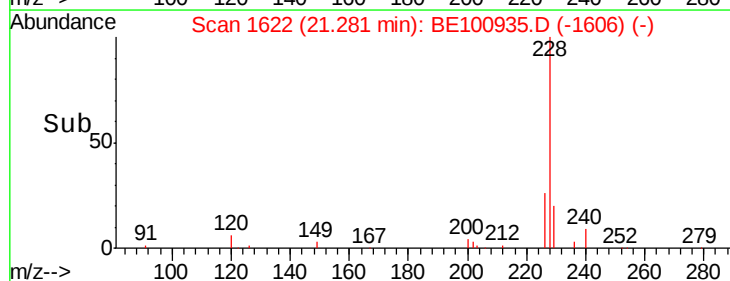
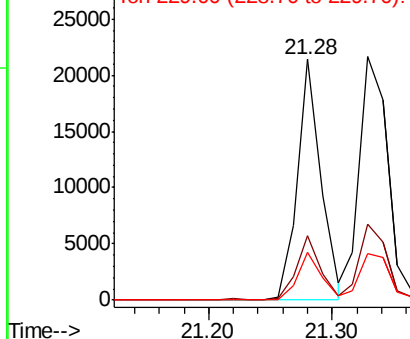
228 100

226 26.6 21.4 32.0

229 19.9 15.8 23.6



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: 0.424 ng

RT: 21.33 min Scan# 1626

Delta R.T. -0.00 min

Lab File: BE100935.D

Acq: 17 Dec 2019 1:36

Instrument :

BNA_E

ClientSampleId :

PB125440BS

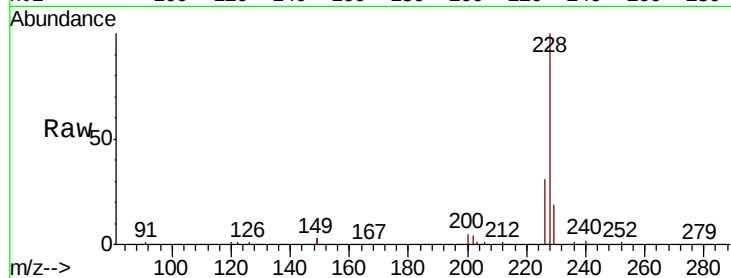
Tot Ion:228 Resp: 34264

Ion Ratio Lower Upper

228 100

226 31.3 25.3 37.9

229 19.1 15.2 22.8

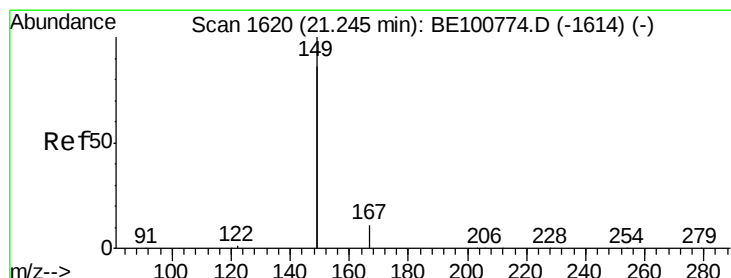
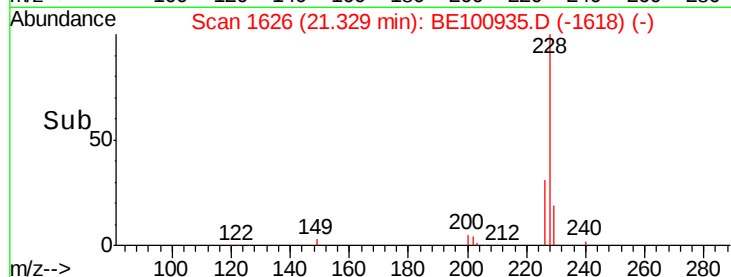
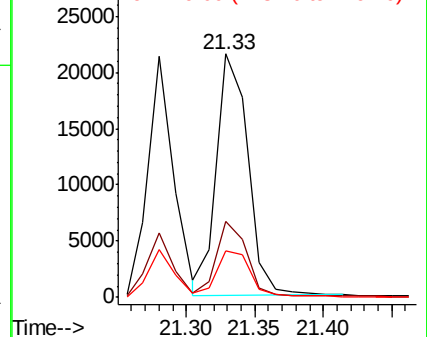


Abundance

Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#32

Bis(2-ethylhexyl)phthalate

Concen: 0.544 ng

RT: 21.23 min Scan# 1618

Delta R.T. -0.00 min

Lab File: BE100935.D

Acq: 17 Dec 2019 1:36

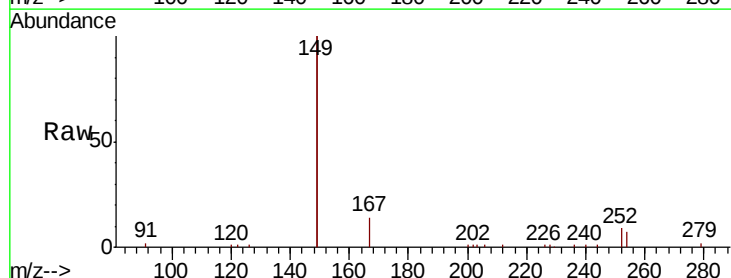
Tgt Ion:149 Resp: 26325

Ion Ratio Lower Upper

149 100

167 6.5 5.0 7.4

279 1.0 0.6 1.0#

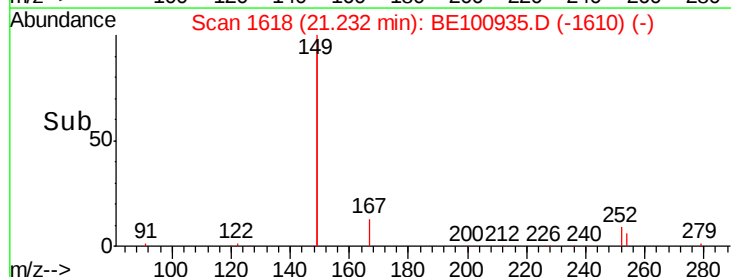
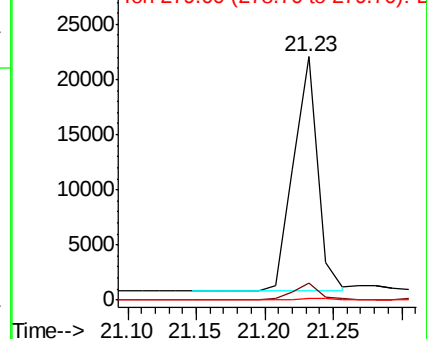


Abundance

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

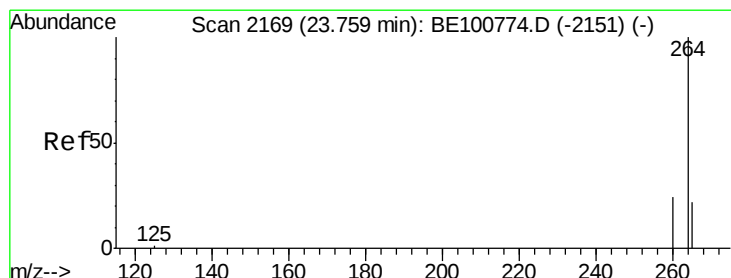
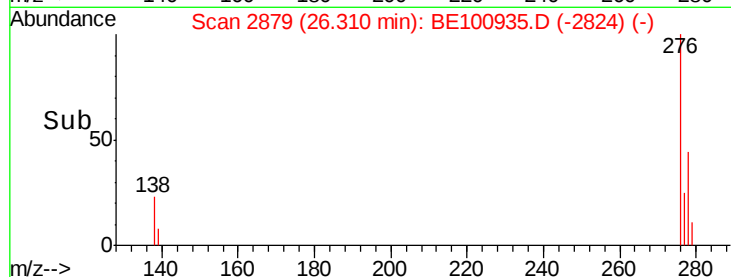
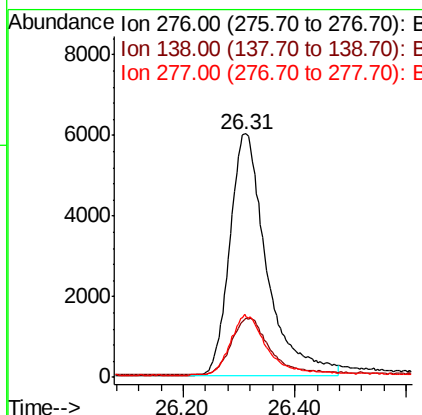
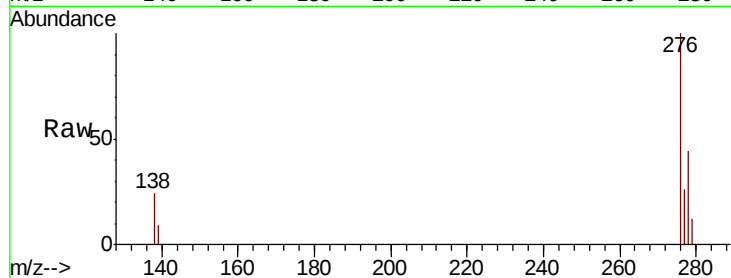




#33
 Indeno(1,2,3-cd)pyrene
 Concen: 0.393 ng
 RT: 26.31 min Scan# 2879
 Delta R.T. -0.00 min
 Lab File: BE100935.D
 Acq: 17 Dec 2019 1:36

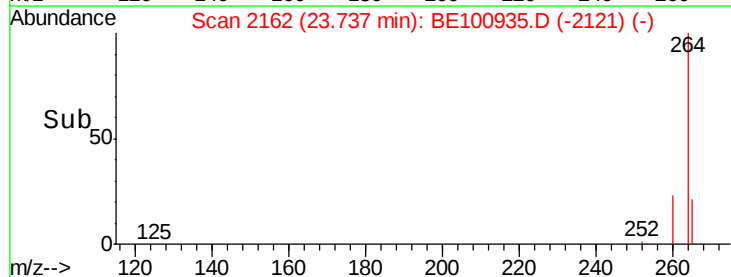
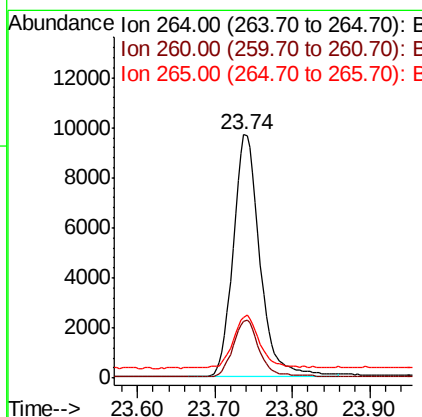
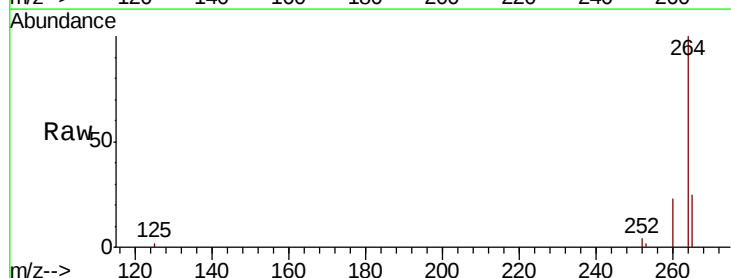
Instrument :
 BNA_E
 ClientSampleId :
 PB125440BS

Tot Ion:276 Resp: 27621
 Ion Ratio Lower Upper
 276 100
 138 24.0 18.4 27.6
 277 24.3 19.4 29.2



#34
 Perylene-d12
 Concen: 0.400 ng
 RT: 23.74 min Scan# 2162
 Delta R.T. -0.00 min
 Lab File: BE100935.D
 Acq: 17 Dec 2019 1:36

Tgt Ion:264 Resp: 23152
 Ion Ratio Lower Upper
 264 100
 260 23.3 19.4 29.0
 265 24.8 20.1 30.1





#35

Benzo(b)fluoranthene

Concen: 0.449 ng

RT: 22.99 min Scan# 1953

Delta R.T. -0.00 min

Lab File: BE100935.D

Acq: 17 Dec 2019 1:36

Instrument :

BNA_E

ClientSampleId :

PB125440BS

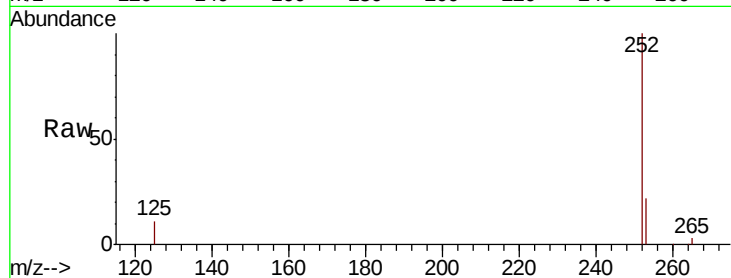
Tot Ion:252 Resp: 28461

Ion Ratio Lower Upper

252 100

253 22.5 17.8 26.6

125 10.9 8.3 12.5

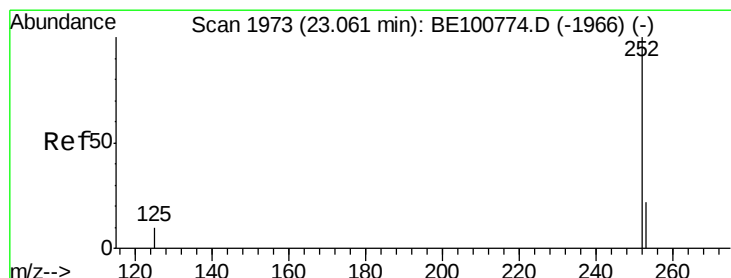
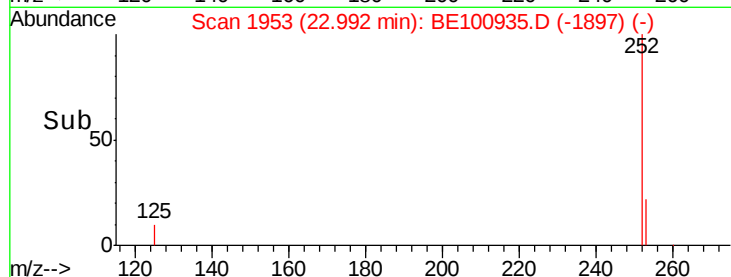
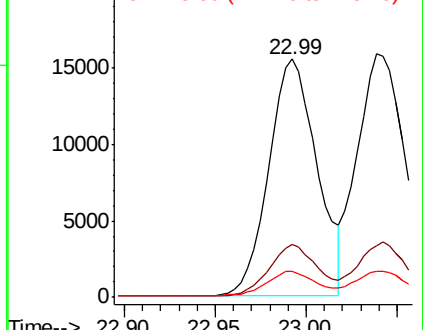


Abundance

Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#36

Benzo(k)fluoranthene

Concen: 0.448 ng

RT: 23.04 min Scan# 1966

Delta R.T. -0.00 min

Lab File: BE100935.D

Acq: 17 Dec 2019 1:36

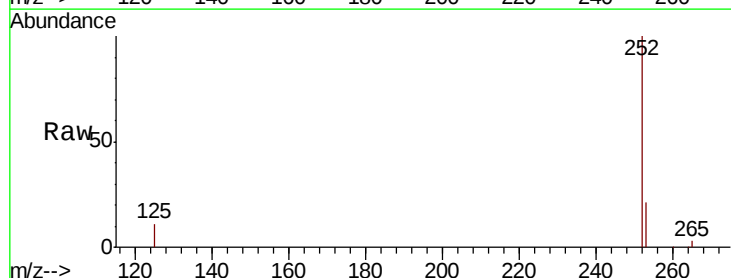
Tgt Ion:252 Resp: 31816

Ion Ratio Lower Upper

252 100

253 21.4 17.8 26.6

125 10.9 9.4 14.0

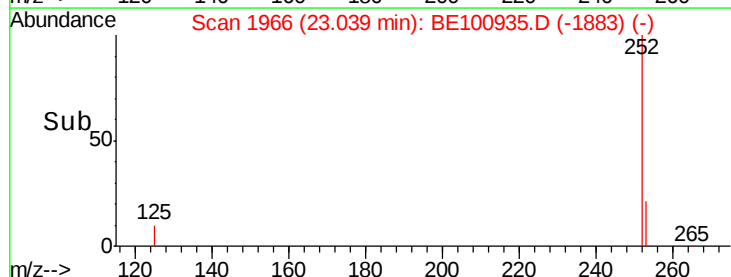
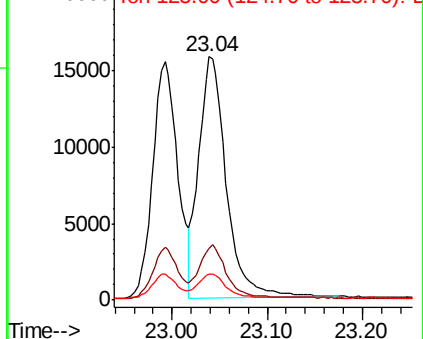


Abundance

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





#37

Benzo(a)pyrene

Concen: 0.454 ng

RT: 23.63 min Scan# 2132

Delta R.T. -0.00 min

Lab File: BE100935.D

Acq: 17 Dec 2019 1:36

Instrument :

BNA_E

ClientSampleId :

PB125440BS

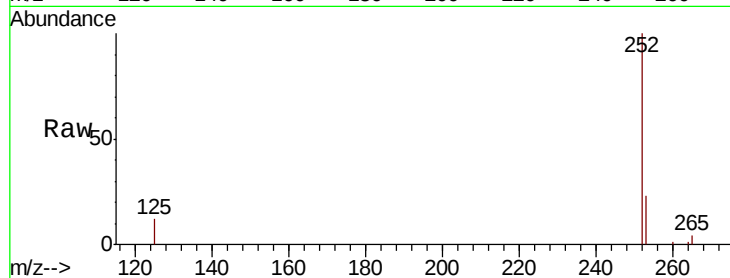
Tot Ion:252 Resp: 24908

Ion Ratio Lower Upper

252 100

253 23.1 17.8 26.8

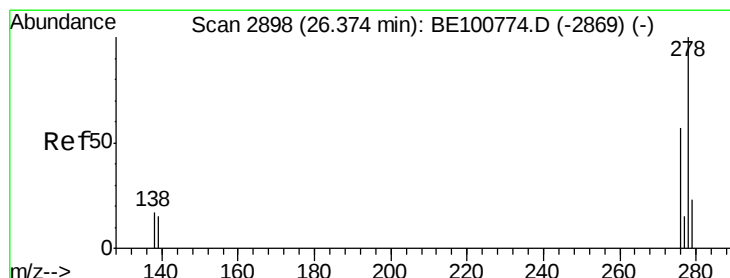
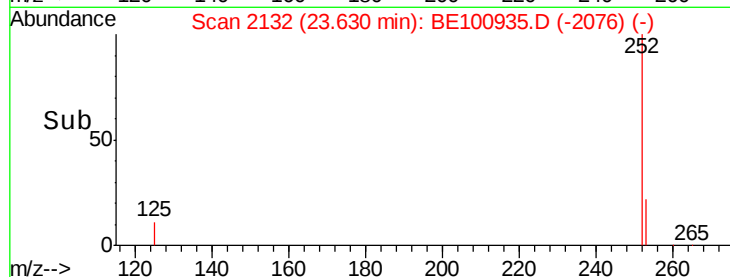
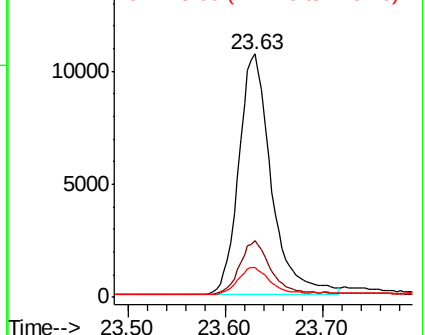
125 12.1 9.9 14.9



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: 0.414 ng

RT: 26.34 min Scan# 2887

Delta R.T. -0.00 min

Lab File: BE100935.D

Acq: 17 Dec 2019 1:36

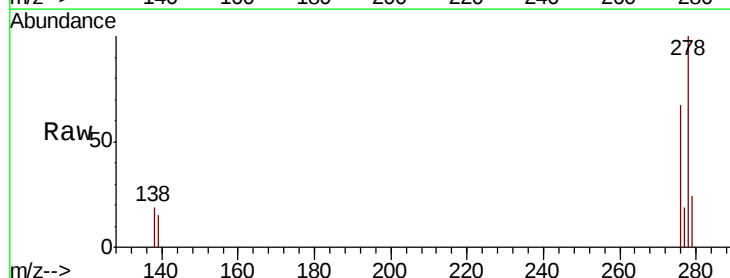
Tgt Ion:278 Resp: 22610

Ion Ratio Lower Upper

278 100

139 15.4 13.8 20.6

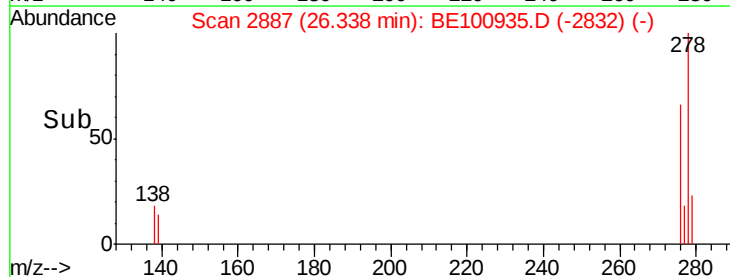
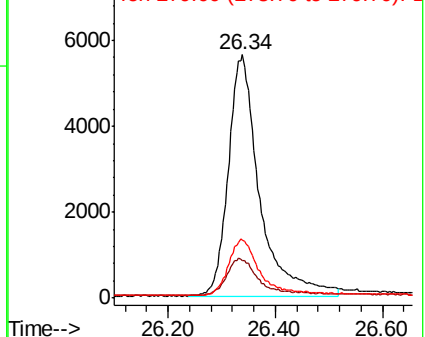
279 23.9 19.8 29.6



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: 0.448 ng

RT: 27.09 min Scan# 3098

Delta R.T. -0.01 min

Lab File: BE100935.D

Acq: 17 Dec 2019 1:36

Instrument :

BNA_E

ClientSampleId :

PB125440BS

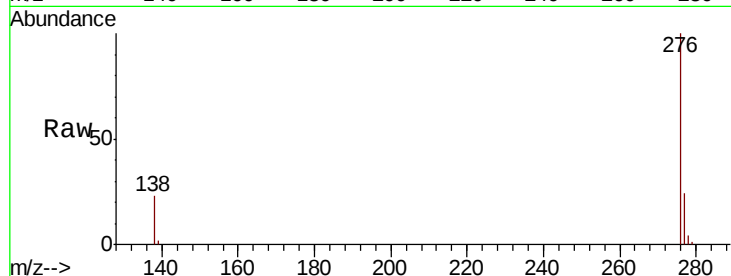
Tot Ion: 276 Resp: 26139

Ion Ratio Lower Upper

276 100

277 24.4 19.7 29.5

138 22.6 18.0 27.0



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

