

Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE121319\
 Data File : BE100913.D
 Acq On : 14 Dec 2019 8:07
 Operator : JU
 Sample : SSTDCCC0.4
 Misc :
 ALS Vial : 35 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :

Quant Time: Dec 16 00:30:41 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	5055	0.40	ng	0.00
7) Naphthalene-d8	10.54	136	24475	0.40	ng	0.00
13) Acenaphthene-d10	14.40	164	14736	0.40	ng	0.01
19) Phenanthrene-d10	17.12	188	33849	0.40	ng	0.00
27) Chrysene-d12	21.31	240	34303	0.40	ng	0.00
34) Perylene-d12	23.74	264	43034	0.40	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Fluorophenol	5.37	112	5803	0.48	ng	0.00
5) Phenol-d6	6.93	99	8733	0.48	ng	0.00
8) Nitrobenzene-d5	8.90	82	6847	0.59	ng	0.00
11) 2-Methylnaphthalene-d10	12.14	152	13936	0.39	ng	0.00
14) 2,4,6-Tribromophenol	15.86	330	1291	0.79	ng	-0.01
15) 2-Fluorobiphenyl	13.01	172	20491	0.35	ng	0.00
25) Fluoranthene-d10	19.15	212	151178	0.38	ng	0.00
29) Terphenyl-d14	19.76	244	33167	0.40	ng	0.00

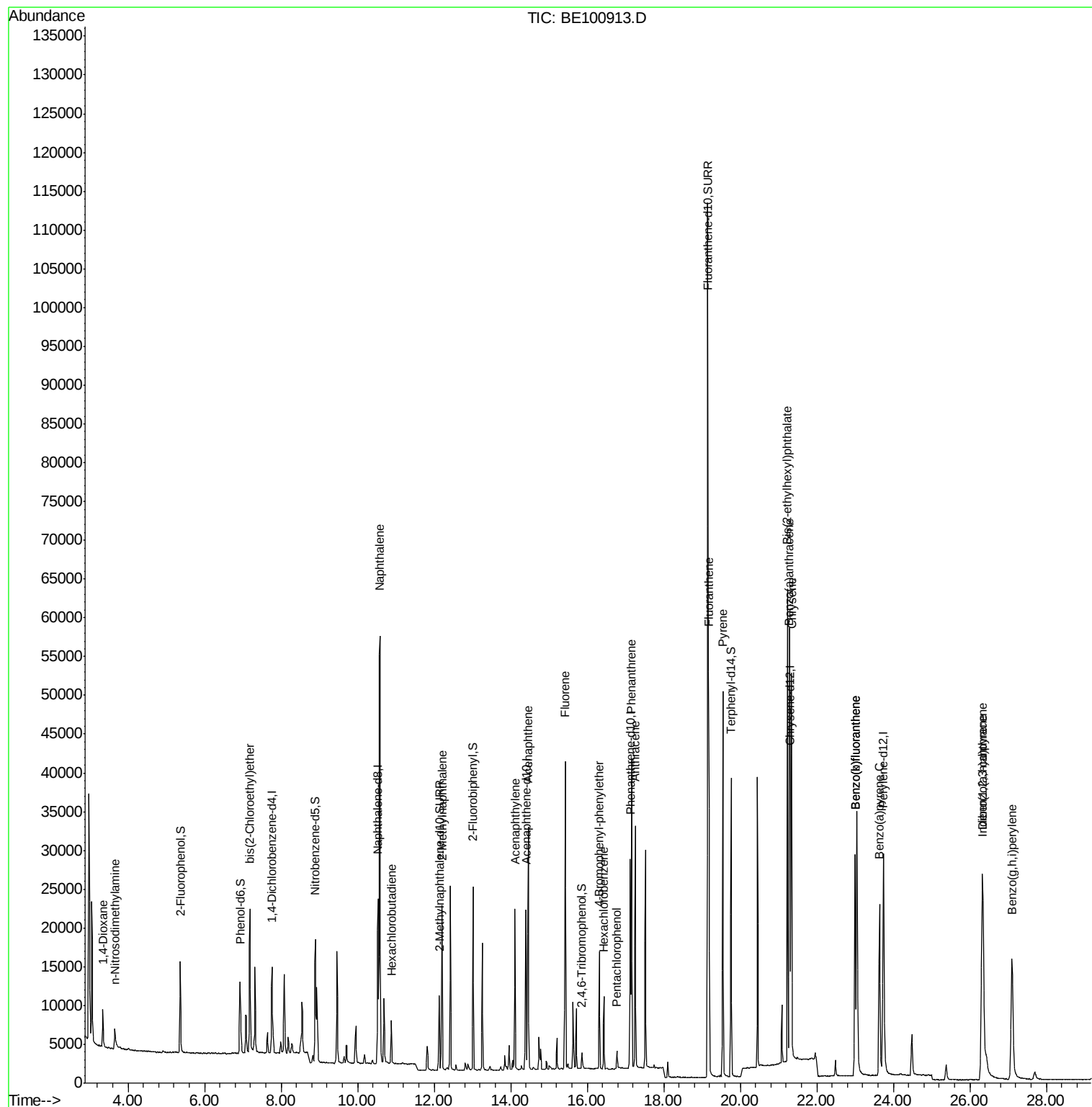
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) 1,4-Dioxane	3.34	88	3527	0.383	ng	95
3) n-Nitrosodimethylamine	3.65	42	3139	0.418	ng	# 98
6) bis(2-Chloroethyl)ether	7.19	93	6991	0.400	ng	94
9) Naphthalene	10.59	128	99318	0.382	ng	99
10) Hexachlorobutadiene	10.89	225	3753	0.370	ng	99
12) 2-Methylnaphthalene	12.21	142	15857	0.390	ng	98
16) Acenaphthylene	14.11	152	23184	0.380	ng	99
17) Acenaphthene	14.46	154	15983	0.380	ng	99
18) Fluorene	15.42	166	20737	0.383	ng	99
20) 4-Bromophenyl-phenylether	16.32	248	6212	0.374	ng	99
21) Hexachlorobenzene	16.44	284	6652	0.369	ng	99
22) Pentachlorophenol	16.77	266	1312	1.051	ng	93
23) Phenanthrene	17.16	178	38431	0.375	ng	99
24) Anthracene	17.25	178	32049	0.374	ng	99
26) Fluoranthene	19.18	202	46090	0.377	ng	100
28) Pyrene	19.55	202	46462	0.417	ng	100
30) Benzo(a)anthracene	21.28	228	44060	0.436	ng	98
31) Chrysene	21.34	228	45220	0.381	ng	97
32) Bis(2-ethylhexyl)phthalate	21.23	149	62624	0.837	ng	99
33) Indeno(1,2,3-cd)pyrene	26.32	276	46671	0.451	ng	99
35) Benzo(b)fluoranthene	23.00	252	41615	0.353	ng	99
36) Benzo(k)fluoranthene	23.00	252	41615	0.315	ng	99
37) Benzo(a)pyrene	23.64	252	36687	0.360	ng	100
38) Dibenzo(a,h)anthracene	26.35	278	37986	0.374	ng	99
39) Benzo(g,h,i)perylene	27.11	276	40337	0.372	ng	100

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

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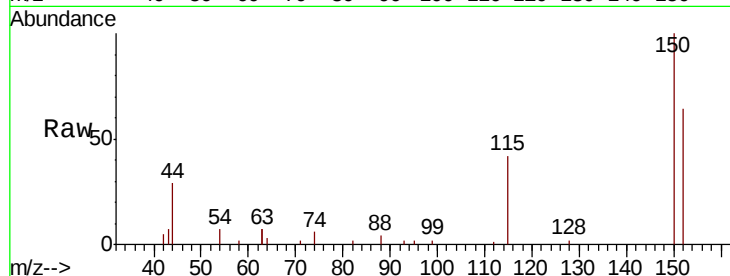


#1

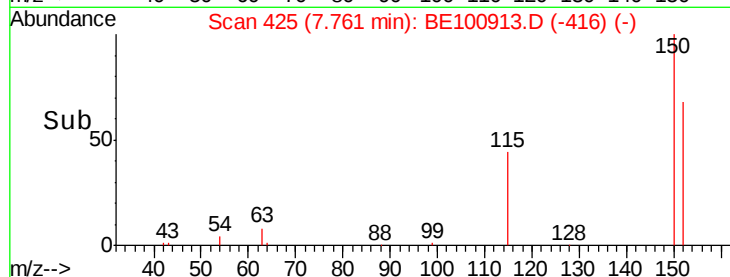
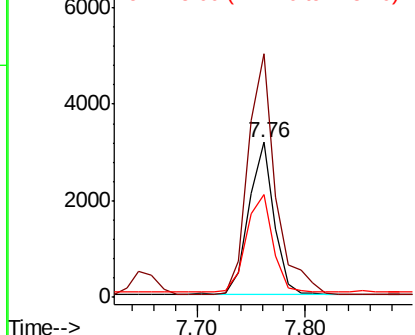
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.76 min Scan# 425
Delta R.T. 0.00 min
Lab File: BE100913.D
Acq: 14 Dec 2019 8:07

Instrument :
BNA_E
ClientSampleId :

Tot Ion:152 Resp: 5055
Ion Ratio Lower Upper
152 100
150 157.3 125.5 188.3
115 66.2 55.7 83.5



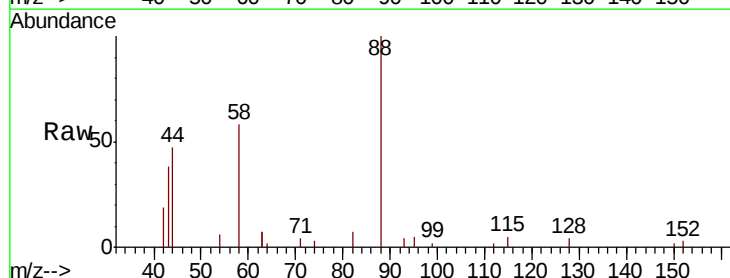
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



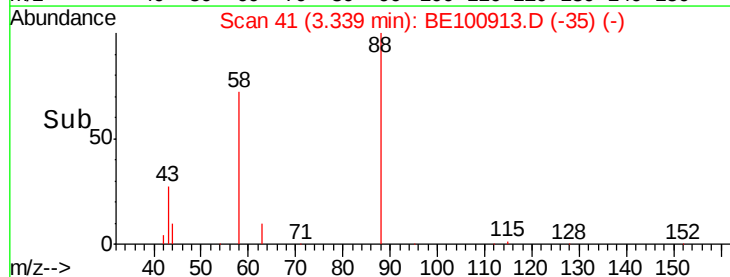
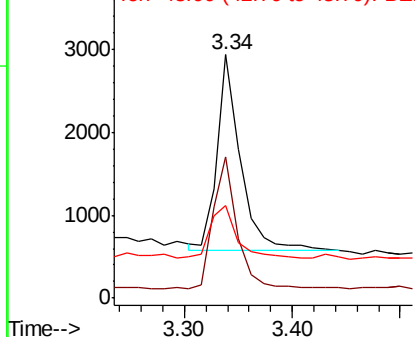
#2

1,4-Dioxane
Concen: 0.383 ng
RT: 3.34 min Scan# 41
Delta R.T. 0.00 min
Lab File: BE100913.D
Acq: 14 Dec 2019 8:07

Tgt Ion: 88 Resp: 3527
Ion Ratio Lower Upper
88 100
58 69.5 52.3 78.5
43 31.4 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: 0.418 ng

RT: 3.65 min Scan# 68

Delta R.T. 0.00 min

Lab File: BE100913.D

Acq: 14 Dec 2019 8:07

Instrument :

BNA_E

ClientSampleId :

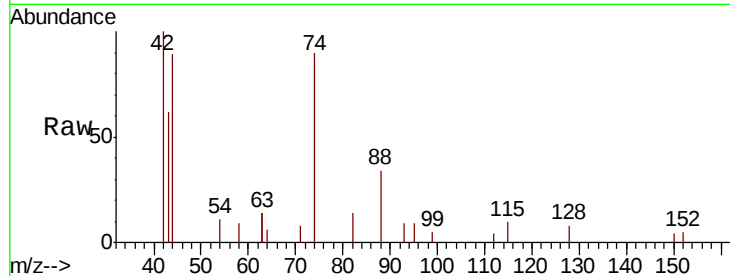
Tot Ion: 42 Resp: 3139

Ion Ratio Lower Upper

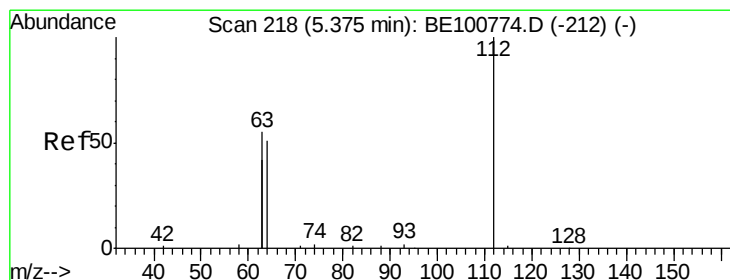
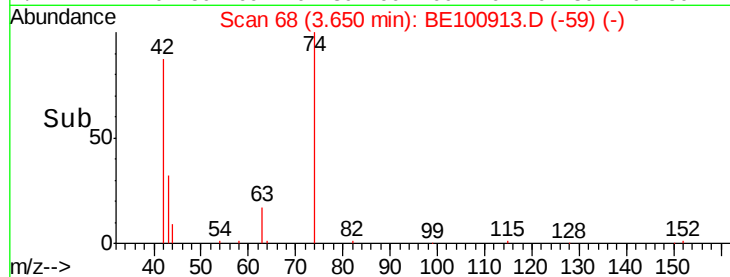
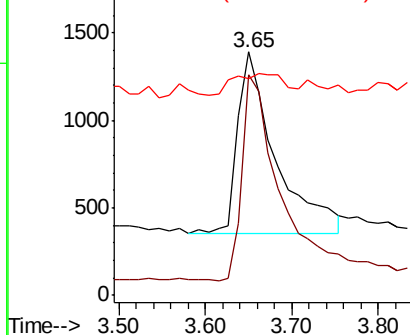
42 100

74 114.5 90.3 135.5

44 15.8 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: 0.484 ng

RT: 5.37 min Scan# 217

Delta R.T. -0.01 min

Lab File: BE100913.D

Acq: 14 Dec 2019 8:07

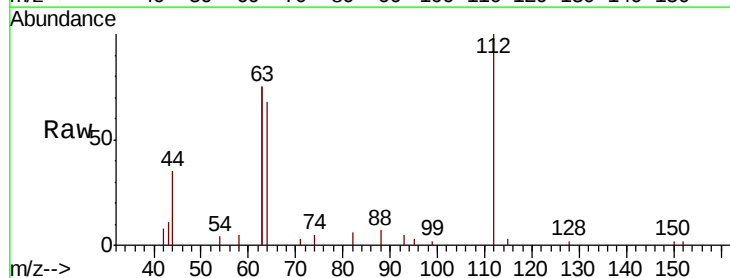
Tgt Ion: 112 Resp: 5803

Ion Ratio Lower Upper

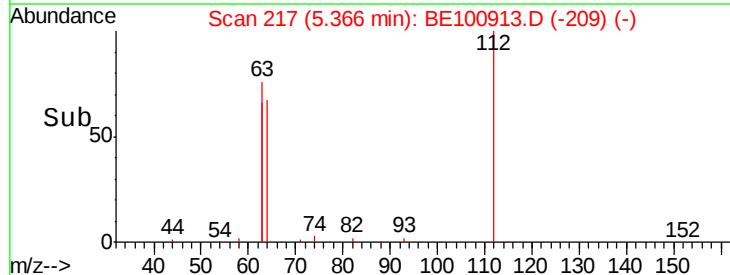
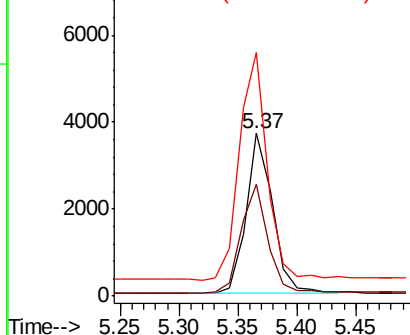
112 100

64 67.8 54.5 81.7

63 147.8 116.1 174.1



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: 0.482 ng

RT: 6.93 min Scan# 353

Delta R.T. 0.00 min

Lab File: BE100913.D

Acq: 14 Dec 2019 8:07

Instrument :

BNA_E

ClientSampleId :

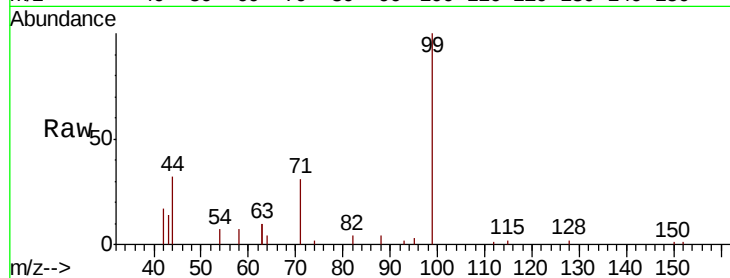
Tot Ion: 99 Resp: 8733

Ion Ratio Lower Upper

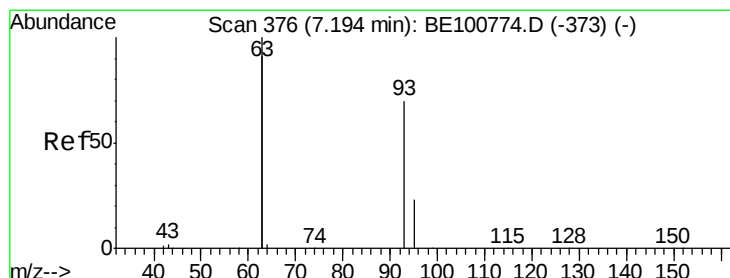
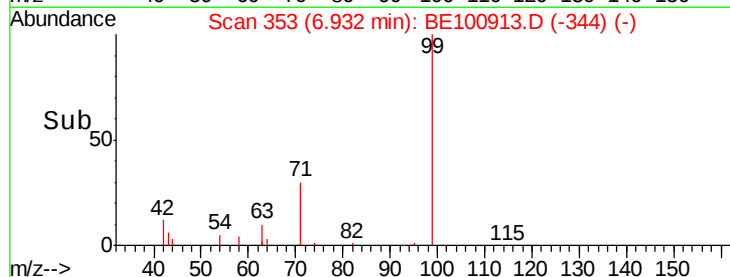
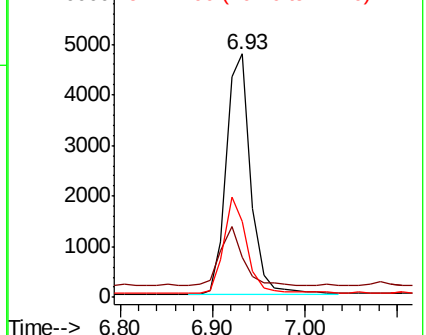
99 100

42 22.7 18.2 27.2

71 38.0 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: 0.400 ng

RT: 7.19 min Scan# 375

Delta R.T. 0.00 min

Lab File: BE100913.D

Acq: 14 Dec 2019 8:07

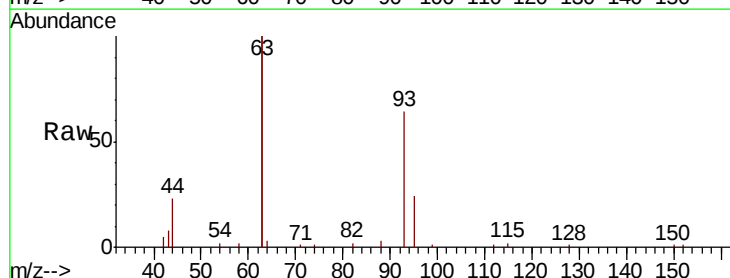
Tgt Ion: 93 Resp: 6991

Ion Ratio Lower Upper

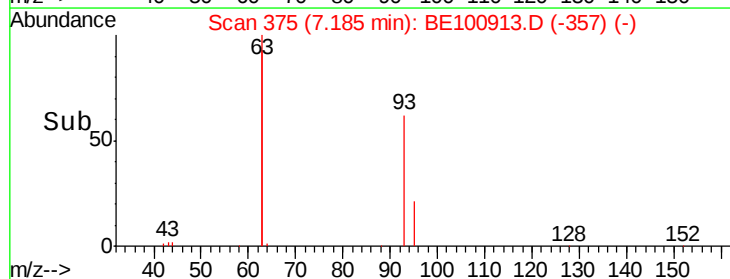
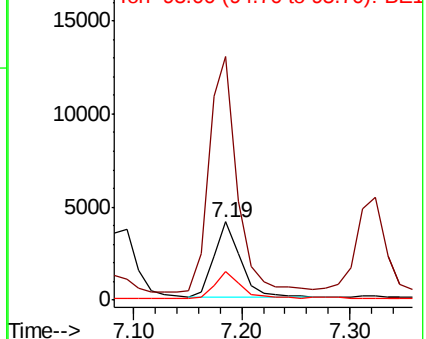
93 100

63 329.6 253.9 380.9

95 34.4 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: BE100913.D

Acq: 14 Dec 2019 8:07

Instrument :

BNA_E

ClientSampleId :

Tot Ion:136 Resp: 24475

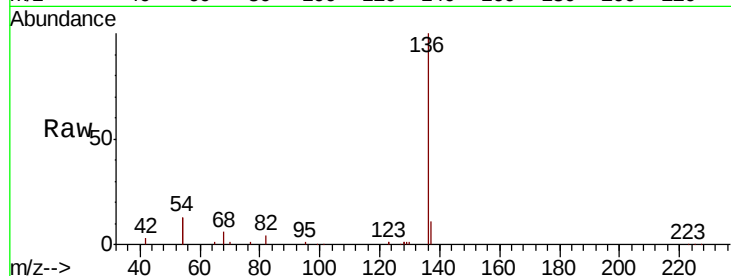
Ion Ratio Lower Upper

136 100

137 11.0 9.1 13.7

54 25.8 18.9 28.3

68 5.7 4.6 6.8

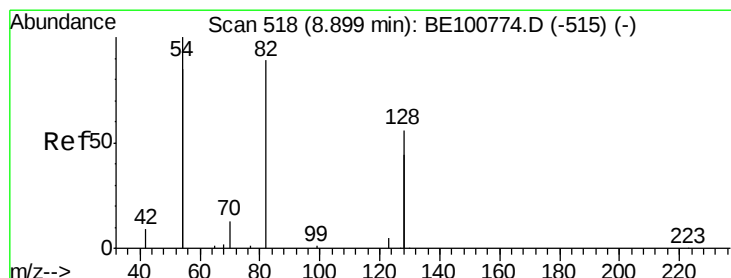
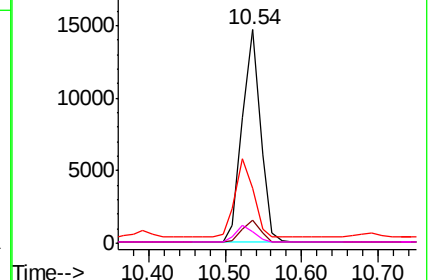
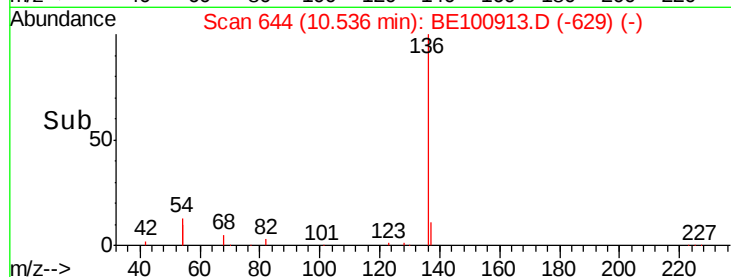


Abundance Ion 136.00 (135.70 to 136.70): E

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: 0.587 ng

RT: 8.90 min Scan# 518

Delta R.T. -0.00 min

Lab File: BE100913.D

Acq: 14 Dec 2019 8:07

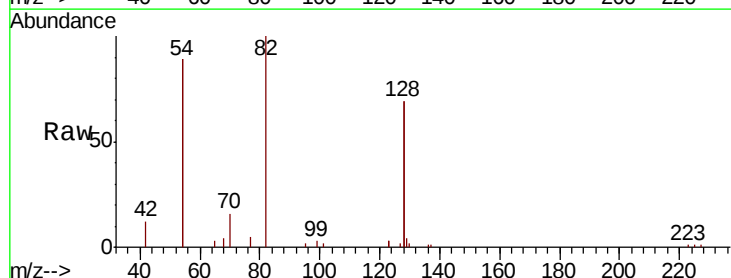
Tgt Ion: 82 Resp: 6847

Ion Ratio Lower Upper

82 100

128 137.2 113.5 170.3

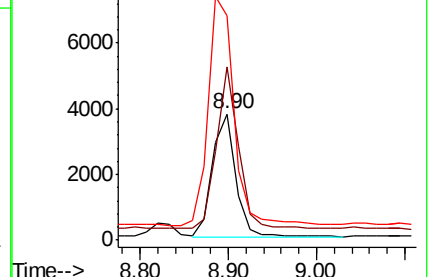
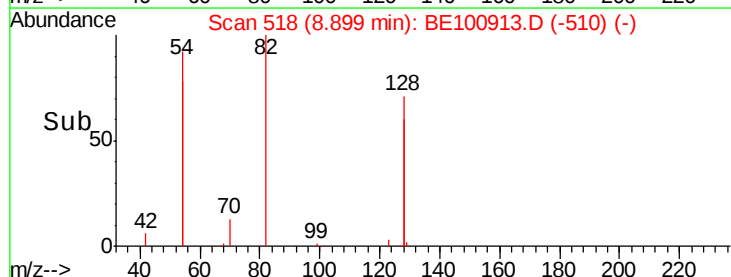
54 177.5 138.9 208.3



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: 0.382 ng

RT: 10.59 min Scan# 648

Delta R.T. 0.01 min

Lab File: BE100913.D

Acq: 14 Dec 2019 8:07

Instrument :

BNA_E

ClientSampleId :

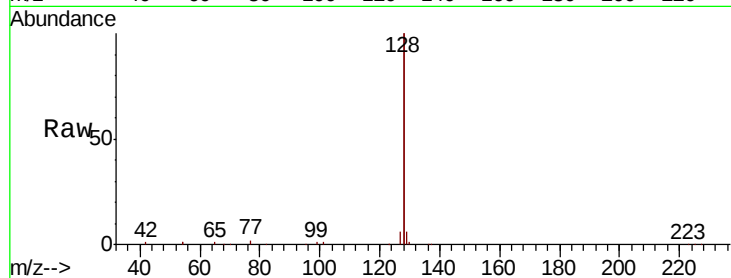
Tot Ion:128 Resp: 99318

Ion Ratio Lower Upper

128 100

129 2.9 2.2 3.4

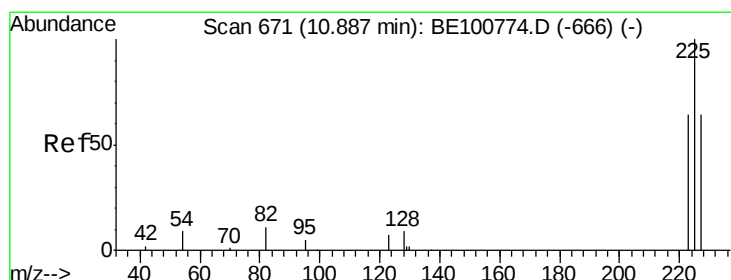
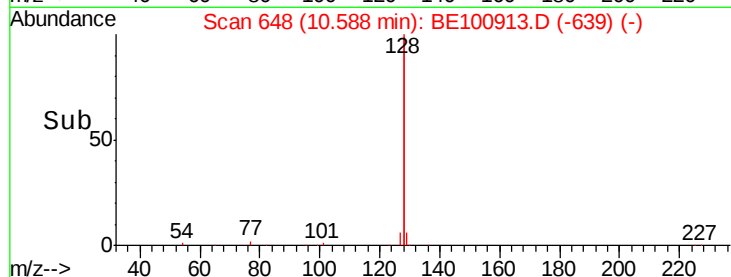
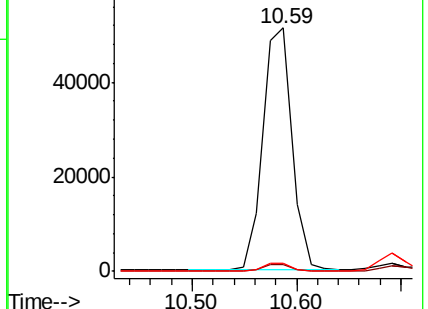
127 3.2 2.8 4.2



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: 0.370 ng

RT: 10.89 min Scan# 671

Delta R.T. -0.00 min

Lab File: BE100913.D

Acq: 14 Dec 2019 8:07

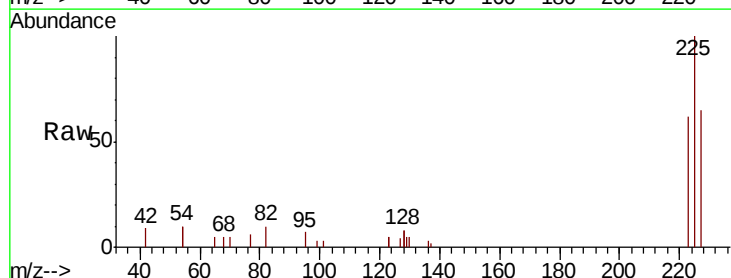
Tgt Ion:225 Resp: 3753

Ion Ratio Lower Upper

225 100

223 65.5 52.1 78.1

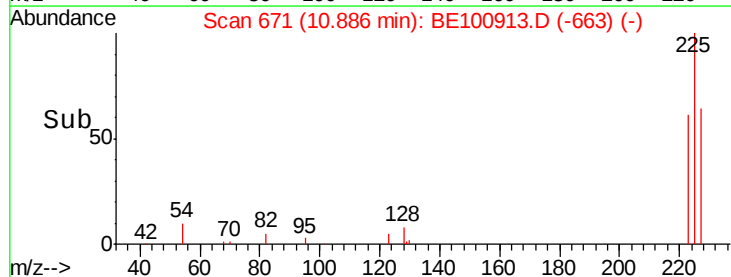
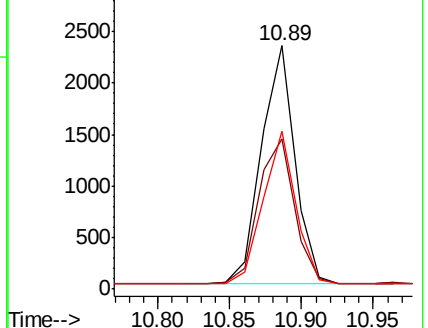
227 62.5 51.1 76.7

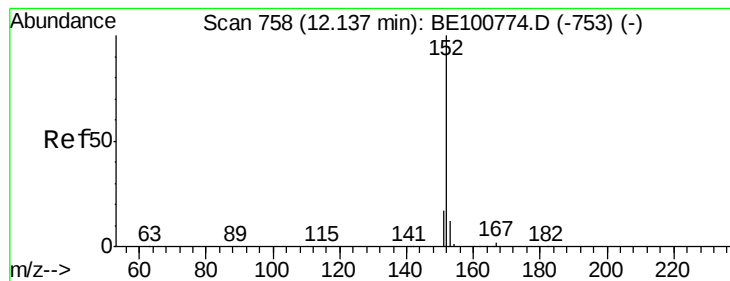


Abundance Ion 225.00 (224.70 to 225.70): E

Ion 223.00 (222.70 to 223.70): E

Ion 227.00 (226.70 to 227.70): E





#11

2-Methylnaphthalene-d10

Concen: 0.393 ng

RT: 12.14 min Scan# 758

Delta R.T. -0.00 min

Lab File: BE100913.D

Acq: 14 Dec 2019 8:07

Instrument :

BNA_E

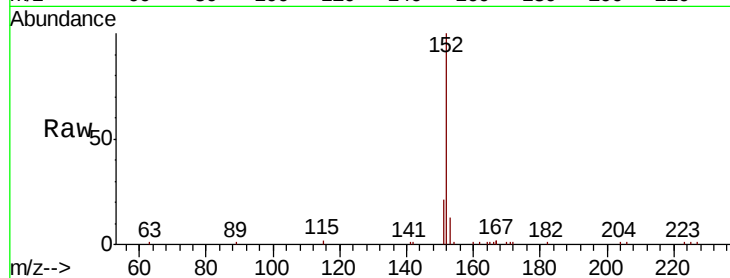
ClientSampleId :

Tot Ion:152 Resp: 13936

Ion Ratio Lower Upper

152 100

151 19.8 15.1 22.7



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

12.14

8000

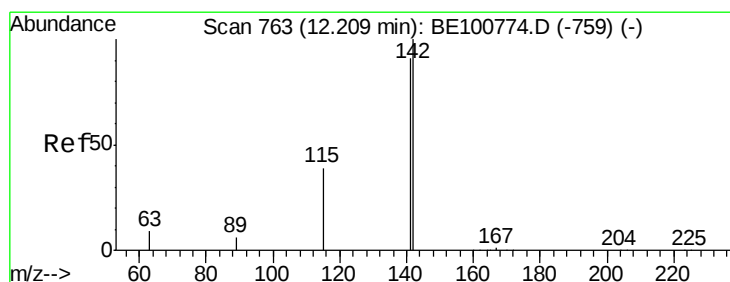
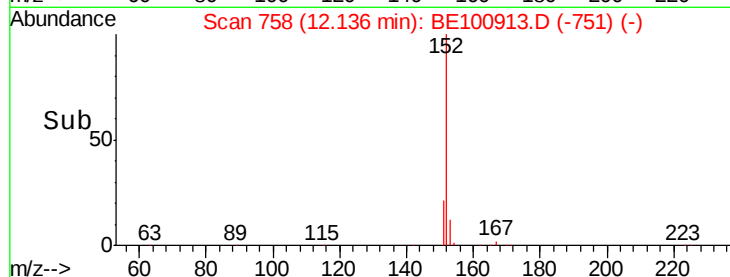
6000

4000

2000

0

Time--> 12.00 12.10 12.20 12.30



#12

2-Methylnaphthalene

Concen: 0.390 ng

RT: 12.21 min Scan# 763

Delta R.T. -0.00 min

Lab File: BE100913.D

Acq: 14 Dec 2019 8:07

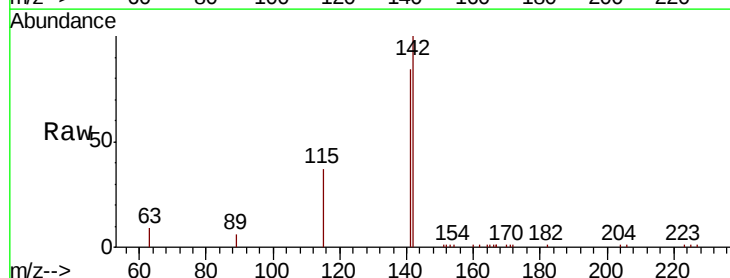
Tgt Ion:142 Resp: 15857

Ion Ratio Lower Upper

142 100

141 84.3 68.9 103.3

115 37.4 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

12.21

12000

10000

8000

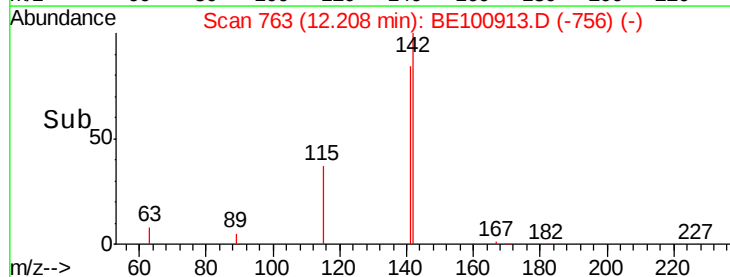
6000

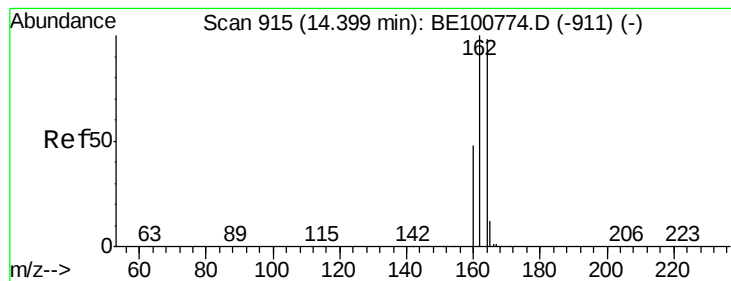
4000

2000

0

Time--> 12.10 12.20 12.30





#13

Acenaphthene-d10

Concen: 0.400 ng

RT: 14.40 min Scan# 915

Delta R.T. 0.01 min

Lab File: BE100913.D

Acq: 14 Dec 2019 8:07

Instrument :

BNA_E

ClientSampleId :

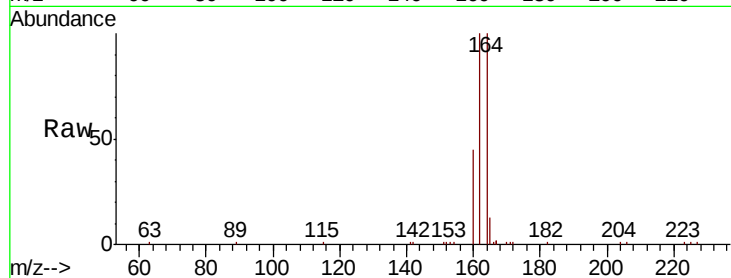
Tot Ion:164 Resp: 14736

Ion Ratio Lower Upper

164 100

162 100.5 86.0 129.0

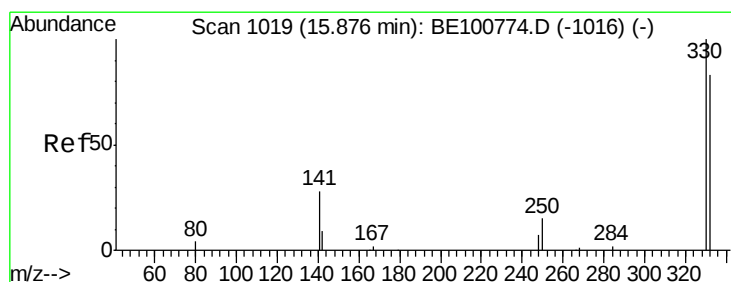
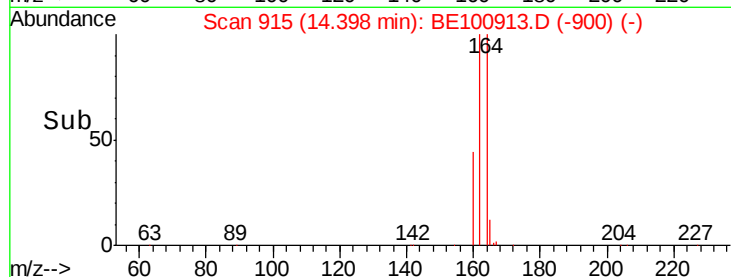
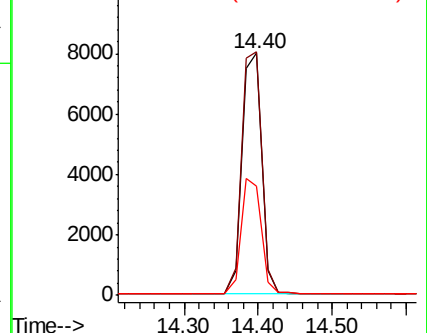
160 45.0 42.3 63.5



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: 0.788 ng

RT: 15.86 min Scan# 1018

Delta R.T. -0.01 min

Lab File: BE100913.D

Acq: 14 Dec 2019 8:07

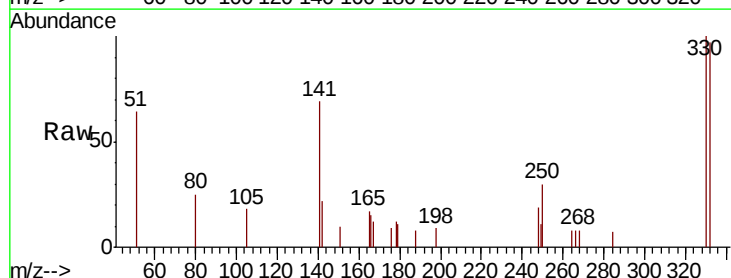
Tgt Ion:330 Resp: 1291

Ion Ratio Lower Upper

330 100

332 97.1 74.1 111.1

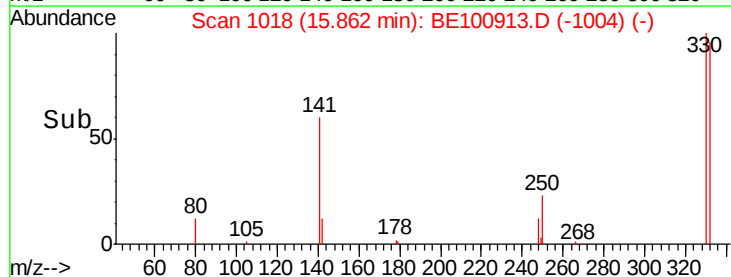
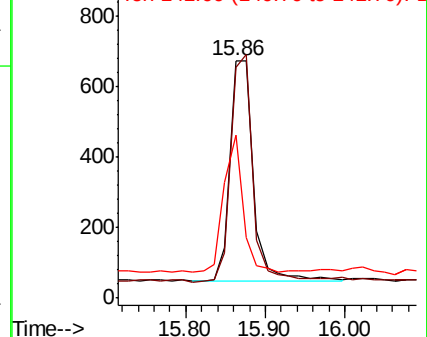
141 51.1 46.7 70.1



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

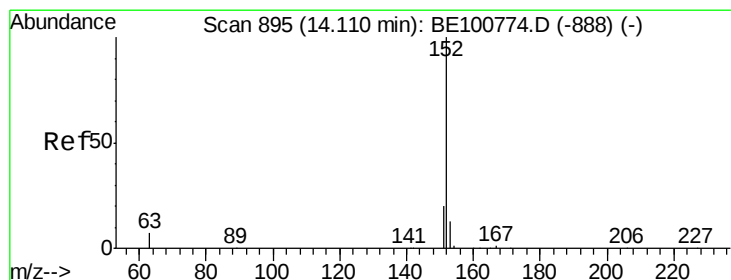
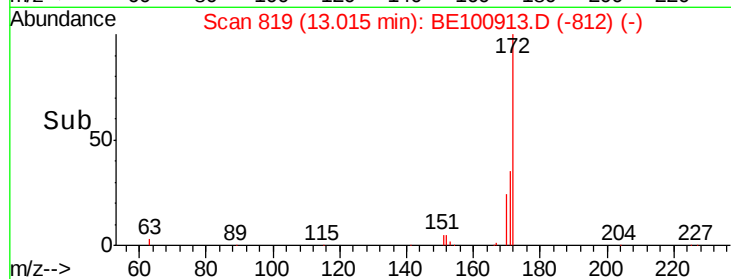
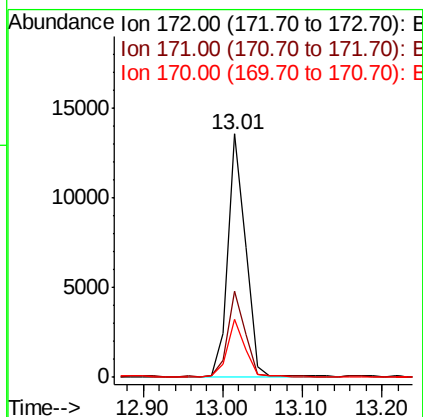
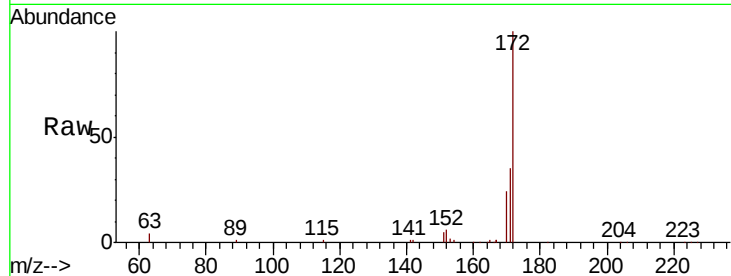




#15
2-Fluorobiphenyl
Concen: 0.351 ng
RT: 13.01 min Scan# 819
Delta R.T. -0.00 min
Lab File: BE100913.D
Acq: 14 Dec 2019 8:07

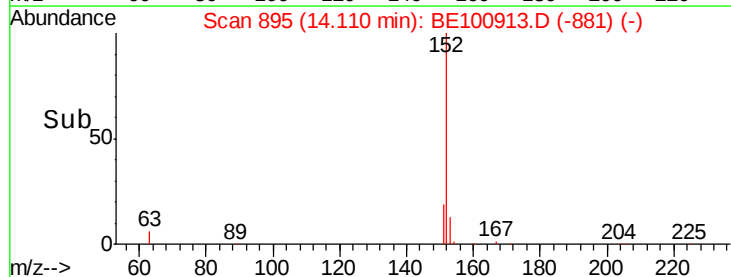
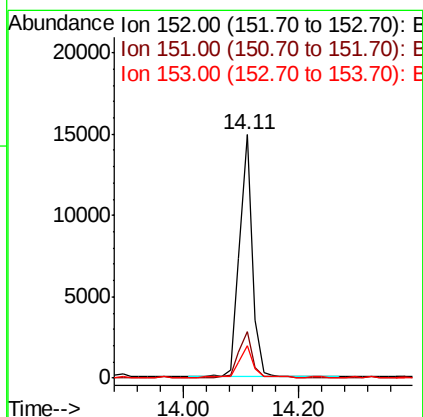
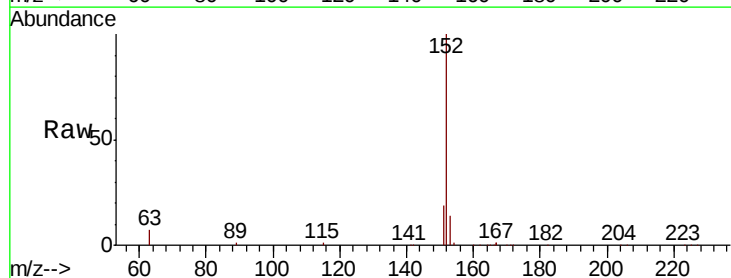
Instrument :
BNA_E
ClientSampleId :

Tot Ion:172 Resp: 20491
Ion Ratio Lower Upper
172 100
171 35.2 28.2 42.4
170 23.9 19.4 29.0



#16
Acenaphthylene
Concen: 0.380 ng
RT: 14.11 min Scan# 895
Delta R.T. -0.00 min
Lab File: BE100913.D
Acq: 14 Dec 2019 8:07

Tgt Ion:152 Resp: 23184
Ion Ratio Lower Upper
152 100
151 19.4 15.9 23.9
153 13.2 10.5 15.7





#17

Acenaphthene

Concen: 0.380 ng

RT: 14.46 min Scan# 919

Delta R.T. -0.00 min

Lab File: BE100913.D

Acq: 14 Dec 2019 8:07

Instrument :

BNA_E

ClientSampleId :

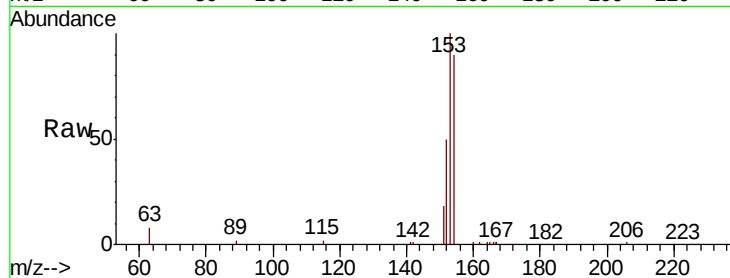
Tot Ion:154 Resp: 15983

Ion Ratio Lower Upper

154 100

153 113.6 91.5 137.3

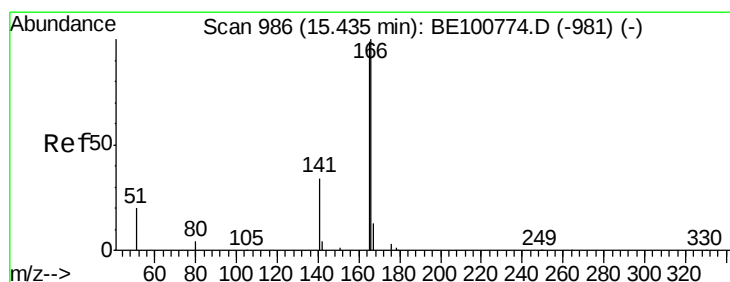
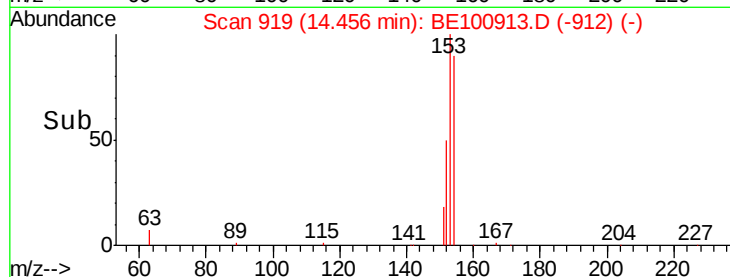
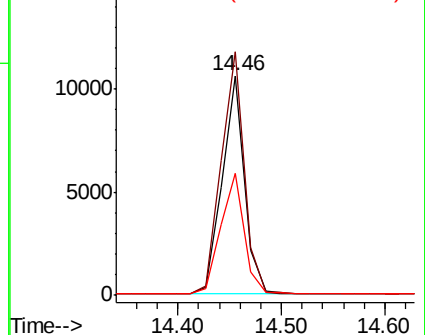
152 57.7 47.7 71.5



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: 0.383 ng

RT: 15.42 min Scan# 985

Delta R.T. 0.00 min

Lab File: BE100913.D

Acq: 14 Dec 2019 8:07

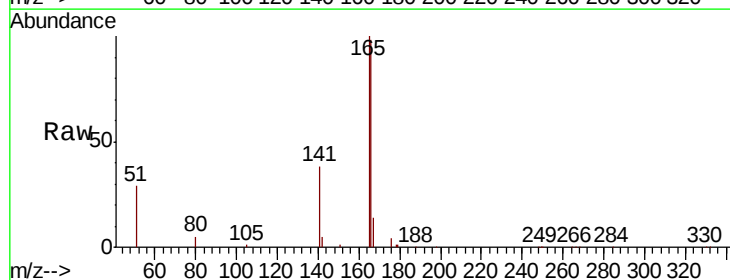
Tgt Ion:166 Resp: 20737

Ion Ratio Lower Upper

166 100

165 98.8 80.2 120.4

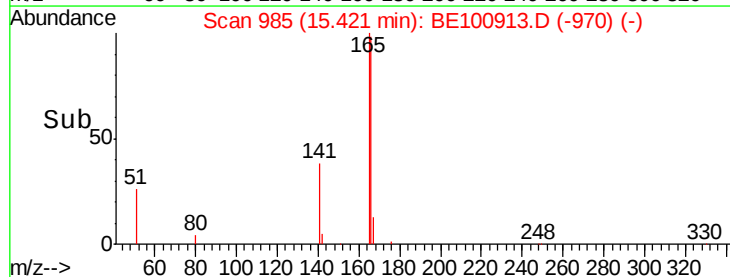
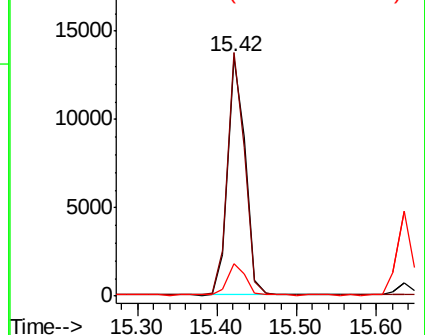
167 13.7 10.6 16.0



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: BE100913.D

Acq: 14 Dec 2019 8:07

Instrument :

BNA_E

ClientSampleId :

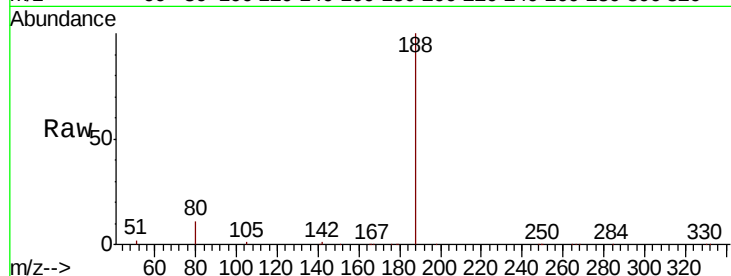
Tot Ion:188 Resp: 33849

Ion Ratio Lower Upper

188 100

94 0.0 0.0 0.0

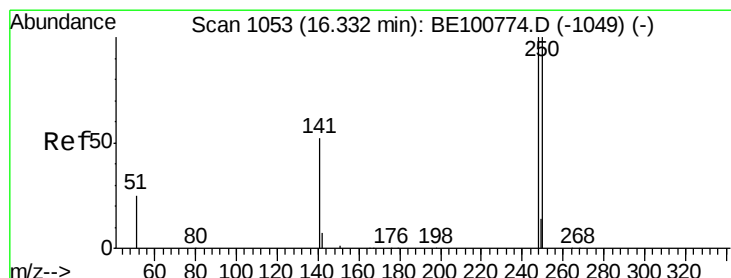
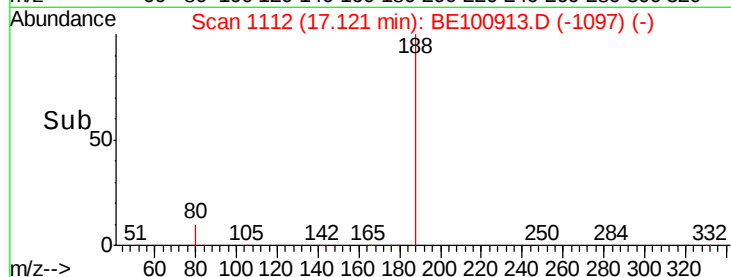
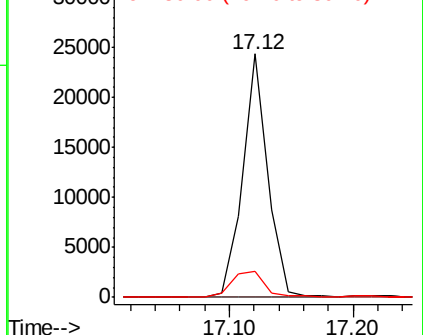
80 10.6 7.9 11.9



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: 0.374 ng

RT: 16.32 min Scan# 1052

Delta R.T. 0.00 min

Lab File: BE100913.D

Acq: 14 Dec 2019 8:07

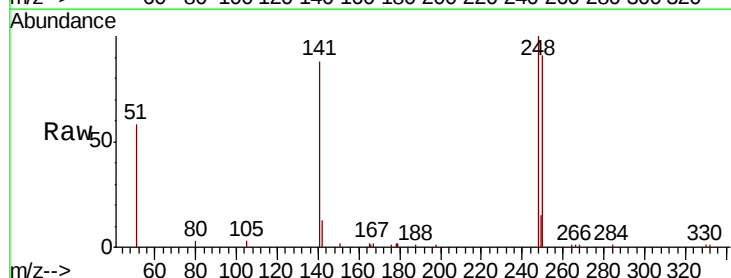
Tgt Ion:248 Resp: 6212

Ion Ratio Lower Upper

248 100

250 90.5 72.4 108.6

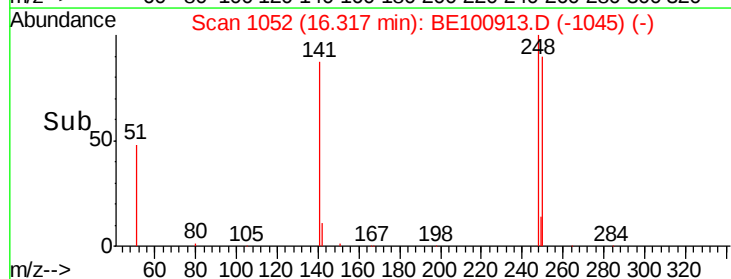
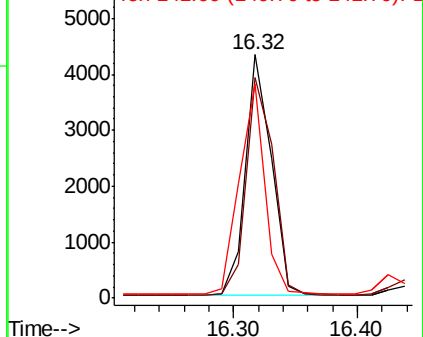
141 87.8 68.2 102.2



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

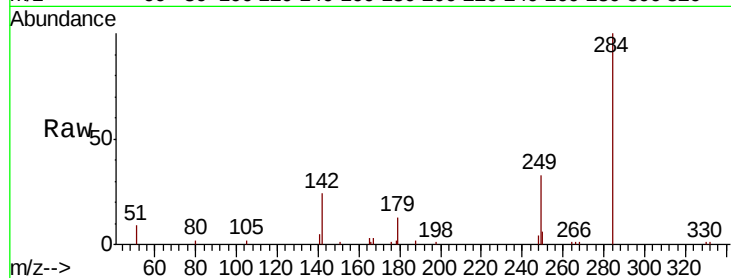




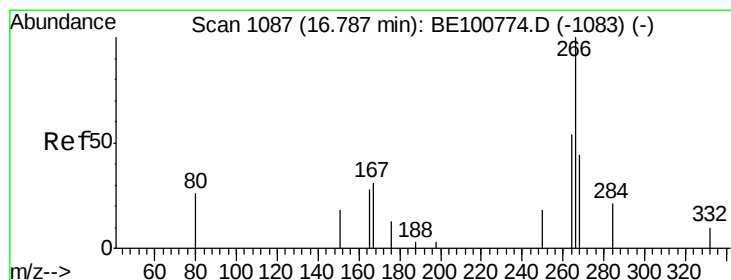
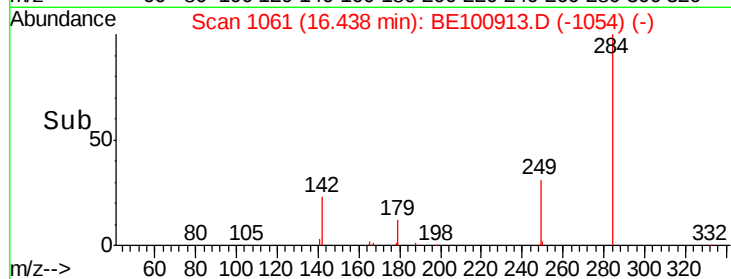
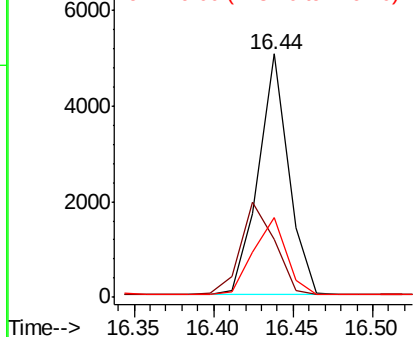
#21
Hexachlorobenzene
Concen: 0.369 ng
RT: 16.44 min Scan# 1061
Delta R.T. 0.00 min
Lab File: BE100913.D
Acq: 14 Dec 2019 8:07

Instrument :
BNA_E
ClientSampleId :

Tot Ion:284 Resp: 6652
Ion Ratio Lower Upper
284 100
142 42.4 35.0 52.4
249 35.0 28.1 42.1

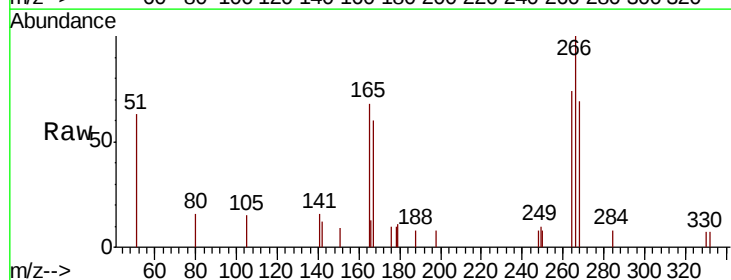


Abundance Ion 283.80 (283.50 to 284.50): E
Ion 142.00 (141.70 to 142.70): E
Ion 249.00 (248.70 to 249.70): E

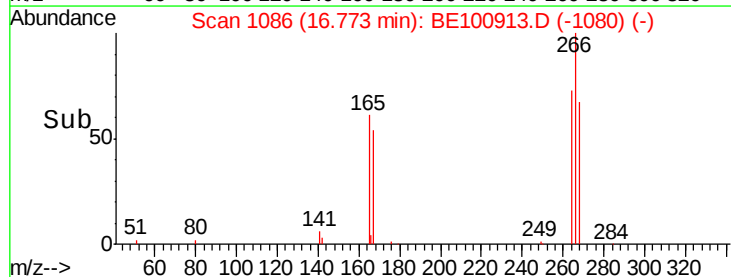
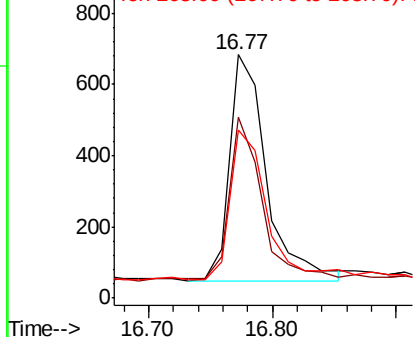


#22
Pentachlorophenol
Concen: 1.051 ng
RT: 16.77 min Scan# 1086
Delta R.T. -0.01 min
Lab File: BE100913.D
Acq: 14 Dec 2019 8:07

Tgt Ion:266 Resp: 1312
Ion Ratio Lower Upper
266 100
264 74.4 55.1 82.7
268 68.9 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: 0.375 ng

RT: 17.16 min Scan# 1115

Delta R.T. 0.00 min

Lab File: BE100913.D

Acq: 14 Dec 2019 8:07

Instrument :

BNA_E

ClientSampleId :

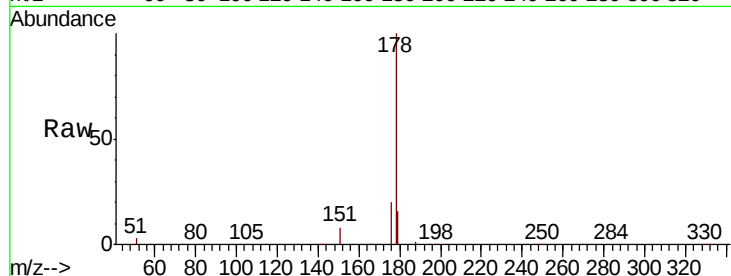
Tot Ion:178 Resp: 38431

Ion Ratio Lower Upper

178 100

176 19.3 15.6 23.4

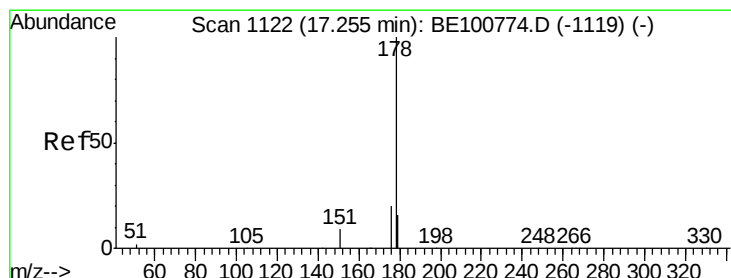
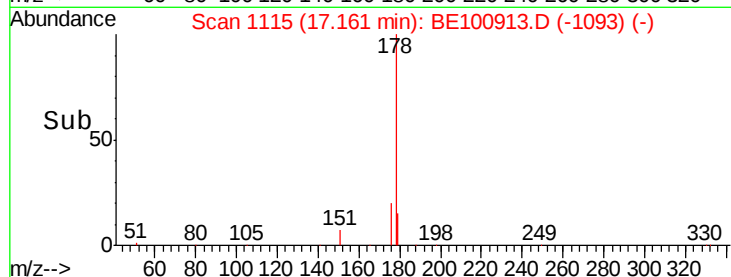
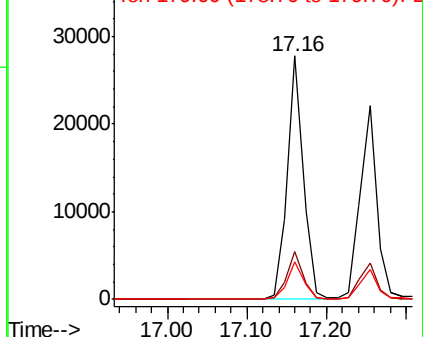
179 15.4 11.9 17.9



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: 0.374 ng

RT: 17.25 min Scan# 1122

Delta R.T. 0.00 min

Lab File: BE100913.D

Acq: 14 Dec 2019 8:07

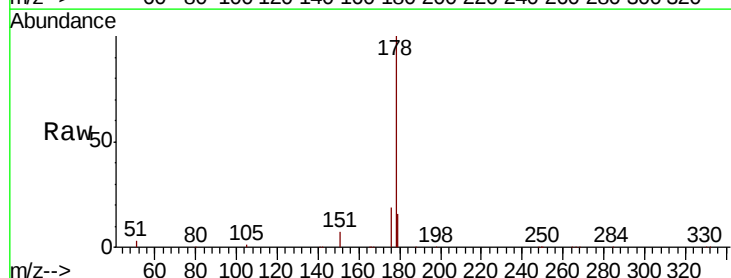
Tgt Ion:178 Resp: 32049

Ion Ratio Lower Upper

178 100

176 18.8 14.7 22.1

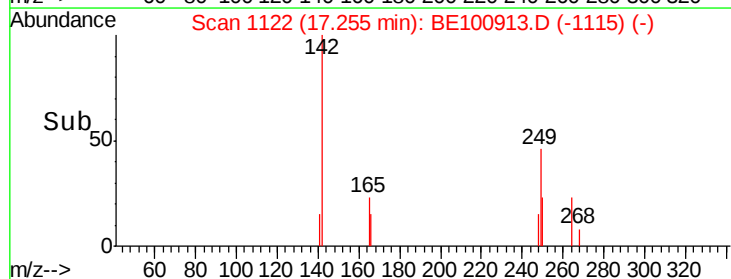
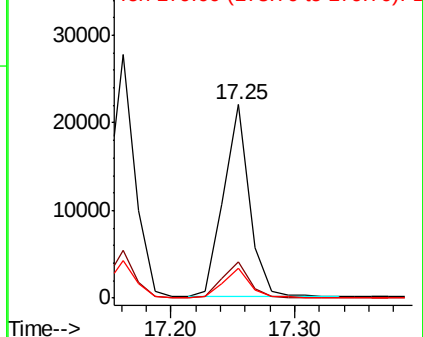
179 15.5 12.2 18.4

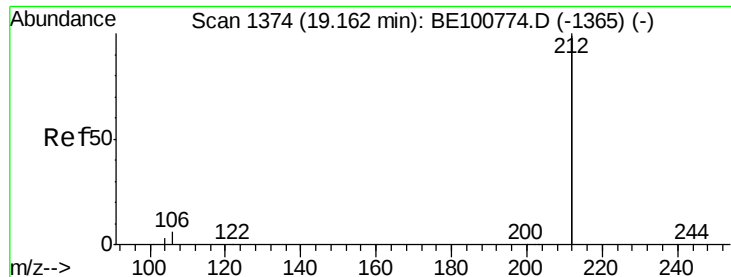


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#25

Fluoranthene-d10

Concen: 0.378 ng

RT: 19.15 min Scan# 1372

Delta R.T. 0.00 min

Lab File: BE100913.D

Acq: 14 Dec 2019 8:07

Instrument :

BNA_E

ClientSampled :

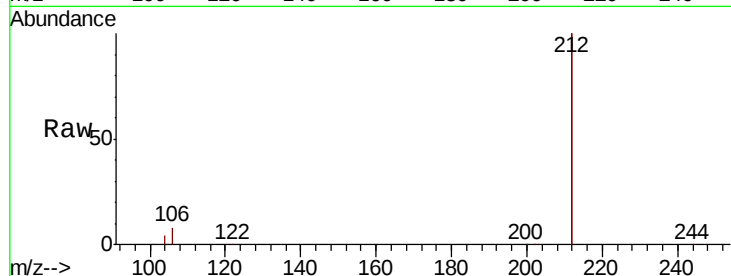
Tot Ion:212 Resp: 151178

Ion Ratio Lower Upper

212 100

106 3.4 2.6 4.0

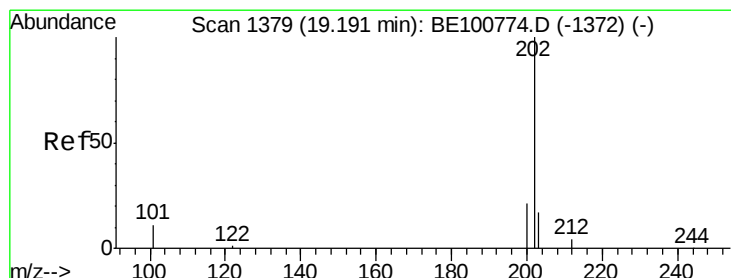
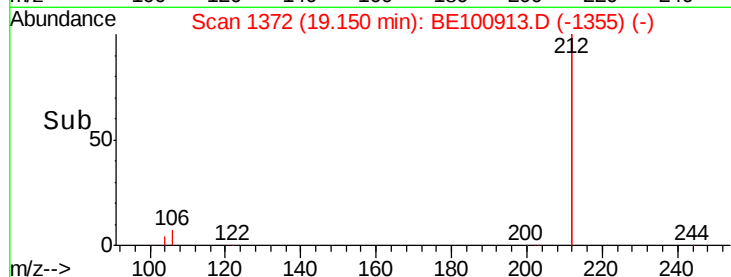
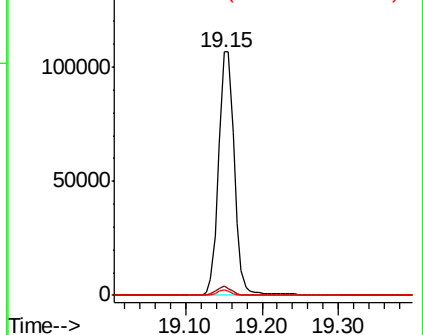
104 1.9 1.4 2.2



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: 0.377 ng

RT: 19.18 min Scan# 1378

Delta R.T. 0.00 min

Lab File: BE100913.D

Acq: 14 Dec 2019 8:07

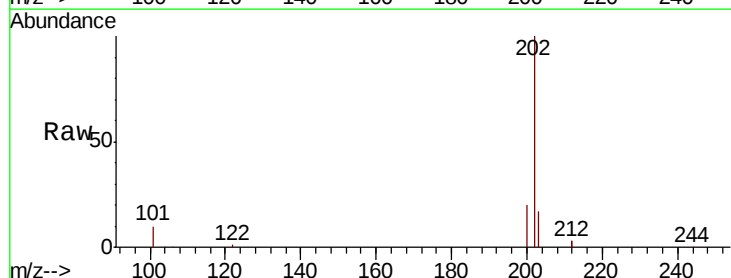
Tgt Ion:202 Resp: 46090

Ion Ratio Lower Upper

202 100

101 11.9 9.4 14.0

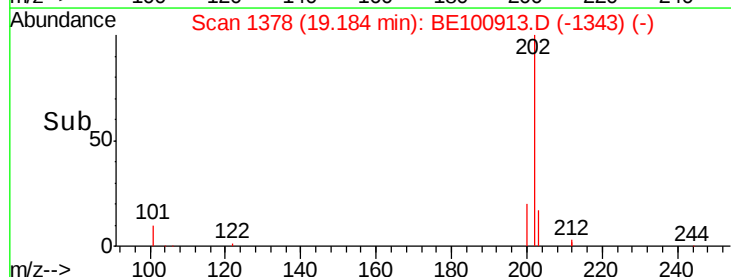
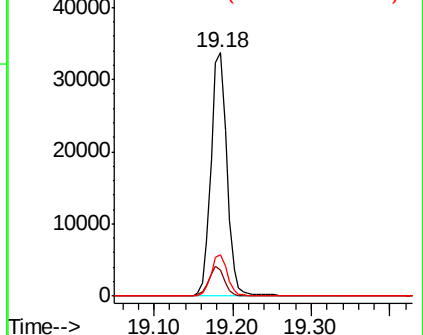
203 17.0 13.7 20.5



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

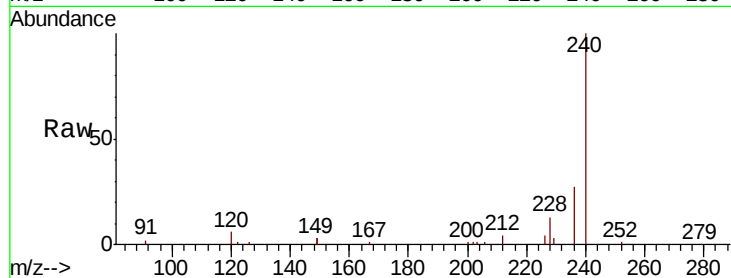




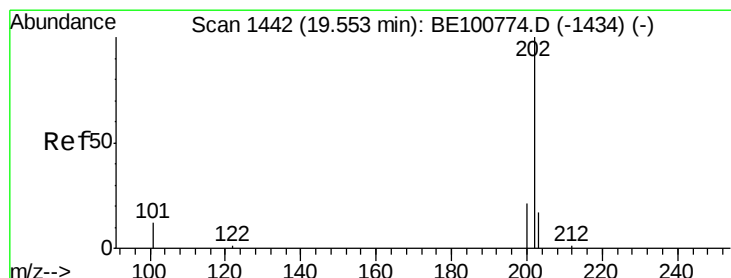
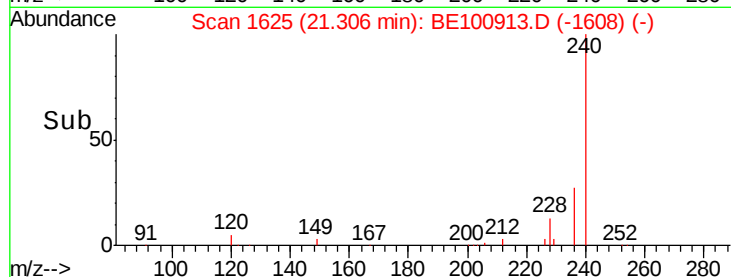
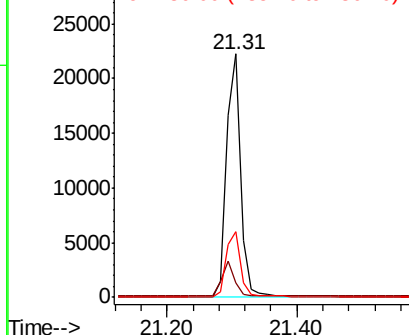
#27
Chrysene-d12
Concen: 0.400 ng
RT: 21.31 min Scan# 1625
Delta R.T. 0.00 min
Lab File: BE100913.D
Acq: 14 Dec 2019 8:07

Instrument :
BNA_E
ClientSampleId :

Tot Ion:240 Resp: 34303
Ion Ratio Lower Upper
240 100
120 5.9 4.0 6.0
236 26.9 21.6 32.4

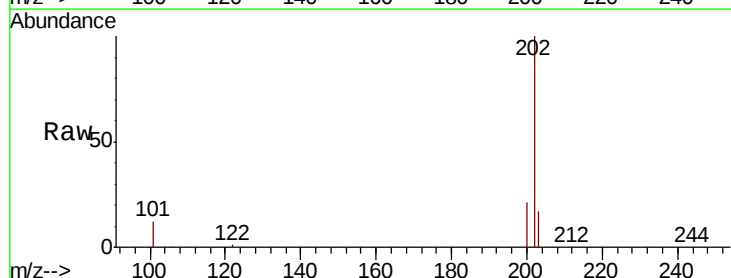


Abundance Ion 240.00 (239.70 to 240.70): E
Ion 120.00 (119.70 to 120.70): E
Ion 236.00 (235.70 to 236.70): E

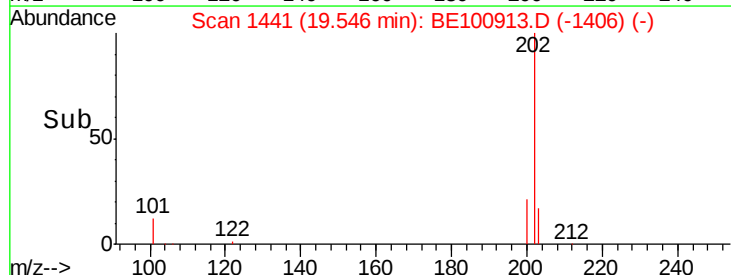
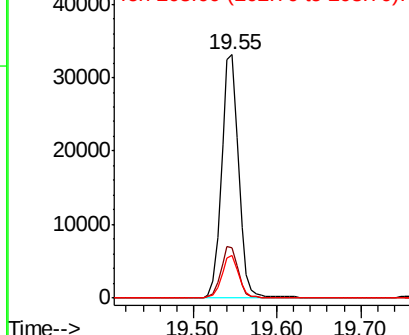


#28
Pyrene
Concen: 0.417 ng
RT: 19.55 min Scan# 1441
Delta R.T. 0.00 min
Lab File: BE100913.D
Acq: 14 Dec 2019 8:07

Tgt Ion:202 Resp: 46462
Ion Ratio Lower Upper
202 100
200 21.1 17.0 25.4
203 17.2 13.8 20.8



Abundance Ion 202.00 (201.70 to 202.70): E
Ion 200.00 (199.70 to 200.70): E
Ion 203.00 (202.70 to 203.70): E





#29

Terphenyl-d14

Concen: 0.404 ng

RT: 19.76 min Scan# 1478

Delta R.T. 0.00 min

Lab File: BE100913.D

Acq: 14 Dec 2019 8:07

Instrument :

BNA_E

ClientSampleId :

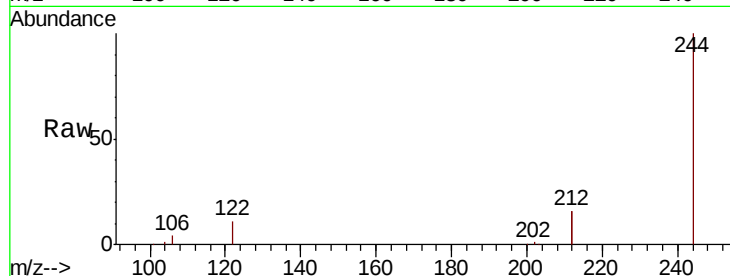
Tot Ion:244 Resp: 33167

Ion Ratio Lower Upper

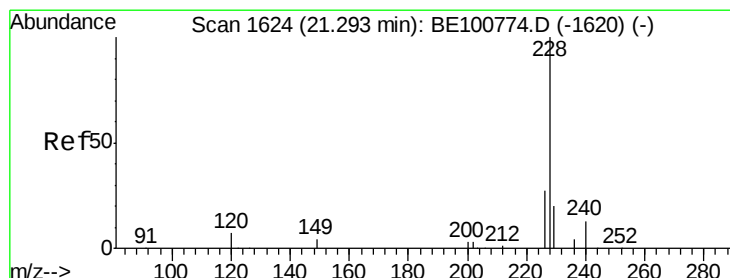
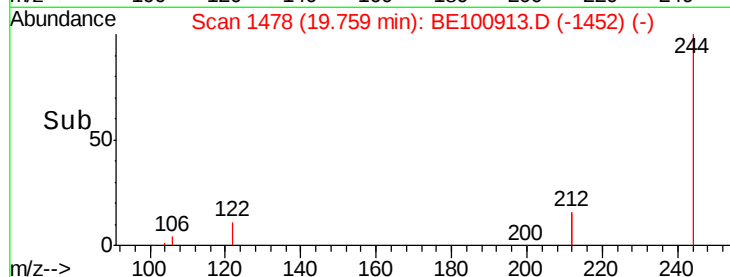
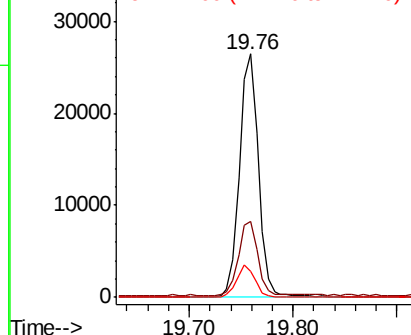
244 100

212 31.0 25.2 37.8

122 10.8 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: 0.436 ng

RT: 21.28 min Scan# 1623

Delta R.T. 0.00 min

Lab File: BE100913.D

Acq: 14 Dec 2019 8:07

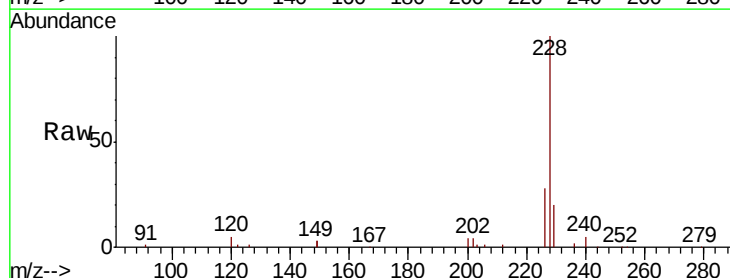
Tgt Ion:228 Resp: 44060

Ion Ratio Lower Upper

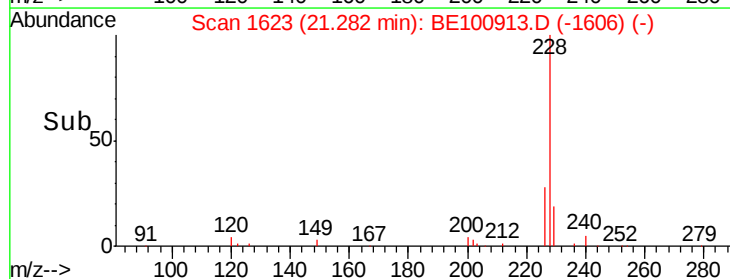
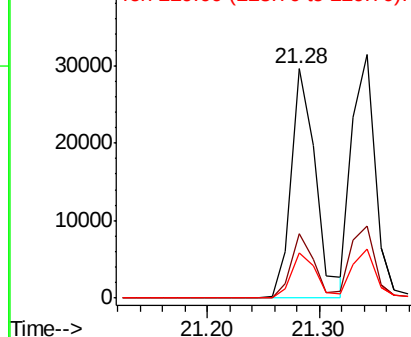
228 100

226 28.2 21.4 32.0

229 19.5 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: 0.381 ng

RT: 21.34 min Scan# 1628

Delta R.T. 0.01 min

Lab File: BE100913.D

Acq: 14 Dec 2019 8:07

Instrument :

BNA_E

ClientSampleId :

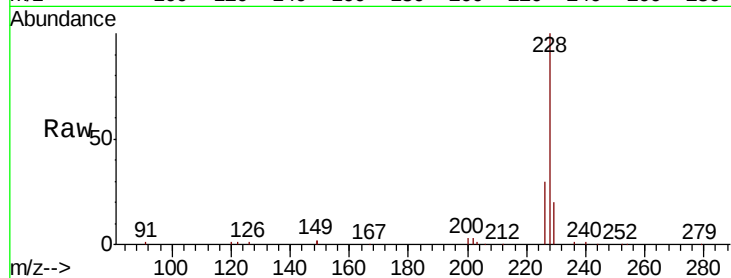
Tot Ion:228 Resp: 45220

Ion Ratio Lower Upper

228 100

226 29.7 25.3 37.9

229 20.1 15.2 22.8

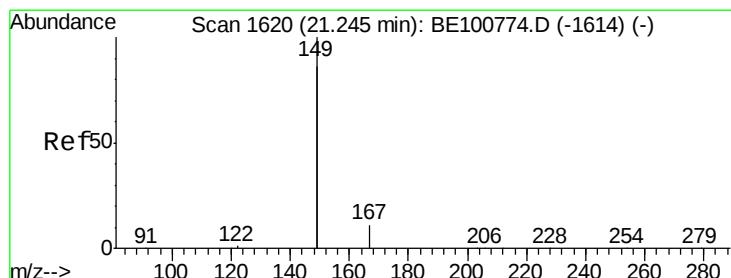
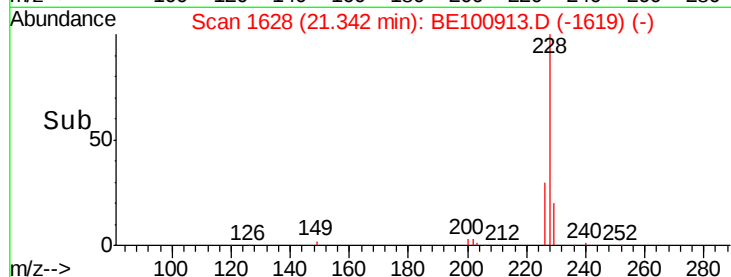
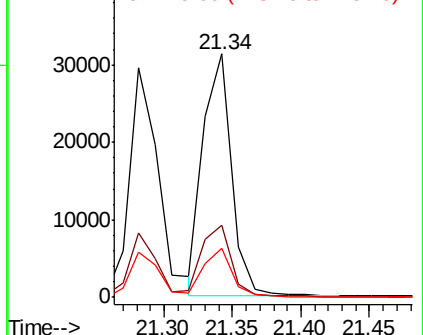


Abundance

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: 0.837 ng

RT: 21.23 min Scan# 1619

Delta R.T. 0.00 min

Lab File: BE100913.D

Acq: 14 Dec 2019 8:07

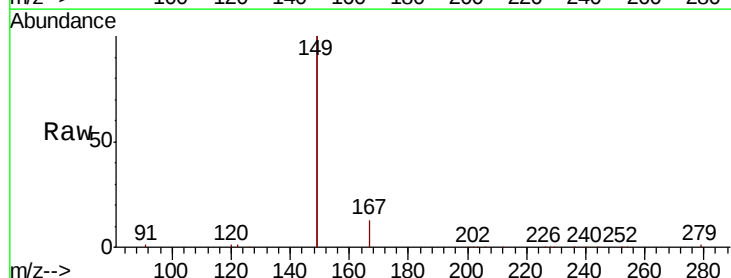
Tgt Ion:149 Resp: 62624

Ion Ratio Lower Upper

149 100

167 6.6 5.0 7.4

279 0.8 0.6 1.0

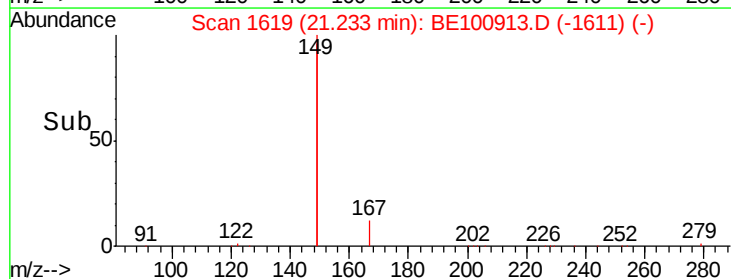
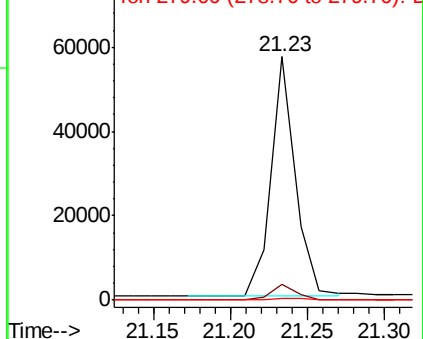


Abundance

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: 0.451 ng

RT: 26.32 min Scan# 2883

Delta R.T. 0.01 min

Lab File: BE100913.D

Acq: 14 Dec 2019 8:07

Instrument :

BNA_E

ClientSampleId :

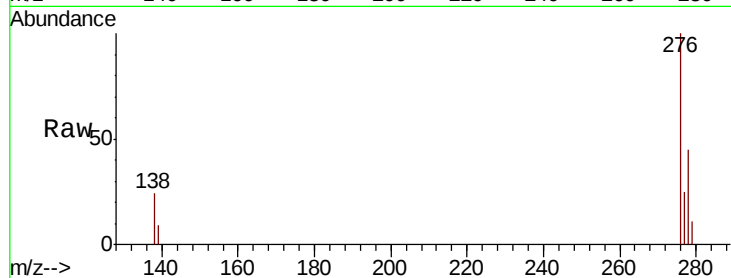
Tot Ion:276 Resp: 46671

Ion Ratio Lower Upper

276 100

138 23.1 18.4 27.6

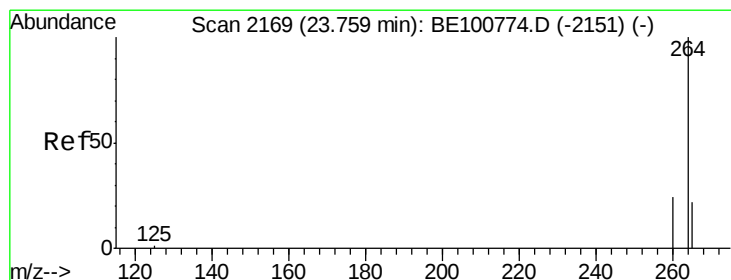
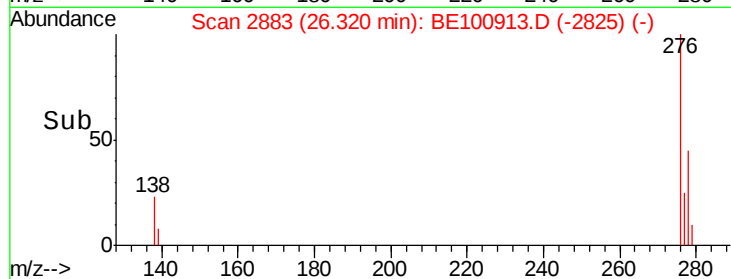
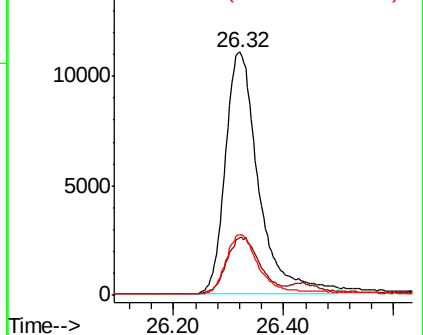
277 23.5 19.4 29.2



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: 23.74 min Scan# 2165

Delta R.T. 0.00 min

Lab File: BE100913.D

Acq: 14 Dec 2019 8:07

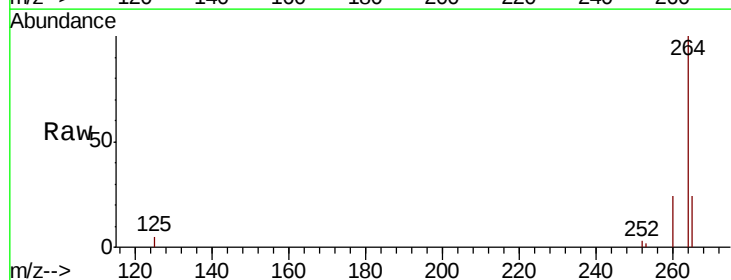
Tgt Ion:264 Resp: 43034

Ion Ratio Lower Upper

264 100

260 24.1 19.4 29.0

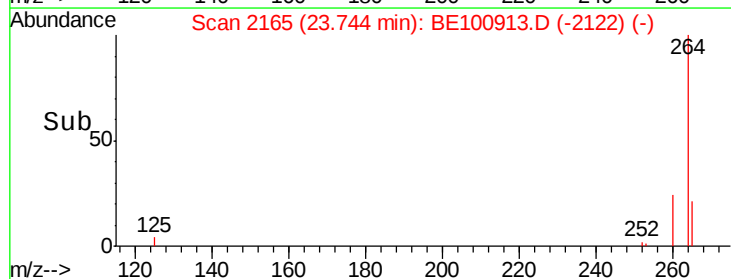
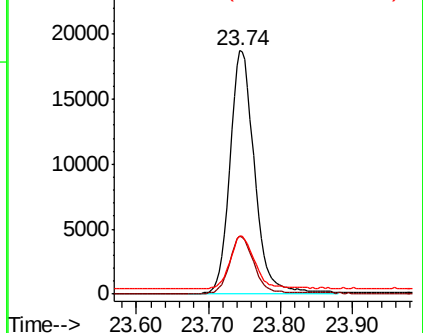
265 23.6 20.1 30.1

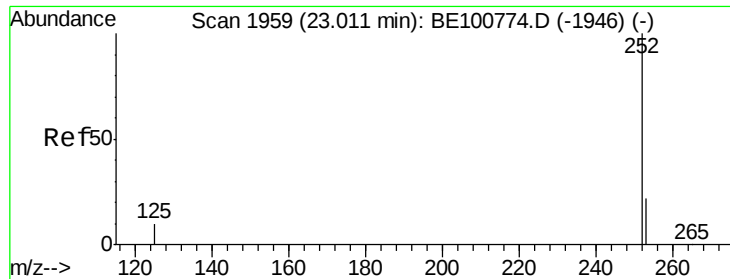


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E





#35

Benzo(b)fluoranthene

Concen: 0.353 ng

RT: 23.00 min Scan# 1956

Delta R.T. 0.01 min

Lab File: BE100913.D

Acq: 14 Dec 2019 8:07

Instrument :

BNA_E

ClientSampleId :

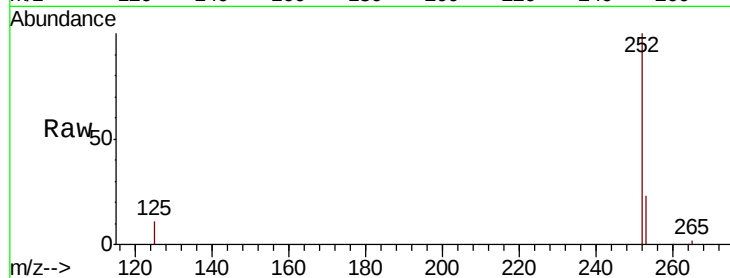
Tot Ion:252 Resp: 41615

Ion Ratio Lower Upper

252 100

253 22.5 17.8 26.6

125 10.9 8.3 12.5

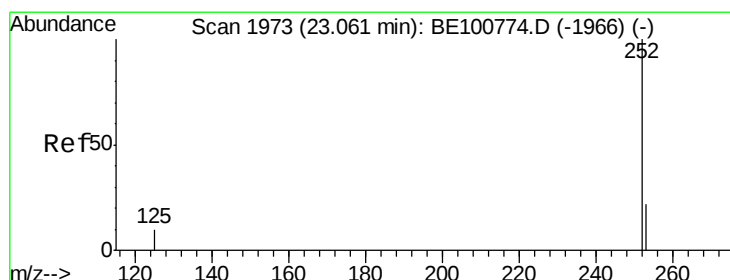
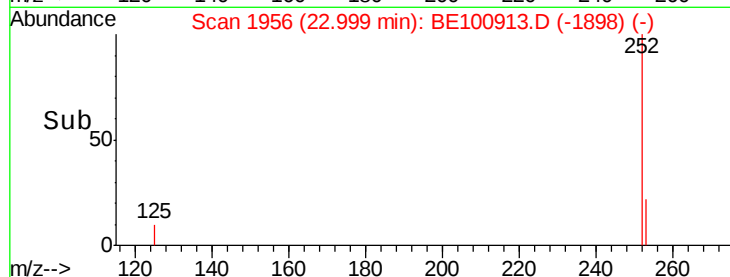
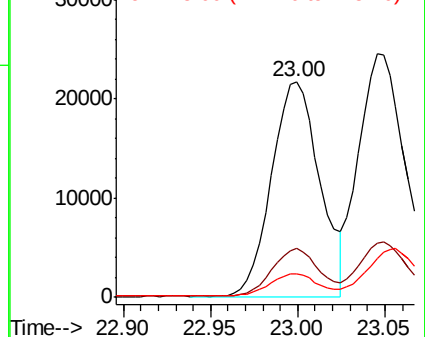


Abundance

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: 0.315 ng

RT: 23.00 min Scan# 1956

Delta R.T. -0.04 min

Lab File: BE100913.D

Acq: 14 Dec 2019 8:07

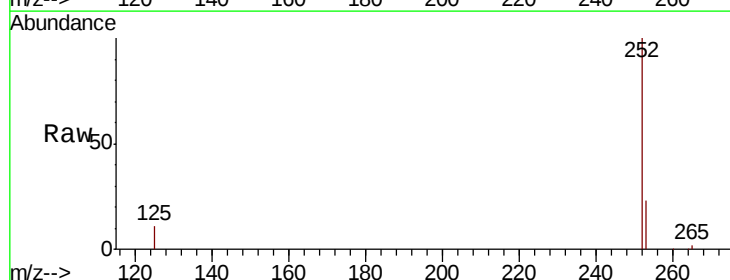
Tgt Ion:252 Resp: 41615

Ion Ratio Lower Upper

252 100

253 22.5 17.8 26.6

125 10.9 9.4 14.0

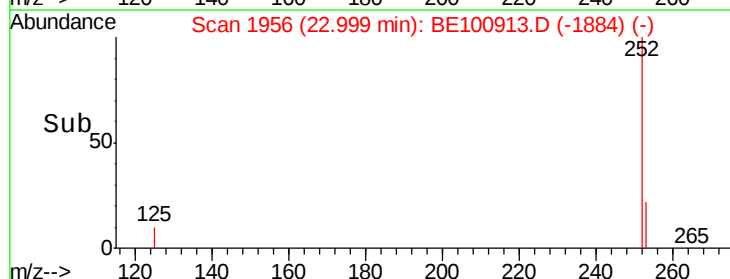
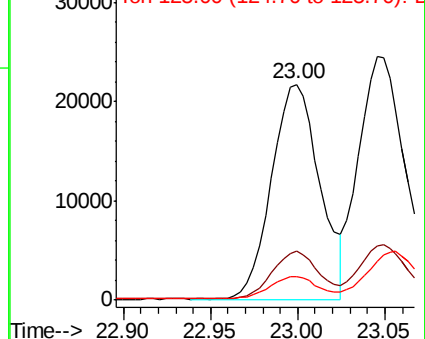


Abundance

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: 0.360 ng

RT: 23.64 min Scan# 2135

Delta R.T. 0.01 min

Lab File: BE100913.D

Acq: 14 Dec 2019 8:07

Instrument :

BNA_E

ClientSampleId :

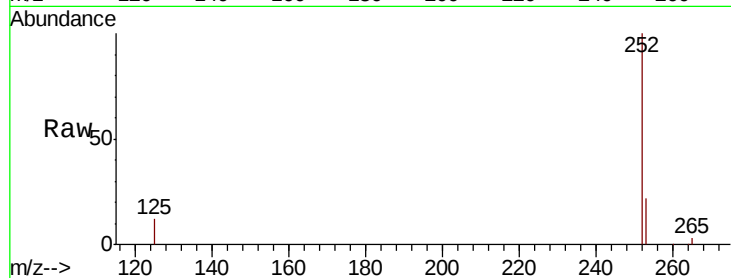
Tot Ion:252 Resp: 36687

Ion Ratio Lower Upper

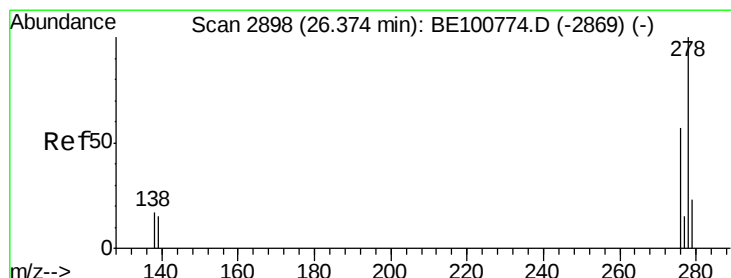
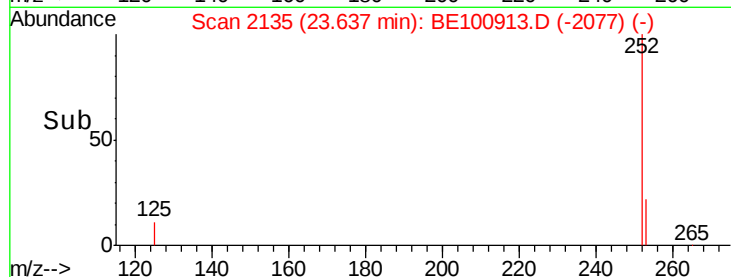
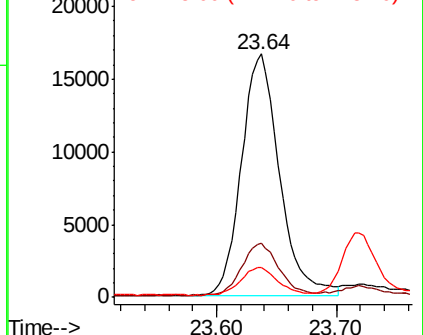
252 100

253 22.5 17.8 26.8

125 12.2 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: 0.374 ng

RT: 26.35 min Scan# 2890

Delta R.T. 0.00 min

Lab File: BE100913.D

Acq: 14 Dec 2019 8:07

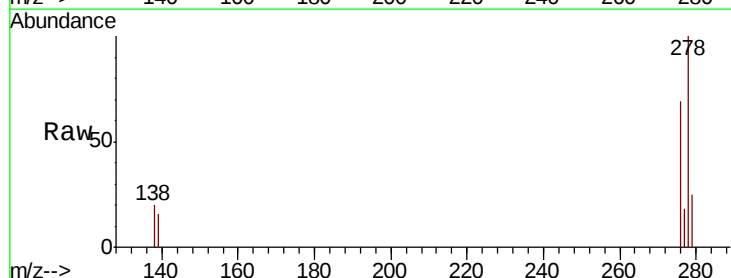
Tgt Ion:278 Resp: 37986

Ion Ratio Lower Upper

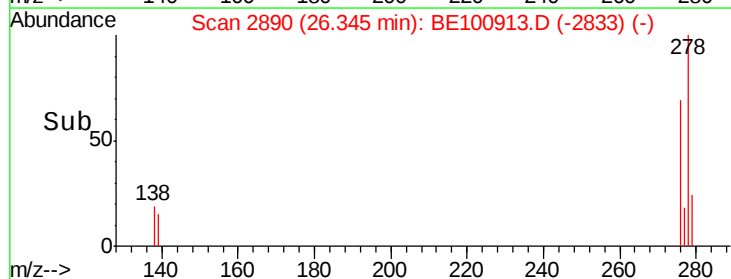
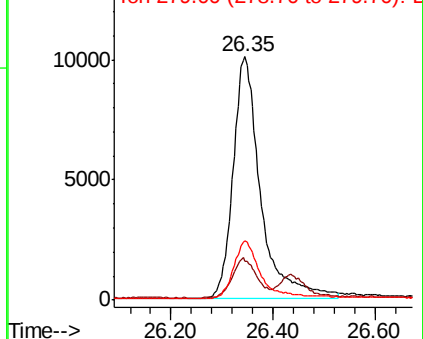
278 100

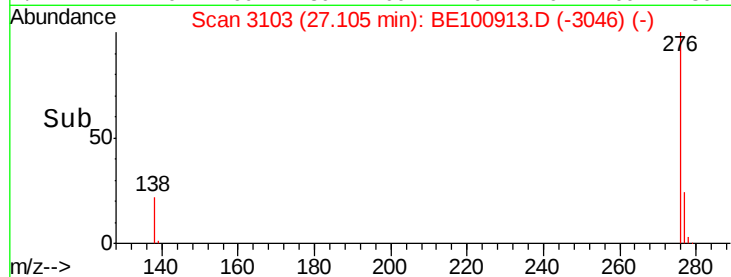
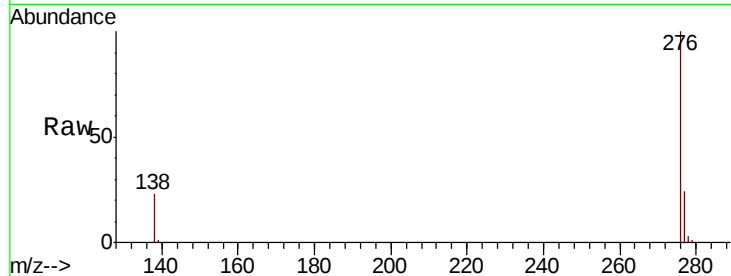
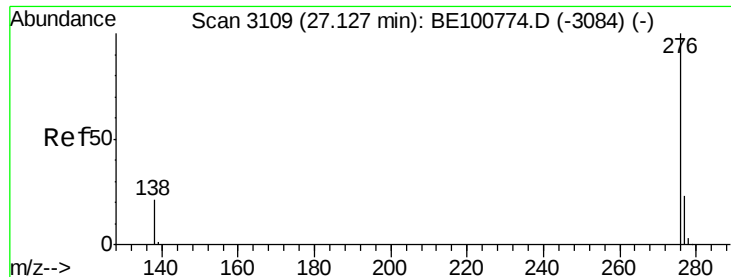
139 16.1 13.8 20.6

279 24.5 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: 0.372 ng

RT: 27.11 min Scan# 3103

Delta R.T. 0.00 min

Lab File: BE100913.D

Acq: 14 Dec 2019 8:07

Instrument :

BNA_E

ClientSampleId :

Tot Ion: 276 Resp: 40337

Ion Ratio Lower Upper

276 100

277 24.4 19.7 29.5

138 22.7 18.0 27.0

