

Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE120419\
 Data File : BE100773.D
 Acq On : 4 Dec 2019 13:13
 Operator : JU
 Sample : SSTDICC0.2
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :

Quant Time: Dec 04 15:53:07 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA E\METHODS\8270-SIM-BE120419.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Dec 04 14:31:40 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.76	152	5349	0.40	ng	0.00
7) Naphthalene-d8	10.54	136	23521	0.40	ng	0.00
13) Acenaphthene-d10	14.40	164	11882	0.40	ng	0.00
19) Phenanthrene-d10	17.13	188	29255	0.40	ng	0.00
27) Chrysene-d12	21.31	240	28963	0.40	ng	0.00
34) Perylene-d12	23.76	264	34090	0.40	ng	0.00

System Monitoring Compounds						
4) 2-Fluorophenol	5.38	112	2410	0.17	ng	0.00
5) Phenol-d6	6.93	99	3565	0.17	ng	0.00
8) Nitrobenzene-d5	8.90	82	1909	0.25	ng	0.00
11) 2-Methylnaphthalene-d10	12.14	152	6405	0.19	ng	0.00
14) 2,4,6-Tribromophenol	15.88	330	222	0.13	ng	0.00
15) 2-Fluorobiphenyl	13.03	172	9652	0.21	ng	0.00
25) Fluoranthene-d10	19.16	212	59148	0.17	ng	0.00
29) Terphenyl-d14	19.76	244	13257	0.20	ng	0.00

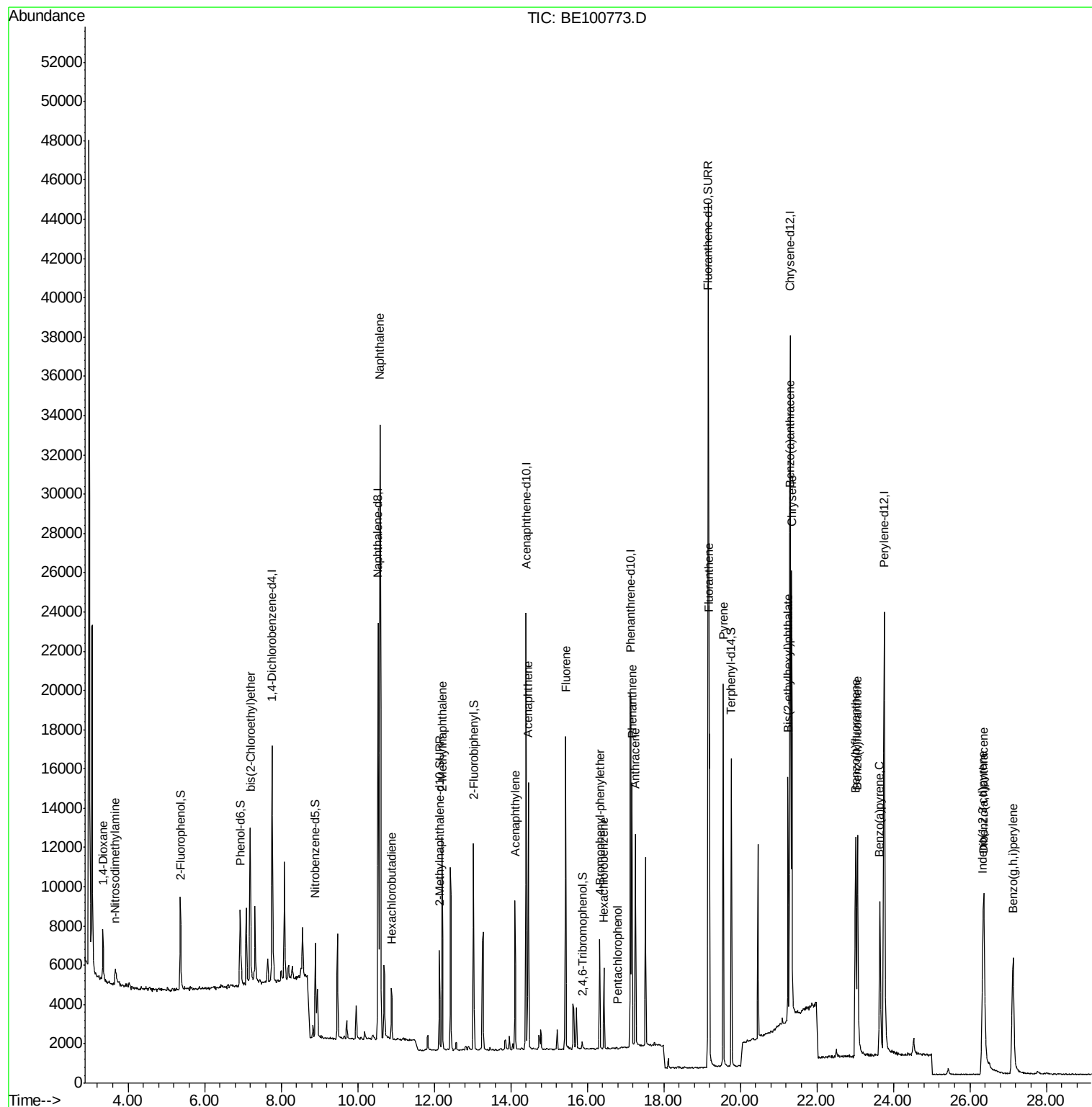
Target Compounds				Qvalue		
2) 1,4-Dioxane	3.34	88	2063	0.206	ng	98
3) n-Nitrosodimethylamine	3.66	42	1163	0.157	ng	# 6
6) bis(2-Chloroethyl)ether	7.20	93	3475	0.198	ng	96
9) Naphthalene	10.59	128	48290	0.193	ng	100
10) Hexachlorobutadiene	10.89	225	1879	0.196	ng	98
12) 2-Methylnaphthalene	12.21	142	7288	0.185	ng	98
16) Acenaphthylene	14.11	152	8852	0.173	ng	99
17) Acenaphthene	14.46	154	6566	0.191	ng	100
18) Fluorene	15.43	166	8142	0.186	ng	99
20) 4-Bromophenyl-phenylether	16.33	248	2552	0.177	ng	98
21) Hexachlorobenzene	16.44	284	2955	0.197	ng	98
22) Pentachlorophenol	16.79	266	30	0.011	ng	91
23) Phenanthrene	17.17	178	16576	0.188	ng	99
24) Anthracene	17.25	178	12456	0.164	ng	98
26) Fluoranthene	19.19	202	17525	0.163	ng	99
28) Pyrene	19.55	202	18017	0.201	ng	100
30) Benzo(a)anthracene	21.29	228	15512	0.159	ng	100
31) Chrysene	21.34	228	19819	0.200	ng	99
32) Bis(2-ethylhexyl)phthalate	21.25	149	14239	0.081	ng	100
33) Indeno(1,2,3-cd)pyrene	26.34	276	16674	0.160	ng	98
35) Benzo(b)fluoranthene	23.01	252	16075	0.150	ng	99
36) Benzo(k)fluoranthene	23.06	252	18220	0.163	ng	98
37) Benzo(a)pyrene	23.65	252	13703	0.145	ng	96
38) Dibenzo(a,h)anthracene	26.37	278	13302	0.134	ng	99
39) Benzo(g,h,i)perylene	27.13	276	15395	0.149	ng	99

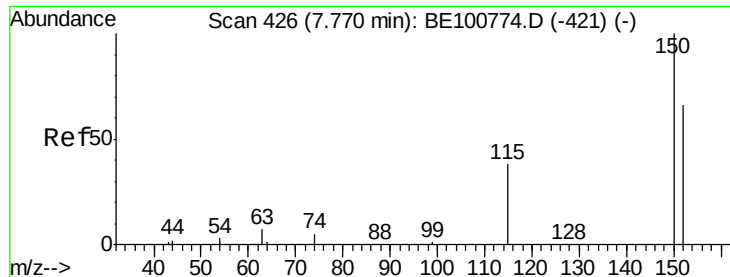
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Wed Dec 04 14:31:40 2019
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#1

1,4-Dichlorobenzene-d4

Concen: 0.400 ng

RT: 7.76 min Scan# 425

Delta R.T. -0.01 min

Lab File: BE100773.D

Acq: 4 Dec 2019 13:13

Instrument :

BNA_E

ClientSampleId :

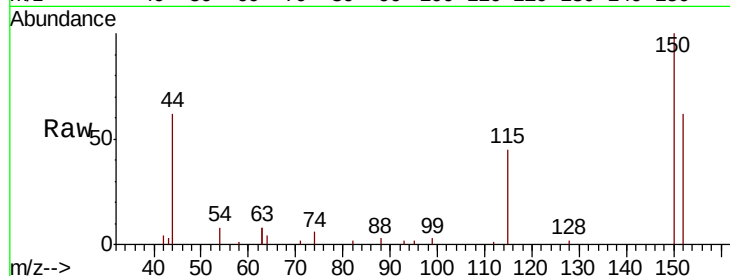
Tot Ion:152 Resp: 5349

Ion Ratio Lower Upper

152 100

150 161.5 120.6 181.0

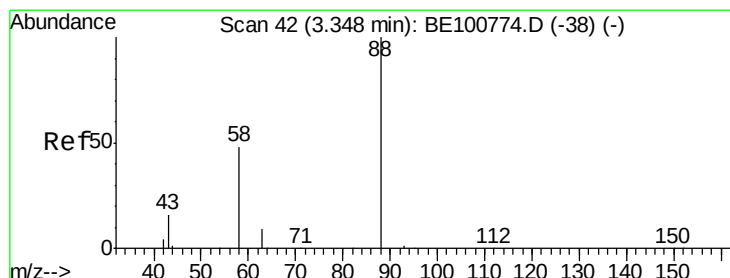
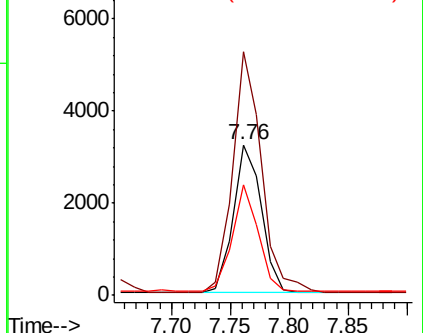
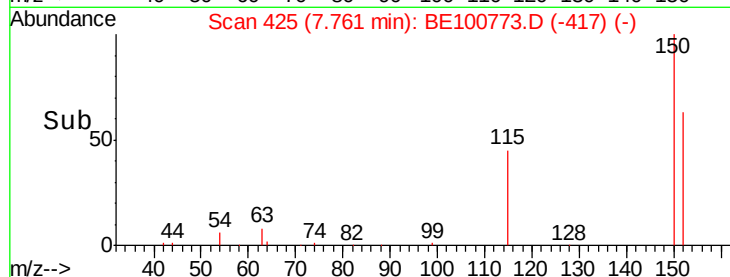
115 73.3 47.4 71.2#



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: 0.206 ng

RT: 3.34 min Scan# 41

Delta R.T. -0.01 min

Lab File: BE100773.D

Acq: 4 Dec 2019 13:13

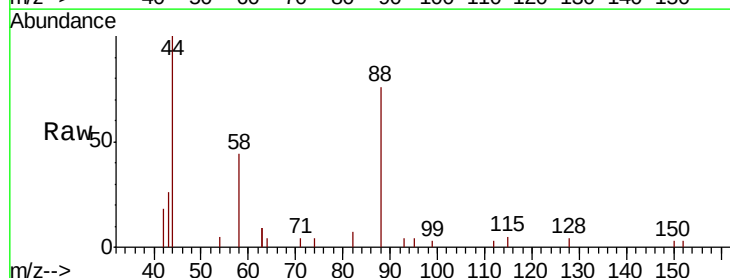
Tgt Ion: 88 Resp: 2063

Ion Ratio Lower Upper

88 100

58 65.0 52.5 78.7

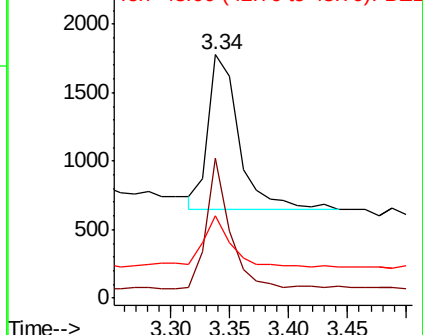
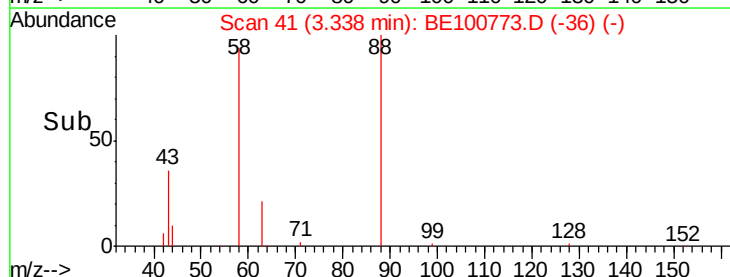
43 30.9 23.0 34.6

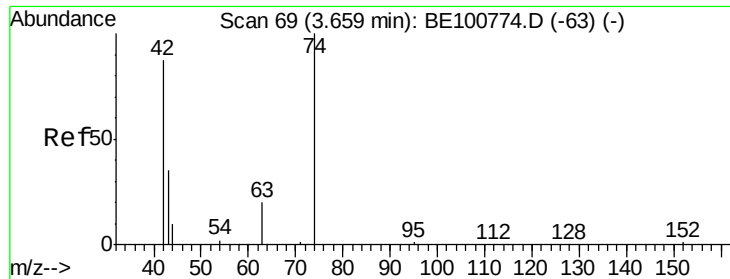


Abundance Ion 88.00 (87.70 to 88.70): BE1

Ion 58.00 (57.70 to 58.70): BE1

Ion 43.00 (42.70 to 43.70): BE1





#3

n-Nitrosodimethylamine

Concen: 0.157 ng

RT: 3.66 min Scan# 69

Delta R.T. 0.00 min

Lab File: BE100773.D

Acq: 4 Dec 2019 13:13

Instrument :

BNA_E

ClientSampleId :

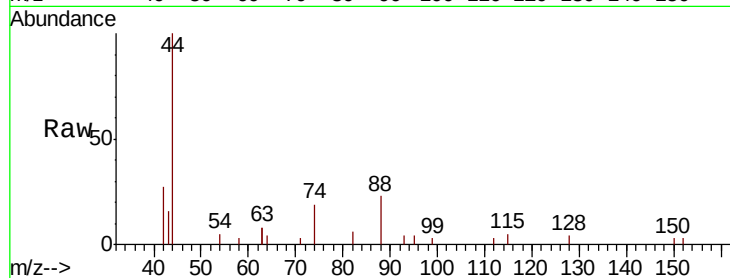
Tot Ion: 42 Resp: 1163

Ion Ratio Lower Upper

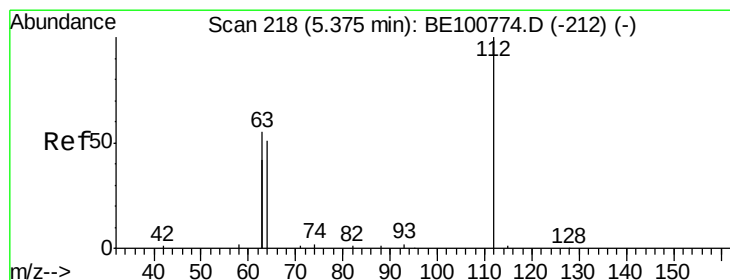
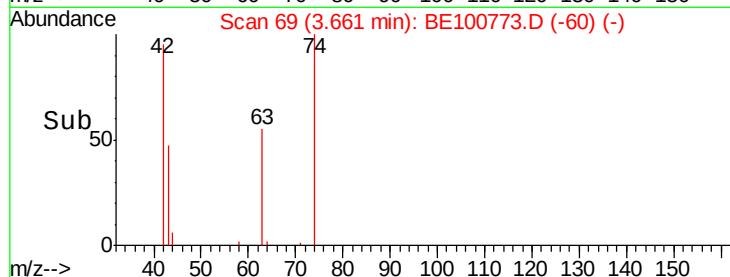
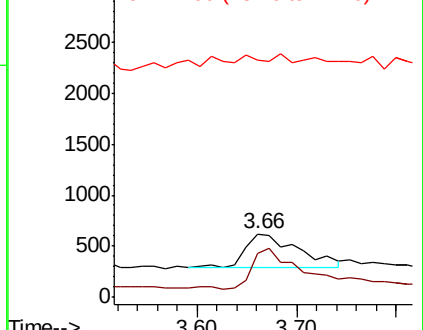
42 100

74 0.0 86.3 129.5#

44 5.8 11.6 17.4#



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: 0.166 ng

RT: 5.38 min Scan# 218

Delta R.T. 0.00 min

Lab File: BE100773.D

Acq: 4 Dec 2019 13:13

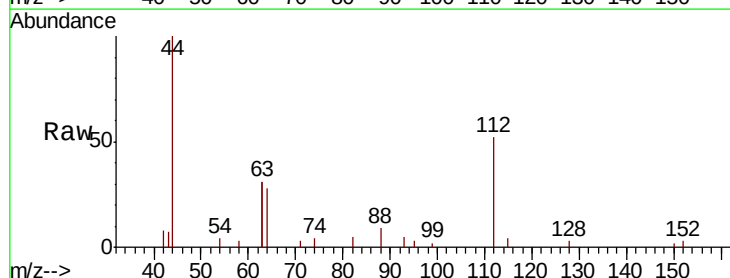
Tgt Ion: 112 Resp: 2410

Ion Ratio Lower Upper

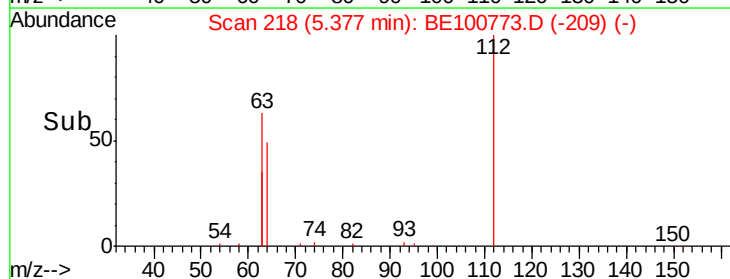
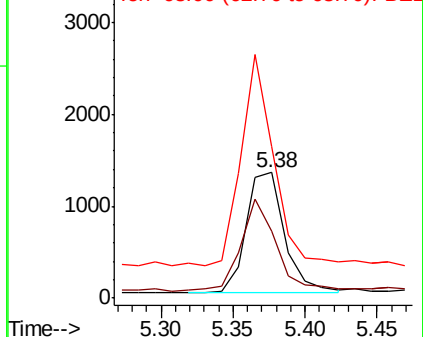
112 100

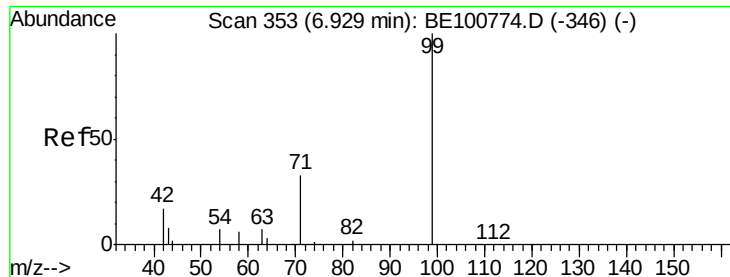
64 69.5 54.1 81.1

63 149.5 113.2 169.8



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





#5

Phenol-d6

Concen: 0.170 ng

RT: 6.93 min Scan# 353

Delta R.T. 0.00 min

Lab File: BE100773.D

Acq: 4 Dec 2019 13:13

Instrument :

BNA_E

ClientSampled :

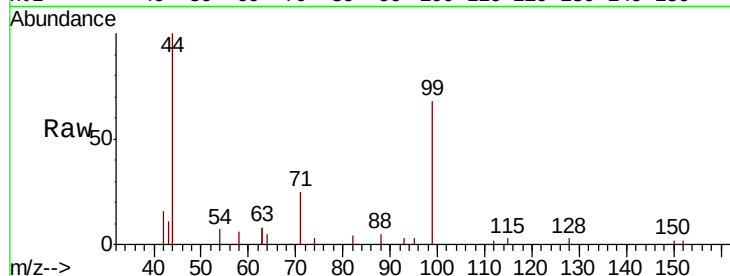
Tot Ion: 99 Resp: 3565

Ion Ratio Lower Upper

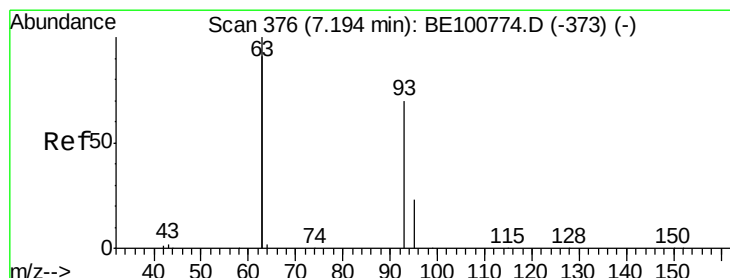
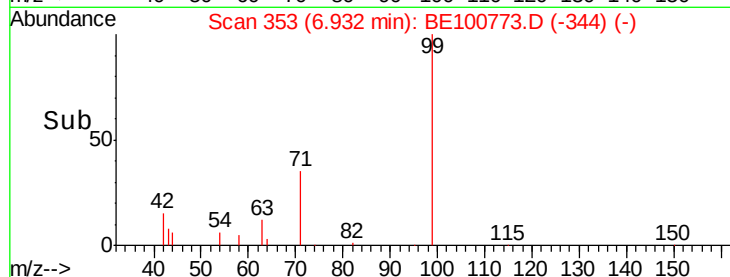
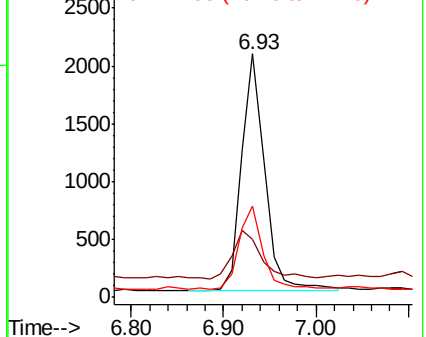
99 100

42 25.2 19.1 28.7

71 35.9 27.7 41.5



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: 0.198 ng

RT: 7.20 min Scan# 376

Delta R.T. 0.00 min

Lab File: BE100773.D

Acq: 4 Dec 2019 13:13

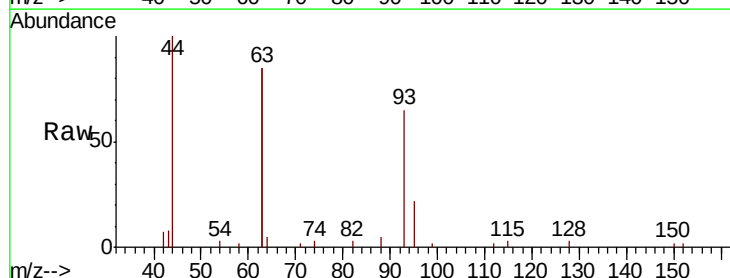
Tgt Ion: 93 Resp: 3475

Ion Ratio Lower Upper

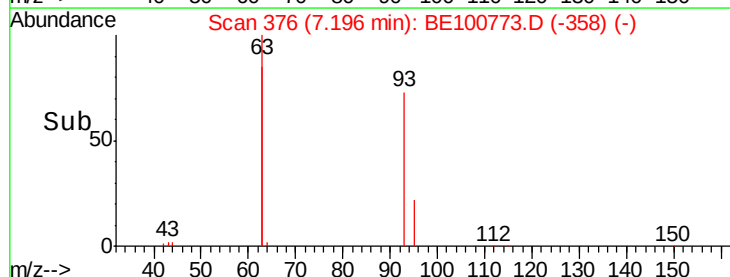
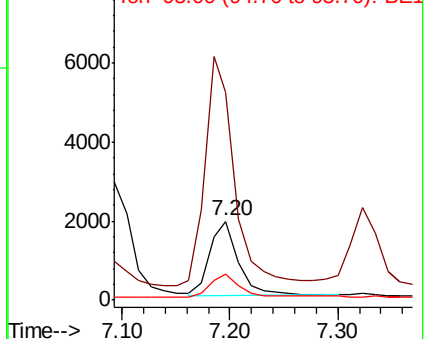
93 100

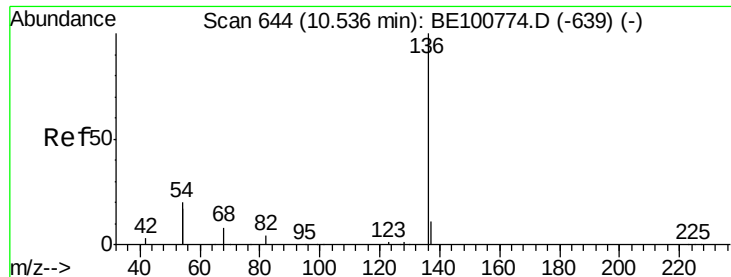
63 316.3 259.4 389.0

95 35.7 26.2 39.2



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: BE100773.D

Acq: 4 Dec 2019 13:13

Instrument :

BNA_E

ClientSampleId :

Tot Ion:136 Resp: 23521

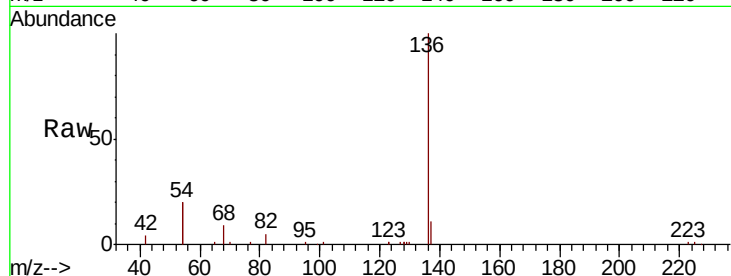
Ion Ratio Lower Upper

136 100

137 11.2 9.4 14.0

54 39.7 31.1 46.7

68 8.5 6.6 10.0

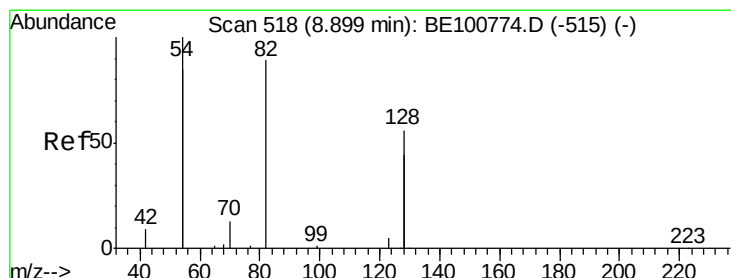
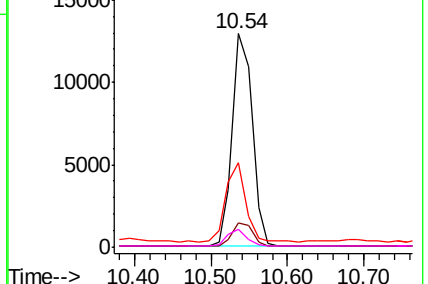
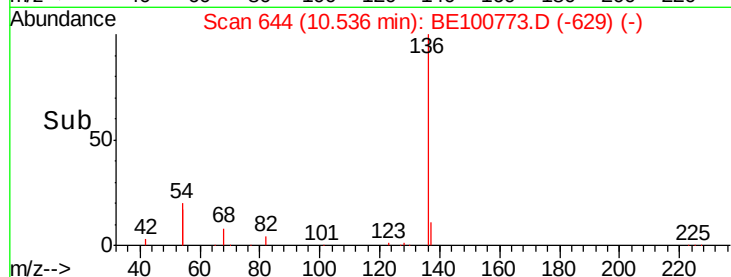


Abundance Ion 136.00 (135.70 to 136.70): E

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: 0.253 ng

RT: 8.90 min Scan# 518

Delta R.T. -0.00 min

Lab File: BE100773.D

Acq: 4 Dec 2019 13:13

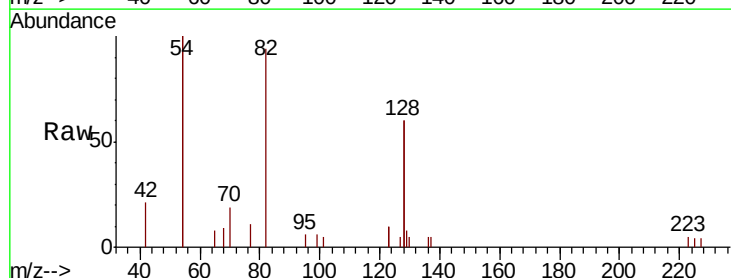
Tgt Ion: 82 Resp: 1909

Ion Ratio Lower Upper

82 100

128 127.5 97.0 145.4

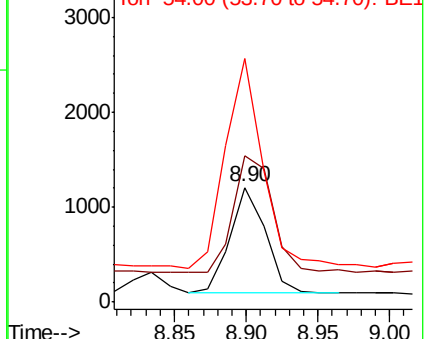
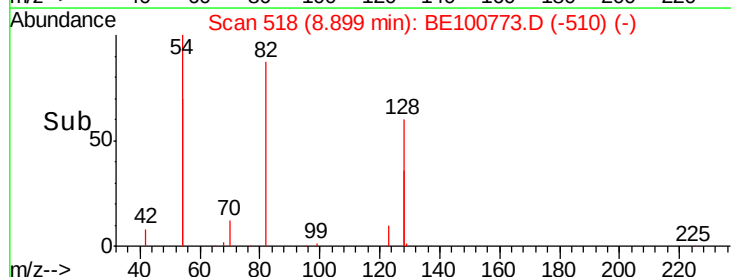
54 212.4 171.8 257.6

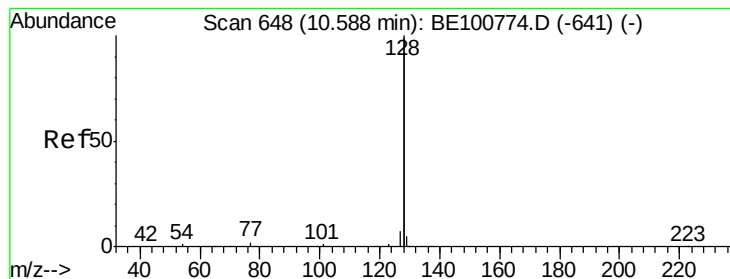


Abundance Ion 82.00 (81.70 to 82.70): BE1

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BE1





#9

Naphthalene

Concen: 0.193 ng

RT: 10.59 min Scan# 648

Delta R.T. -0.00 min

Lab File: BE100773.D

Acq: 4 Dec 2019 13:13

Instrument :

BNA_E

ClientSampleId :

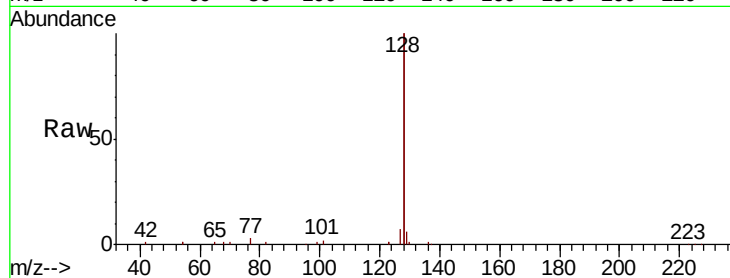
Tot Ion:128 Resp: 48290

Ion Ratio Lower Upper

128 100

129 3.0 2.2 3.4

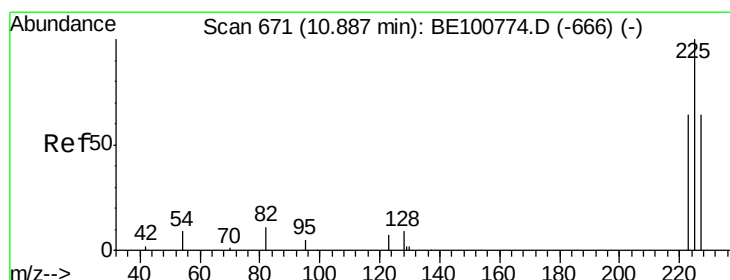
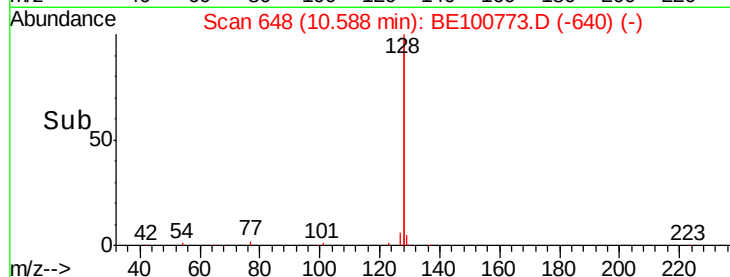
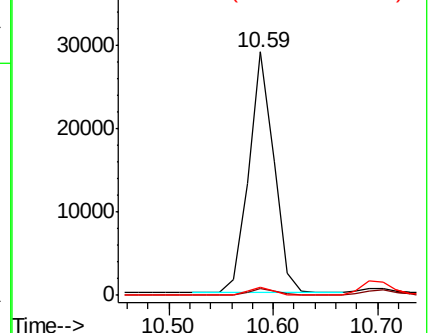
127 3.4 2.7 4.1



Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E



#10

Hexachlorobutadiene

Concen: 0.196 ng

RT: 10.89 min Scan# 671

Delta R.T. -0.00 min

Lab File: BE100773.D

Acq: 4 Dec 2019 13:13

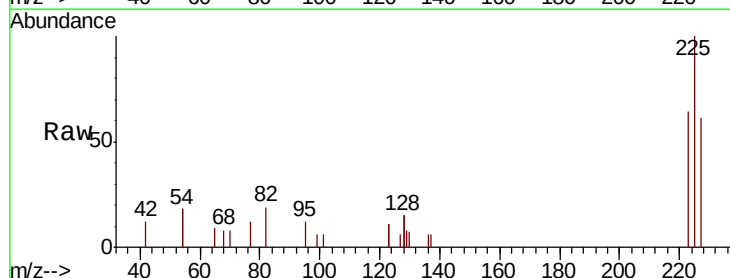
Tgt Ion:225 Resp: 1879

Ion Ratio Lower Upper

225 100

223 61.4 49.9 74.9

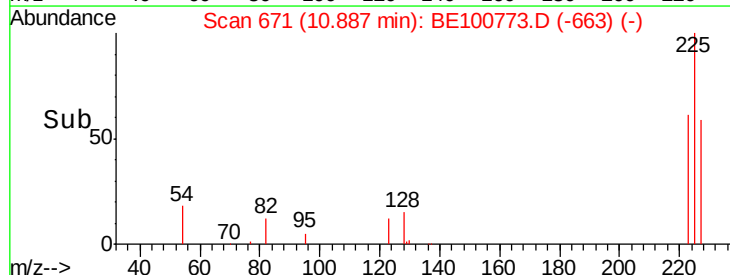
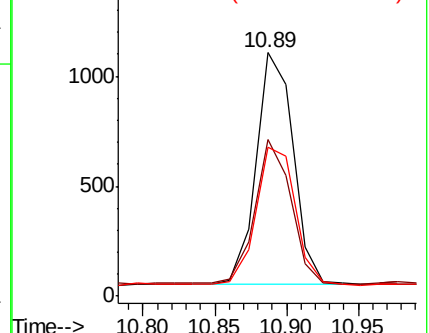
227 63.1 52.2 78.4

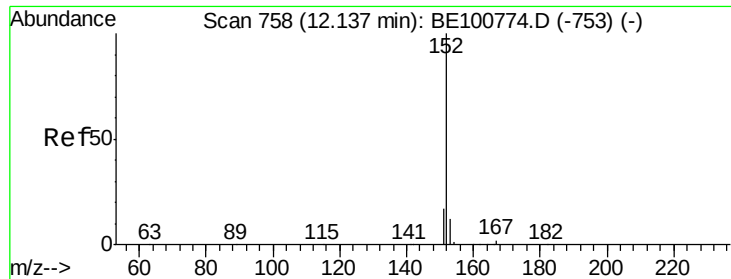


Abundance Ion 225.00 (224.70 to 225.70): E

Ion 223.00 (222.70 to 223.70): E

Ion 227.00 (226.70 to 227.70): E

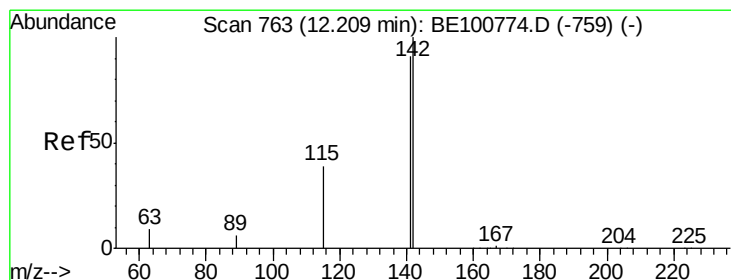
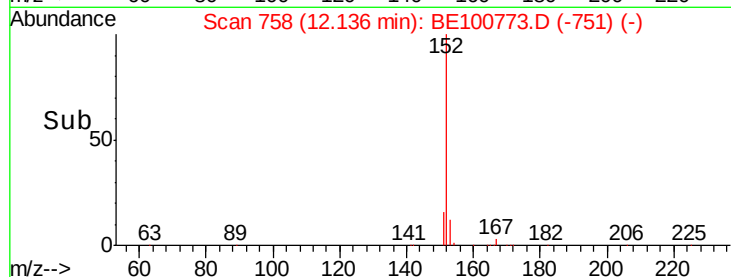
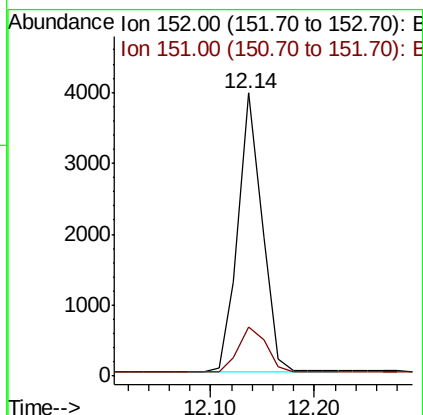
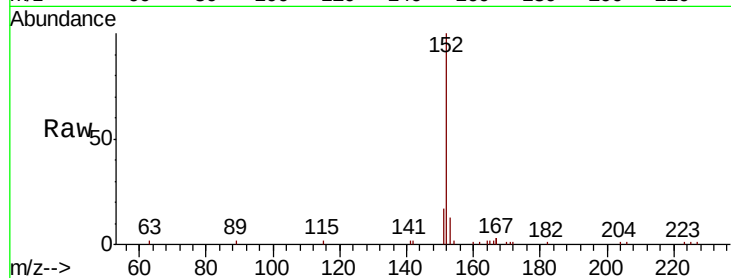




#11
2-Methylnaphthalene-d10
Concen: 0.186 ng
RT: 12.14 min Scan# 758
Delta R.T. -0.00 min
Lab File: BE100773.D
Acq: 4 Dec 2019 13:13

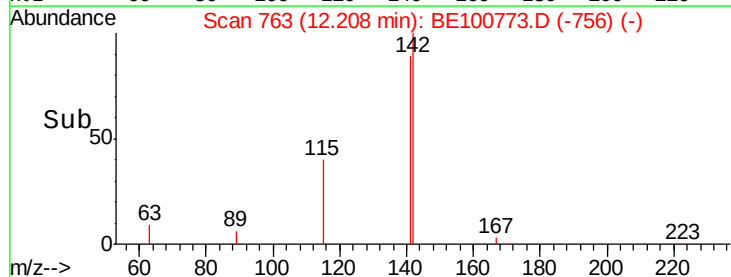
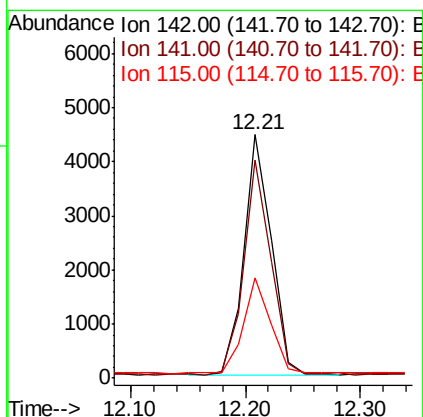
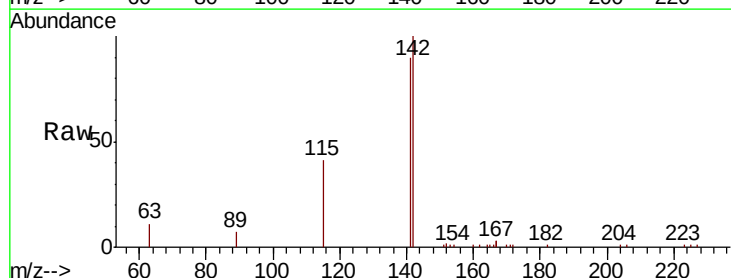
Instrument :
BNA_E
ClientSampleId :

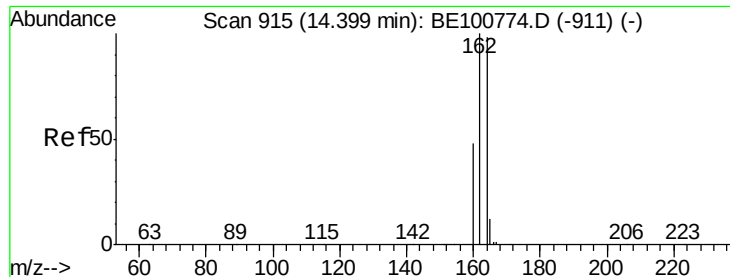
Tot Ion:152 Resp: 6405
Ion Ratio Lower Upper
152 100
151 19.4 15.8 23.8



#12
2-Methylnaphthalene
Concen: 0.185 ng
RT: 12.21 min Scan# 763
Delta R.T. -0.00 min
Lab File: BE100773.D
Acq: 4 Dec 2019 13:13

Tgt Ion:142 Resp: 7288
Ion Ratio Lower Upper
142 100
141 89.6 72.6 108.8
115 41.3 31.8 47.6





#13

Acenaphthene-d10

Concen: 0.400 ng

RT: 14.40 min Scan# 915

Delta R.T. -0.00 min

Lab File: BE100773.D

Acq: 4 Dec 2019 13:13

Instrument :

BNA_E

ClientSampleId :

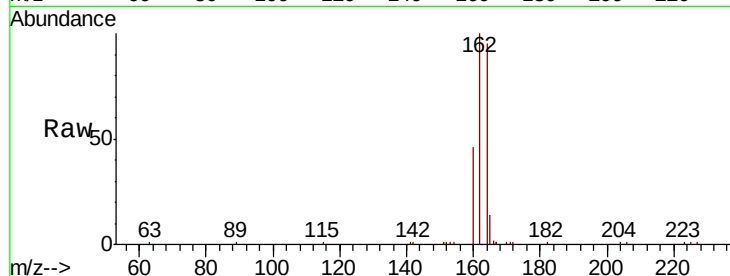
Tot Ion:164 Resp: 11882

Ion Ratio Lower Upper

164 100

162 105.0 81.4 122.0

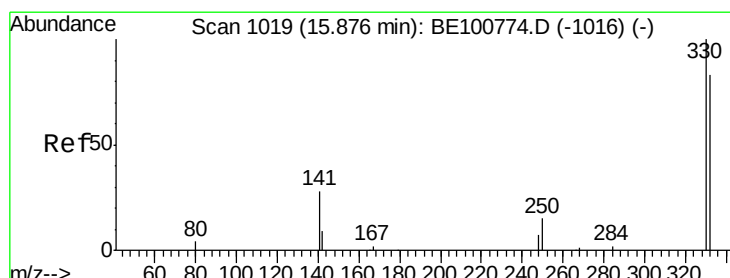
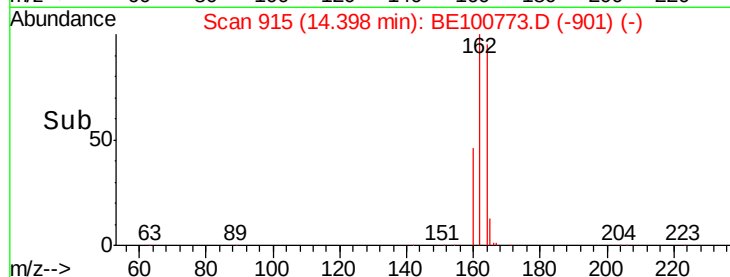
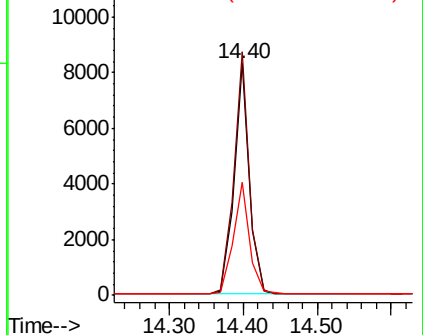
160 48.7 39.4 59.0



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: 0.133 ng

RT: 15.88 min Scan# 1019

Delta R.T. -0.00 min

Lab File: BE100773.D

Acq: 4 Dec 2019 13:13

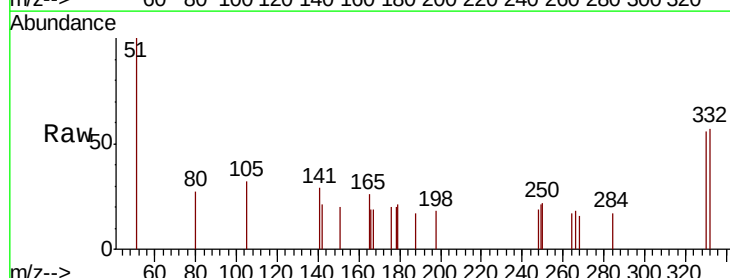
Tgt Ion:330 Resp: 222

Ion Ratio Lower Upper

330 100

332 105.0 69.4 104.2#

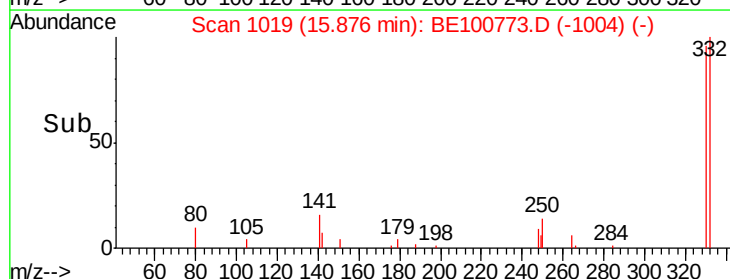
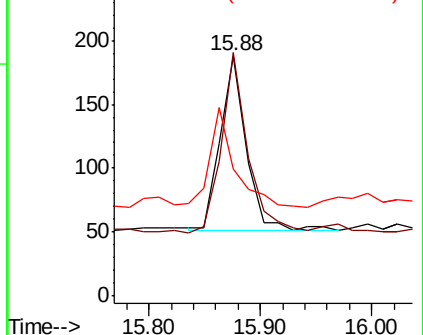
141 55.9 51.1 76.7

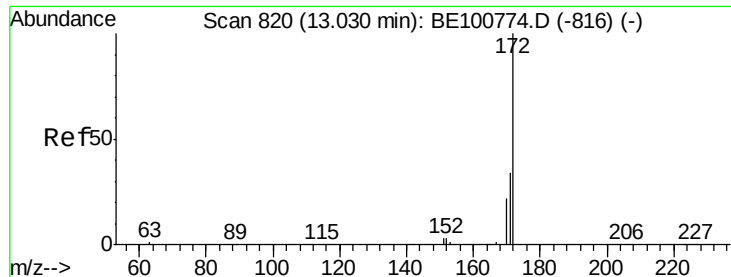


Abundance Ion 330.00 (329.70 to 330.70): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

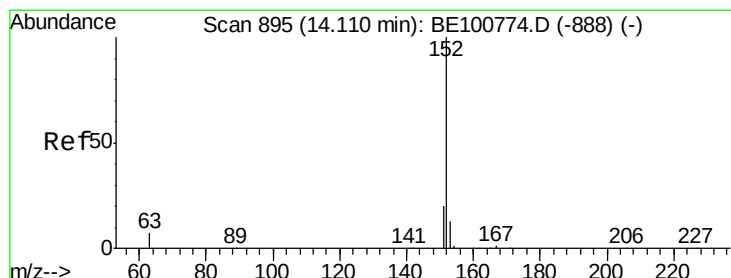
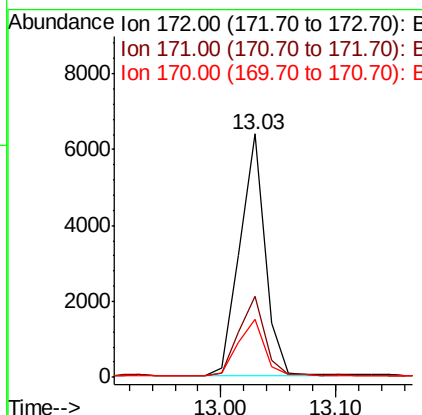
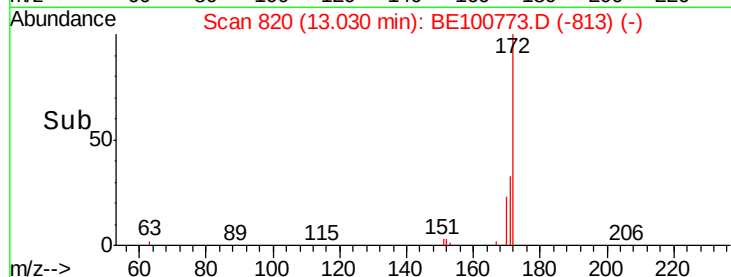
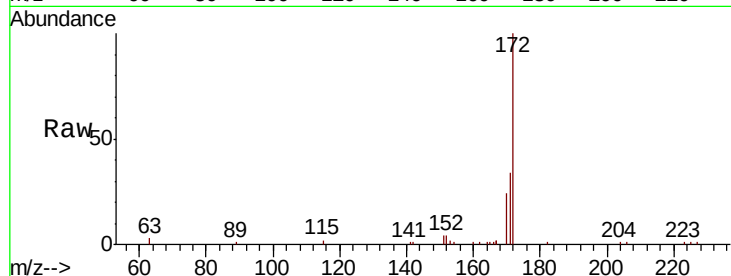




#15
2-Fluorobiphenyl
Concen: 0.209 ng
RT: 13.03 min Scan# 820
Delta R.T. -0.00 min
Lab File: BE100773.D
Acq: 4 Dec 2019 13:13

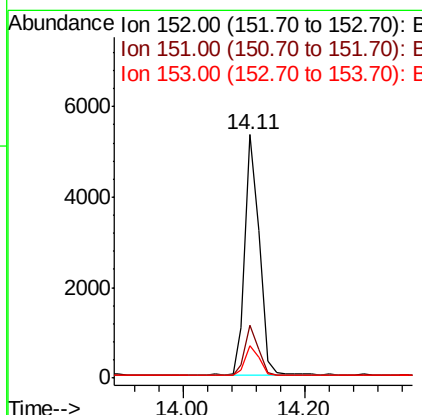
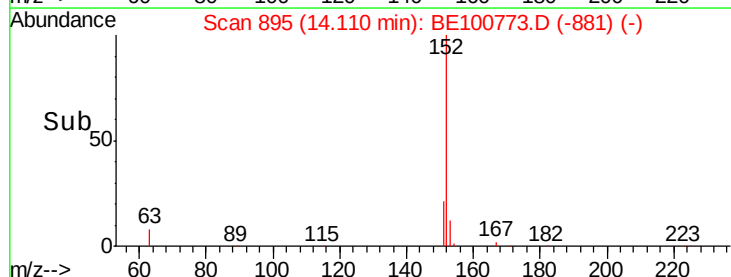
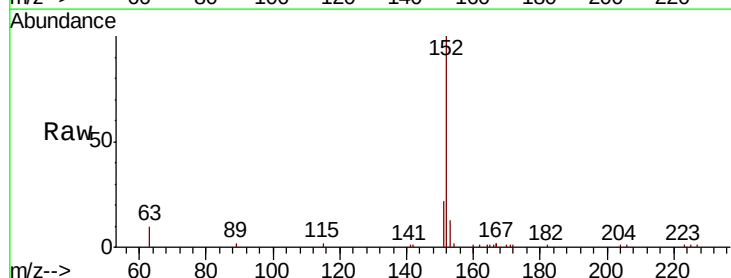
Instrument :
BNA_E
ClientSampleId :

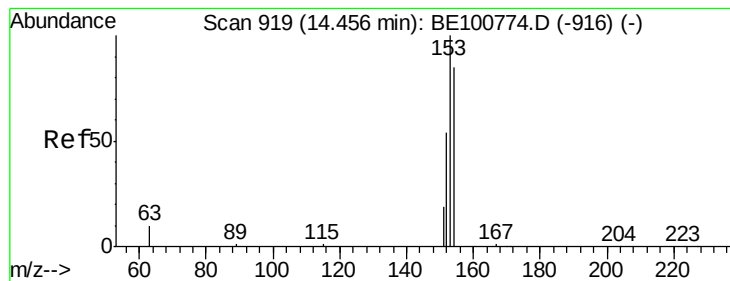
Tot Ion:172 Resp: 9652
Ion Ratio Lower Upper
172 100
171 33.5 27.2 40.8
170 24.1 18.0 27.0



#16
Acenaphthylene
Concen: 0.173 ng
RT: 14.11 min Scan# 895
Delta R.T. -0.00 min
Lab File: BE100773.D
Acq: 4 Dec 2019 13:13

Tgt Ion:152 Resp: 8852
Ion Ratio Lower Upper
152 100
151 20.2 15.8 23.6
153 12.9 10.4 15.6





#17

Acenaphthene

Concen: 0.191 ng

RT: 14.46 min Scan# 919

Delta R.T. -0.00 min

Lab File: BE100773.D

Acq: 4 Dec 2019 13:13

Instrument :

BNA_E

ClientSampleId :

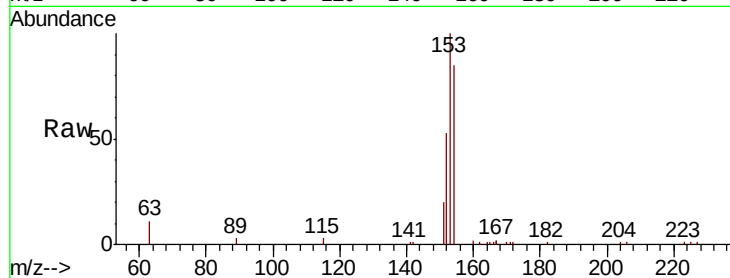
Tot Ion:154 Resp: 6566

Ion Ratio Lower Upper

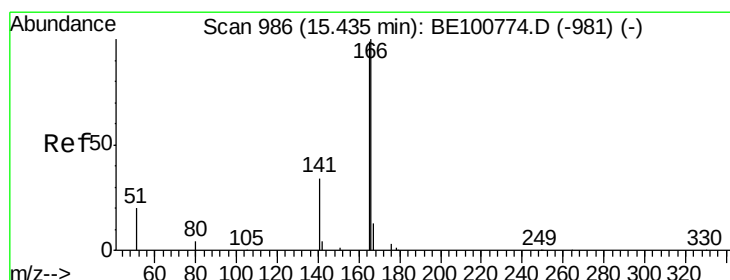
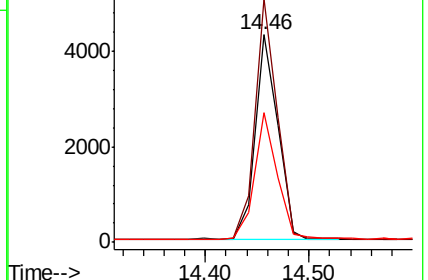
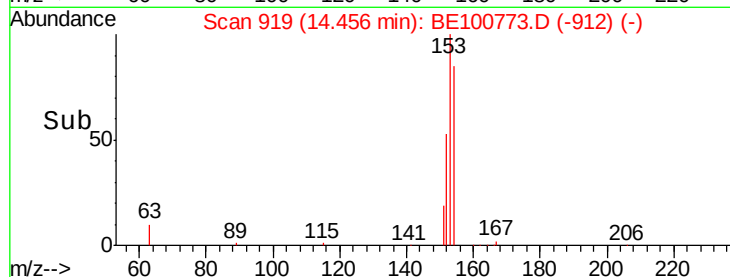
154 100

153 114.6 92.2 138.2

152 61.7 49.1 73.7



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: 0.186 ng

RT: 15.43 min Scan# 986

Delta R.T. -0.00 min

Lab File: BE100773.D

Acq: 4 Dec 2019 13:13

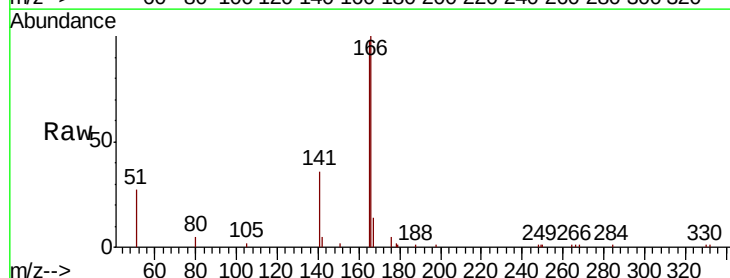
Tgt Ion:166 Resp: 8142

Ion Ratio Lower Upper

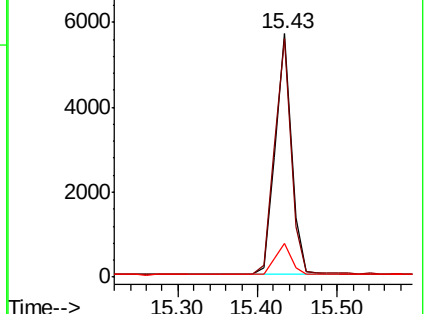
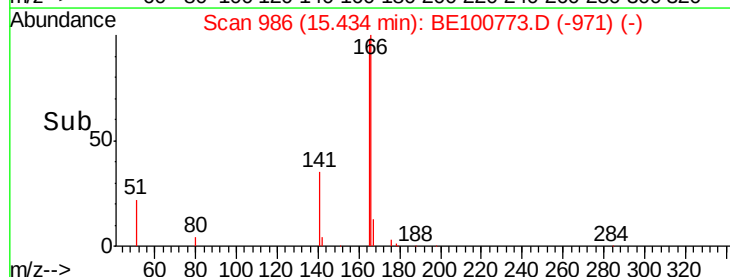
166 100

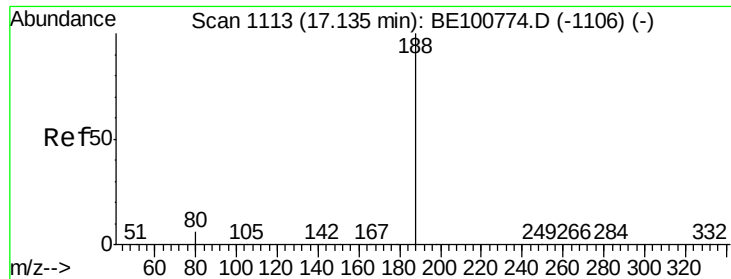
165 99.6 80.5 120.7

167 13.9 10.7 16.1



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

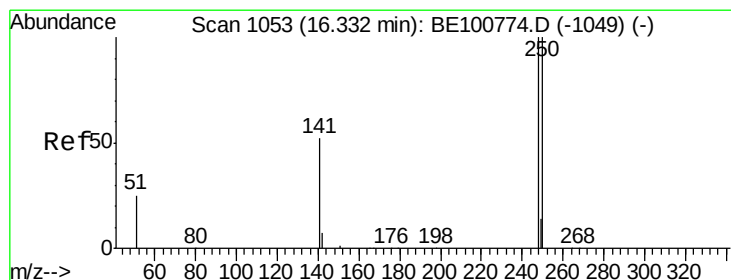
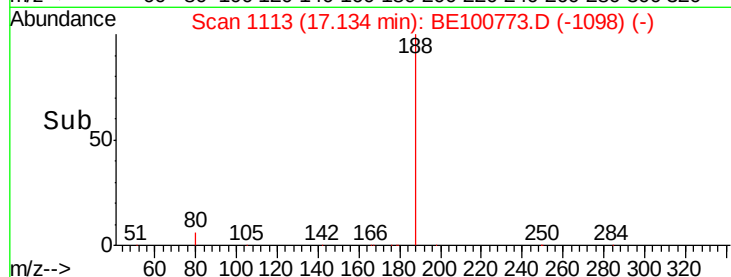
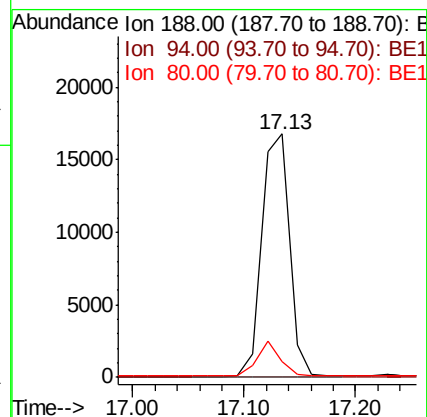
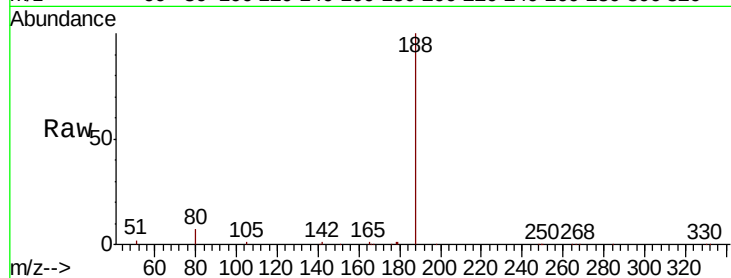




#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.13 min Scan# 1113
Delta R.T. -0.00 min
Lab File: BE100773.D
Acq: 4 Dec 2019 13:13

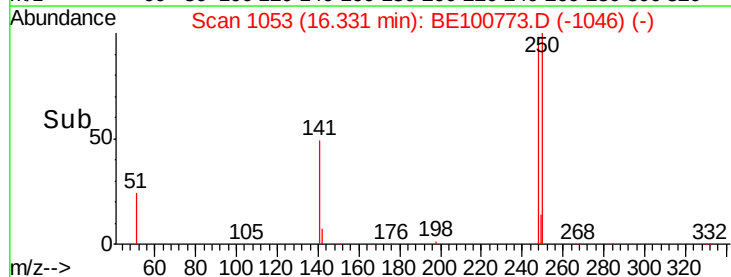
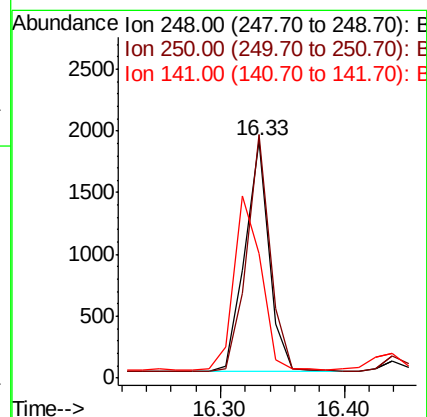
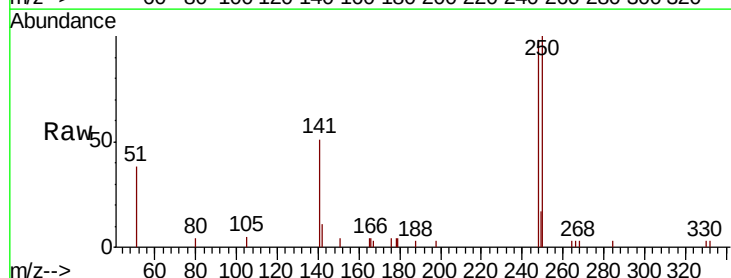
Instrument :
BNA_E
ClientSampleId :

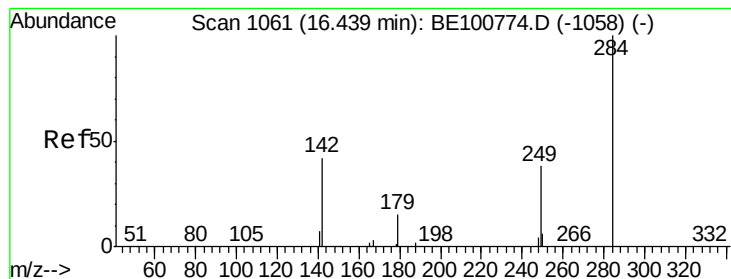
Tot Ion:188 Resp: 29255
Ion Ratio Lower Upper
188 100
94 0.0 0.0 0.0
80 6.5 5.2 7.8



#20
4-Bromophenyl-phenylether
Concen: 0.177 ng
RT: 16.33 min Scan# 1053
Delta R.T. -0.00 min
Lab File: BE100773.D
Acq: 4 Dec 2019 13:13

Tgt Ion:248 Resp: 2552
Ion Ratio Lower Upper
248 100
250 102.5 80.5 120.7
141 52.7 42.6 64.0





#21

Hexachlorobenzene

Concen: 0.197 ng

RT: 16.44 min Scan# 1061

Delta R.T. -0.00 min

Lab File: BE100773.D

Acq: 4 Dec 2019 13:13

Instrument :

BNA_E

ClientSampled :

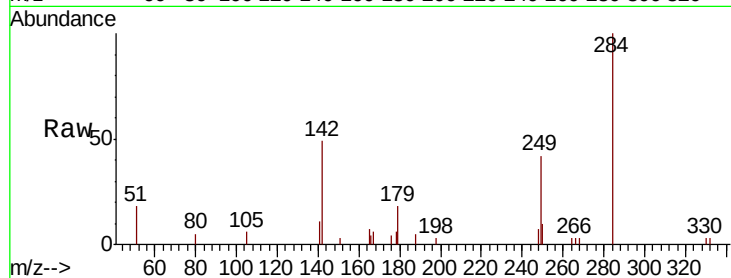
Tot Ion:284 Resp: 2955

Ion Ratio Lower Upper

284 100

142 41.2 34.4 51.6

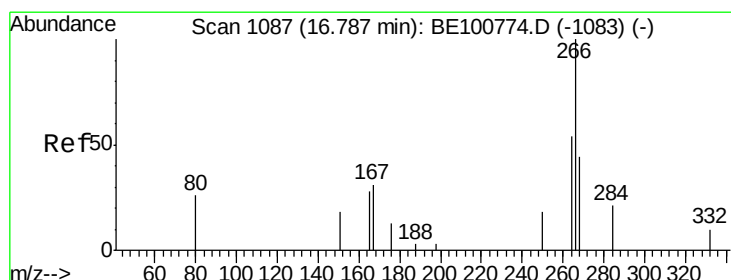
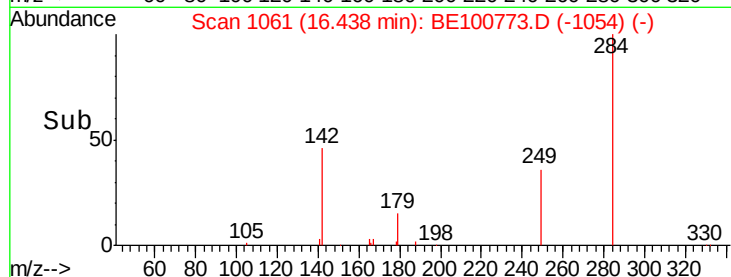
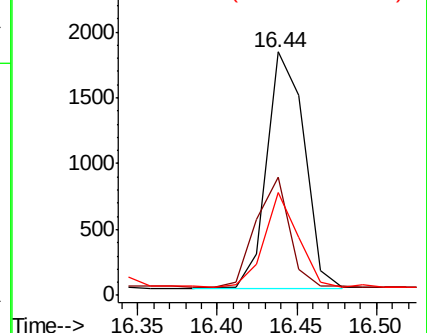
249 36.1 28.5 42.7



Abundance Ion 283.80 (283.50 to 284.50): E

Ion 142.00 (141.70 to 142.70): E

Ion 249.00 (248.70 to 249.70): E



#22

Pentachlorophenol

Concen: 0.011 ng

RT: 16.79 min Scan# 1087

Delta R.T. -0.00 min

Lab File: BE100773.D

Acq: 4 Dec 2019 13:13

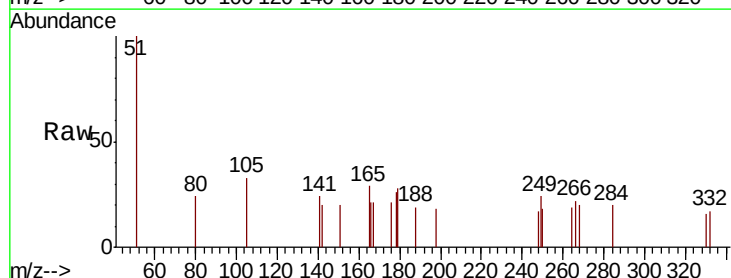
Tgt Ion:266 Resp: 30

Ion Ratio Lower Upper

266 100

264 88.1 63.4 95.0

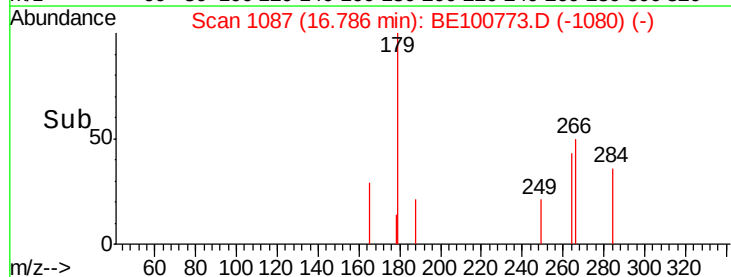
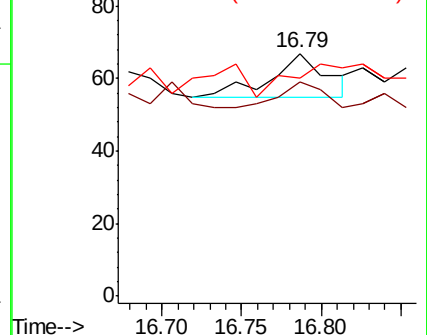
268 89.6 65.8 98.8

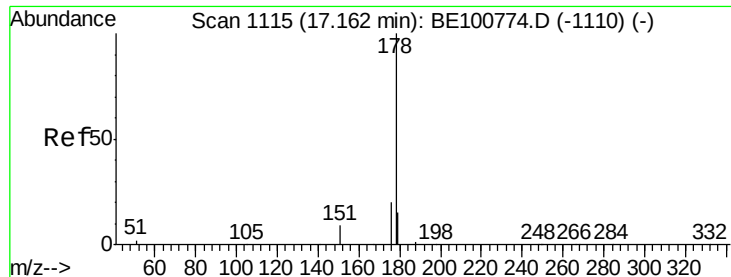


Abundance Ion 266.00 (265.70 to 266.70): E

Ion 264.00 (263.70 to 264.70): E

Ion 268.00 (267.70 to 268.70): E





#23

Phenanthrene

Concen: 0.188 ng

RT: 17.17 min Scan# 1116

Delta R.T. 0.01 min

Lab File: BE100773.D

Acq: 4 Dec 2019 13:13

Instrument :

BNA_E

ClientSampleId :

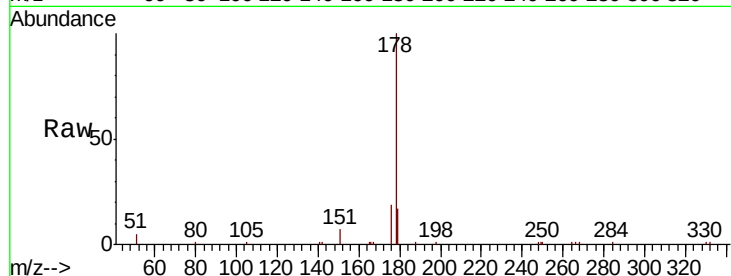
Tot Ion:178 Resp: 16576

Ion Ratio Lower Upper

178 100

176 19.0 15.5 23.3

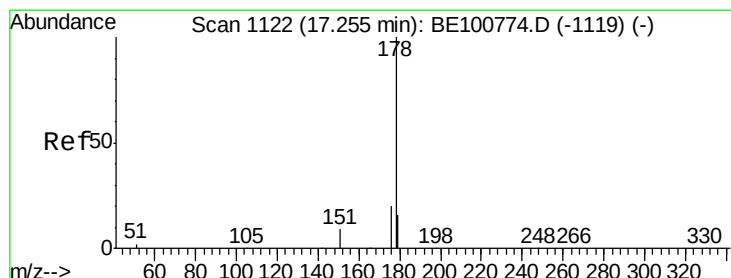
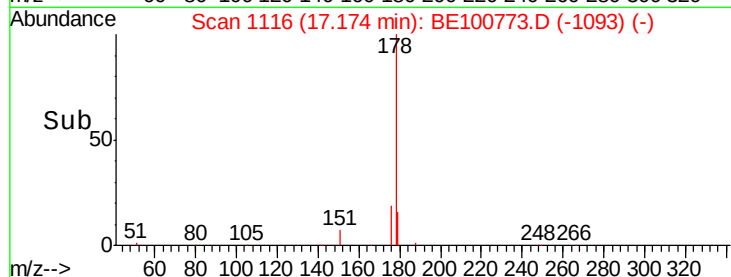
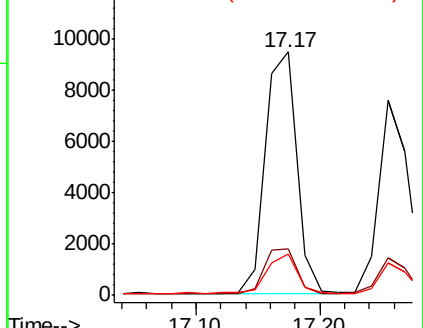
179 15.5 12.3 18.5



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: 0.164 ng

RT: 17.25 min Scan# 1122

Delta R.T. -0.00 min

Lab File: BE100773.D

Acq: 4 Dec 2019 13:13

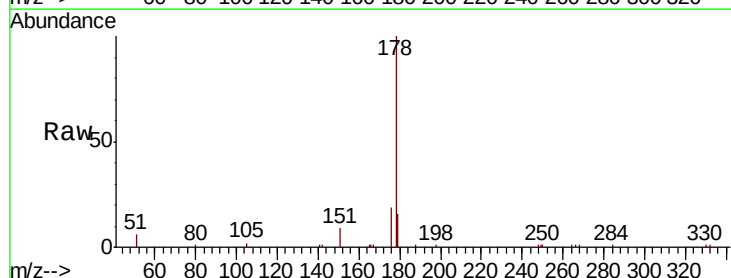
Tgt Ion:178 Resp: 12456

Ion Ratio Lower Upper

178 100

176 18.3 15.4 23.2

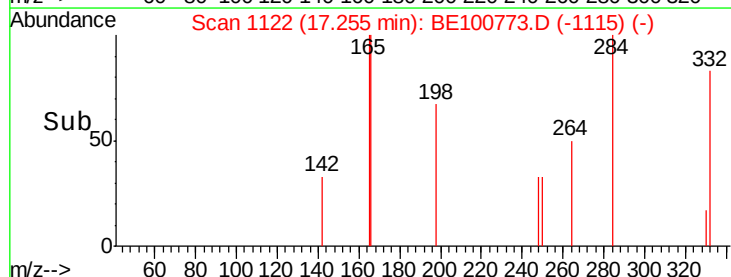
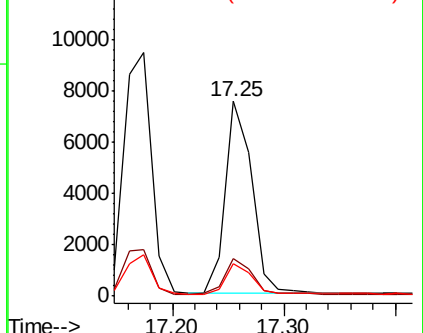
179 15.2 12.7 19.1

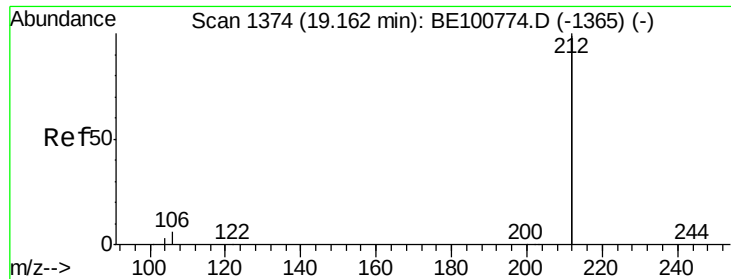


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#25

Fluoranthene-d10

Concen: 0.165 ng

RT: 19.16 min Scan# 1374

Delta R.T. -0.00 min

Lab File: BE100773.D

Acq: 4 Dec 2019 13:13

Instrument :

BNA_E

ClientSampleId :

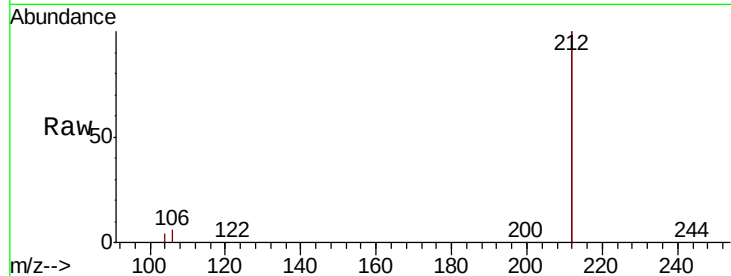
Tot Ion:212 Resp: 59148

Ion Ratio Lower Upper

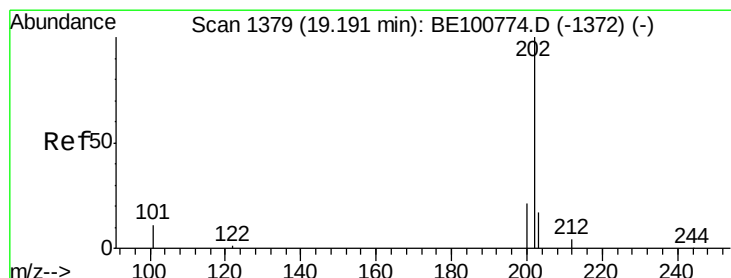
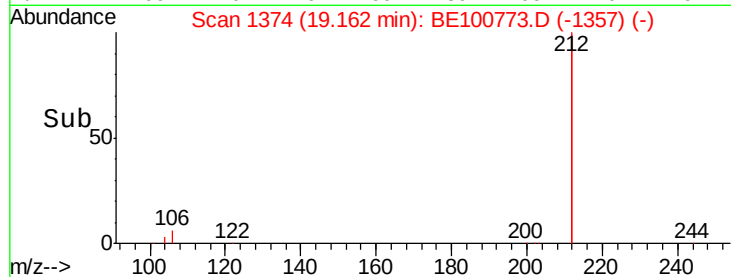
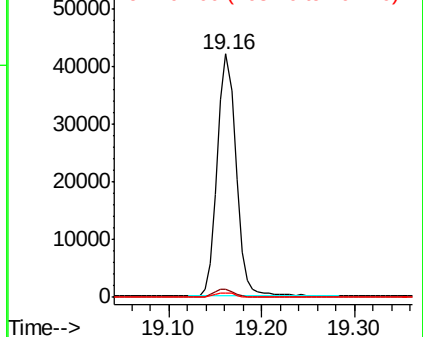
212 100

106 3.2 2.6 3.8

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: 0.163 ng

RT: 19.19 min Scan# 1379

Delta R.T. -0.00 min

Lab File: BE100773.D

Acq: 4 Dec 2019 13:13

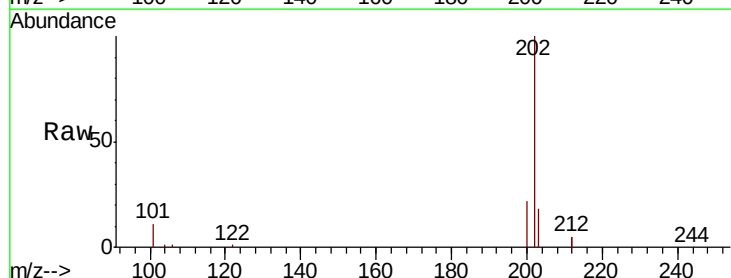
Tgt Ion:202 Resp: 17525

Ion Ratio Lower Upper

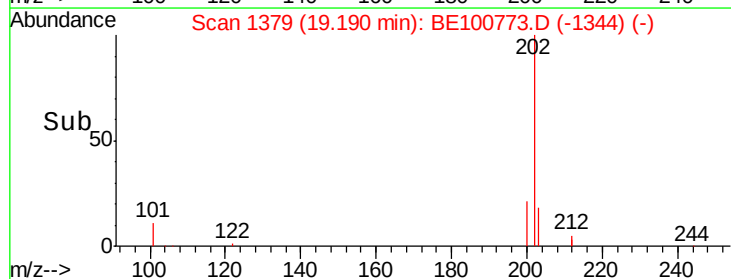
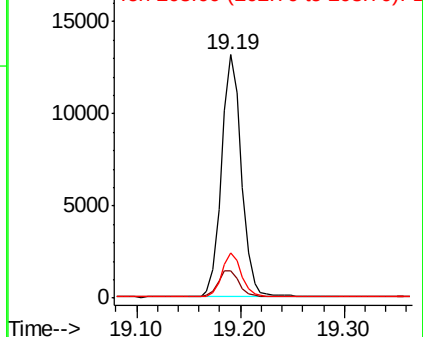
202 100

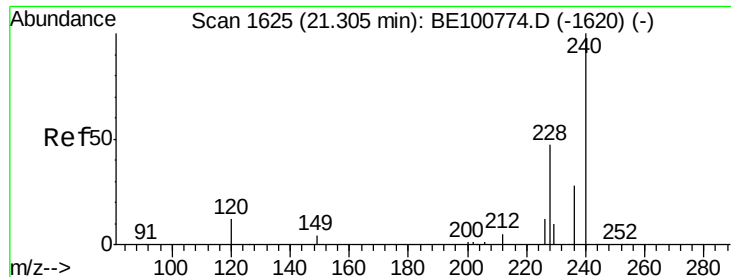
101 11.7 9.1 13.7

203 17.5 13.8 20.6



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

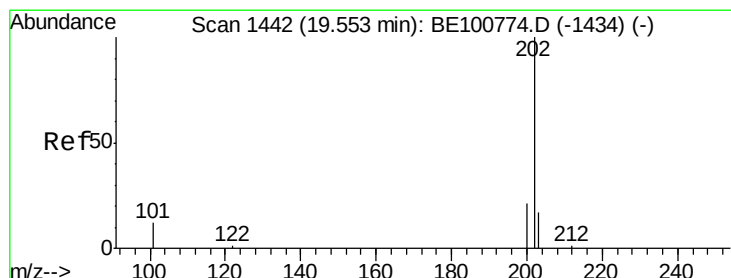
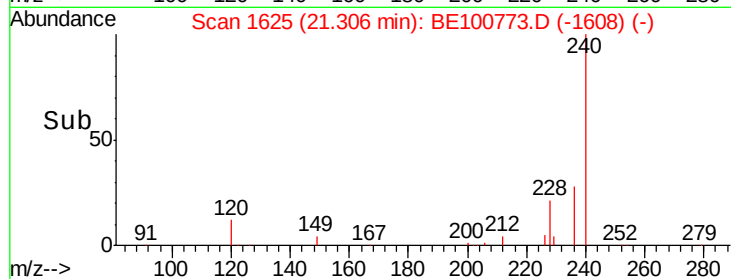
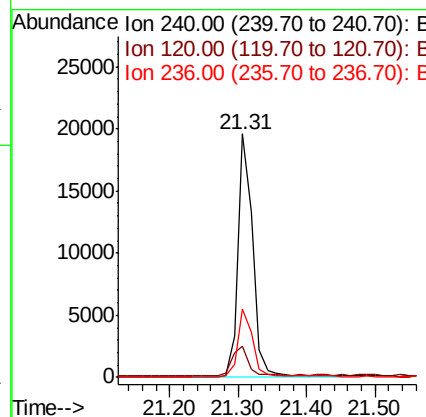
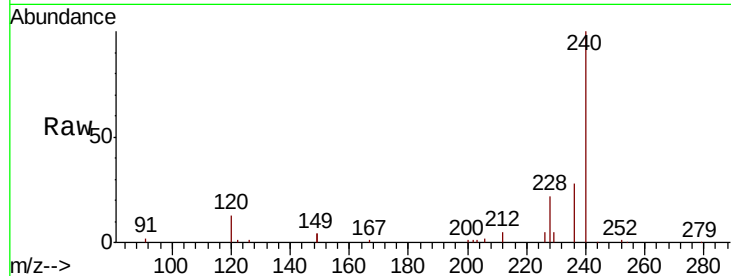




#27
 Chrysene-d12
 Concen: 0.400 ng
 RT: 21.31 min Scan# 1625
 Delta R.T. 0.00 min
 Lab File: BE100773.D
 Acq: 4 Dec 2019 13:13

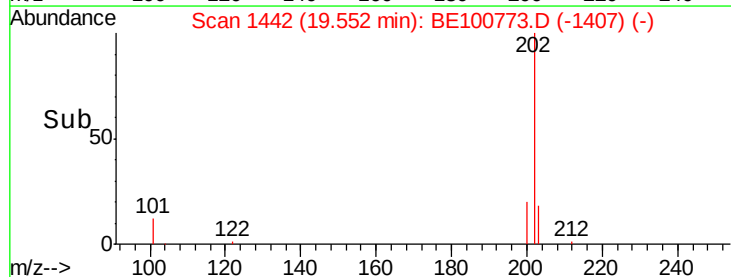
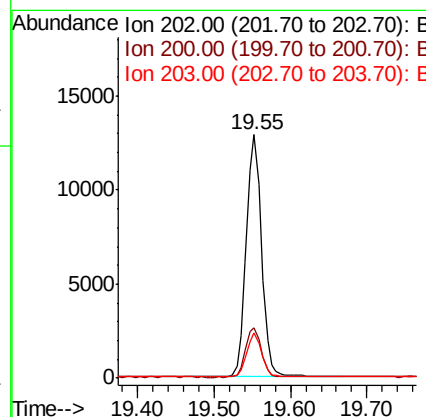
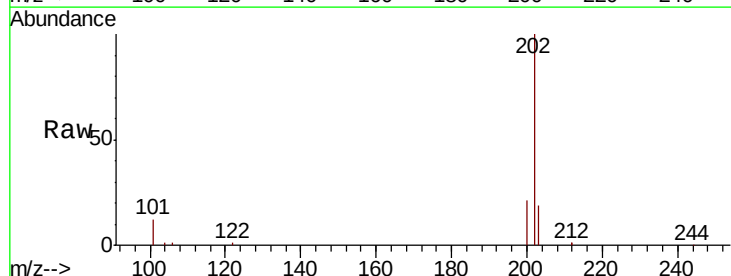
Instrument :
 BNA_E
 ClientSampled :

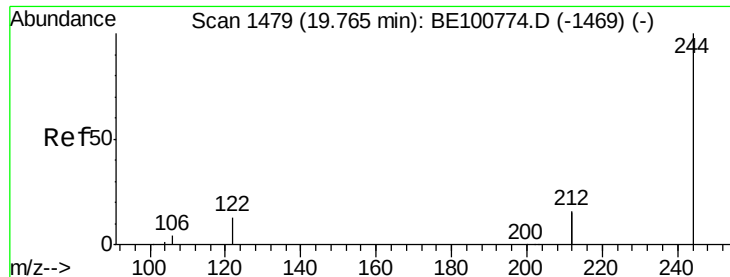
Tot Ion:240 Resp: 28963
 Ion Ratio Lower Upper
 240 100
 120 12.6 10.2 15.2
 236 28.2 22.3 33.5



#28
 Pyrene
 Concen: 0.201 ng
 RT: 19.55 min Scan# 1442
 Delta R.T. -0.00 min
 Lab File: BE100773.D
 Acq: 4 Dec 2019 13:13

Tgt Ion:202 Resp: 18017
 Ion Ratio Lower Upper
 202 100
 200 21.2 17.0 25.4
 203 17.7 13.9 20.9





#29

Terphenyl-d14

Concen: 0.199 ng

RT: 19.76 min Scan# 1479

Delta R.T. -0.00 min

Lab File: BE100773.D

Acq: 4 Dec 2019 13:13

Instrument :

BNA_E

ClientSampleId :

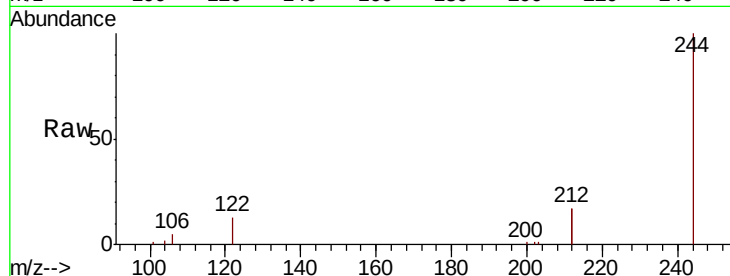
Tot Ion:244 Resp: 13257

Ion Ratio Lower Upper

244 100

212 33.2 26.2 39.4

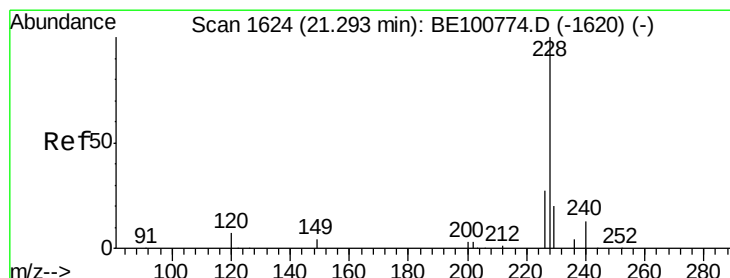
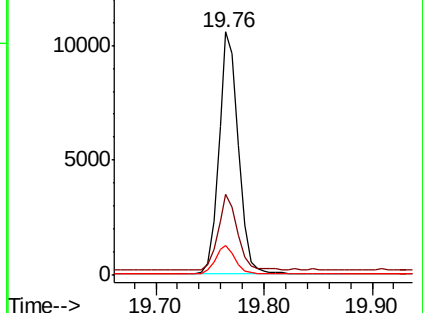
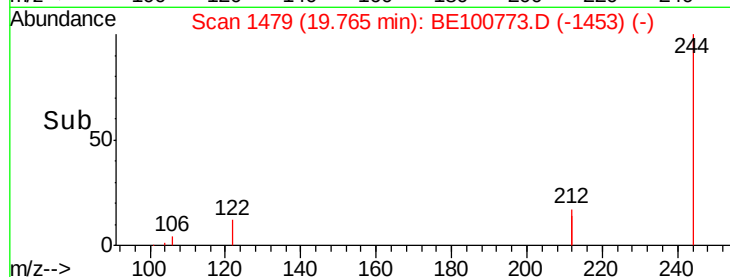
122 12.5 10.2 15.4



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: 0.159 ng

RT: 21.29 min Scan# 1624

Delta R.T. 0.00 min

Lab File: BE100773.D

Acq: 4 Dec 2019 13:13

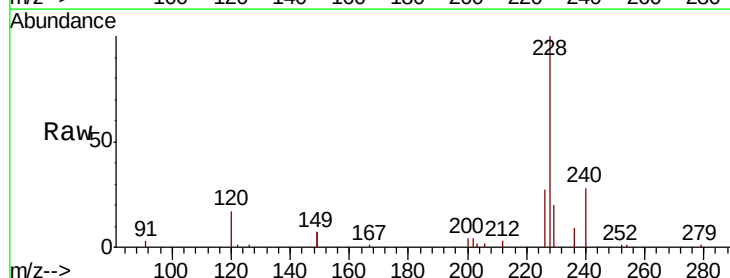
Tgt Ion:228 Resp: 15512

Ion Ratio Lower Upper

228 100

226 27.0 21.5 32.3

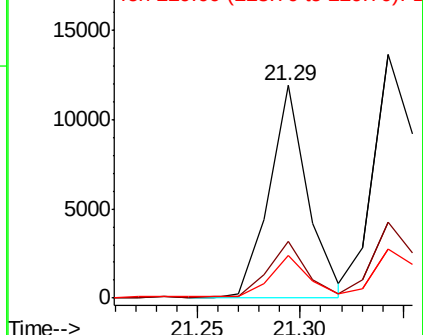
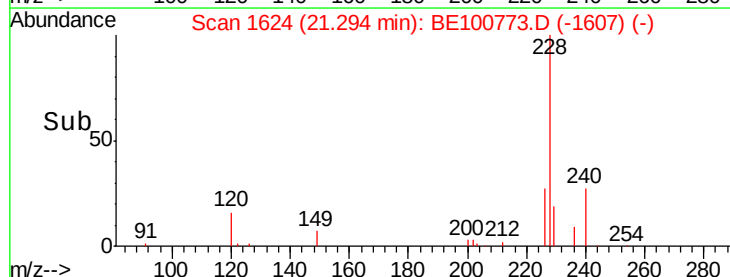
229 19.8 16.0 24.0

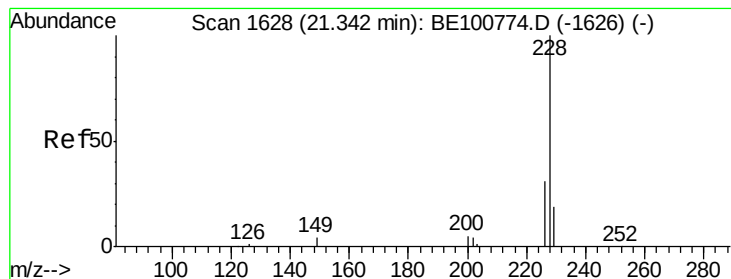


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#31

Chrysene

Concen: 0.200 ng

RT: 21.34 min Scan# 1628

Delta R.T. 0.00 min

Lab File: BE100773.D

Acq: 4 Dec 2019 13:13

Instrument :

BNA_E

ClientSampleId :

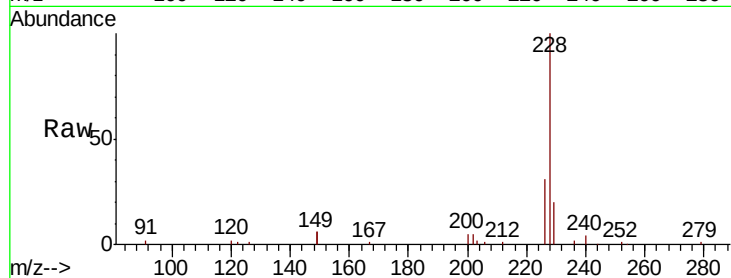
Tot Ion:228 Resp: 19819

Ion Ratio Lower Upper

228 100

226 31.3 25.0 37.4

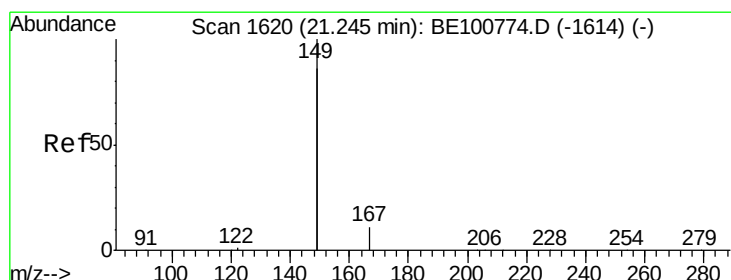
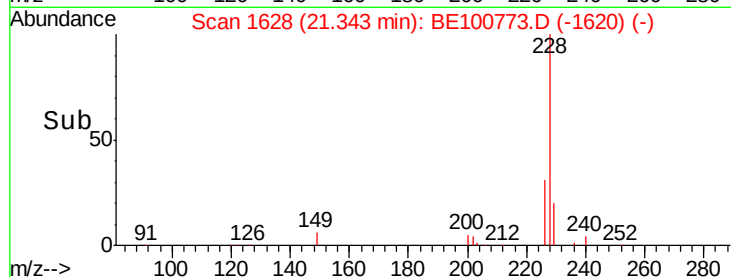
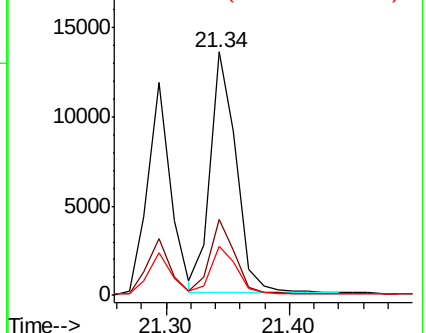
229 19.9 15.4 23.2



Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#32

Bis(2-ethylhexyl)phthalate

Concen: 0.081 ng

RT: 21.25 min Scan# 1620

Delta R.T. 0.00 min

Lab File: BE100773.D

Acq: 4 Dec 2019 13:13

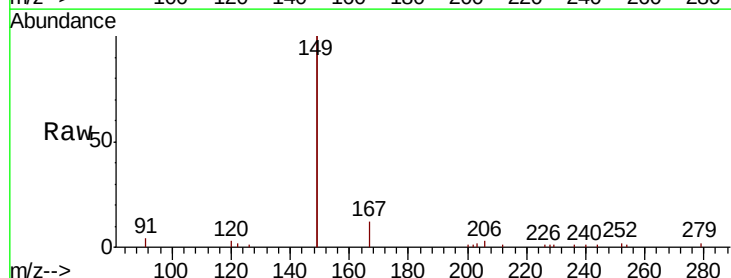
Tgt Ion:149 Resp: 14239

Ion Ratio Lower Upper

149 100

167 6.2 5.0 7.6

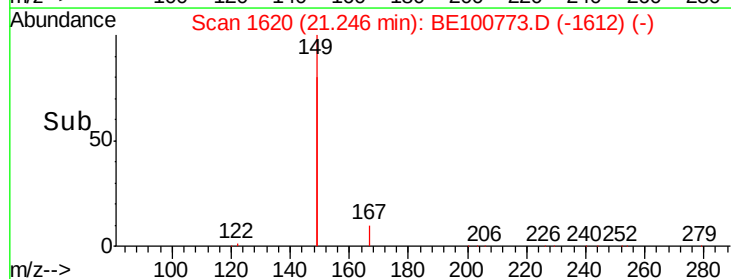
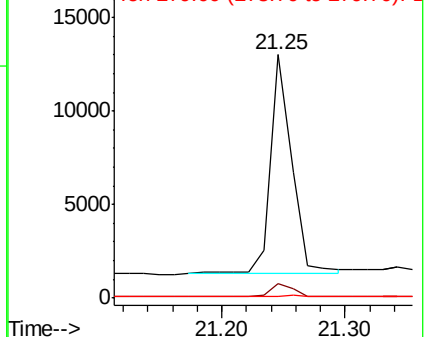
279 1.1 0.7 1.1

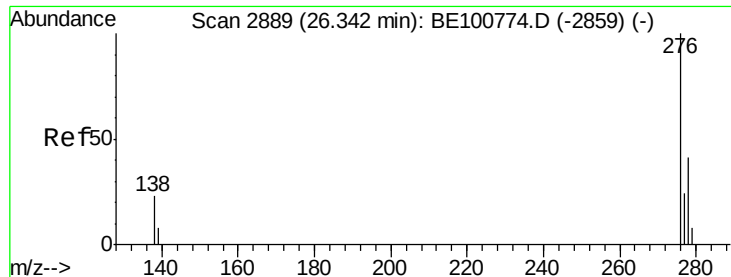


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E

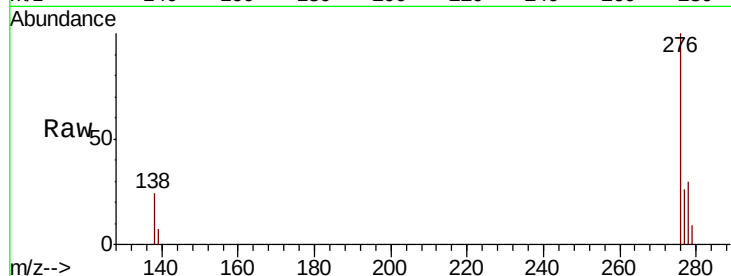




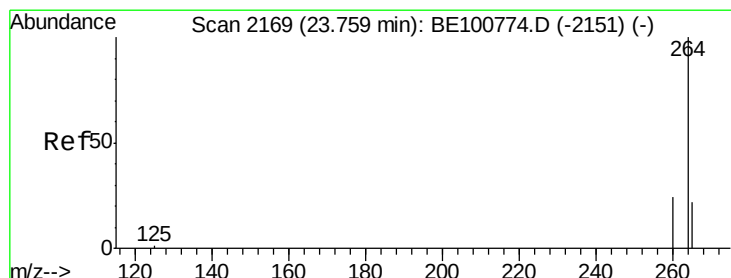
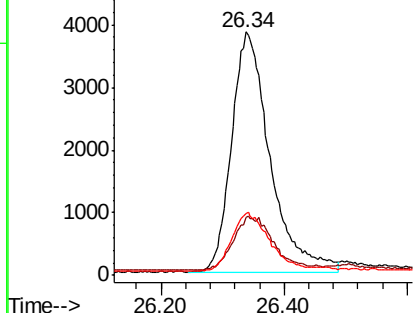
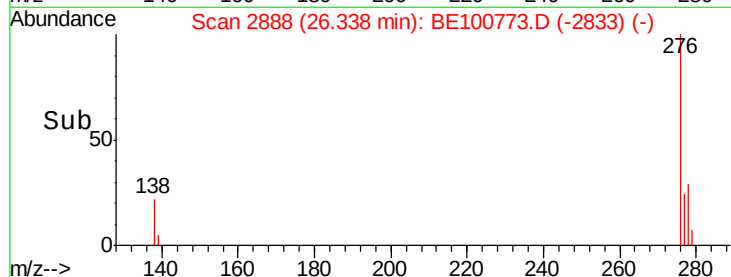
#33
Indeno(1,2,3-cd)pyrene
Concen: 0.160 ng
RT: 26.34 min Scan# 2888
Delta R.T. -0.00 min
Lab File: BE100773.D
Acq: 4 Dec 2019 13:13

Instrument :
BNA_E
ClientSampleId :

Tot Ion:276 Resp: 16674
Ion Ratio Lower Upper
276 100
138 22.8 19.4 29.0
277 24.2 19.8 29.6

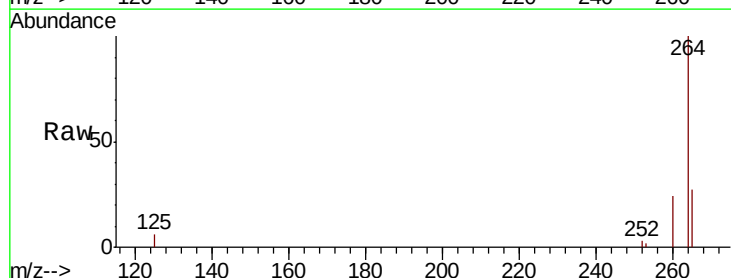


Abundance Ion 276.00 (275.70 to 276.70): E
Ion 138.00 (137.70 to 138.70): E
Ion 277.00 (276.70 to 277.70): E

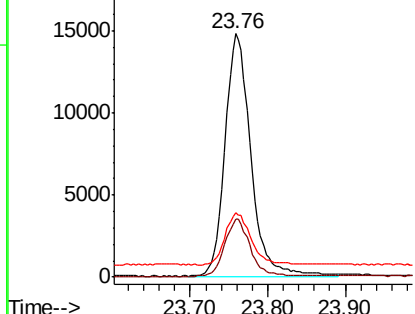
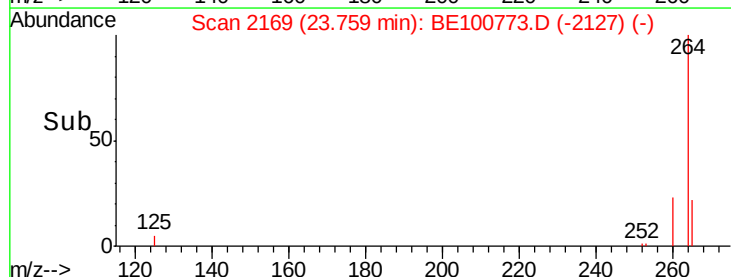


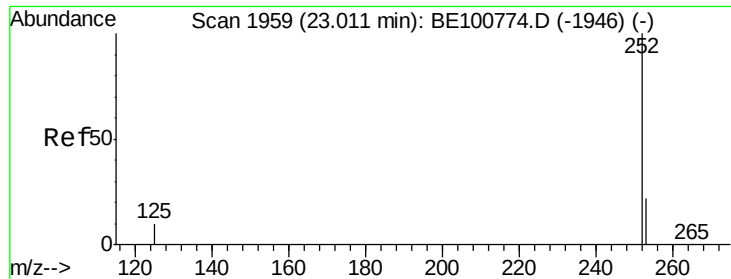
#34
Perylene-d12
Concen: 0.400 ng
RT: 23.76 min Scan# 2169
Delta R.T. -0.00 min
Lab File: BE100773.D
Acq: 4 Dec 2019 13:13

Tgt Ion:264 Resp: 34090
Ion Ratio Lower Upper
264 100
260 23.7 19.4 29.2
265 26.7 21.8 32.8



Abundance Ion 264.00 (263.70 to 264.70): E
Ion 260.00 (259.70 to 260.70): E
Ion 265.00 (264.70 to 265.70): E





#35

Benzo(b)fluoranthene

Concen: 0.150 ng

RT: 23.01 min Scan# 1959

Delta R.T. -0.00 min

Lab File: BE100773.D

Acq: 4 Dec 2019 13:13

Instrument :

BNA_E

ClientSampleId :

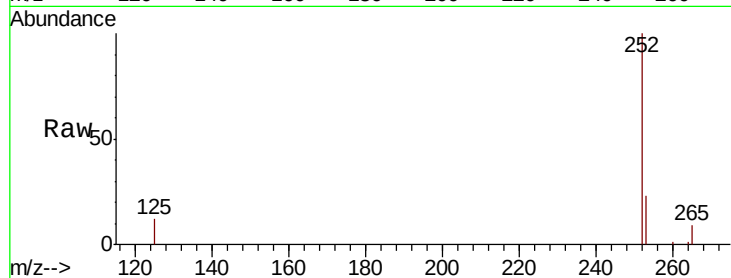
Tot Ion:252 Resp: 16075

Ion Ratio Lower Upper

252 100

253 22.6 17.8 26.8

125 12.1 9.0 13.4

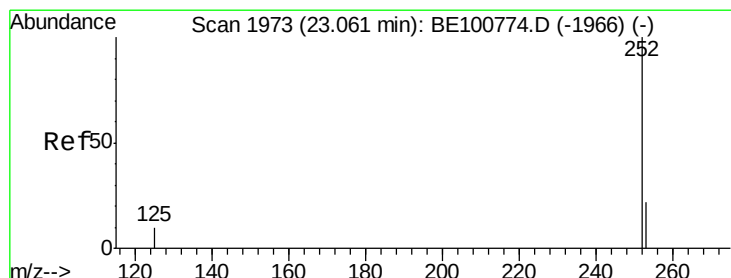
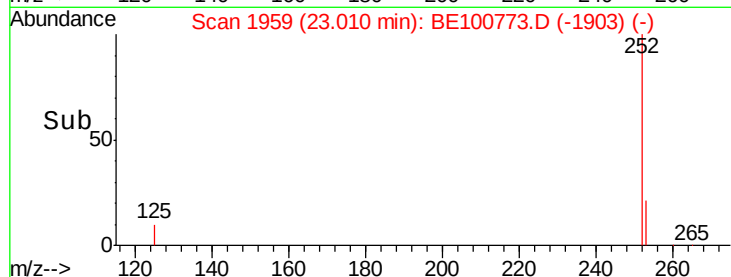
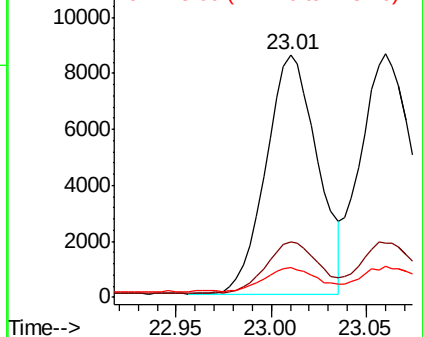


Abundance

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: 0.163 ng

RT: 23.06 min Scan# 1973

Delta R.T. -0.00 min

Lab File: BE100773.D

Acq: 4 Dec 2019 13:13

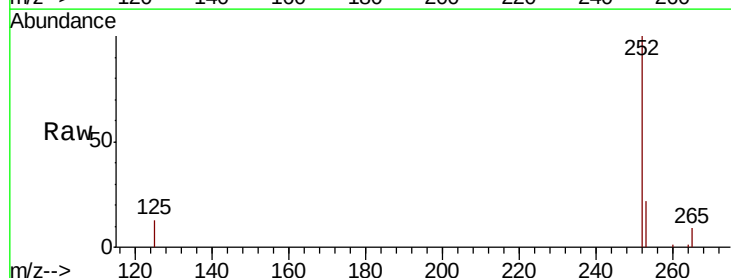
Tgt Ion:252 Resp: 18220

Ion Ratio Lower Upper

252 100

253 22.1 17.8 26.8

125 13.0 8.7 13.1

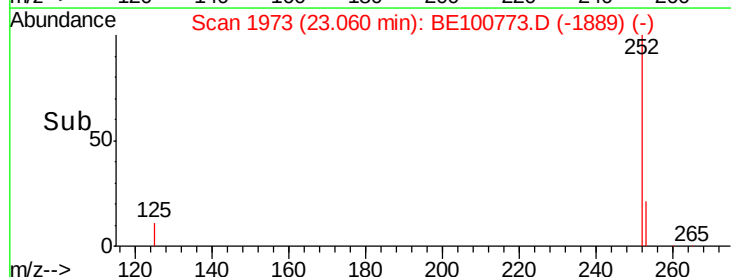
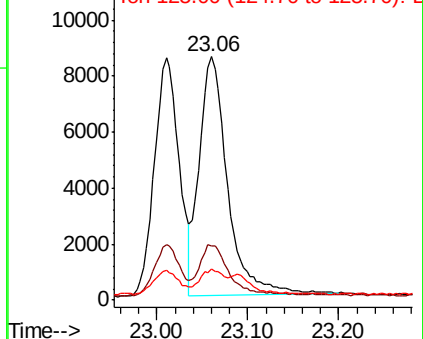


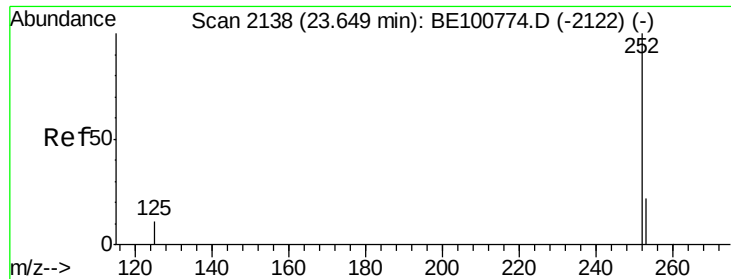
Abundance

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: 0.145 ng

RT: 23.65 min Scan# 2138

Delta R.T. -0.00 min

Lab File: BE100773.D

Acq: 4 Dec 2019 13:13

Instrument :

BNA_E

ClientSampleId :

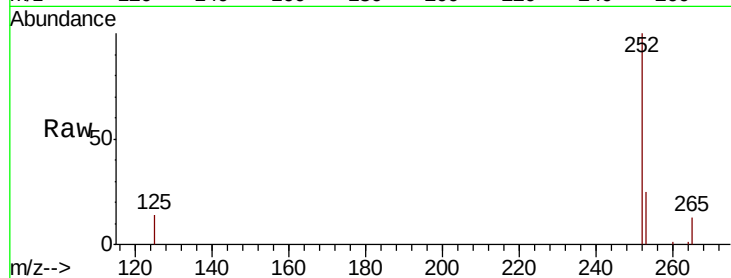
Tot Ion:252 Resp: 13703

Ion Ratio Lower Upper

252 100

253 24.8 18.2 27.4

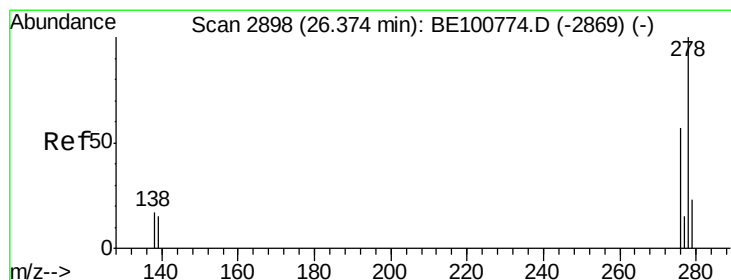
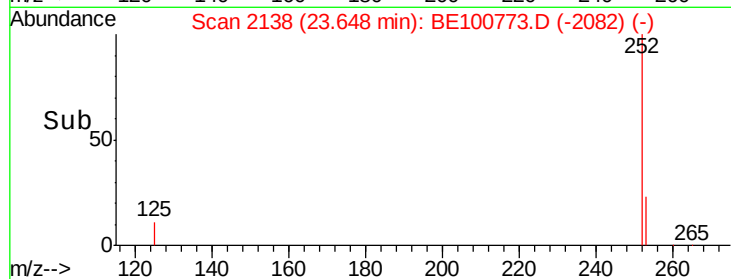
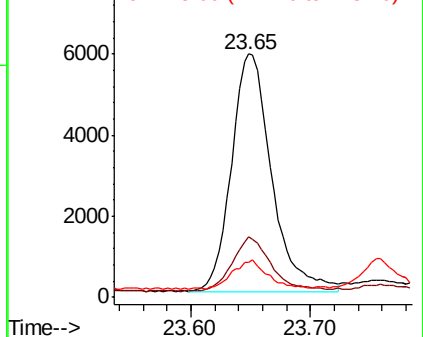
125 14.2 10.4 15.6



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: 0.134 ng

RT: 26.37 min Scan# 2897

Delta R.T. -0.00 min

Lab File: BE100773.D

Acq: 4 Dec 2019 13:13

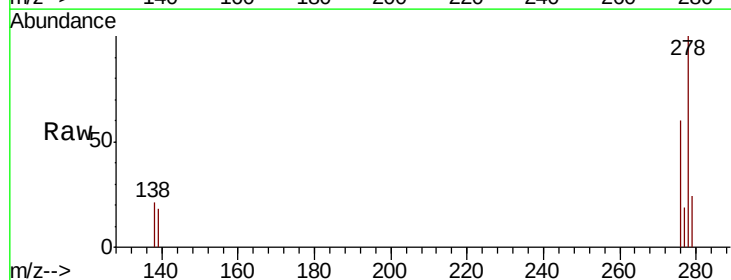
Tgt Ion:278 Resp: 13302

Ion Ratio Lower Upper

278 100

139 17.6 13.0 19.4

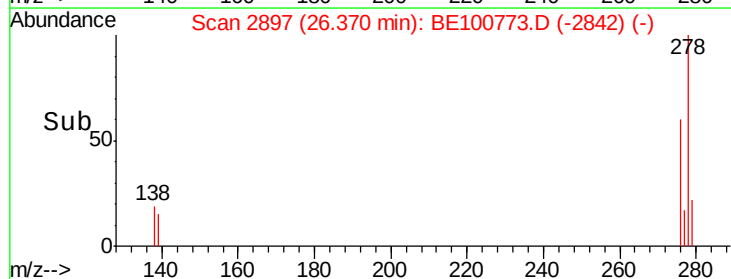
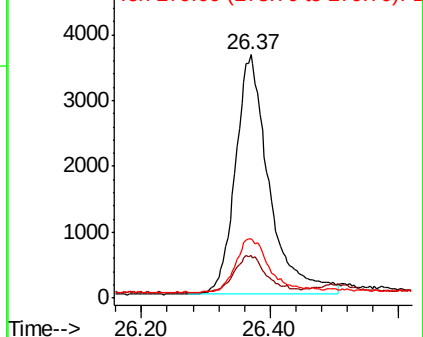
279 24.5 19.6 29.4

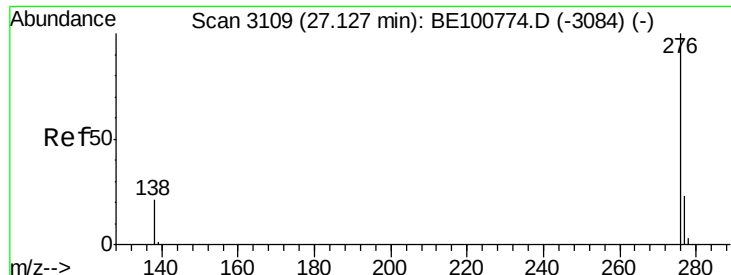


Abundance Ion 278.00 (277.70 to 278.70): E

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: 0.149 ng

RT: 27.13 min Scan# 3110

Delta R.T. 0.00 min

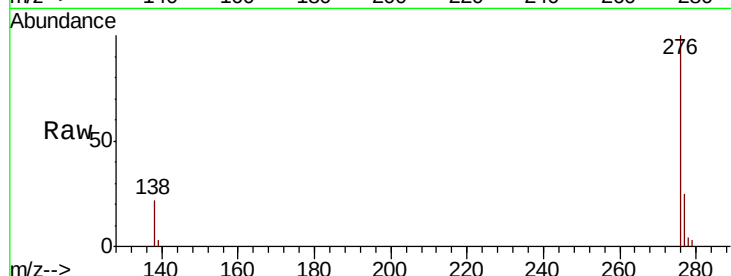
Lab File: BE100773.D

Acq: 4 Dec 2019 13:13

Instrument :

BNA_E

ClientSampleId :



Tot Ion: 276 Resp: 15395

Ion Ratio Lower Upper

276 100

277 24.8 19.3 28.9

138 22.0 17.8 26.6

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

