

Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE092719\
 Data File : BE100572.D
 Acq On : 27 Sep 2019 14:42
 Operator : JU
 Sample : SSTDICC0.2
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :

Quant Time: Sep 27 18:04:38 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA E\METHODS\8270-SIM-BE092719.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Sep 27 17:54:33 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.86	152	3322	0.40	ng	0.00
7) Naphthalene-d8	10.65	136	15841	0.40	ng	0.00
13) Acenaphthene-d10	14.48	164	9845	0.40	ng	0.00
19) Phenanthrene-d10	17.21	188	23949	0.40	ng	0.00
27) Chrysene-d12	21.37	240	27820	0.40	ng	0.00
34) Perylene-d12	23.85	264	32216	0.40	ng	0.00

System Monitoring Compounds						
4) 2-Fluorophenol	5.43	112	1882	0.24	ng	0.00
5) Phenol-d6	7.02	99	2419	0.23	ng	0.00
8) Nitrobenzene-d5	9.00	82	2133	0.23	ng	0.00
11) 2-Methylnaphthalene-d10	12.24	152	4739	0.20	ng	0.00
14) 2,4,6-Tribromophenol	15.97	330	504	0.32	ng	0.01
15) 2-Fluorobiphenyl	13.12	172	6623	0.19	ng	0.00
25) Fluoranthene-d10	19.24	212	56746	0.20	ng	0.00
29) Terphenyl-d14	19.83	244	12957	0.20	ng	0.00

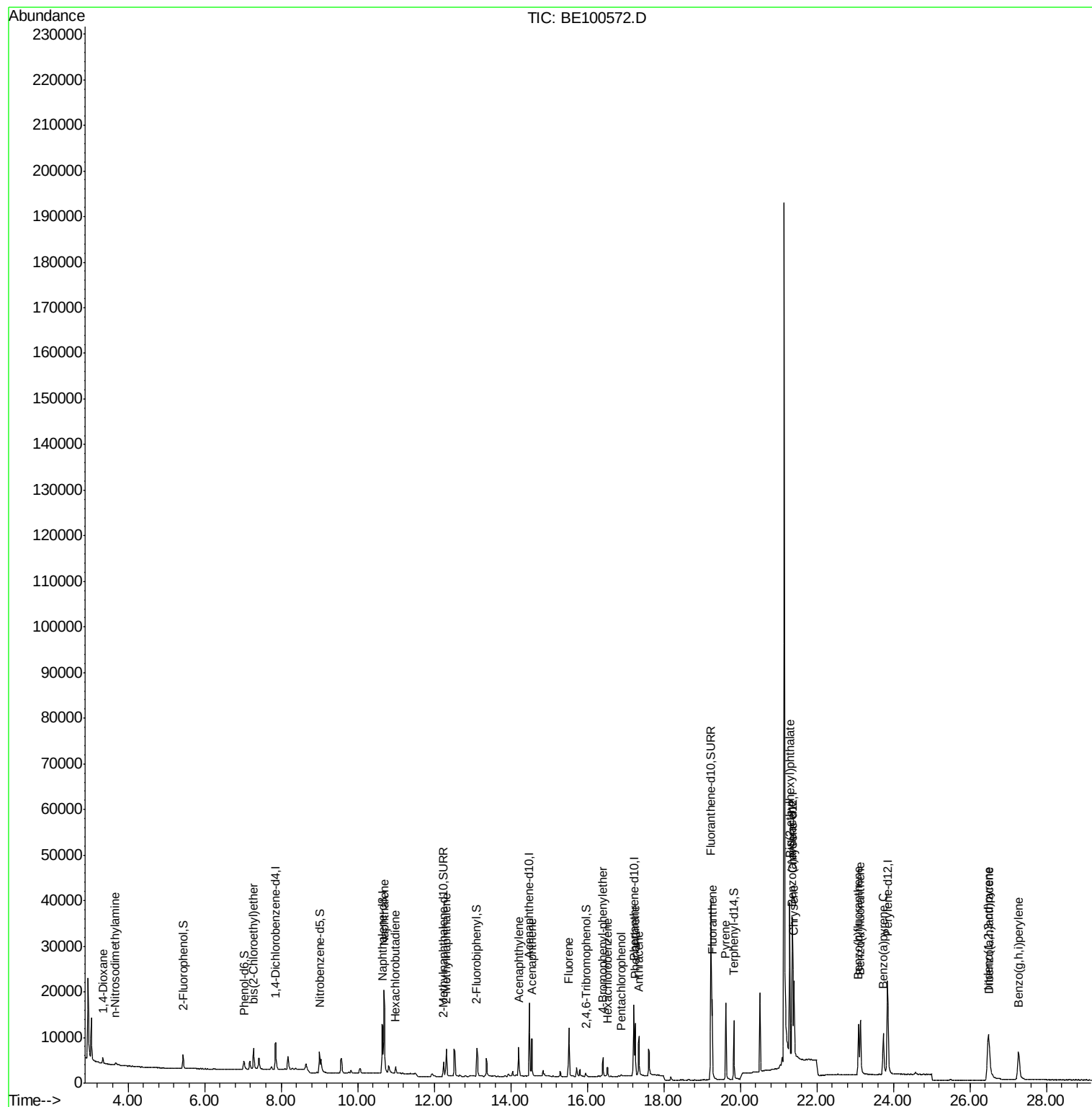
Target Compounds					Qvalue	
2) 1,4-Dioxane	3.34	88	1359	0.284	ng	92
3) n-Nitrosodimethylamine	3.67	42	524	0.186	ng	# 100
6) bis(2-Chloroethyl)ether	7.27	93	2201	0.204	ng	95
9) Naphthalene	10.69	128	32187	0.196	ng	100
10) Hexachlorobutadiene	10.99	225	977	0.186	ng	97
12) 2-Methylnaphthalene	12.31	142	5232	0.200	ng	99
16) Acenaphthylene	14.21	152	7953	0.196	ng	99
17) Acenaphthene	14.56	154	5287	0.193	ng	100
18) Fluorene	15.51	166	6871	0.201	ng	98
20) 4-Bromophenyl-phenylether	16.41	248	2116	0.188	ng	97
21) Hexachlorobenzene	16.53	284	1703	0.174	ng	97
22) Pentachlorophenol	16.89	266	356	0.159	ng	88
23) Phenanthrene	17.25	178	12825	0.192	ng	100
24) Anthracene	17.35	178	10984	0.196	ng	100
26) Fluoranthene	19.27	202	15572	0.194	ng	100
28) Pyrene	19.62	202	16184	0.202	ng	99
30) Benzo(a)anthracene	21.35	228	15697	0.211	ng	99
31) Chrysene	21.40	228	15870	0.187	ng	99
32) Bis(2-ethylhexyl)phthalate	21.29	149	43263	0.540	ng	99
33) Indeno(1,2,3-cd)pyrene	26.47	276	19811	0.210	ng	99
35) Benzo(b)fluoranthene	23.09	252	16903	0.194	ng	97
36) Benzo(k)fluoranthene	23.14	252	18002	0.178	ng	98
37) Benzo(a)pyrene	23.74	252	15934	0.196	ng	# 96
38) Dibenzo(a,h)anthracene	26.50	278	15663	0.185	ng	96
39) Benzo(g,h,i)perylene	27.27	276	16813	0.190	ng	97

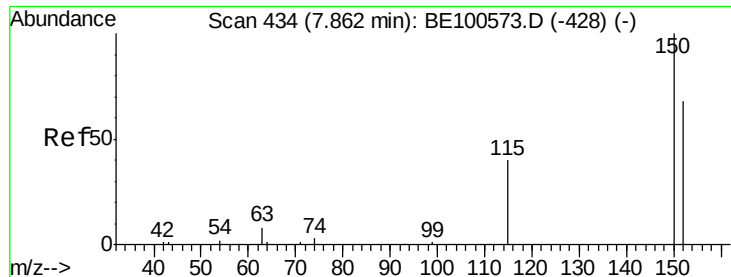
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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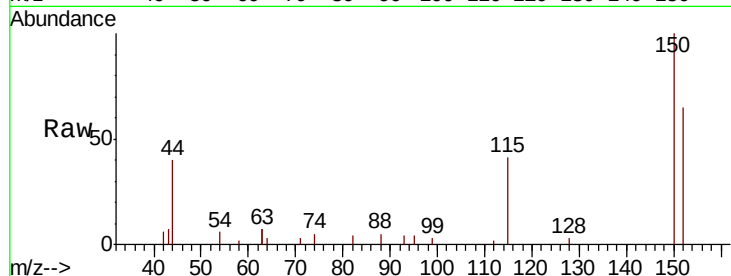


#1

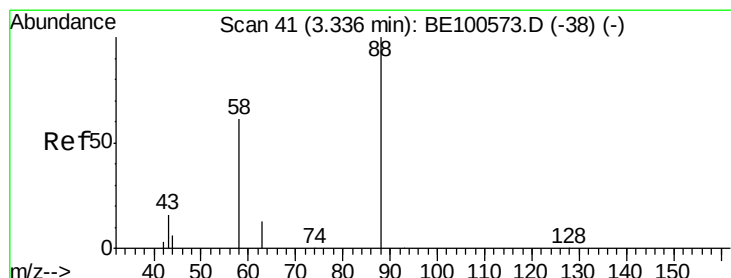
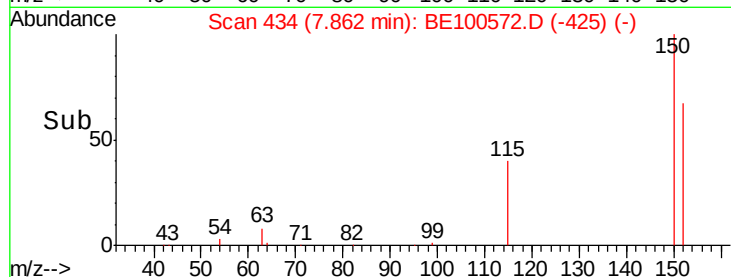
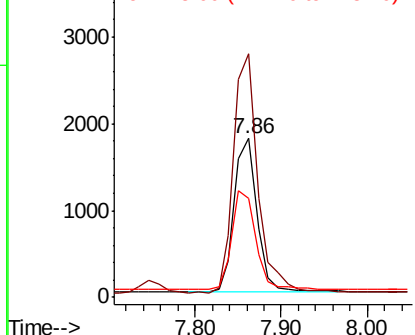
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.86 min Scan# 434
Delta R.T. 0.00 min
Lab File: BE100572.D
Acq: 27 Sep 2019 14:42

Instrument :
BNA_E
ClientSampleId :

Tot Ion:152 Resp: 3322
Ion Ratio Lower Upper
152 100
150 153.6 116.9 175.3
115 62.3 50.2 75.4



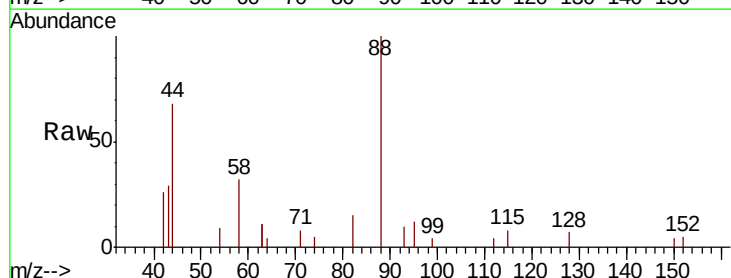
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



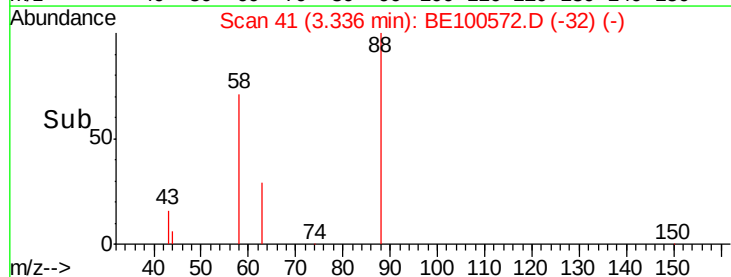
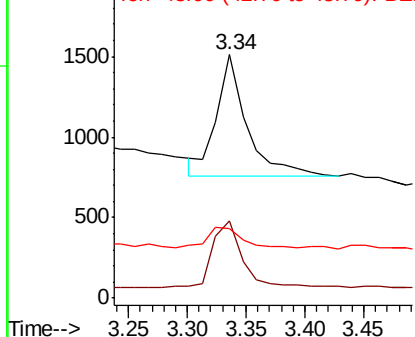
#2

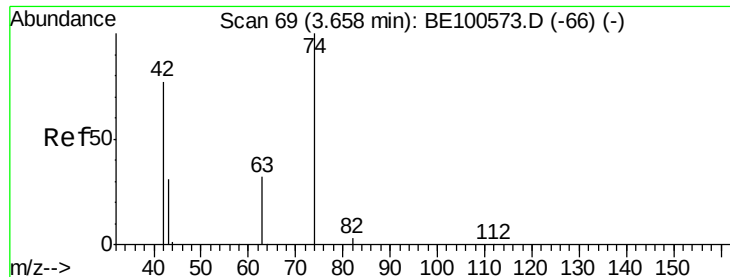
1,4-Dioxane
Concen: 0.284 ng
RT: 3.34 min Scan# 41
Delta R.T. 0.00 min
Lab File: BE100572.D
Acq: 27 Sep 2019 14:42

Tgt Ion: 88 Resp: 1359
Ion Ratio Lower Upper
88 100
58 52.1 46.4 69.6
43 24.8 16.7 25.1



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: 0.186 ng

RT: 3.67 min Scan# 70

Delta R.T. 0.01 min

Lab File: BE100572.D

Acq: 27 Sep 2019 14:42

Instrument :

BNA_E

ClientSampleId :

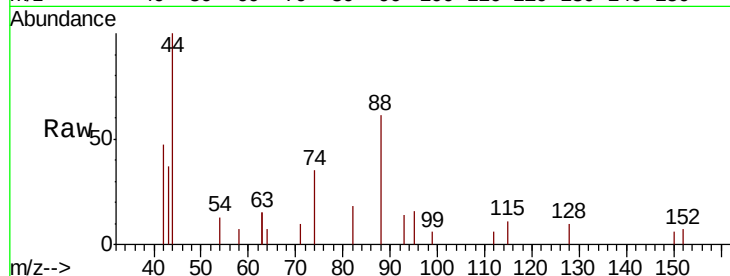
Tot Ion: 42 Resp: 524

Ion Ratio Lower Upper

42 100

74 170.2 0.0 0.0#

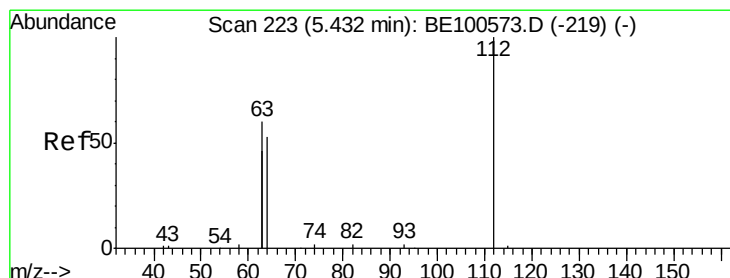
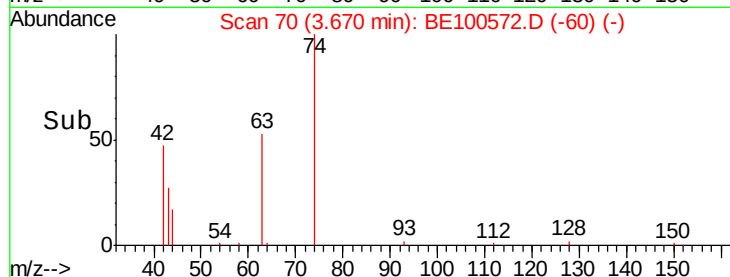
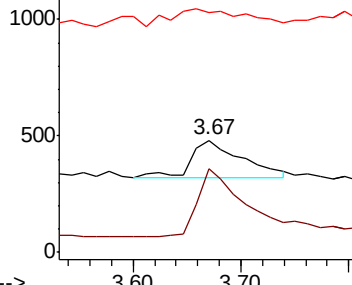
44 68.3 0.0 0.0#



Abundance Ion 42.00 (41.70 to 42.70): BE1

Ion 74.00 (73.70 to 74.70): BE1

Ion 44.00 (43.70 to 44.70): BE1



#4

2-Fluorophenol

Concen: 0.242 ng

RT: 5.43 min Scan# 223

Delta R.T. 0.00 min

Lab File: BE100572.D

Acq: 27 Sep 2019 14:42

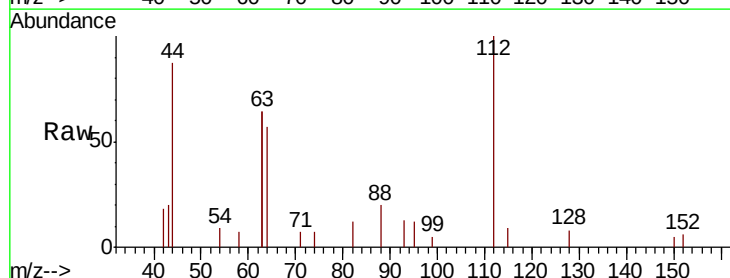
Tgt Ion: 112 Resp: 1882

Ion Ratio Lower Upper

112 100

64 55.9 44.9 67.3

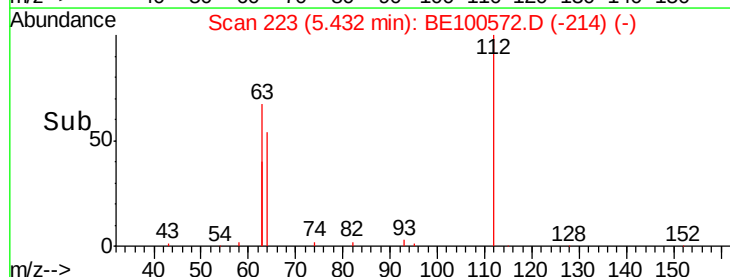
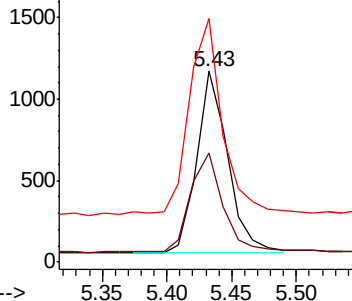
63 112.8 90.1 135.1

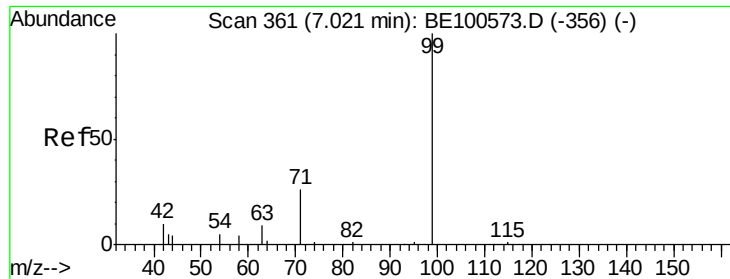


Abundance Ion 112.00 (111.70 to 112.70): BE1

Ion 64.00 (63.70 to 64.70): BE1

Ion 63.00 (62.70 to 63.70): BE1





#5

Phenol-d6

Concen: 0.227 ng

RT: 7.02 min Scan# 361

Delta R.T. 0.00 min

Lab File: BE100572.D

Acq: 27 Sep 2019 14:42

Instrument :

BNA_E

ClientSampleId :

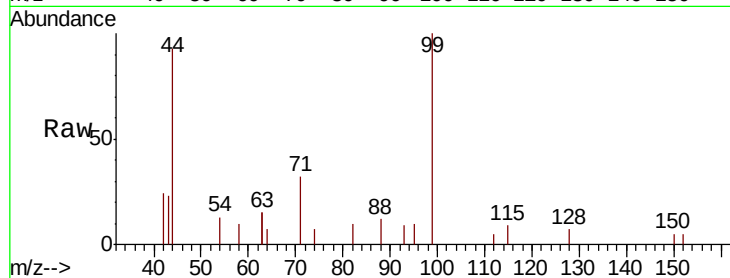
Tot Ion: 99 Resp: 2419

Ion Ratio Lower Upper

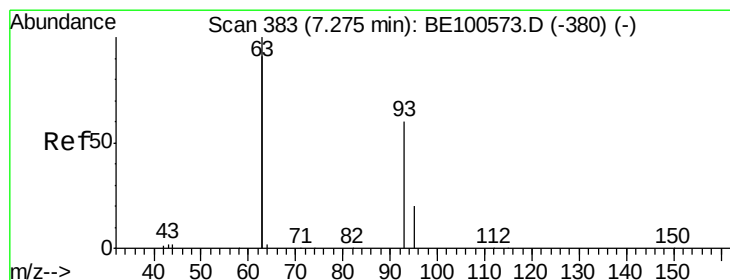
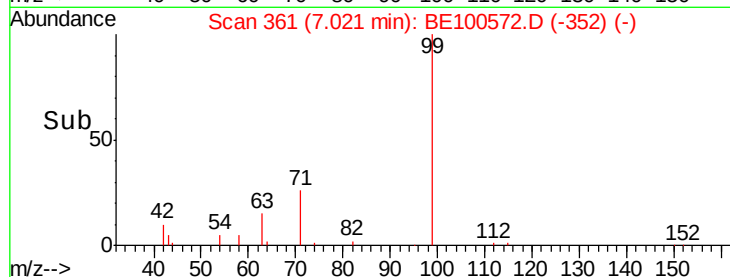
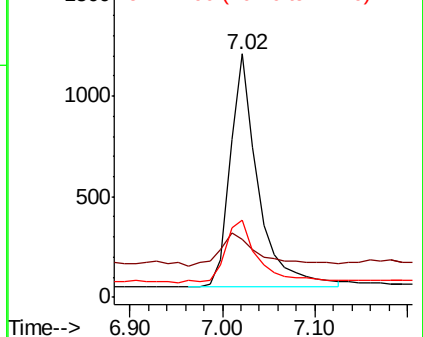
99 100

42 20.0 11.7 17.5#

71 31.7 23.6 35.4



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



#6

bis(2-Chloroethyl)ether

Concen: 0.204 ng

RT: 7.27 min Scan# 383

Delta R.T. 0.00 min

Lab File: BE100572.D

Acq: 27 Sep 2019 14:42

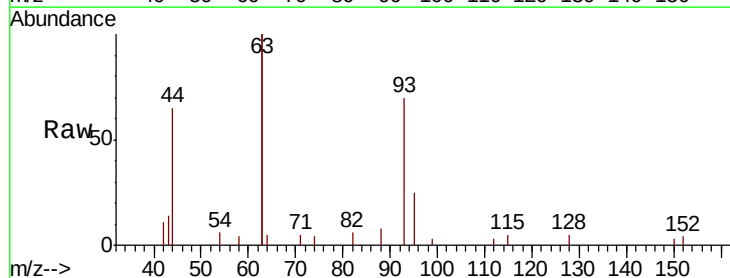
Tgt Ion: 93 Resp: 2201

Ion Ratio Lower Upper

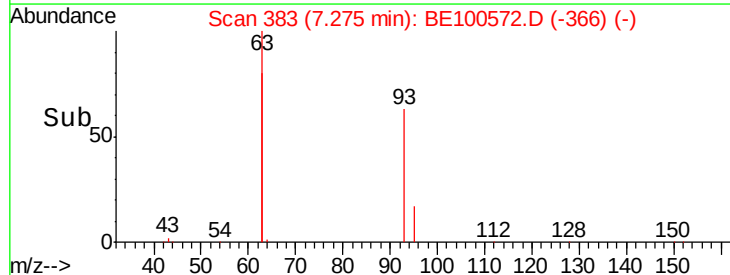
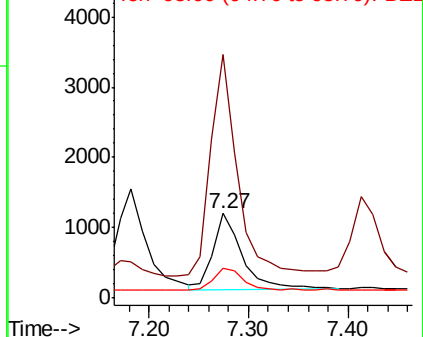
93 100

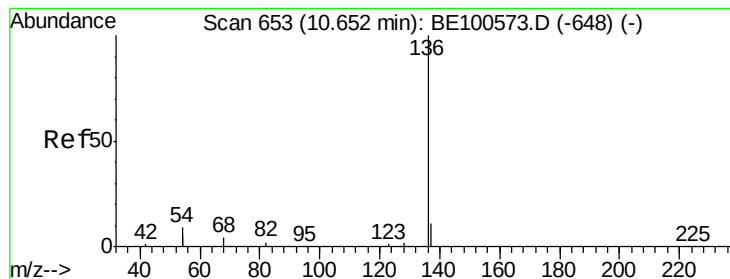
63 274.9 228.3 342.5

95 29.3 24.2 36.4



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: 10.65 min Scan# 653

Delta R.T. 0.00 min

Lab File: BE100572.D

Acq: 27 Sep 2019 14:42

Instrument :

BNA_E

ClientSampleId :

Tot Ion:136 Resp: 15841

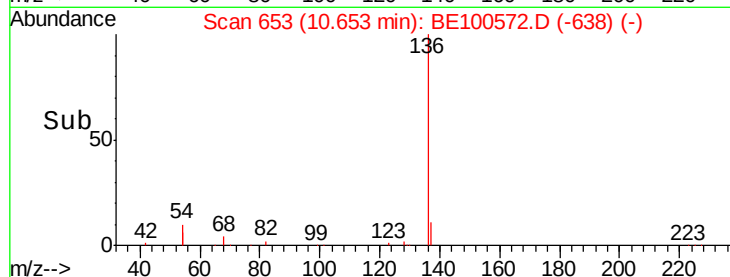
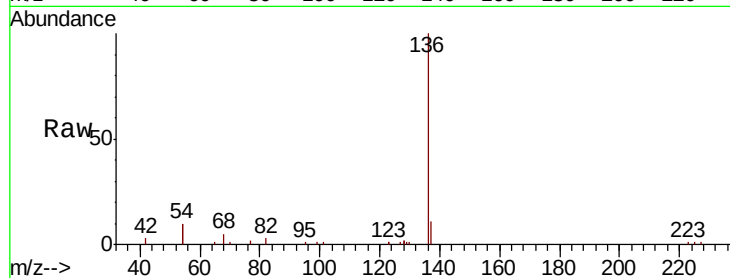
Ion Ratio Lower Upper

136 100

137 11.2 9.0 13.4

54 19.7 15.0 22.6

68 4.9 3.7 5.5

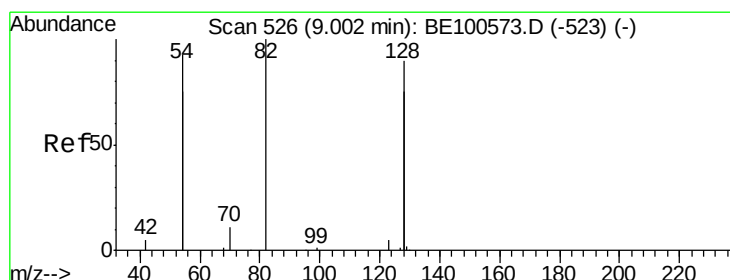
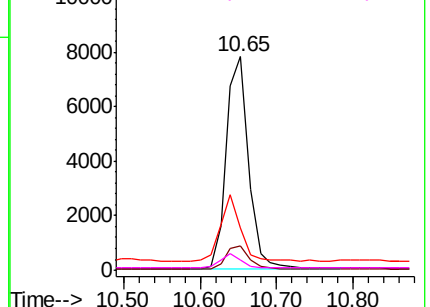


Abundance Ion 136.00 (135.70 to 136.70): E

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: 0.234 ng

RT: 9.00 min Scan# 526

Delta R.T. 0.00 min

Lab File: BE100572.D

Acq: 27 Sep 2019 14:42

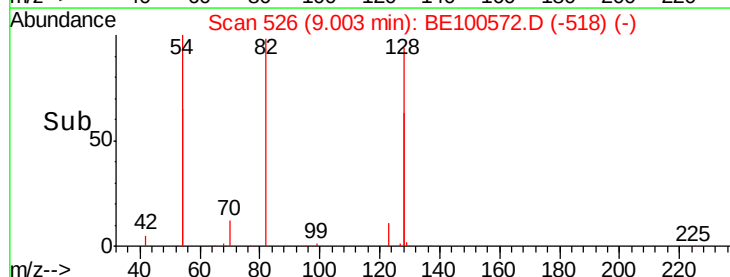
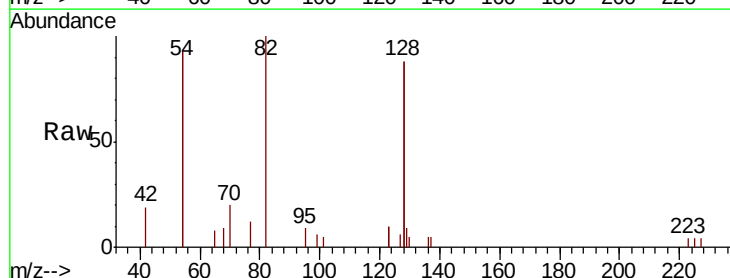
Tgt Ion: 82 Resp: 2133

Ion Ratio Lower Upper

82 100

128 176.2 137.9 206.9

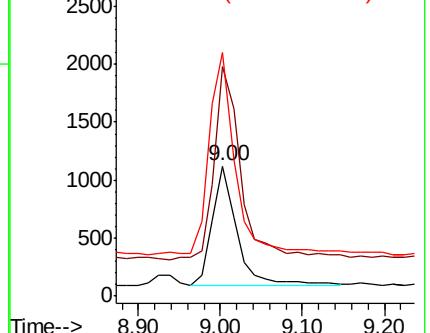
54 186.8 143.0 214.6

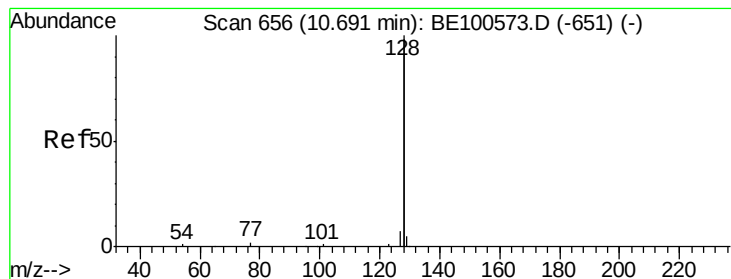


Abundance Ion 82.00 (81.70 to 82.70): BE1

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BE1





#9

Naphthalene

Concen: 0.196 ng

RT: 10.69 min Scan# 656

Delta R.T. 0.00 min

Lab File: BE100572.D

Acq: 27 Sep 2019 14:42

Instrument :

BNA_E

ClientSampleId :

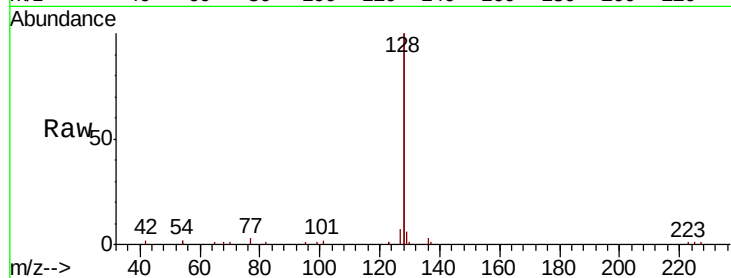
Tot Ion:128 Resp: 32187

Ion Ratio Lower Upper

128 100

129 3.0 2.2 3.4

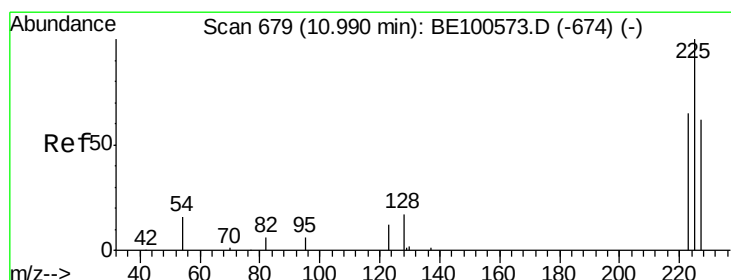
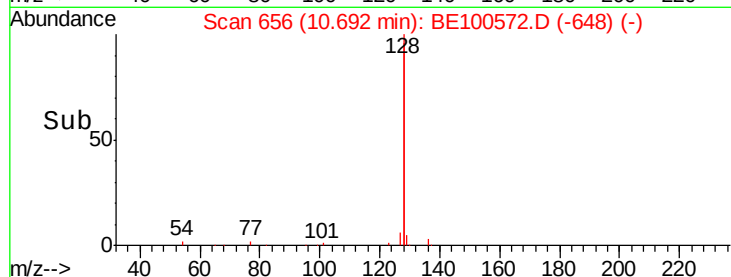
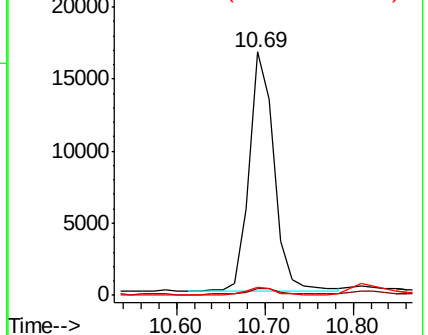
127 3.5 2.8 4.2



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: 0.186 ng

RT: 10.99 min Scan# 679

Delta R.T. 0.00 min

Lab File: BE100572.D

Acq: 27 Sep 2019 14:42

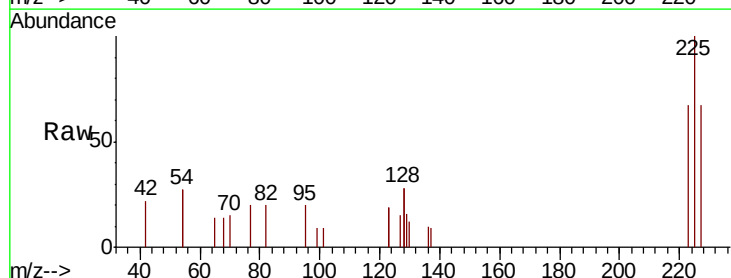
Tgt Ion:225 Resp: 977

Ion Ratio Lower Upper

225 100

223 64.8 49.4 74.0

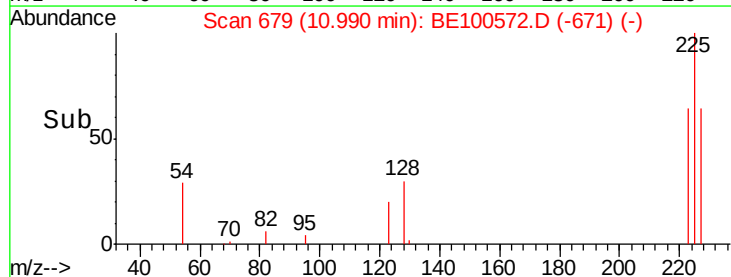
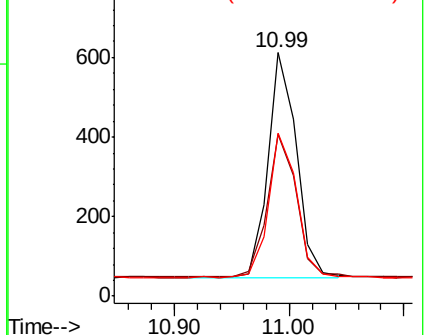
227 63.9 50.3 75.5

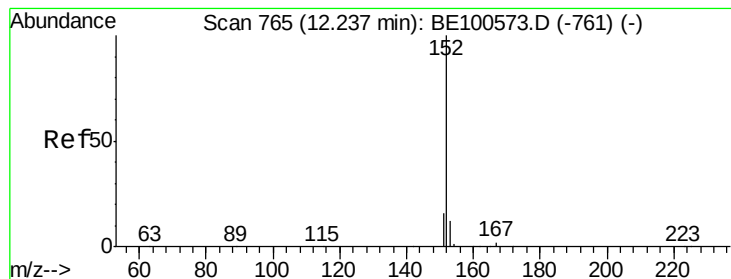


Abundance Ion 225.00 (224.70 to 225.70): E

Ion 223.00 (222.70 to 223.70): E

Ion 227.00 (226.70 to 227.70): E





#11

2-Methylnaphthalene-d10

Concen: 0.200 ng

RT: 12.24 min Scan# 765

Delta R.T. -0.00 min

Lab File: BE100572.D

Acq: 27 Sep 2019 14:42

Instrument :

BNA_E

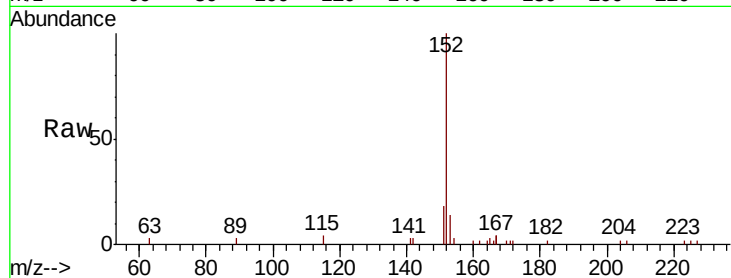
ClientSampled :

Tot Ion:152 Resp: 4739

Ion Ratio Lower Upper

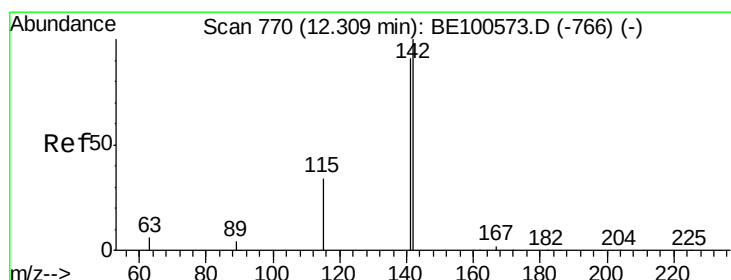
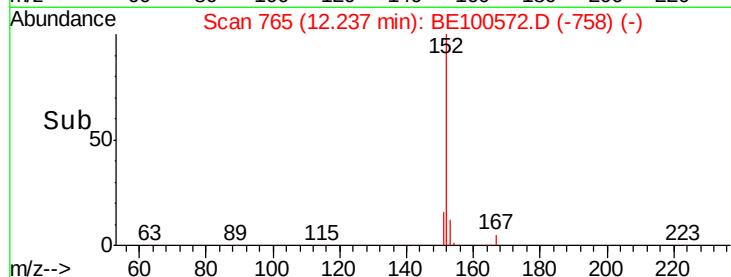
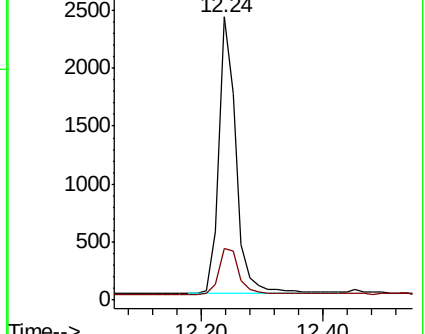
152 100

151 18.8 15.3 22.9



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E



#12

2-Methylnaphthalene

Concen: 0.200 ng

RT: 12.31 min Scan# 770

Delta R.T. -0.00 min

Lab File: BE100572.D

Acq: 27 Sep 2019 14:42

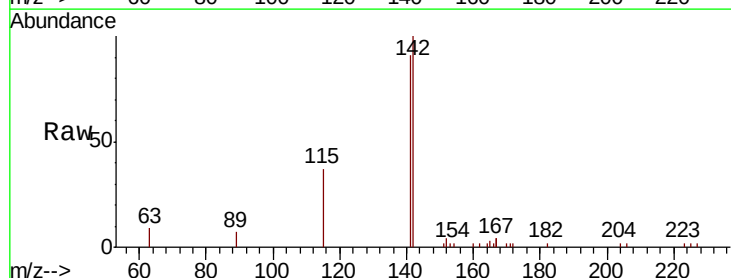
Tgt Ion:142 Resp: 5232

Ion Ratio Lower Upper

142 100

141 91.1 73.2 109.8

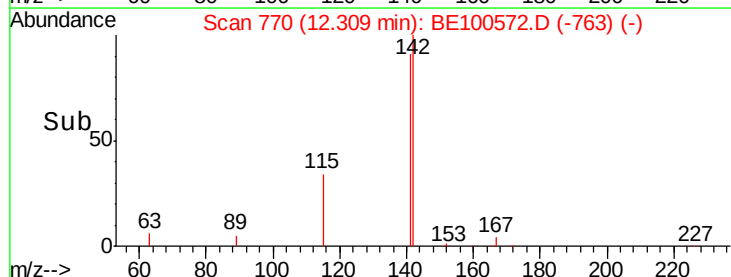
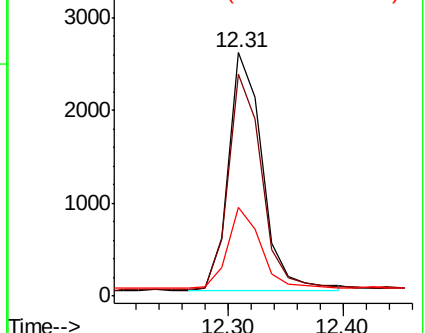
115 36.5 28.2 42.2

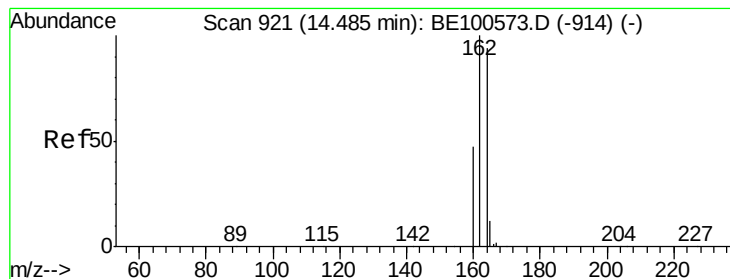


Abundance Ion 142.00 (141.70 to 142.70): E

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: 14.48 min Scan# 921

Delta R.T. -0.00 min

Lab File: BE100572.D

Acq: 27 Sep 2019 14:42

Instrument :

BNA_E

ClientSampleId :

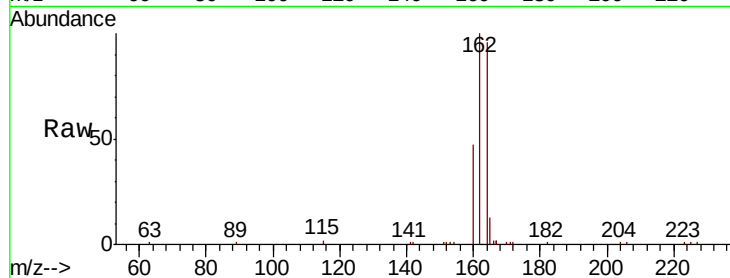
Tot Ion:164 Resp: 9845

Ion Ratio Lower Upper

164 100

162 104.0 85.0 127.4

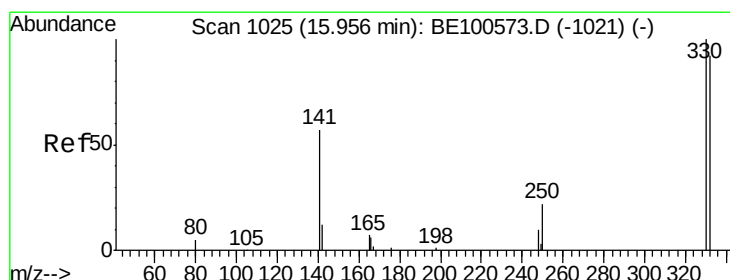
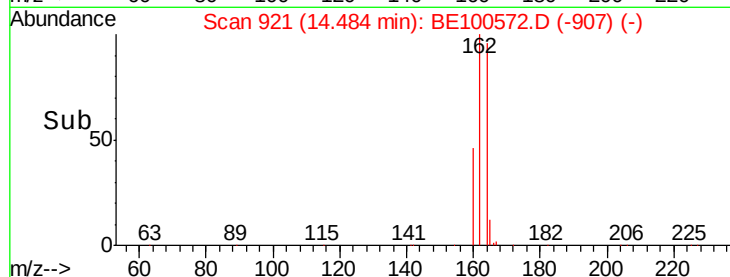
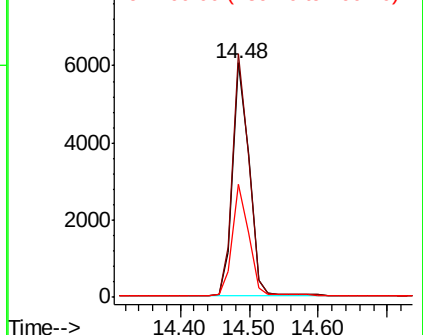
160 48.5 40.2 60.4



Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E



#14

2,4,6-Tribromophenol

Concen: 0.317 ng

RT: 15.97 min Scan# 1026

Delta R.T. 0.01 min

Lab File: BE100572.D

Acq: 27 Sep 2019 14:42

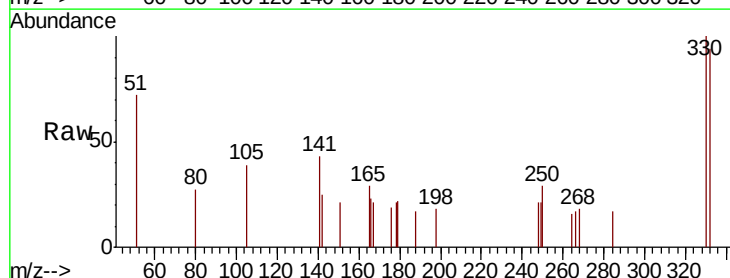
Tgt Ion:330 Resp: 504

Ion Ratio Lower Upper

330 100

332 90.9 78.1 117.1

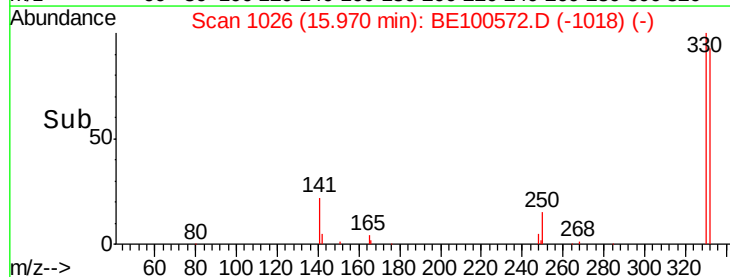
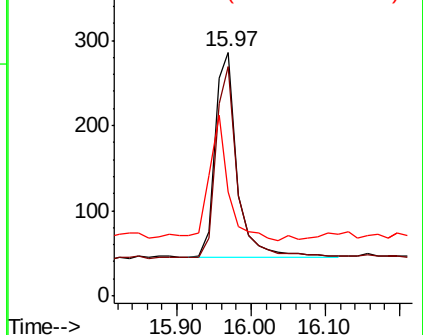
141 52.2 42.1 63.1

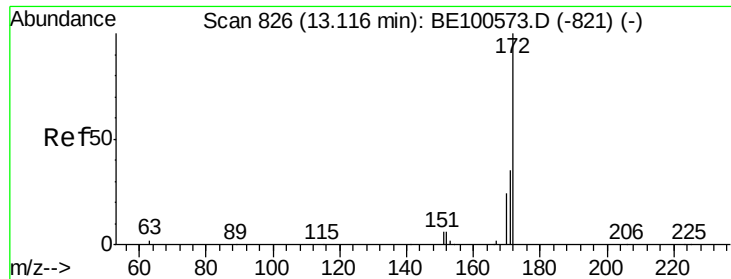


Abundance Ion 330.00 (329.70 to 330.70): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

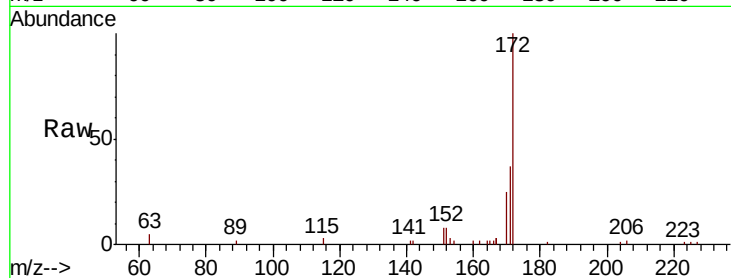




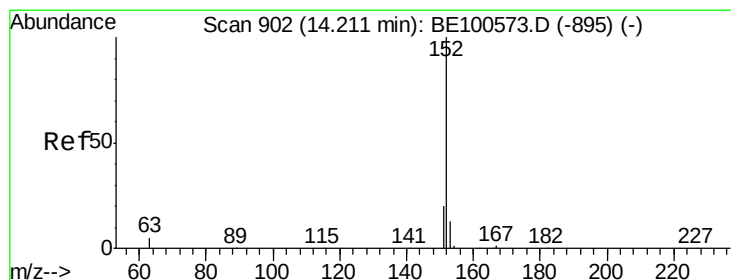
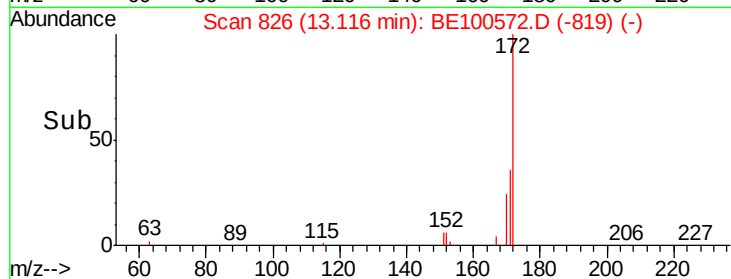
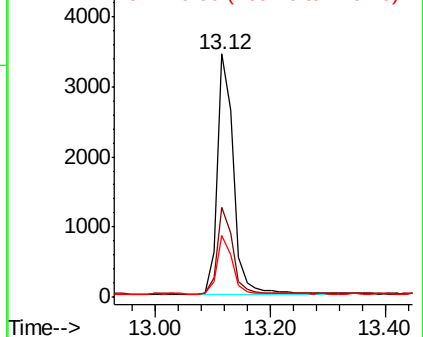
#15
2-Fluorobiphenyl
Concen: 0.188 ng
RT: 13.12 min Scan# 826
Delta R.T. -0.00 min
Lab File: BE100572.D
Acq: 27 Sep 2019 14:42

Instrument :
BNA_E
ClientSampleId :

Tot Ion:172 Resp: 6623
Ion Ratio Lower Upper
172 100
171 36.9 28.2 42.2
170 25.2 19.2 28.8

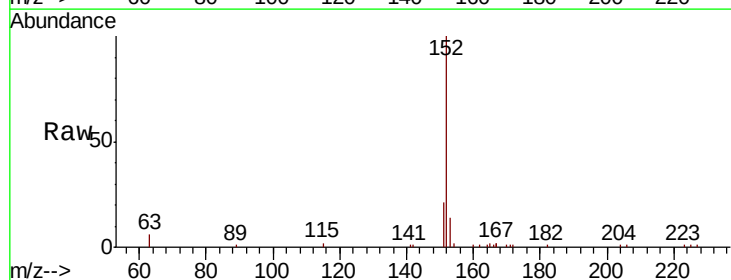


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

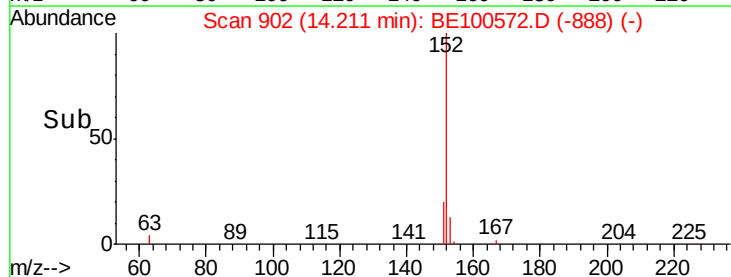
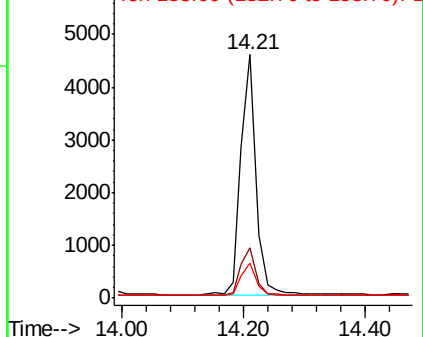


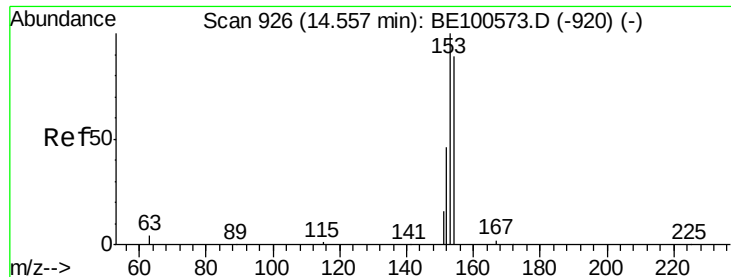
#16
Acenaphthylene
Concen: 0.196 ng
RT: 14.21 min Scan# 902
Delta R.T. -0.00 min
Lab File: BE100572.D
Acq: 27 Sep 2019 14:42

Tgt Ion:152 Resp: 7953
Ion Ratio Lower Upper
152 100
151 20.1 15.8 23.8
153 13.2 10.6 16.0



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

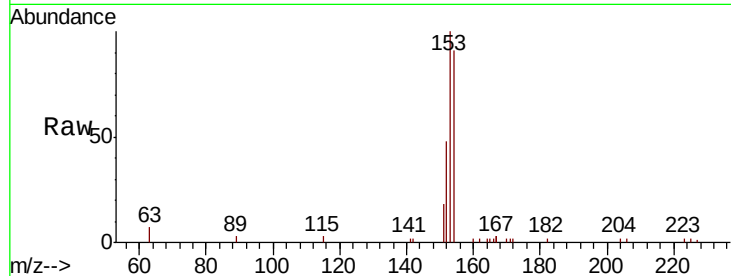




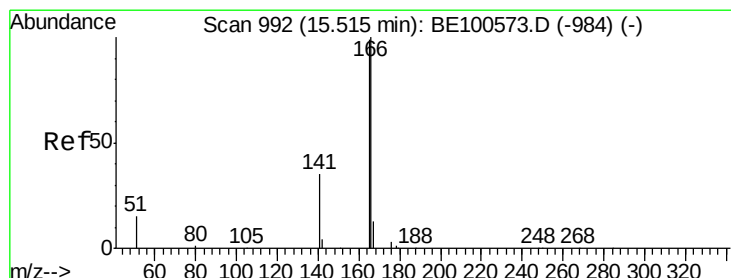
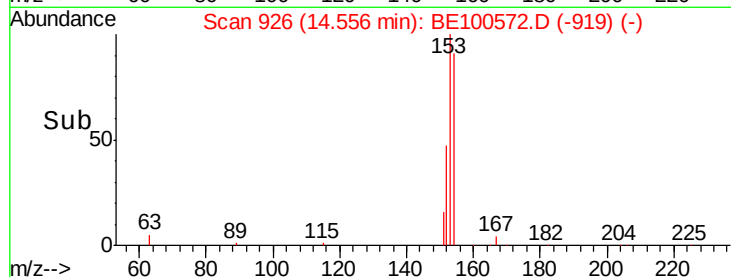
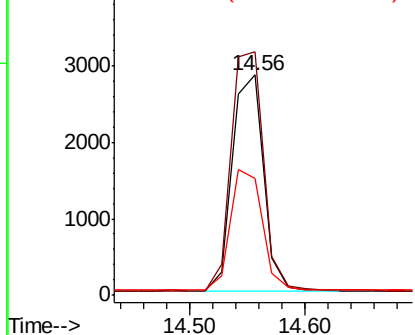
#17
Acenaphthene
Concen: 0.193 ng
RT: 14.56 min Scan# 926
Delta R.T. -0.00 min
Lab File: BE100572.D
Acq: 27 Sep 2019 14:42

Instrument :
BNA_E
ClientSampleId :

Tot Ion:154 Resp: 5287
Ion Ratio Lower Upper
154 100
153 116.2 92.7 139.1
152 57.5 45.6 68.4

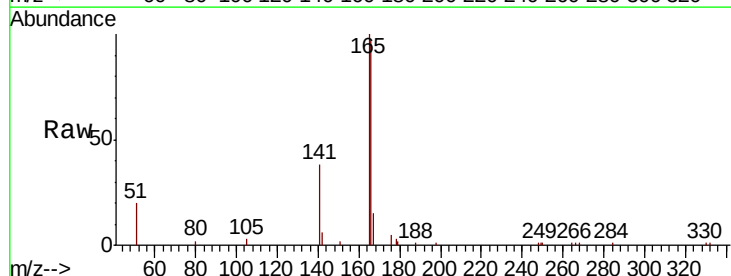


Abundance Ion 154.00 (153.70 to 154.70): E
Ion 153.00 (152.70 to 153.70): E
Ion 152.00 (151.70 to 152.70): E

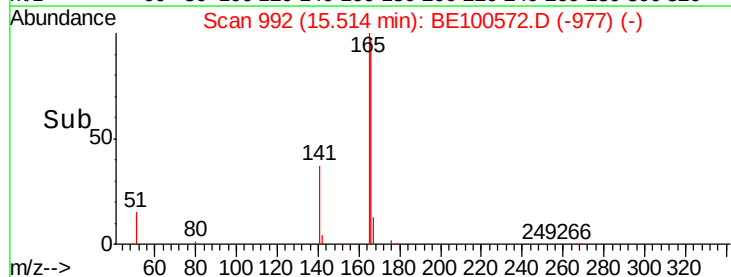
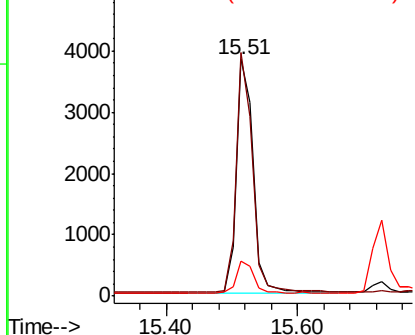


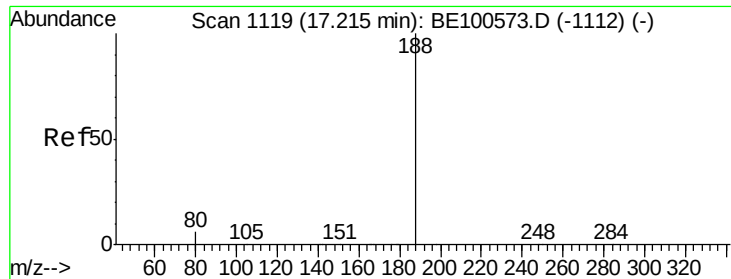
#18
Fluorene
Concen: 0.201 ng
RT: 15.51 min Scan# 992
Delta R.T. -0.00 min
Lab File: BE100572.D
Acq: 27 Sep 2019 14:42

Tgt Ion:166 Resp: 6871
Ion Ratio Lower Upper
166 100
165 99.2 78.0 117.0
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: 17.21 min Scan# 1119

Delta R.T. -0.00 min

Lab File: BE100572.D

Acq: 27 Sep 2019 14:42

Instrument :

BNA_E

ClientSampleId :

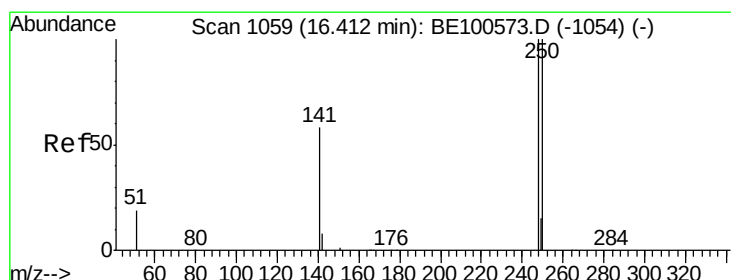
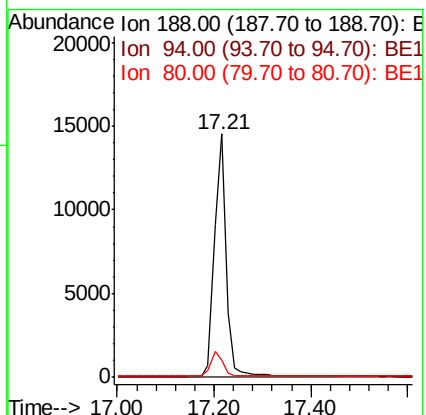
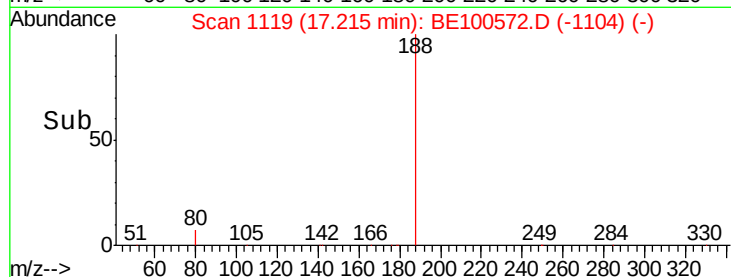
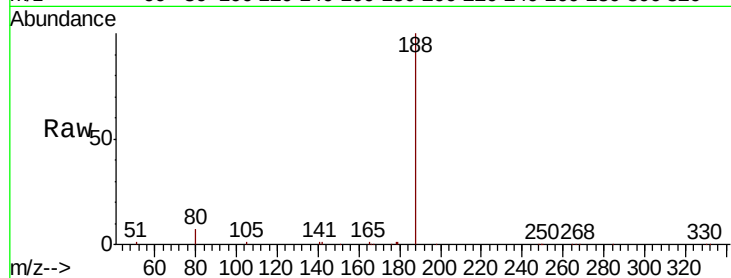
Tot Ion:188 Resp: 23949

Ion Ratio Lower Upper

188 100

94 0.0 0.0 0.0

80 7.1 5.6 8.4



#20

4-Bromophenyl-phenylether

Concen: 0.188 ng

RT: 16.41 min Scan# 1059

Delta R.T. -0.00 min

Lab File: BE100572.D

Acq: 27 Sep 2019 14:42

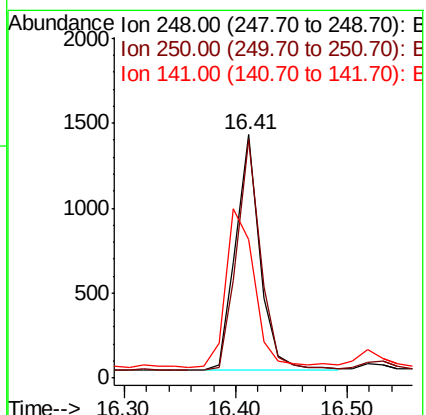
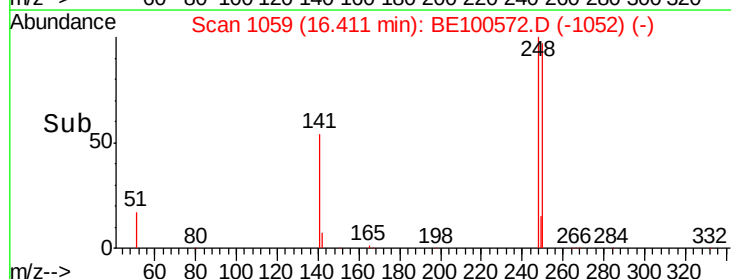
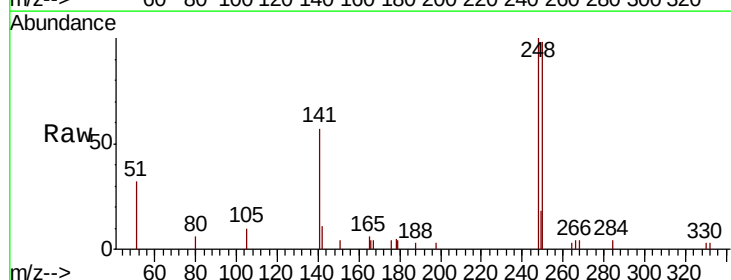
Tgt Ion:248 Resp: 2116

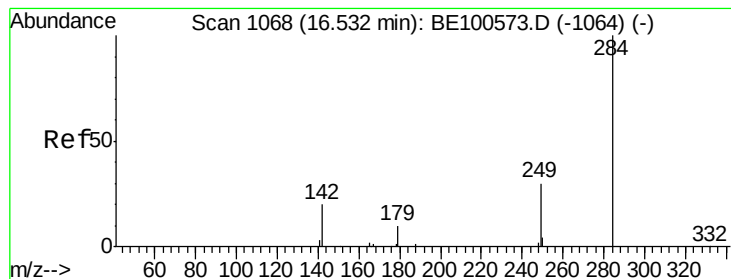
Ion Ratio Lower Upper

248 100

250 97.9 79.9 119.9

141 57.0 47.7 71.5





#21

Hexachlorobenzene

Concen: 0.174 ng

RT: 16.53 min Scan# 1068

Delta R.T. -0.00 min

Lab File: BE100572.D

Acq: 27 Sep 2019 14:42

Instrument :

BNA_E

ClientSampleId :

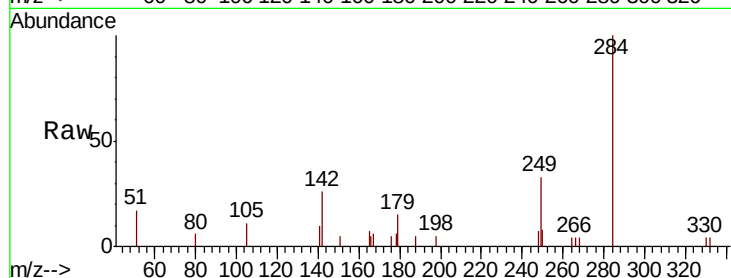
Tot Ion:284 Resp: 1703

Ion Ratio Lower Upper

284 100

142 48.3 37.0 55.4

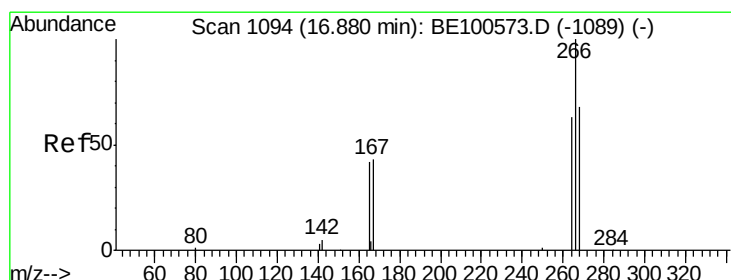
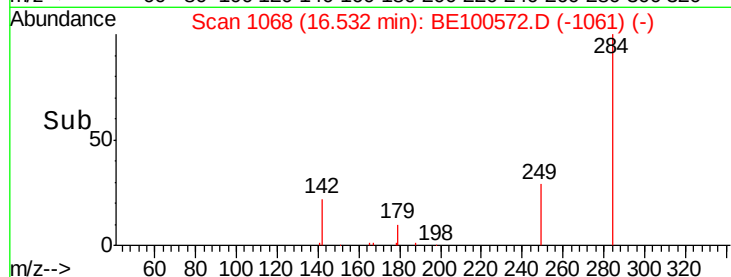
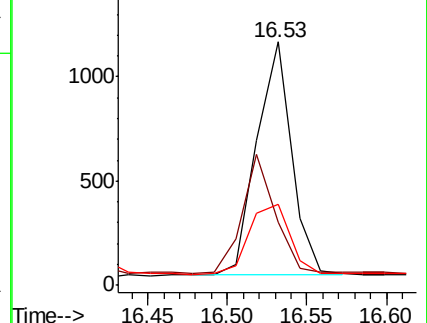
249 34.9 27.0 40.4



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: 0.159 ng

RT: 16.89 min Scan# 1095

Delta R.T. 0.01 min

Lab File: BE100572.D

Acq: 27 Sep 2019 14:42

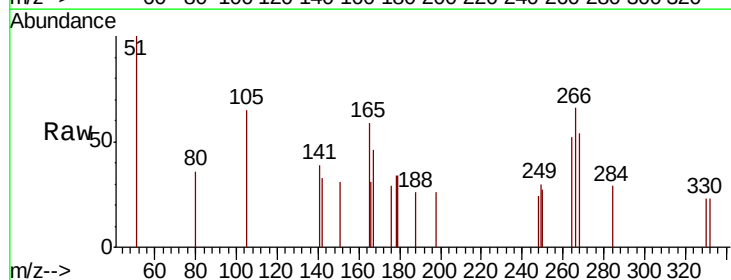
Tgt Ion:266 Resp: 356

Ion Ratio Lower Upper

266 100

264 78.7 53.5 80.3

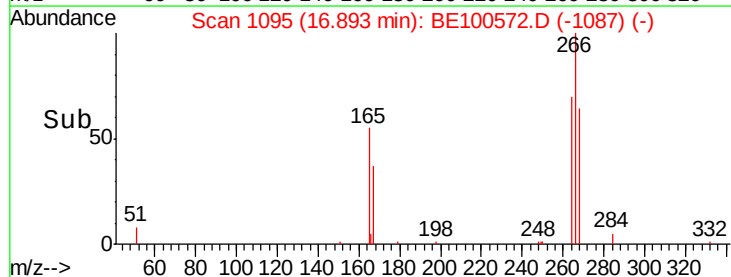
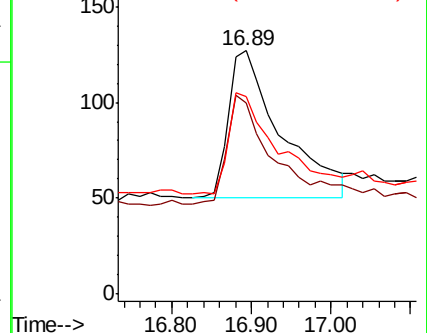
268 81.1 58.3 87.5

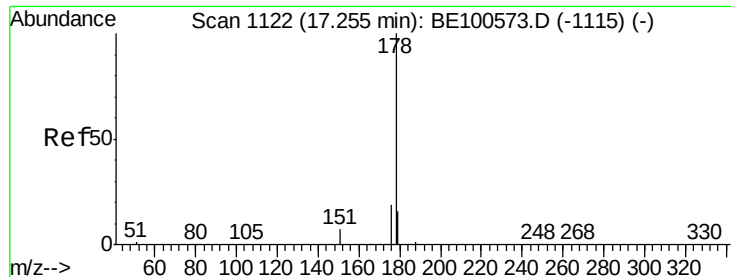


Abundance Ion 266.00 (265.70 to 266.70): E

Ion 264.00 (263.70 to 264.70): E

Ion 268.00 (267.70 to 268.70): E





#23

Phenanthrene

Concen: 0.192 ng

RT: 17.25 min Scan# 1122

Delta R.T. -0.00 min

Lab File: BE100572.D

Acq: 27 Sep 2019 14:42

Instrument :

BNA_E

ClientSampleId :

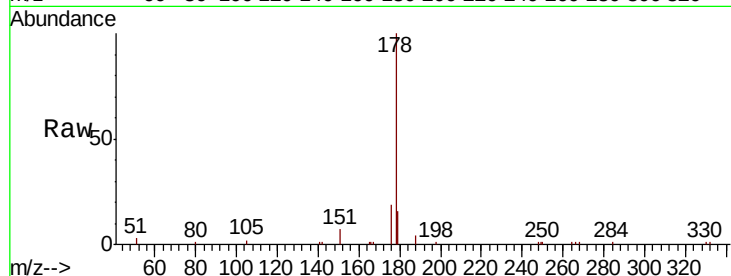
Tot Ion:178 Resp: 12825

Ion Ratio Lower Upper

178 100

176 19.3 15.4 23.0

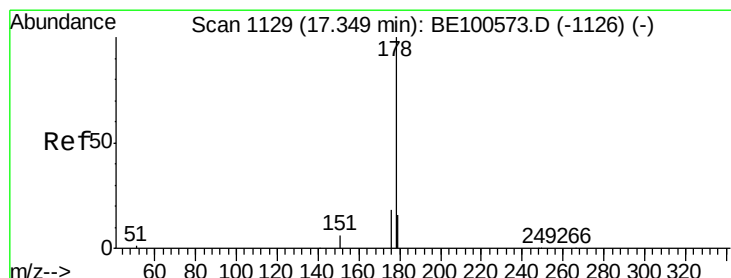
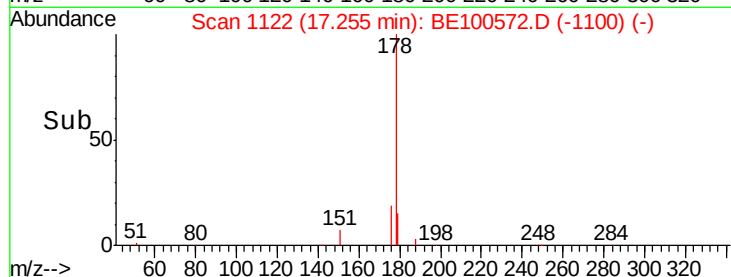
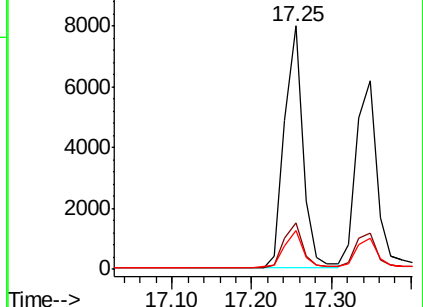
179 15.7 12.4 18.6



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: 0.196 ng

RT: 17.35 min Scan# 1129

Delta R.T. -0.00 min

Lab File: BE100572.D

Acq: 27 Sep 2019 14:42

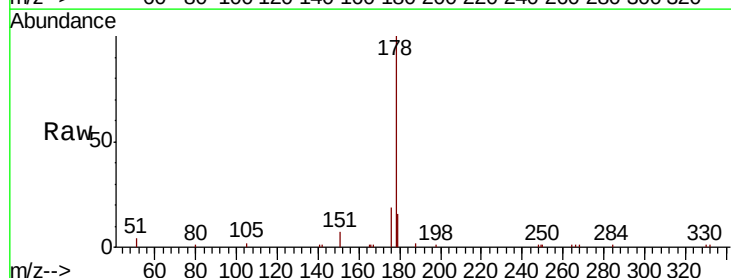
Tgt Ion:178 Resp: 10984

Ion Ratio Lower Upper

178 100

176 18.8 14.9 22.3

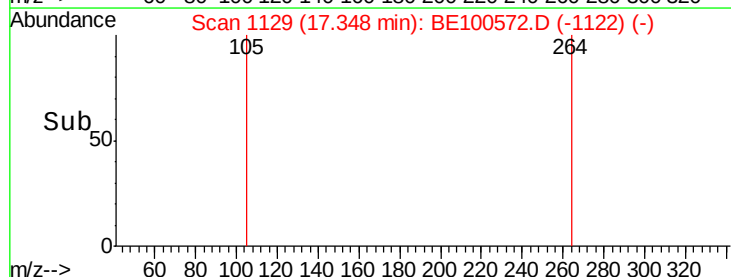
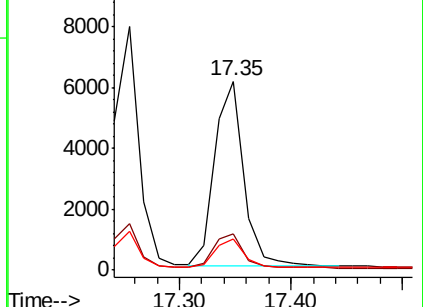
179 15.3 12.3 18.5

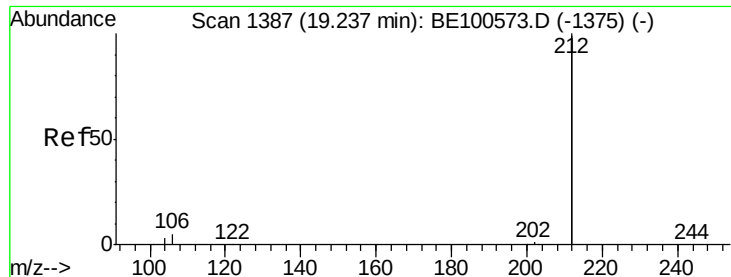


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#25

Fluoranthene-d10

Concen: 0.199 ng

RT: 19.24 min Scan# 1387

Delta R.T. -0.00 min

Lab File: BE100572.D

Acq: 27 Sep 2019 14:42

Instrument :

BNA_E

ClientSampleId :

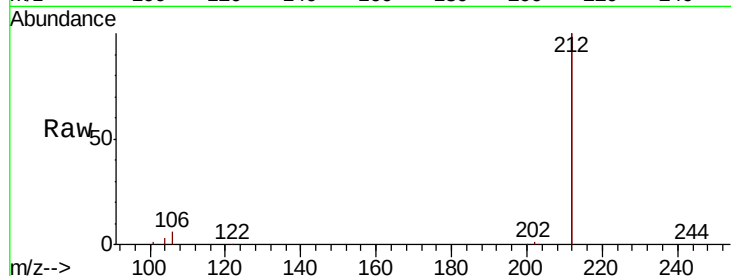
Tot Ion:212 Resp: 56746

Ion Ratio Lower Upper

212 100

106 3.0 2.5 3.7

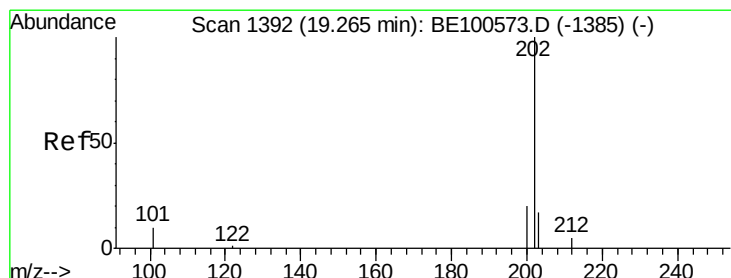
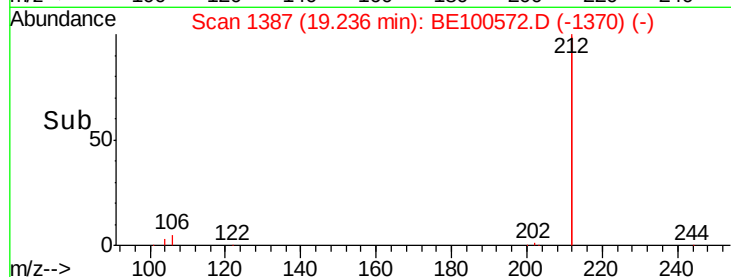
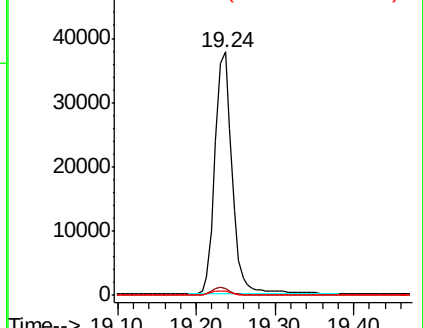
104 1.7 1.4 2.0



Abundance Ion 212.00 (211.70 to 212.70): E

Ion 106.00 (105.70 to 106.70): E

Ion 104.00 (103.70 to 104.70): E



#26

Fluoranthene

Concen: 0.194 ng

RT: 19.27 min Scan# 1392

Delta R.T. -0.00 min

Lab File: BE100572.D

Acq: 27 Sep 2019 14:42

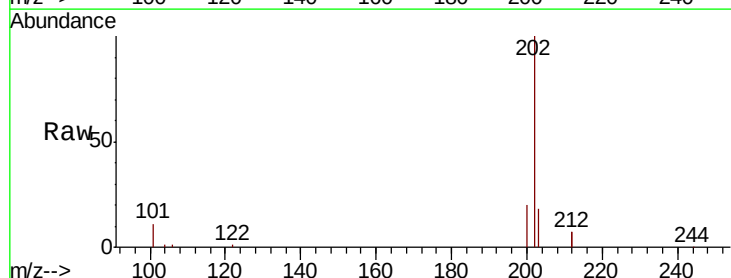
Tgt Ion:202 Resp: 15572

Ion Ratio Lower Upper

202 100

101 11.3 9.0 13.4

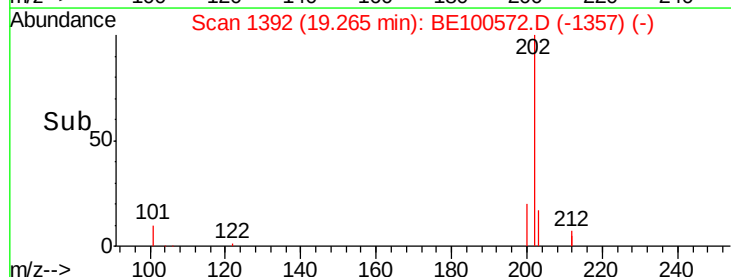
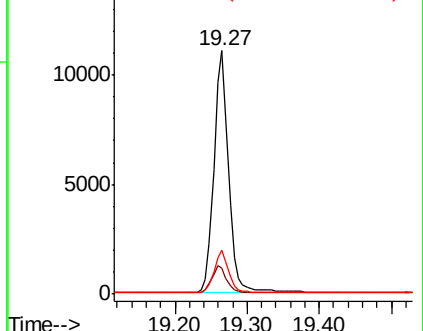
203 17.0 13.6 20.4

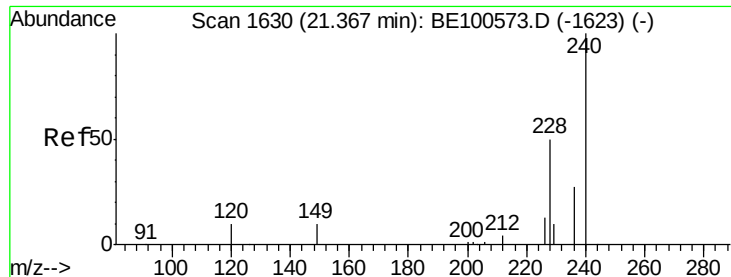


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E

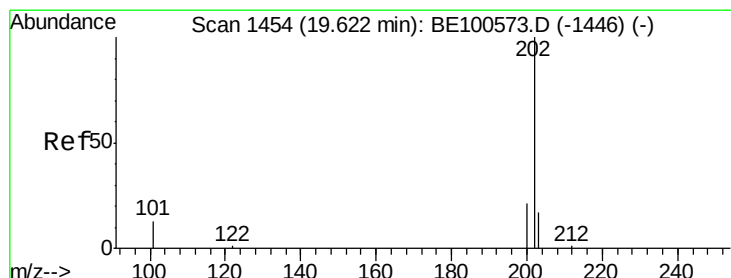
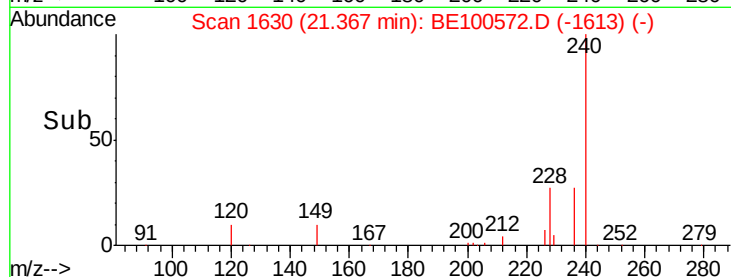
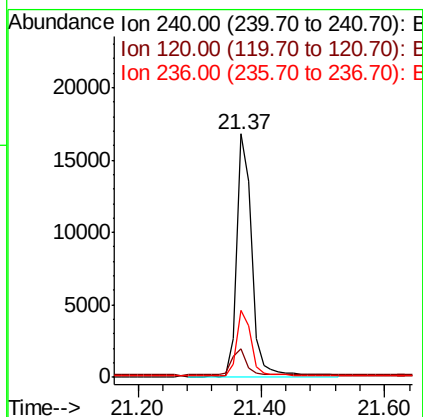
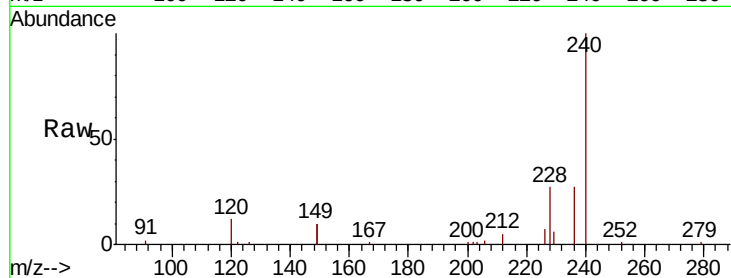




#27
 Chrysene-d12
 Concen: 0.400 ng
 RT: 21.37 min Scan# 1630
 Delta R.T. 0.00 min
 Lab File: BE100572.D
 Acq: 27 Sep 2019 14:42

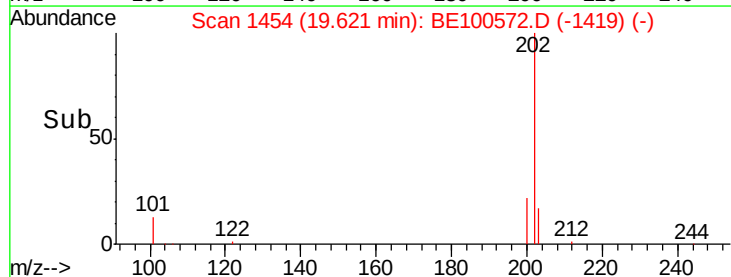
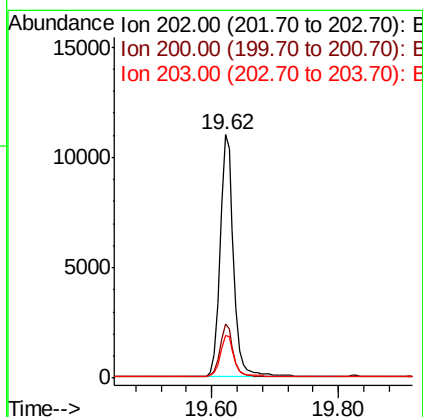
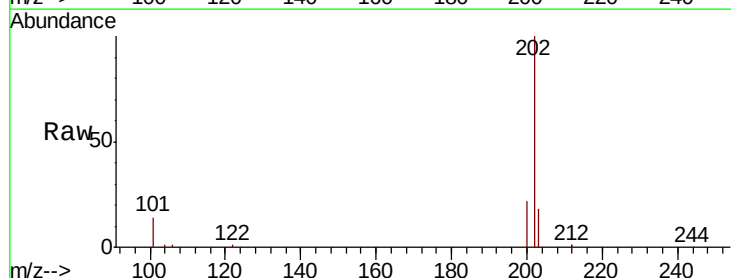
Instrument :
 BNA_E
 ClientSampleId :

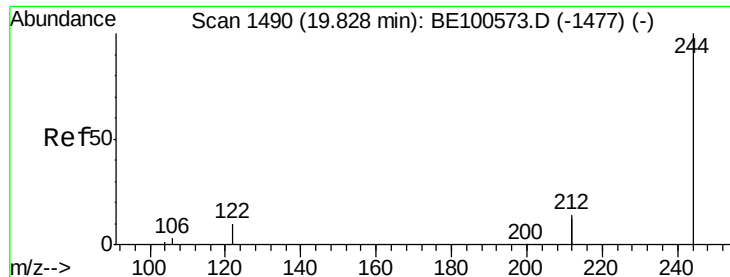
Tot Ion:240 Resp: 27820
 Ion Ratio Lower Upper
 240 100
 120 11.6 8.7 13.1
 236 27.3 21.8 32.8



#28
 Pyrene
 Concen: 0.202 ng
 RT: 19.62 min Scan# 1454
 Delta R.T. -0.00 min
 Lab File: BE100572.D
 Acq: 27 Sep 2019 14:42

Tgt Ion:202 Resp: 16184
 Ion Ratio Lower Upper
 202 100
 200 21.3 16.6 25.0
 203 17.4 14.2 21.2





#29

Terphenyl-d14

Concen: 0.197 ng

RT: 19.83 min Scan# 1490

Delta R.T. -0.00 min

Lab File: BE100572.D

Acq: 27 Sep 2019 14:42

Instrument :

BNA_E

ClientSampleId :

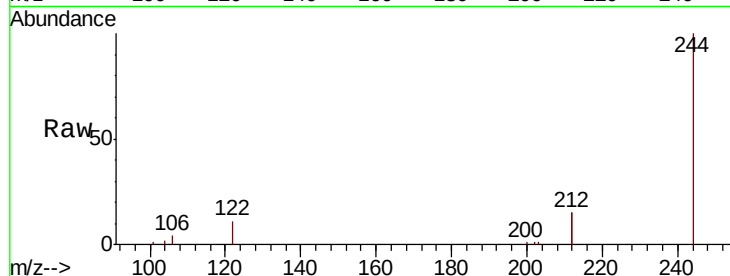
Tot Ion:244 Resp: 12957

Ion Ratio Lower Upper

244 100

212 30.0 21.8 32.8

122 10.7 8.2 12.4

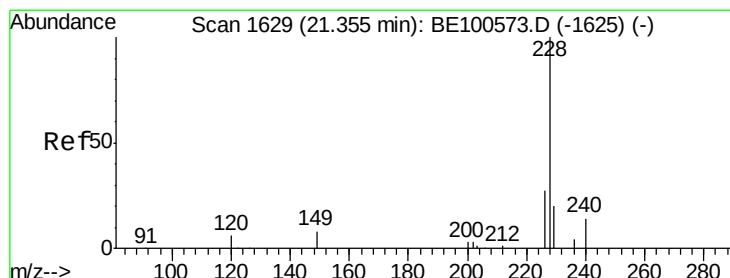
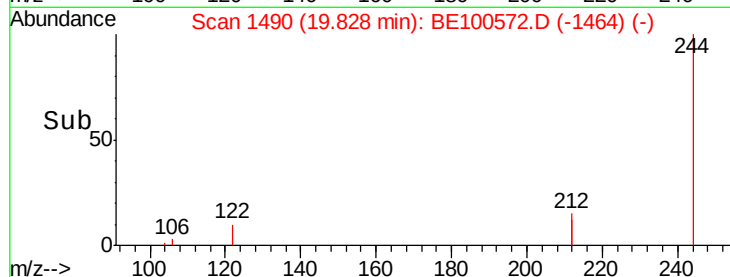
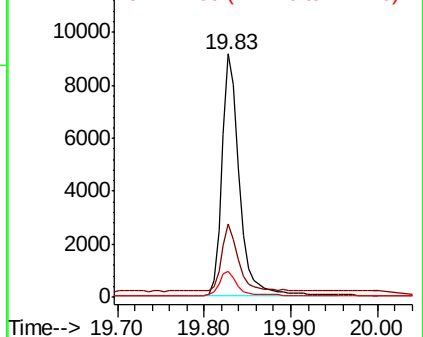


Abundance

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: 0.211 ng

RT: 21.35 min Scan# 1629

Delta R.T. 0.00 min

Lab File: BE100572.D

Acq: 27 Sep 2019 14:42

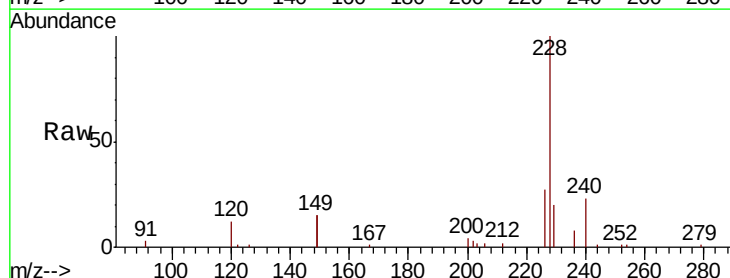
Tgt Ion:228 Resp: 15697

Ion Ratio Lower Upper

228 100

226 27.4 21.7 32.5

229 20.4 16.1 24.1

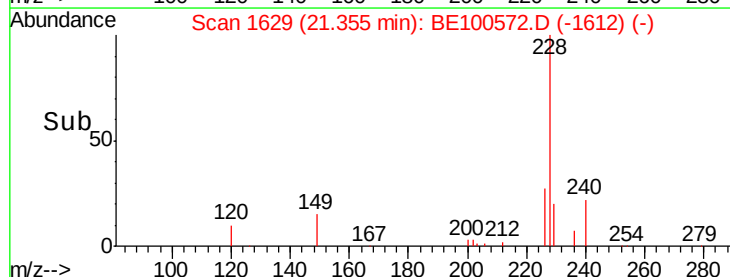
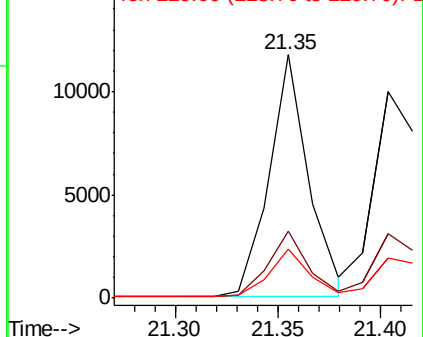


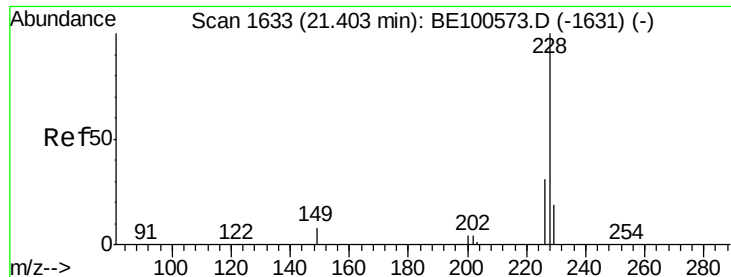
Abundance

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: 0.187 ng

RT: 21.40 min Scan# 1633

Delta R.T. 0.00 min

Lab File: BE100572.D

Acq: 27 Sep 2019 14:42

Instrument :

BNA_E

ClientSampleId :

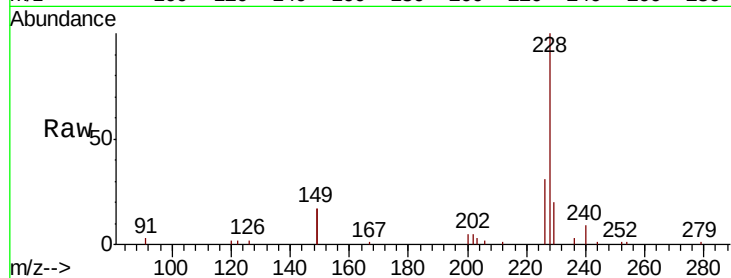
Tot Ion:228 Resp: 15870

Ion Ratio Lower Upper

228 100

226 31.5 24.4 36.6

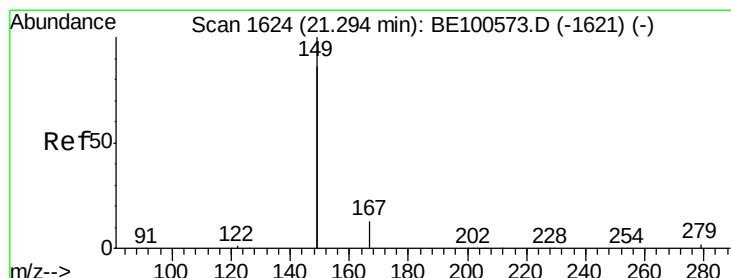
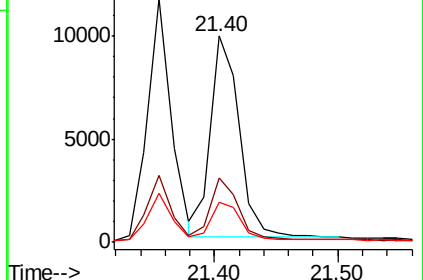
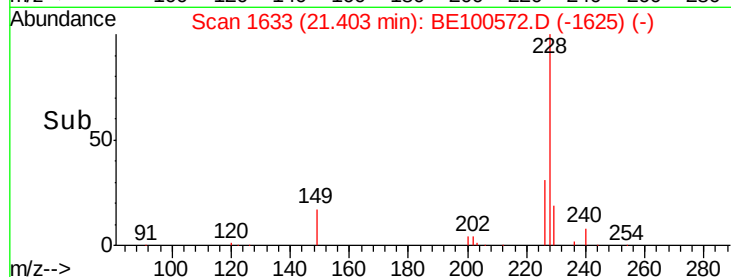
229 19.7 15.6 23.4



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: 0.540 ng

RT: 21.29 min Scan# 1624

Delta R.T. 0.00 min

Lab File: BE100572.D

Acq: 27 Sep 2019 14:42

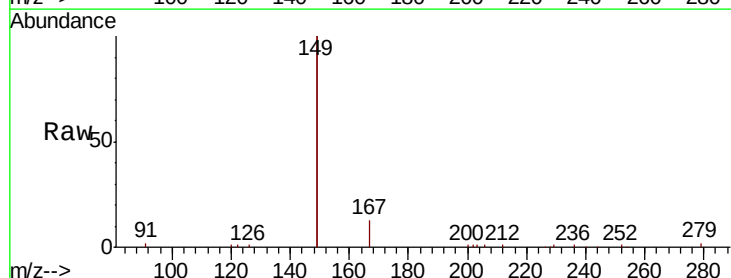
Tgt Ion:149 Resp: 43263

Ion Ratio Lower Upper

149 100

167 6.0 5.0 7.6

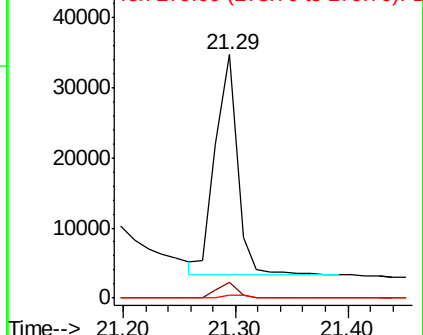
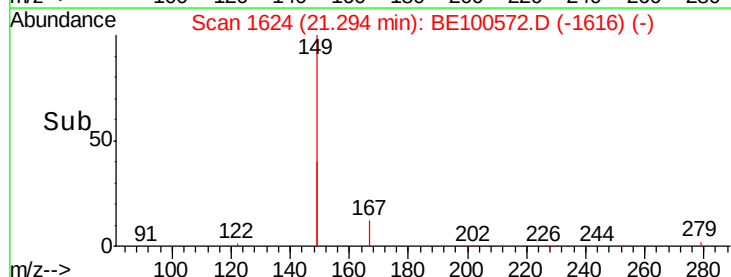
279 1.1 0.8 1.2

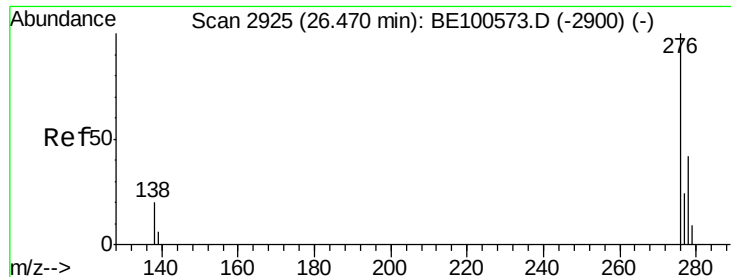


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E

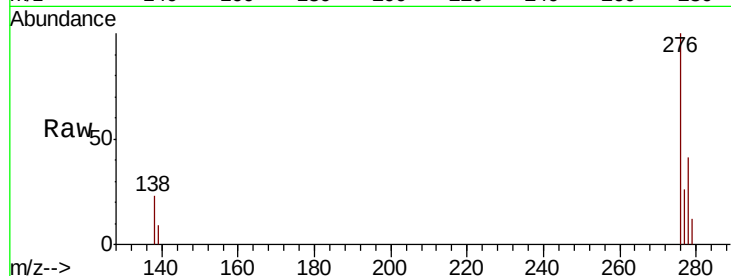




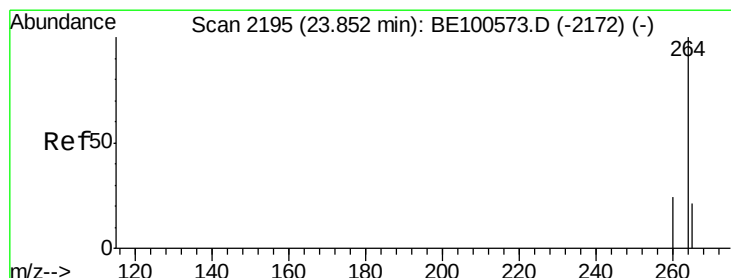
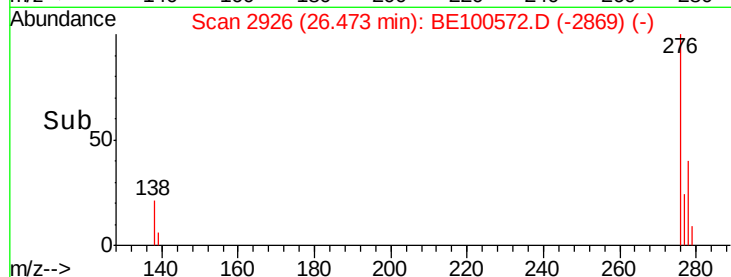
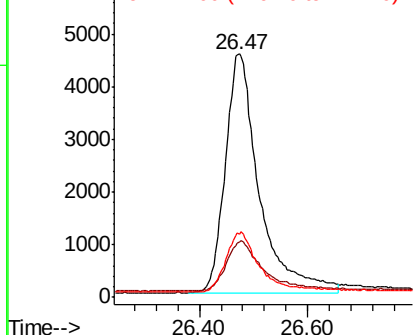
#33
 Indeno(1,2,3-cd)pyrene
 Concen: 0.210 ng
 RT: 26.47 min Scan# 2926
 Delta R.T. 0.00 min
 Lab File: BE100572.D
 Acq: 27 Sep 2019 14:42

Instrument :
 BNA_E
 ClientSampleId :

Tot Ion:276 Resp: 19811
 Ion Ratio Lower Upper
 276 100
 138 22.9 18.6 27.8
 277 25.1 19.4 29.2

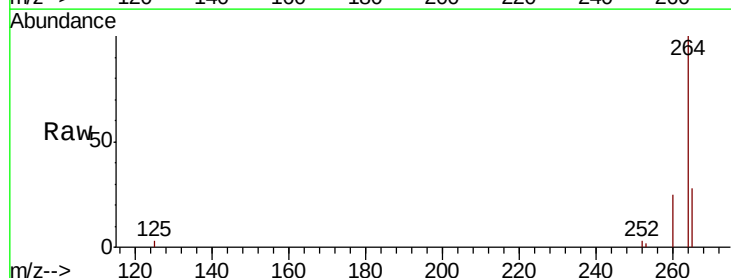


Abundance Ion 276.00 (275.70 to 276.70): E
 Ion 138.00 (137.70 to 138.70): E
 Ion 277.00 (276.70 to 277.70): E

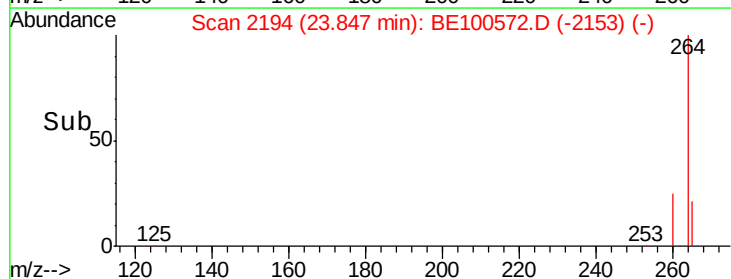
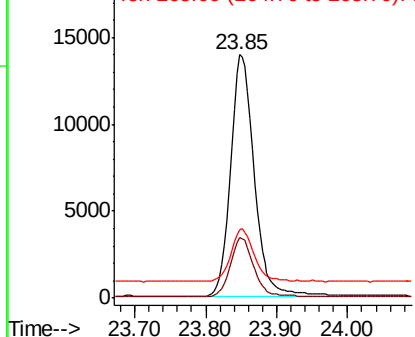


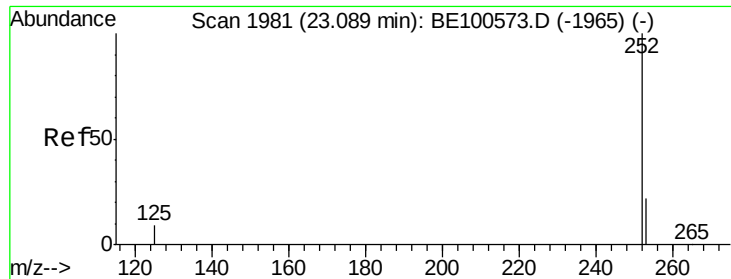
#34
 Perylene-d12
 Concen: 0.400 ng
 RT: 23.85 min Scan# 2194
 Delta R.T. -0.00 min
 Lab File: BE100572.D
 Acq: 27 Sep 2019 14:42

Tgt Ion:264 Resp: 32216
 Ion Ratio Lower Upper
 264 100
 260 25.1 19.7 29.5
 265 27.9 22.2 33.4



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: 0.194 ng

RT: 23.09 min Scan# 1982

Delta R.T. 0.00 min

Lab File: BE100572.D

Acq: 27 Sep 2019 14:42

Instrument :

BNA_E

ClientSampleId :

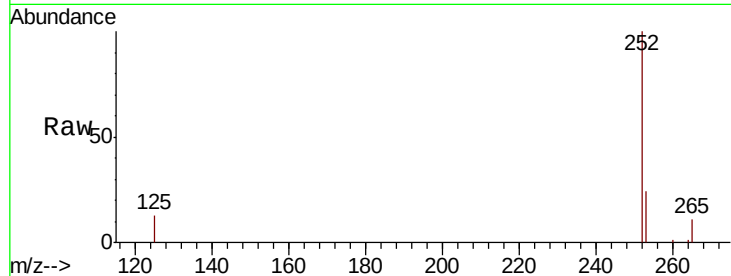
Tot Ion:252 Resp: 16903

Ion Ratio Lower Upper

252 100

253 24.0 18.2 27.2

125 12.8 8.7 13.1

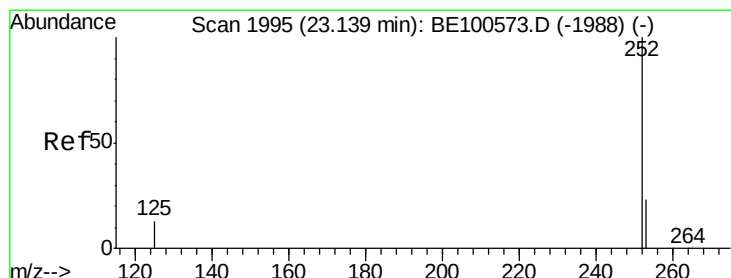
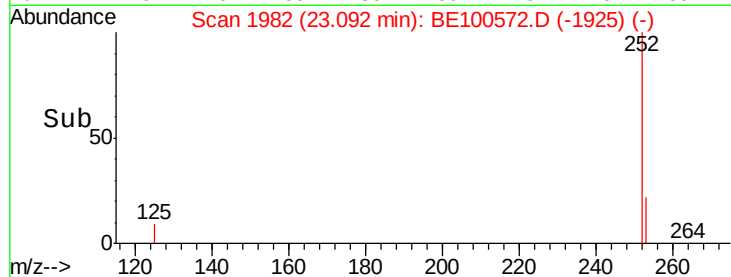
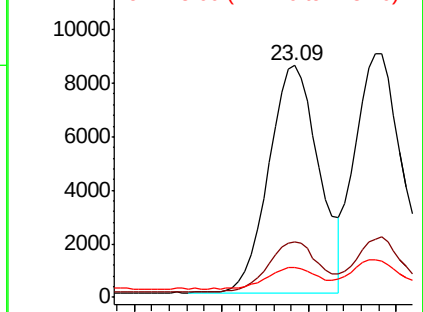


Abundance

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



#36

Benzo(k)fluoranthene

Concen: 0.178 ng

RT: 23.14 min Scan# 1996

Delta R.T. 0.00 min

Lab File: BE100572.D

Acq: 27 Sep 2019 14:42

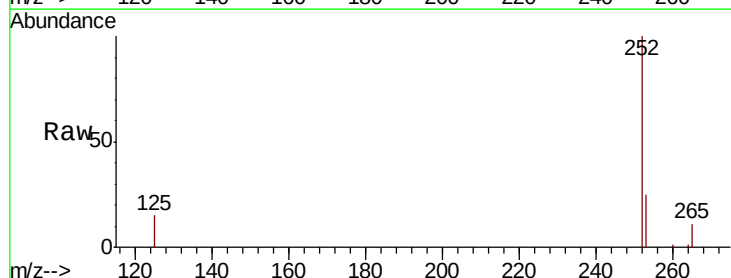
Tgt Ion:252 Resp: 18002

Ion Ratio Lower Upper

252 100

253 25.0 18.6 28.0

125 14.7 11.4 17.2

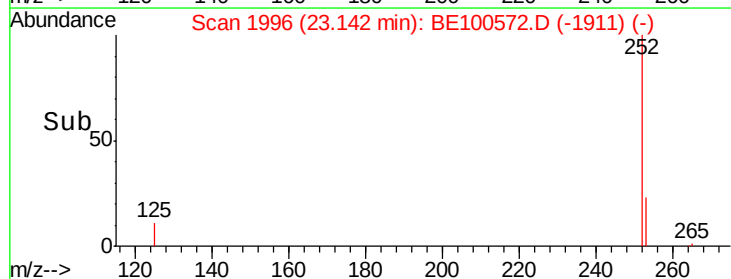
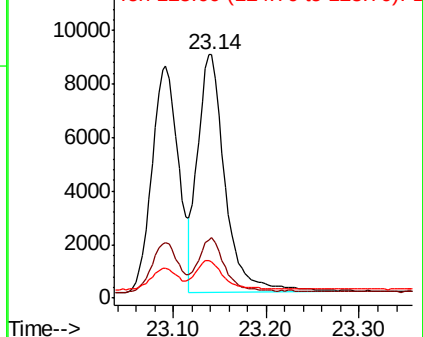


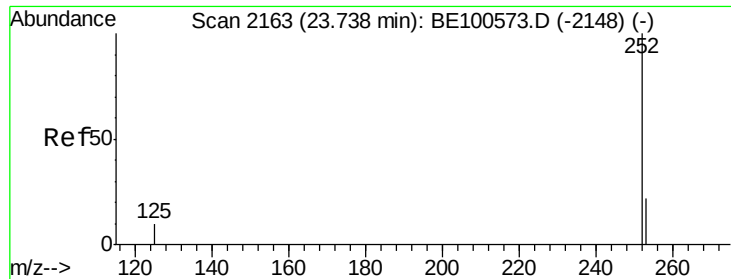
Abundance

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: 0.196 ng

RT: 23.74 min Scan# 2164

Delta R.T. 0.00 min

Lab File: BE100572.D

Acq: 27 Sep 2019 14:42

Instrument :

BNA_E

ClientSampleId :

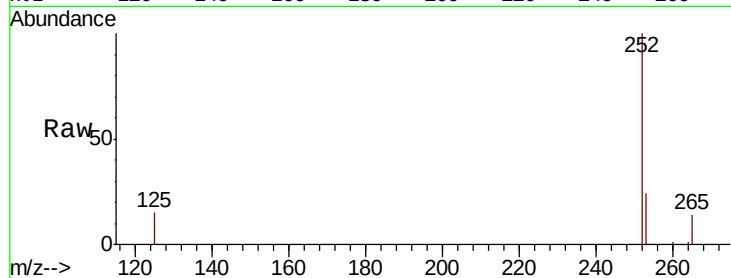
Tot Ion:252 Resp: 15934

Ion Ratio Lower Upper

252 100

253 24.3 18.2 27.4

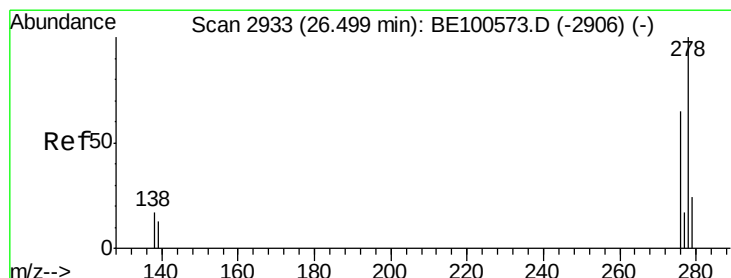
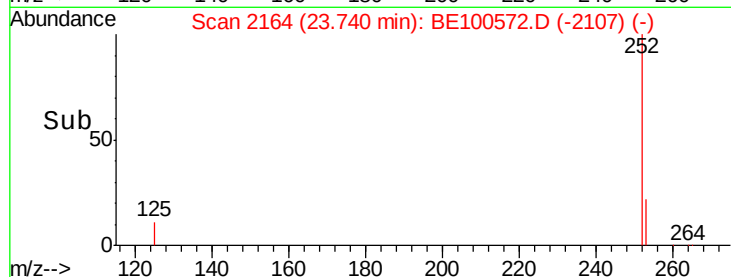
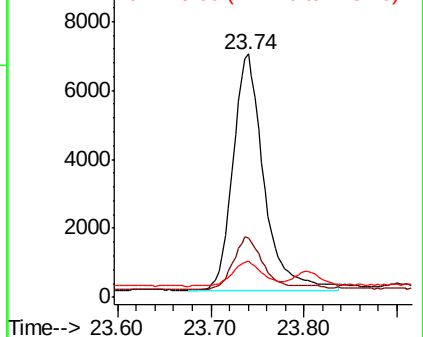
125 14.8 9.8 14.6#



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: 0.185 ng

RT: 26.50 min Scan# 2934

Delta R.T. 0.00 min

Lab File: BE100572.D

Acq: 27 Sep 2019 14:42

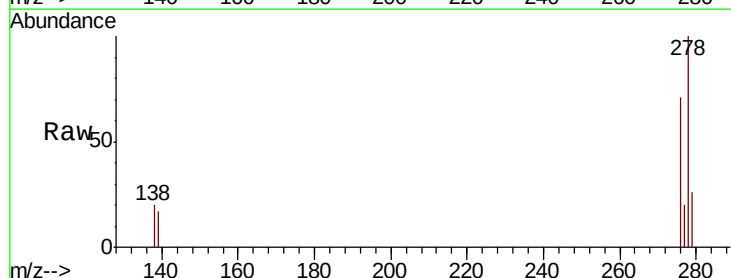
Tgt Ion:278 Resp: 15663

Ion Ratio Lower Upper

278 100

139 17.2 11.7 17.5

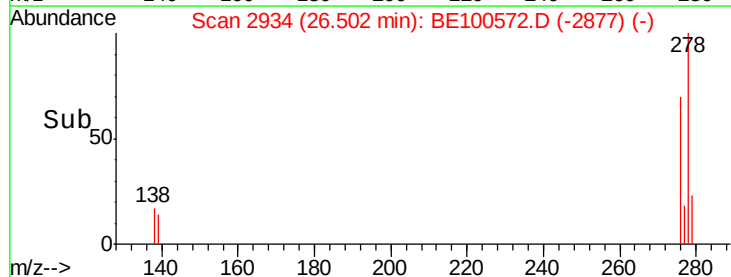
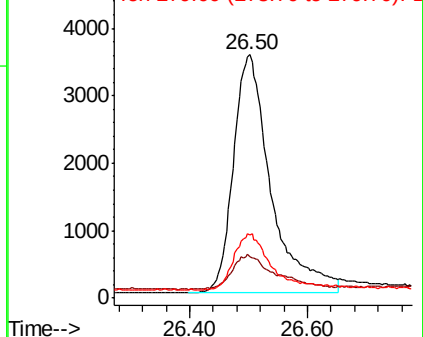
279 26.0 19.9 29.9

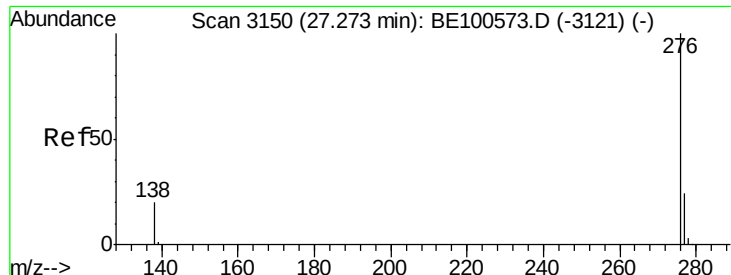


Abundance Ion 278.00 (277.70 to 278.70): E

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: 0.190 ng

RT: 27.27 min Scan# 3150

Delta R.T. -0.00 min

Lab File: BE100572.D

Acq: 27 Sep 2019 14:42

Instrument :

BNA_E

ClientSampleId :

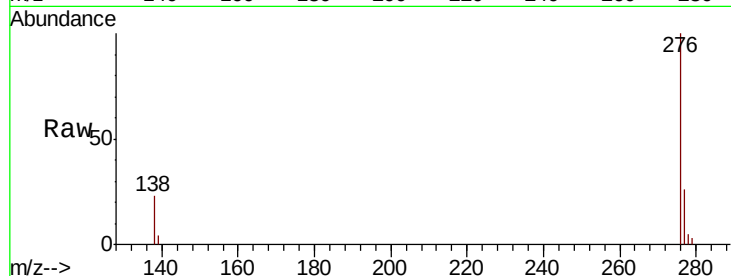
Tot Ion: 276 Resp: 16813

Ion Ratio Lower Upper

276 100

277 26.1 19.7 29.5

138 22.8 17.0 25.4



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

