

Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE121619\
 Data File : BE100937.D
 Acq On : 17 Dec 2019 2:51
 Operator : JU
 Sample : K6239-02MS
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :

Quant Time: Dec 17 06:21:05 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	4475	0.40	ng	0.00
7) Naphthalene-d8	10.54	136	20371	0.40	ng	0.00
13) Acenaphthene-d10	14.38	164	15574	0.40	ng	0.00
19) Phenanthrene-d10	17.12	188	31267	0.40	ng	0.00
27) Chrysene-d12	21.31	240	25432	0.40	ng	0.00
34) Perylene-d12	23.77	264	30883	0.40	ng	0.03

System Monitoring Compounds						
4) 2-Fluorophenol	5.36	112	3693	0.35	ng	-0.01
5) Phenol-d6	6.93	99	5828	0.36	ng	0.00
8) Nitrobenzene-d5	8.90	82	4831	0.50	ng	0.00
11) 2-Methylnaphthalene-d10	12.12	152	11075	0.38	ng	-0.02
14) 2,4,6-Tribromophenol	15.88	330	1314	0.76	ng	0.00
15) 2-Fluorobiphenyl	13.02	172	9525	0.15	ng	0.00
25) Fluoranthene-d10	19.16	212	91032	0.25	ng	0.01
29) Terphenyl-d14	19.76	244	15224	0.25	ng	0.00

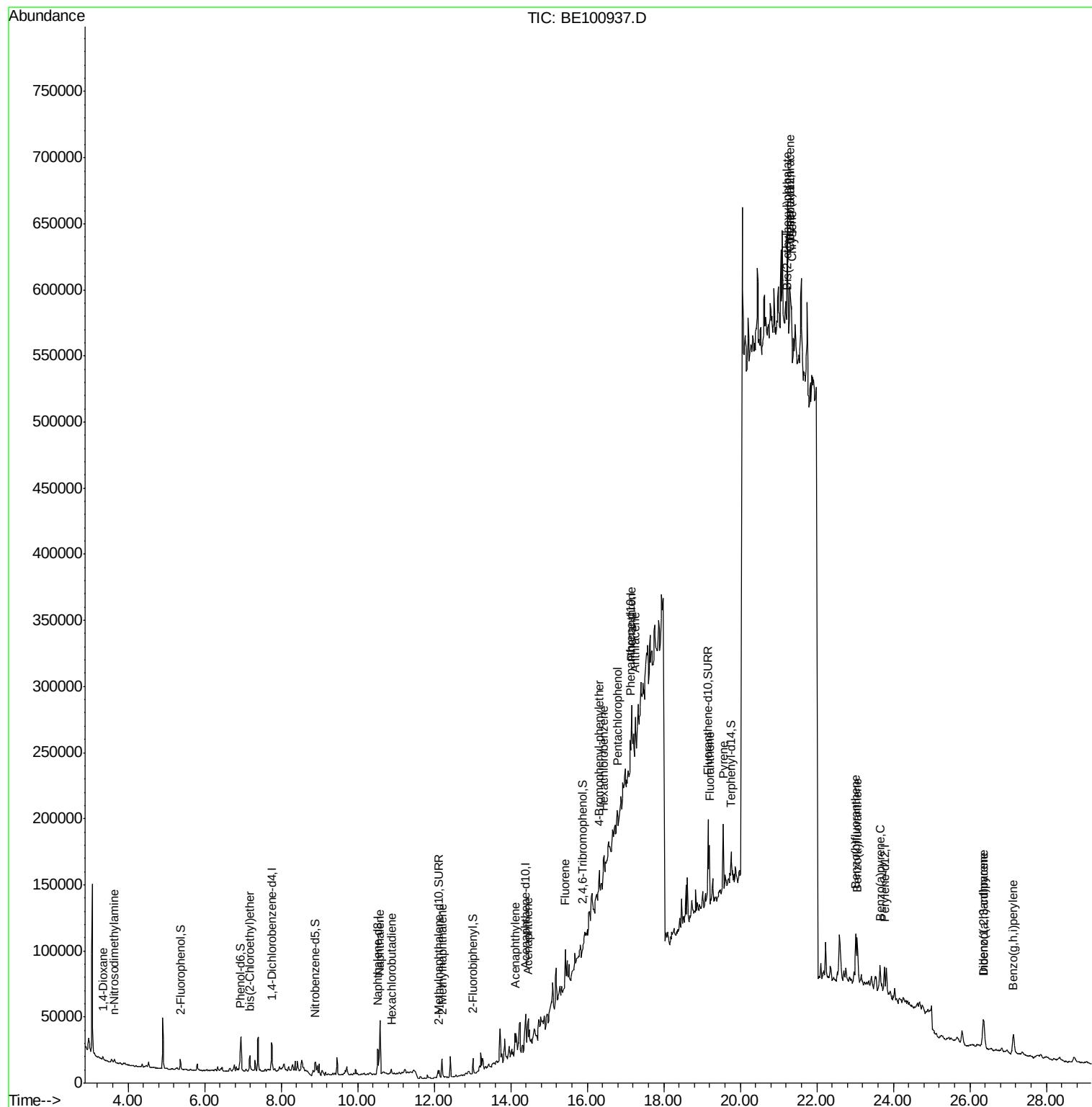
Target Compounds				Qvalue		
2) 1,4-Dioxane	3.34	88	1776	0.218	ng	# 45
3) n-Nitrosodimethylamine	3.64	42	2092	0.315	ng	# 92
6) bis(2-Chloroethyl)ether	7.18	93	4296	0.277	ng	# 89
9) Naphthalene	10.57	128	69453	0.321	ng	100
10) Hexachlorobutadiene	10.89	225	2020	0.239	ng	98
12) 2-Methylnaphthalene	12.21	142	11666	0.345	ng	98
16) Acenaphthylene	14.11	152	28216	0.438	ng	# 61
17) Acenaphthene	14.46	154	10801	0.243	ng	# 91
18) Fluorene	15.42	166	17151	0.300	ng	# 90
20) 4-Bromophenyl-phenylether	16.32	248	5243	0.342	ng	# 1
21) Hexachlorobenzene	16.44	284	3440	0.206	ng	# 1
22) Pentachlorophenol	16.79	266	4751	4.122	ng	# 80
23) Phenanthrene	17.16	178	46012	0.486	ng	# 22
24) Anthracene	17.25	178	25962	0.328	ng	97
26) Fluoranthene	19.19	202	38037	0.337	ng	# 77
28) Pyrene	19.55	202	53653	0.649	ng	# 86
30) Benzo(a)anthracene	21.29	228	34761	0.464	ng	# 12
31) Chrysene	21.34	228	42994	0.488	ng	# 25
32) Bis(2-ethylhexyl)phthalate	21.23	149	140764	1.949	ng	# 86
33) Indeno(1,2,3-cd)pyrene	26.35	276	35739	0.466	ng	# 85
35) Benzo(b)fluoranthene	23.01	252	33262	0.393	ng	# 1
36) Benzo(k)fluoranthene	23.06	252	29232	0.308	ng	# 1
37) Benzo(a)pyrene	23.65	252	32211	0.440	ng	# 1
38) Dibenzo(a,h)anthracene	26.37	278	23178	0.318	ng	# 1
39) Benzo(g,h,i)perylene	27.14	276	36290	0.466	ng	# 45

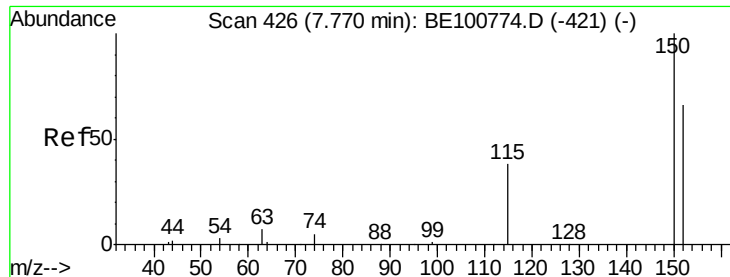
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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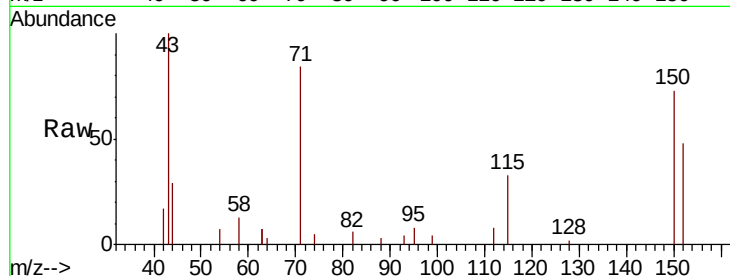


#1

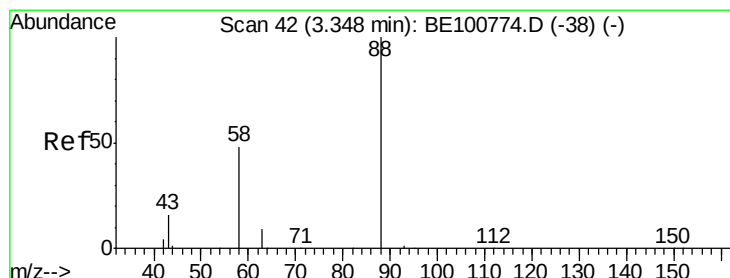
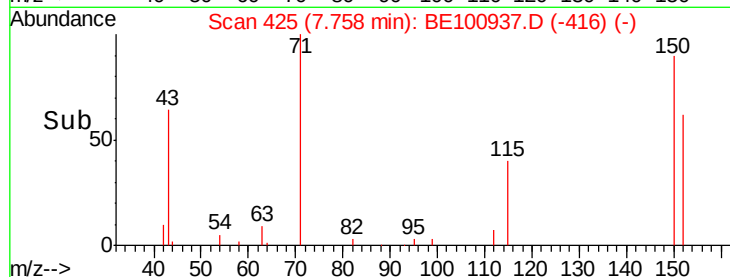
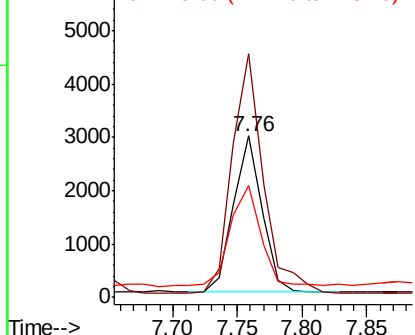
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.76 min Scan# 425
Delta R.T. 0.00 min
Lab File: BE100937.D
Acq: 17 Dec 2019 2:51

Instrument :
BNA_E
ClientSampleId :

Tot Ion:152 Resp: 4475
Ion Ratio Lower Upper
152 100
150 151.0 125.5 188.3
115 69.0 55.7 83.5



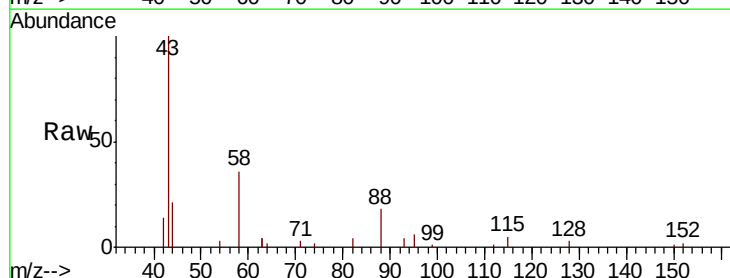
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



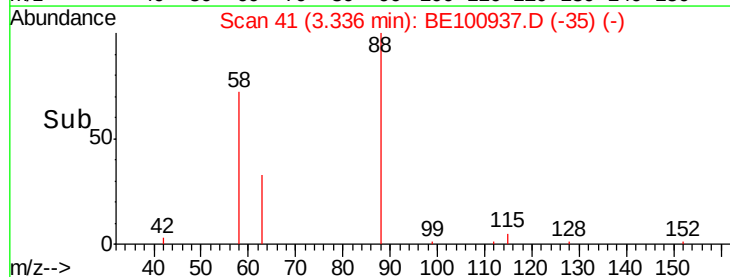
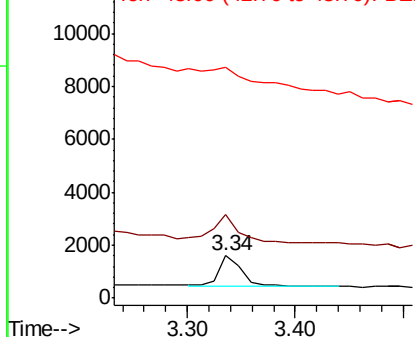
#2

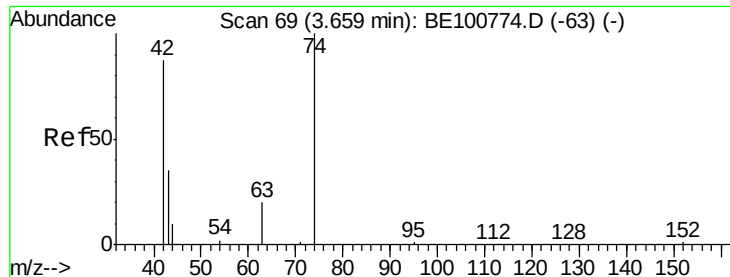
1,4-Dioxane
Concen: 0.218 ng
RT: 3.34 min Scan# 41
Delta R.T. 0.00 min
Lab File: BE100937.D
Acq: 17 Dec 2019 2:51

Tgt Ion: 88 Resp: 1776
Ion Ratio Lower Upper
88 100
58 108.9 52.3 78.5#
43 0.0 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: 0.315 ng

RT: 3.64 min Scan# 67

Delta R.T. -0.01 min

Lab File: BE100937.D

Acq: 17 Dec 2019 2:51

Instrument :

BNA_E

ClientSampleId :

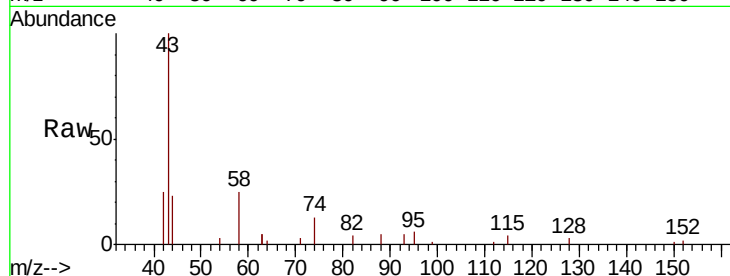
Tot Ion: 42 Resp: 2092

Ion Ratio Lower Upper

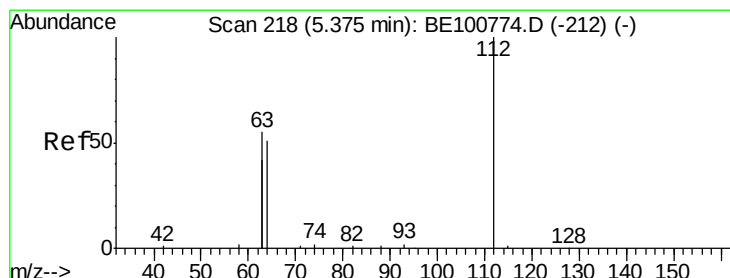
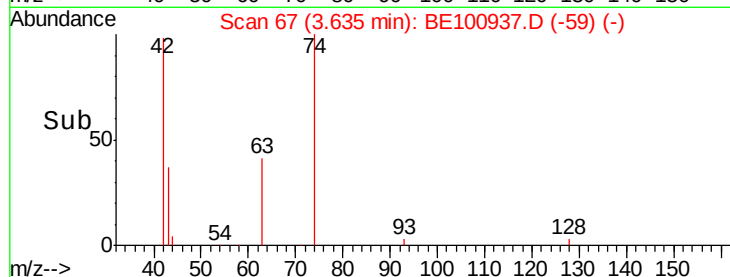
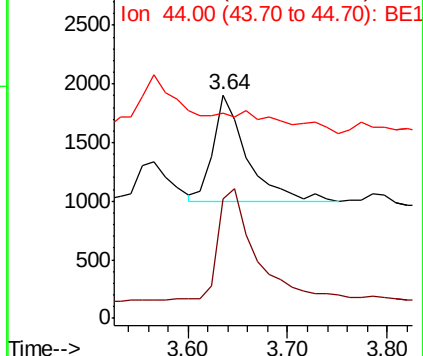
42 100

74 119.4 90.3 135.5

44 0.0 9.0 13.4#



Abundance Ion 42.00 (41.70 to 42.70): BE1
Ion 74.00 (73.70 to 74.70): BE1
Ion 44.00 (43.70 to 44.70): BE1



#4

2-Fluorophenol

Concen: 0.348 ng

RT: 5.36 min Scan# 217

Delta R.T. -0.01 min

Lab File: BE100937.D

Acq: 17 Dec 2019 2:51

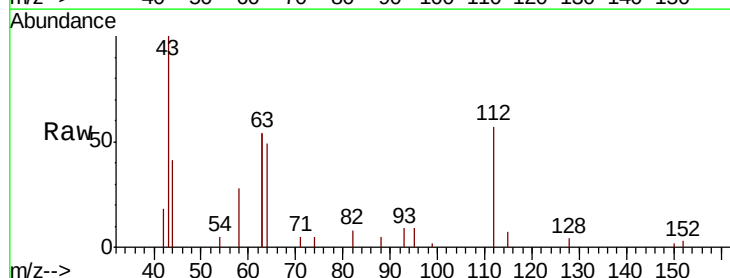
Tgt Ion: 112 Resp: 3693

Ion Ratio Lower Upper

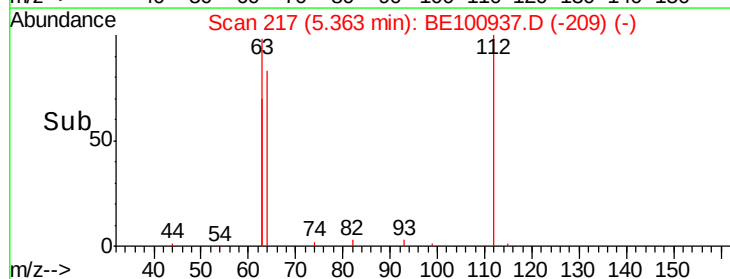
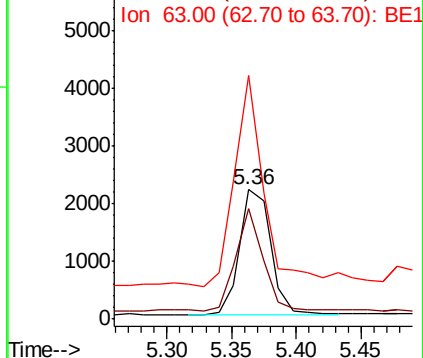
112 100

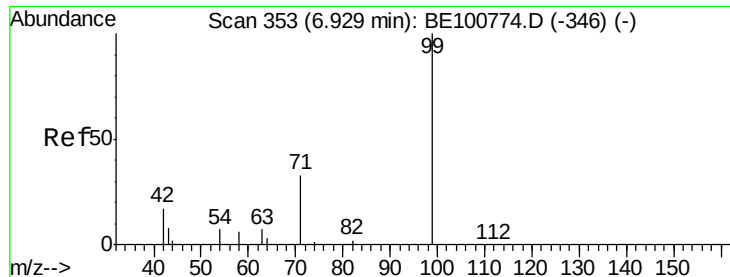
64 67.6 54.5 81.7

63 146.6 116.1 174.1



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: 0.364 ng

RT: 6.93 min Scan# 353

Delta R.T. 0.00 min

Lab File: BE100937.D

Acq: 17 Dec 2019 2:51

Instrument :

BNA_E

ClientSampleId :

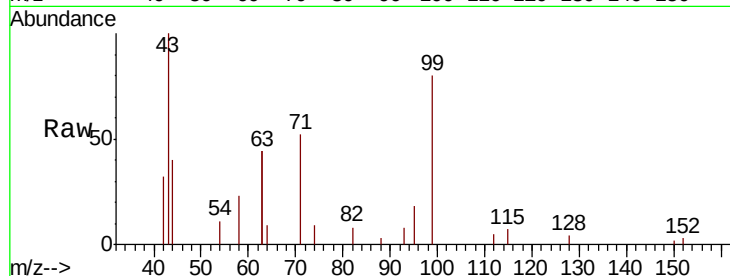
Tot Ion: 99 Resp: 5828

Ion Ratio Lower Upper

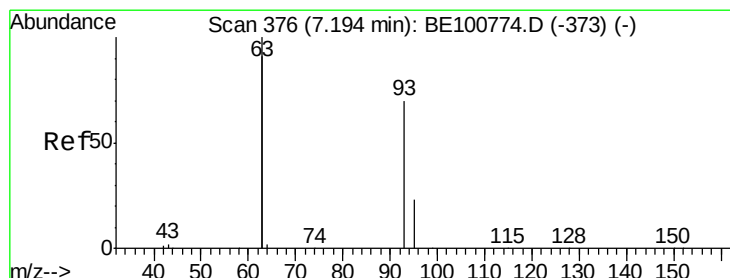
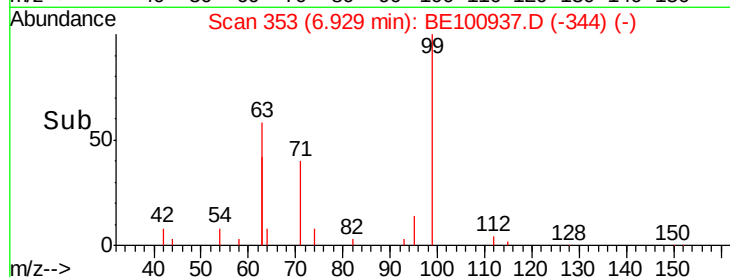
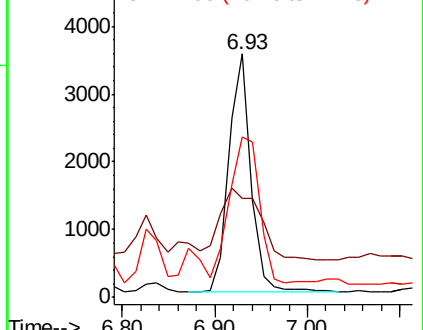
99 100

42 53.1 18.2 27.2#

71 81.4 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: 0.277 ng

RT: 7.18 min Scan# 375

Delta R.T. 0.00 min

Lab File: BE100937.D

Acq: 17 Dec 2019 2:51

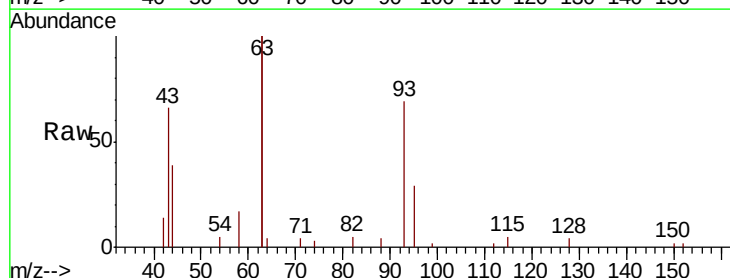
Tgt Ion: 93 Resp: 4296

Ion Ratio Lower Upper

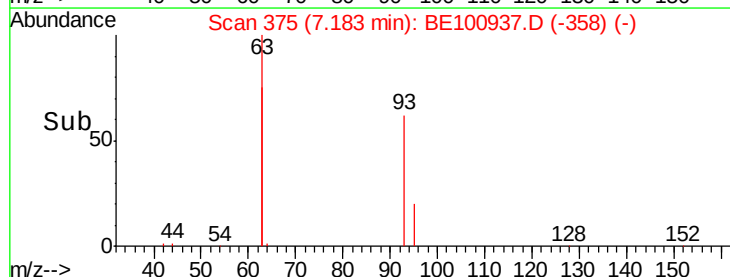
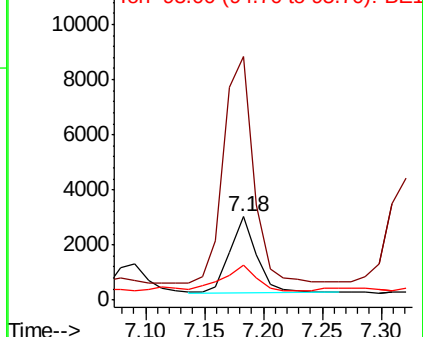
93 100

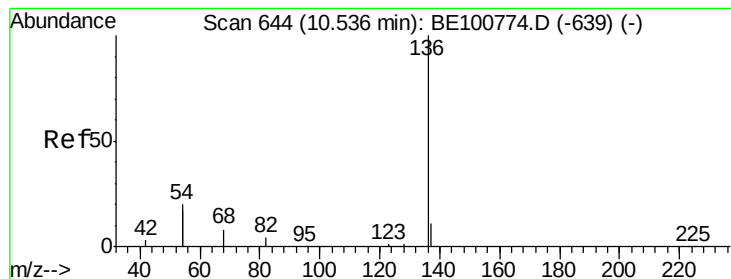
63 339.5 253.9 380.9

95 40.7 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: BE100937.D

Acq: 17 Dec 2019 2:51

Instrument :

BNA_E

ClientSampleId :

Tot Ion:136 Resp: 20371

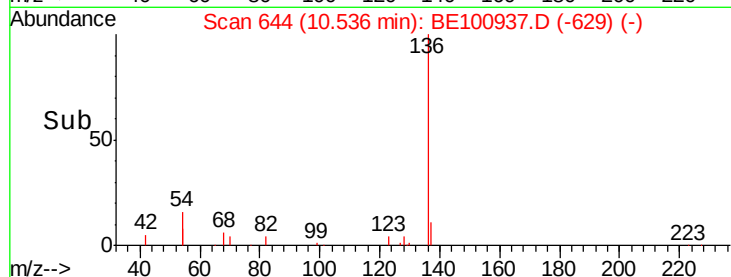
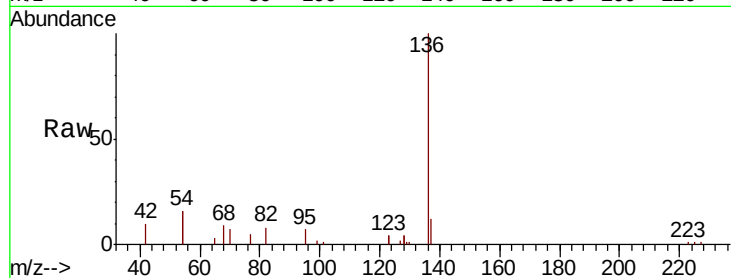
Ion Ratio Lower Upper

136 100

137 12.0 9.1 13.7

54 32.1 18.9 28.3#

68 8.6 4.6 6.8#

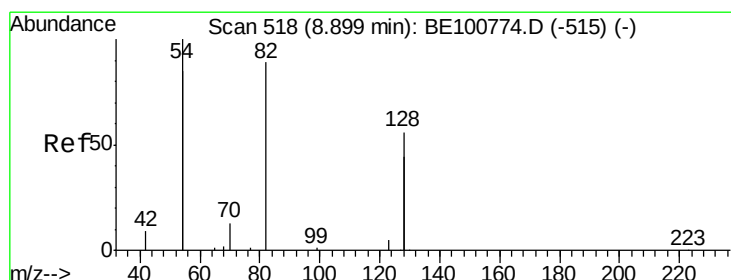
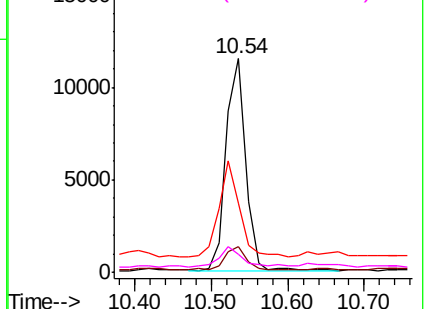


Abundance Ion 136.00 (135.70 to 136.70): E

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: 0.498 ng

RT: 8.90 min Scan# 518

Delta R.T. -0.00 min

Lab File: BE100937.D

Acq: 17 Dec 2019 2:51

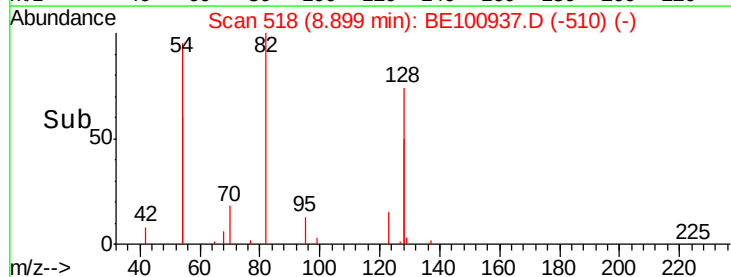
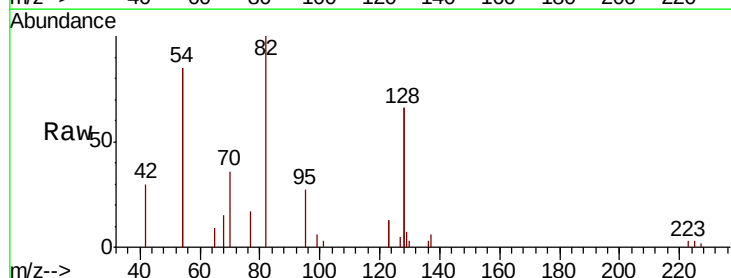
Tgt Ion: 82 Resp: 4831

Ion Ratio Lower Upper

82 100

128 132.4 113.5 170.3

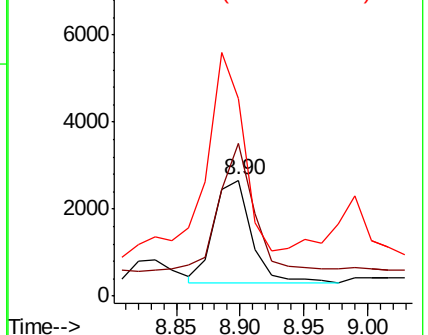
54 170.3 138.9 208.3

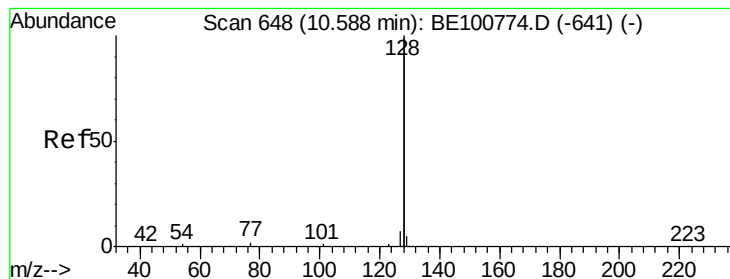


Abundance Ion 82.00 (81.70 to 82.70): BE1

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BE1





#9

Naphthalene

Concen: 0.321 ng

RT: 10.57 min Scan# 647

Delta R.T. -0.00 min

Lab File: BE100937.D

Acq: 17 Dec 2019 2:51

Instrument :

BNA_E

ClientSampleId :

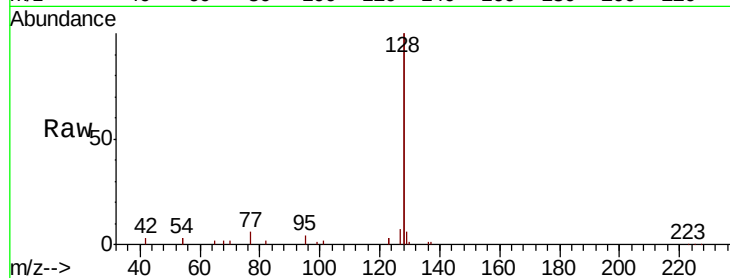
Tot Ion:128 Resp: 69453

Ion Ratio Lower Upper

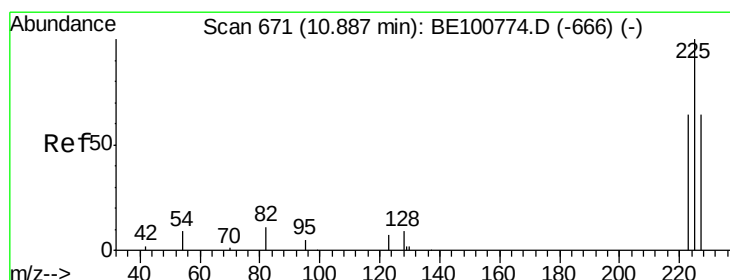
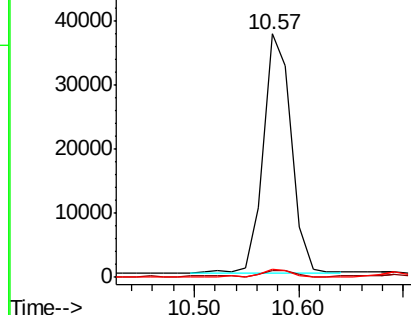
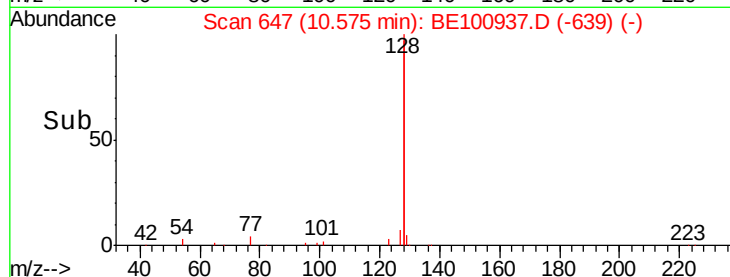
128 100

129 3.0 2.2 3.4

127 3.6 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: 0.239 ng

RT: 10.89 min Scan# 671

Delta R.T. -0.00 min

Lab File: BE100937.D

Acq: 17 Dec 2019 2:51

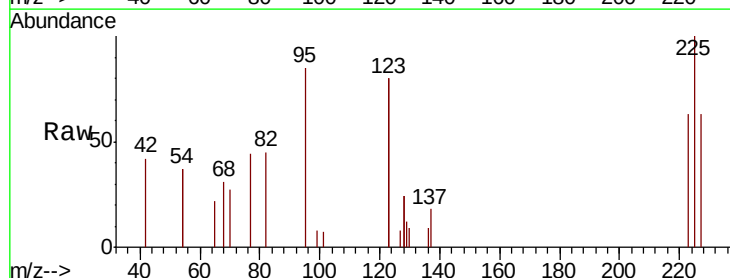
Tgt Ion:225 Resp: 2020

Ion Ratio Lower Upper

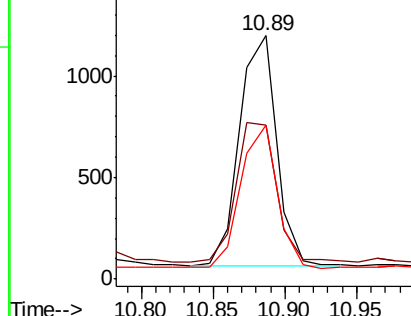
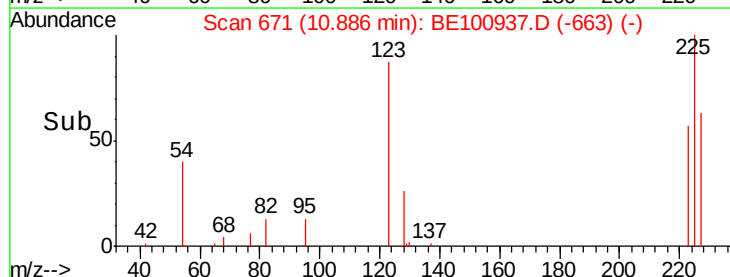
225 100

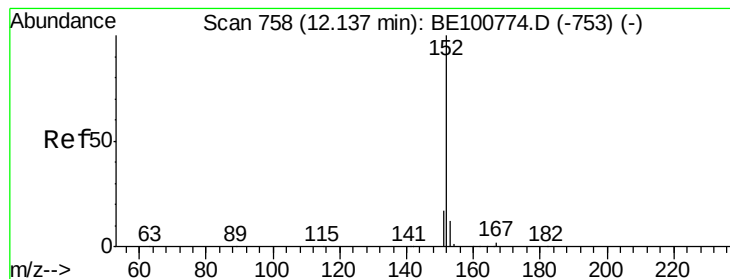
223 65.8 52.1 78.1

227 61.2 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

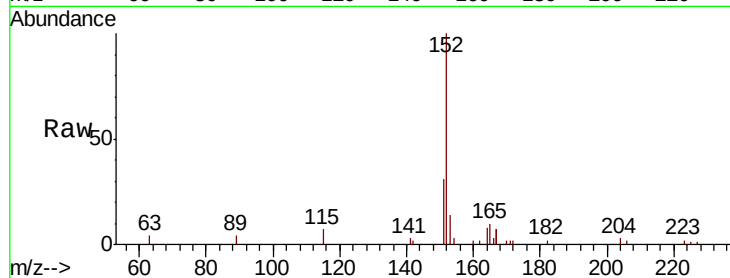




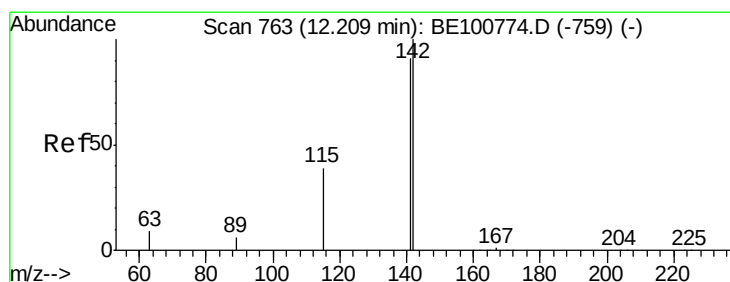
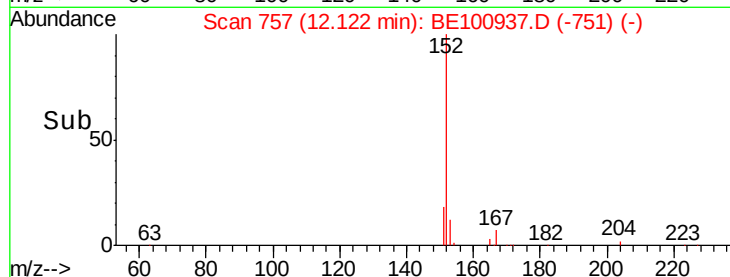
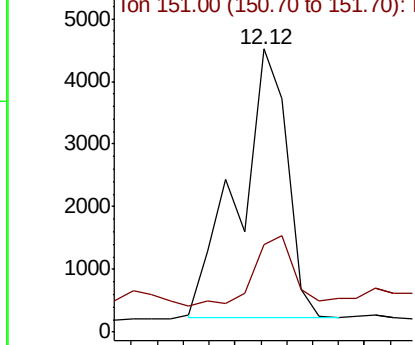
#11
 2-Methylnaphthalene-d10
 Concen: 0.375 ng
 RT: 12.12 min Scan# 757
 Delta R.T. -0.02 min
 Lab File: BE100937.D
 Acq: 17 Dec 2019 2:51

Instrument :
 BNA_E
 ClientSampleId :

Tot Ion:152 Resp: 11075
 Ion Ratio Lower Upper
 152 100
 151 21.2 15.1 22.7

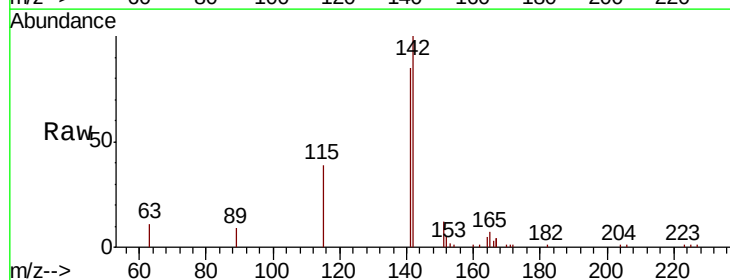


Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 151.00 (150.70 to 151.70): E

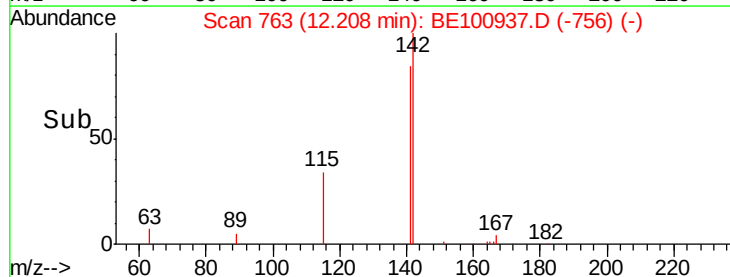
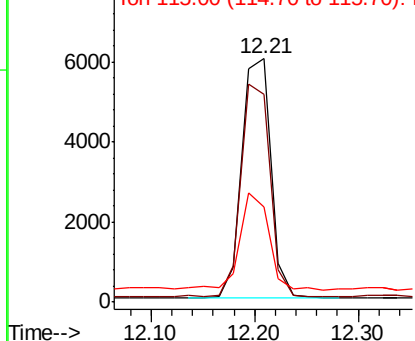


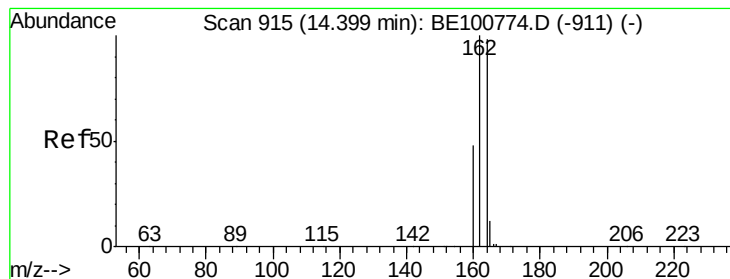
#12
 2-Methylnaphthalene
 Concen: 0.345 ng
 RT: 12.21 min Scan# 763
 Delta R.T. -0.00 min
 Lab File: BE100937.D
 Acq: 17 Dec 2019 2:51

Tgt Ion:142 Resp: 11666
 Ion Ratio Lower Upper
 142 100
 141 85.2 68.9 103.3
 115 39.3 29.5 44.3



Abundance Ion 142.00 (141.70 to 142.70): E
 Ion 141.00 (140.70 to 141.70): E
 Ion 115.00 (114.70 to 115.70): E





#13

Acenaphthene-d10

Concen: 0.400 ng

RT: 14.38 min Scan# 914

Delta R.T. -0.00 min

Lab File: BE100937.D

Acq: 17 Dec 2019 2:51

Instrument :

BNA_E

ClientSampleId :

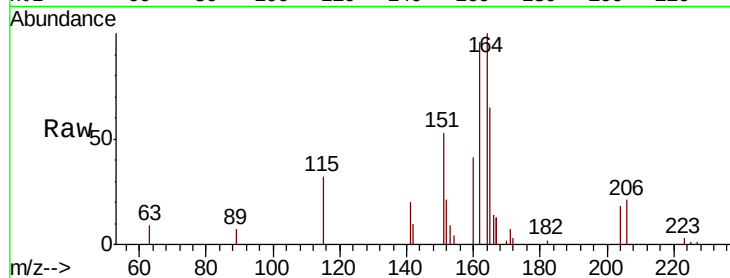
Tot Ion:164 Resp: 15574

Ion Ratio Lower Upper

164 100

162 96.2 86.0 129.0

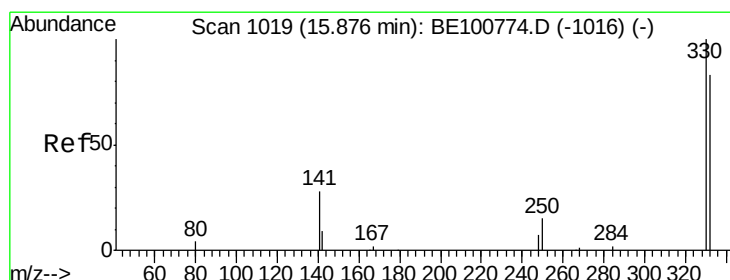
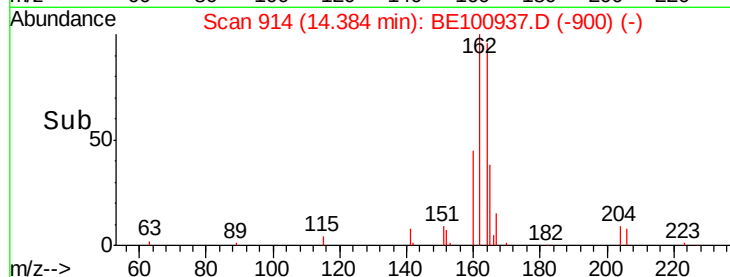
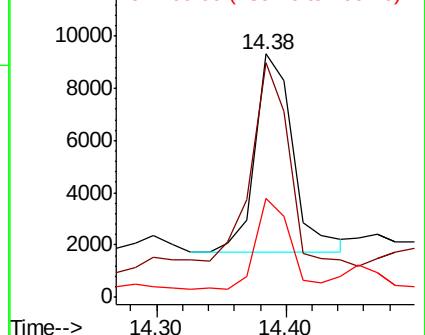
160 40.7 42.3 63.5#



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: 0.759 ng

RT: 15.88 min Scan# 1019

Delta R.T. 0.00 min

Lab File: BE100937.D

Acq: 17 Dec 2019 2:51

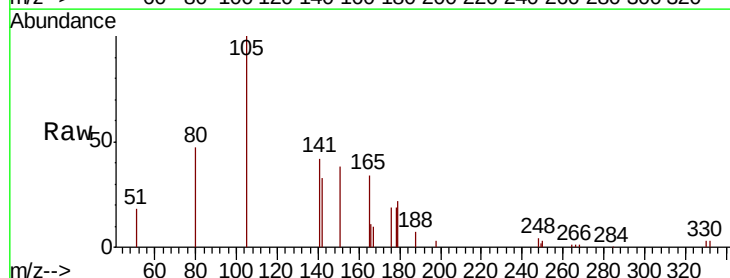
Tgt Ion:330 Resp: 1314

Ion Ratio Lower Upper

330 100

332 93.2 74.1 111.1

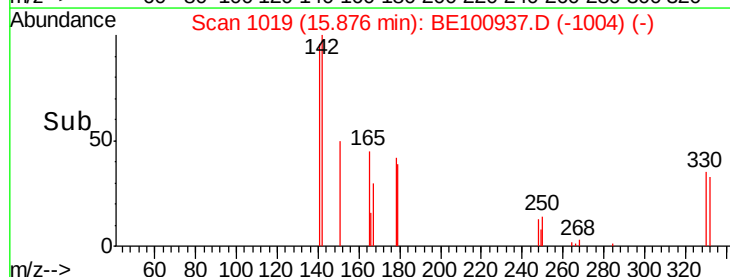
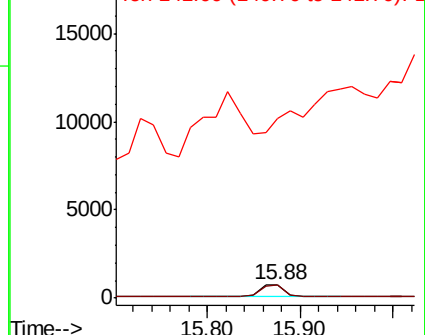
141 0.0 46.7 70.1#

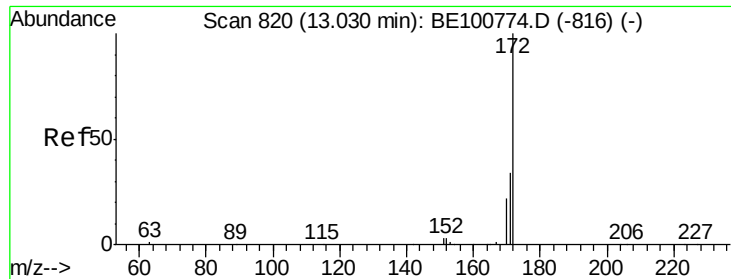


Abundance Ion 330.00 (329.70 to 330.70): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

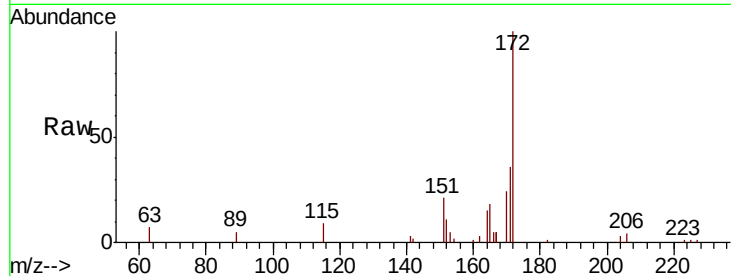




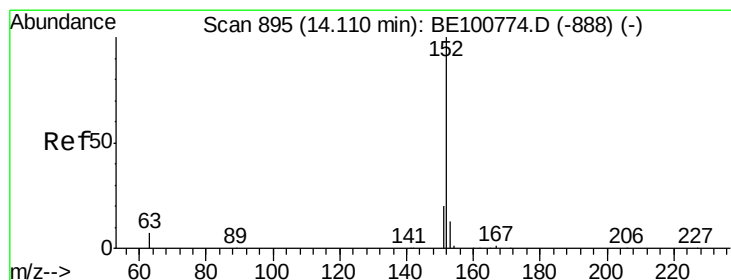
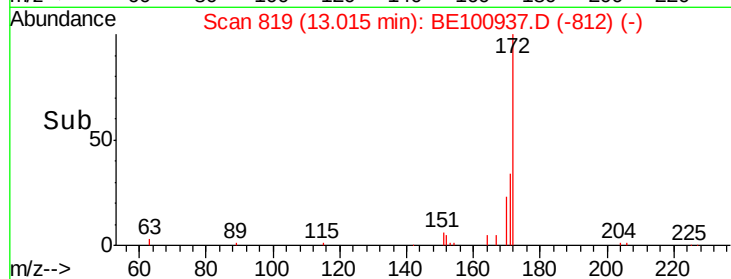
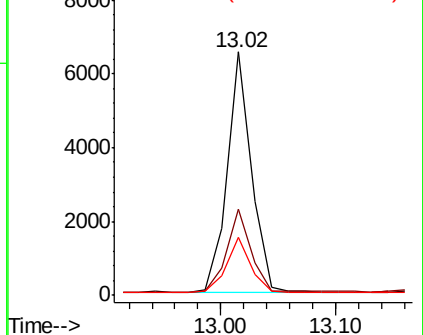
#15
2-Fluorobiphenyl
Concen: 0.154 ng
RT: 13.02 min Scan# 819
Delta R.T. -0.00 min
Lab File: BE100937.D
Acq: 17 Dec 2019 2:51

Instrument :
BNA_E
ClientSampleId :

Tot Ion:172 Resp: 9525
Ion Ratio Lower Upper
172 100
171 35.5 28.2 42.4
170 23.9 19.4 29.0

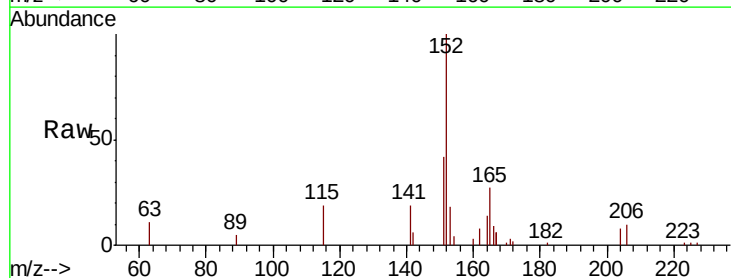


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

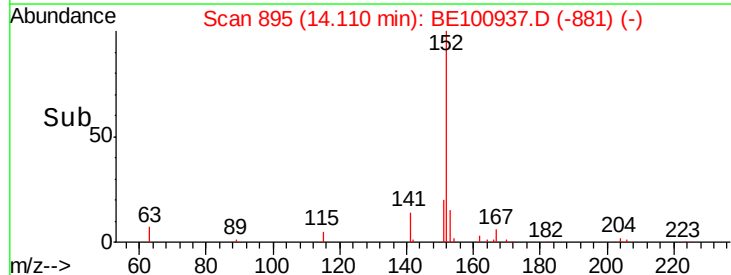
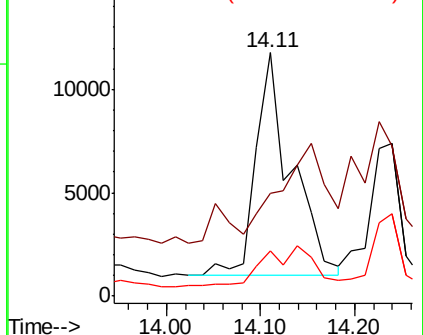


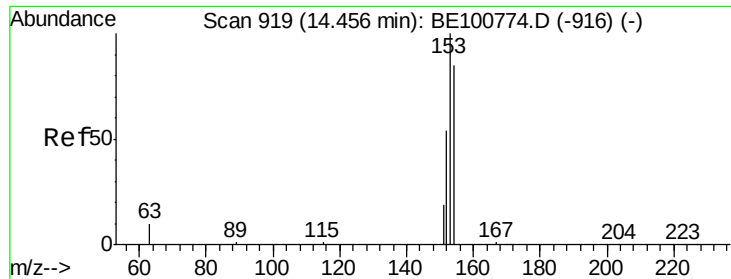
#16
Acenaphthylene
Concen: 0.438 ng
RT: 14.11 min Scan# 895
Delta R.T. -0.00 min
Lab File: BE100937.D
Acq: 17 Dec 2019 2:51

Tgt Ion:152 Resp: 28216
Ion Ratio Lower Upper
152 100
151 0.0 15.9 23.9#
153 0.0 10.5 15.7#



Abundance Ion 152.00 (151.70 to 152.70): E
Ion 151.00 (150.70 to 151.70): E
Ion 153.00 (152.70 to 153.70): E

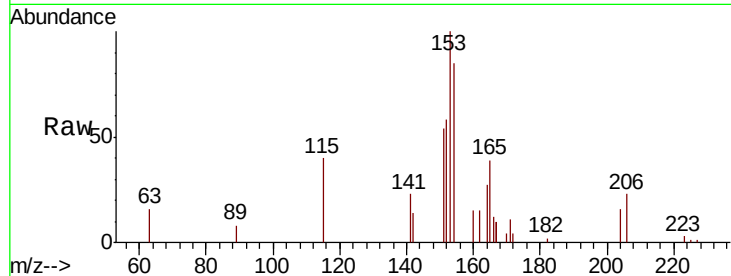




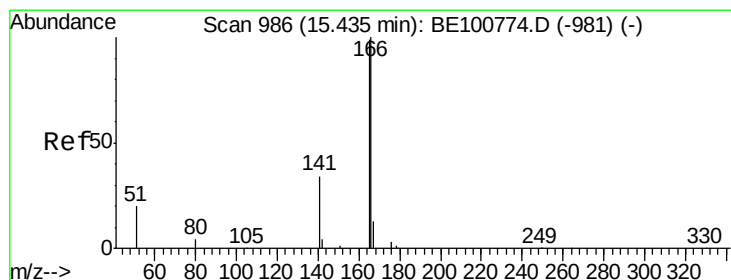
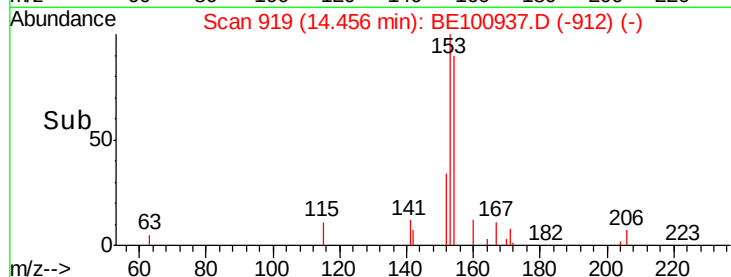
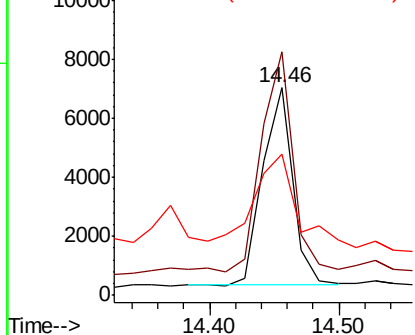
#17
Acenaphthene
Concen: 0.243 ng
RT: 14.46 min Scan# 919
Delta R.T. -0.00 min
Lab File: BE100937.D
Acq: 17 Dec 2019 2:51

Instrument :
BNA_E
ClientSampleId :

Tot Ion:154 Resp: 10801
Ion Ratio Lower Upper
154 100
153 112.6 91.5 137.3
152 77.4 47.7 71.5#

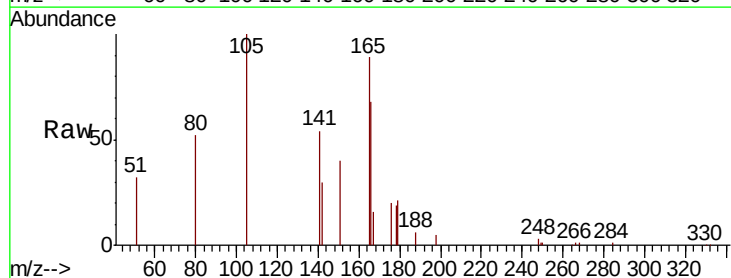


Abundance Ion 154.00 (153.70 to 154.70): E
Ion 153.00 (152.70 to 153.70): E
Ion 152.00 (151.70 to 152.70): E

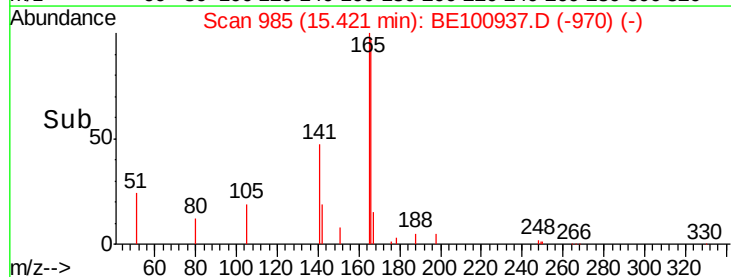
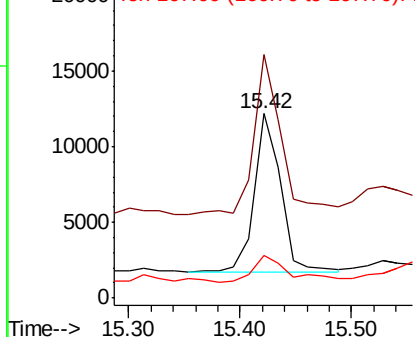


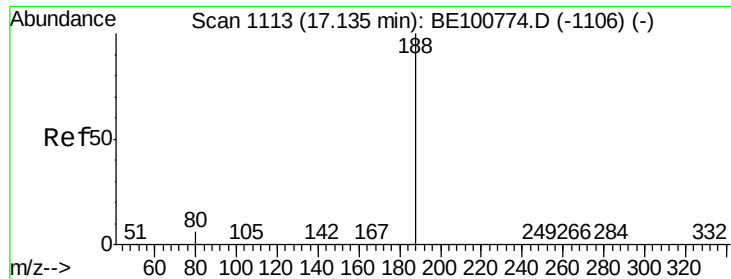
#18
Fluorene
Concen: 0.300 ng
RT: 15.42 min Scan# 985
Delta R.T. 0.00 min
Lab File: BE100937.D
Acq: 17 Dec 2019 2:51

Tgt Ion:166 Resp: 17151
Ion Ratio Lower Upper
166 100
165 107.5 80.2 120.4
167 24.1 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: BE100937.D

Acq: 17 Dec 2019 2:51

Instrument :

BNA_E

ClientSampleId :

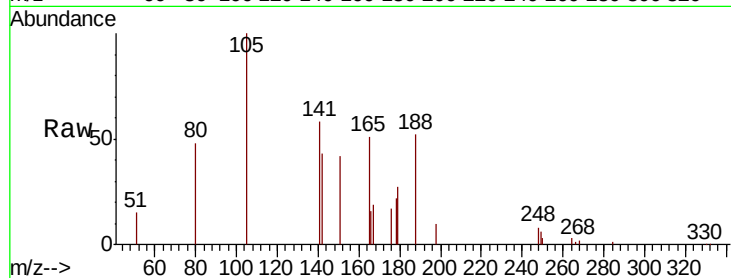
Tot Ion:188 Resp: 31267

Ion Ratio Lower Upper

188 100

94 0.0 0.0 0.0

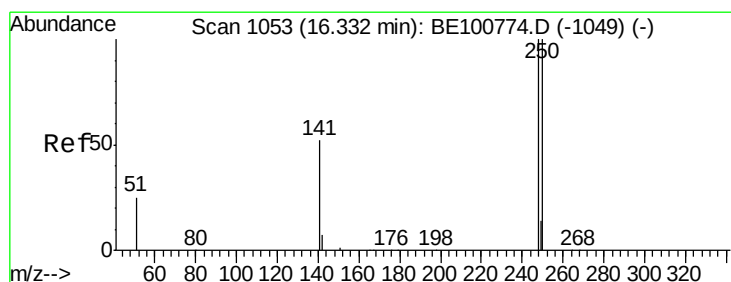
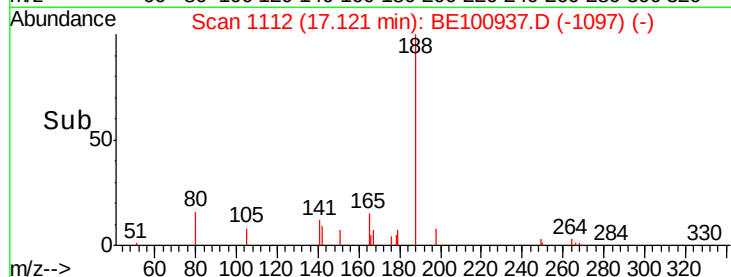
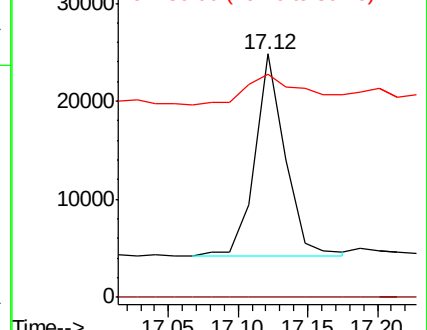
80 91.6 7.9 11.9#



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: 0.342 ng

RT: 16.32 min Scan# 1052

Delta R.T. 0.00 min

Lab File: BE100937.D

Acq: 17 Dec 2019 2:51

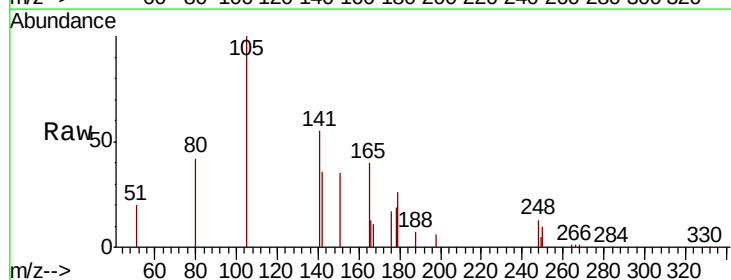
Tgt Ion:248 Resp: 5243

Ion Ratio Lower Upper

248 100

250 75.8 72.4 108.6

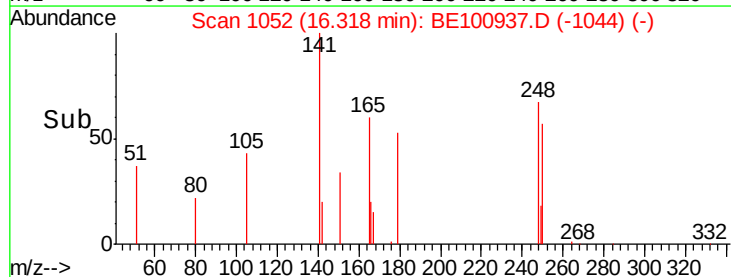
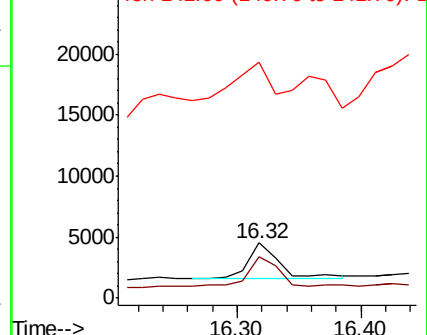
141 425.6 68.2 102.2#

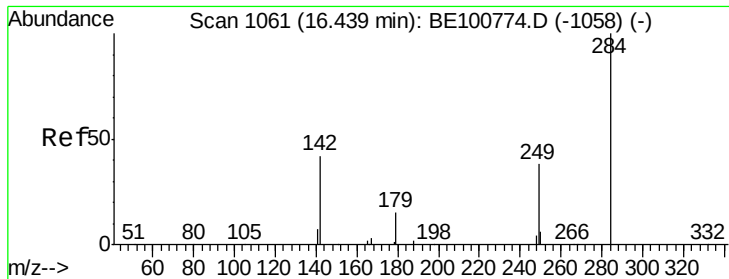


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E

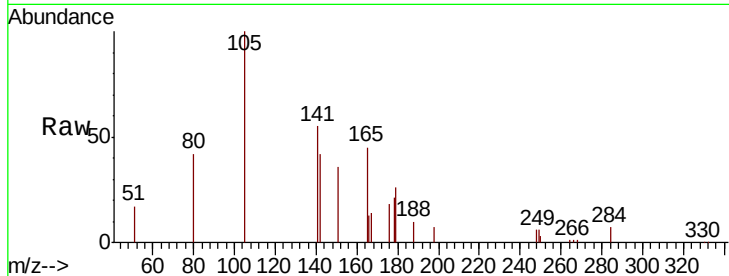




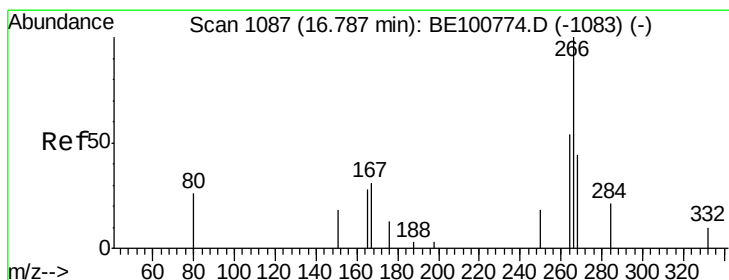
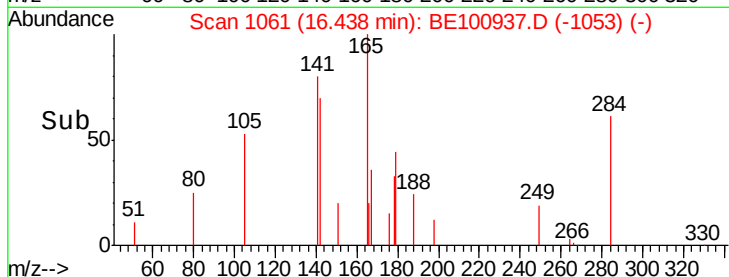
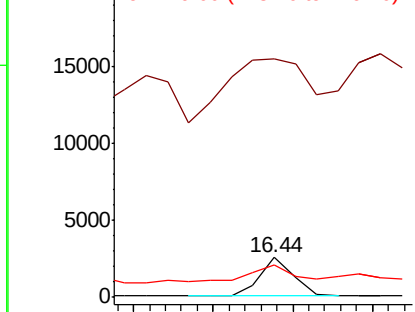
#21
Hexachlorobenzene
Concen: 0.206 ng
RT: 16.44 min Scan# 1061
Delta R.T. 0.00 min
Lab File: BE100937.D
Acq: 17 Dec 2019 2:51

Instrument :
BNA_E
ClientSampleId :

Tot Ion:284 Resp: 3440
Ion Ratio Lower Upper
284 100
142 419.8 35.0 52.4#
249 50.2 28.1 42.1#

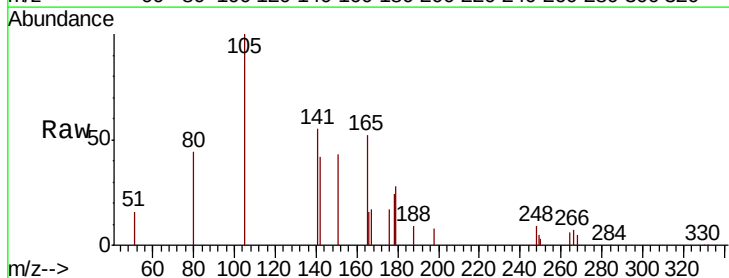


Abundance Ion 283.80 (283.50 to 284.50): E
Ion 142.00 (141.70 to 142.70): E
Ion 249.00 (248.70 to 249.70): E

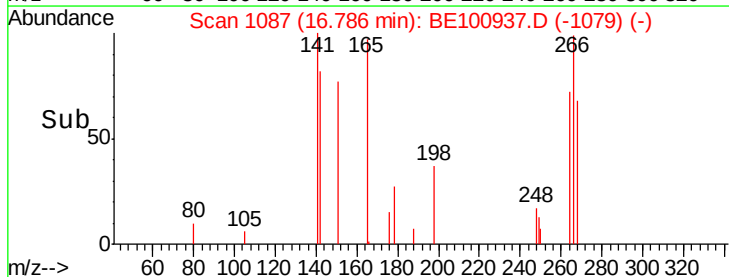
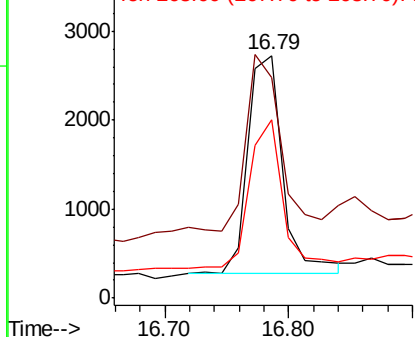


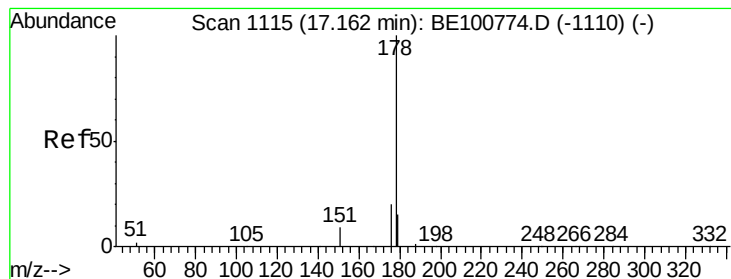
#22
Pentachlorophenol
Concen: 4.122 ng
RT: 16.79 min Scan# 1087
Delta R.T. 0.00 min
Lab File: BE100937.D
Acq: 17 Dec 2019 2:51

Tgt Ion:266 Resp: 4751
Ion Ratio Lower Upper
266 100
264 90.8 55.1 82.7#
268 73.4 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: 0.486 ng

RT: 17.16 min Scan# 1115

Delta R.T. 0.00 min

Lab File: BE100937.D

Acq: 17 Dec 2019 2:51

Instrument :

BNA_E

ClientSampled :

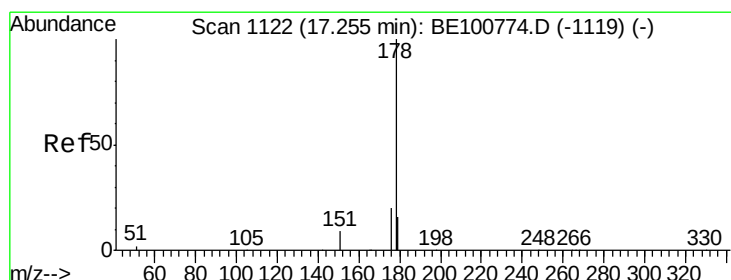
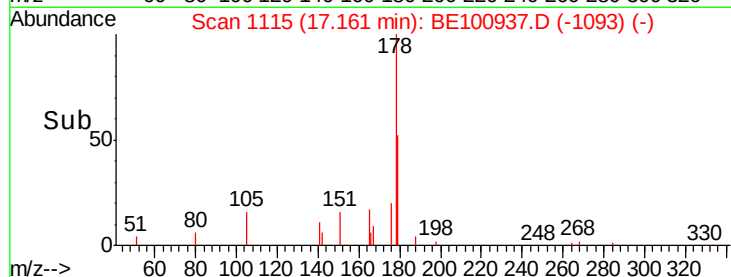
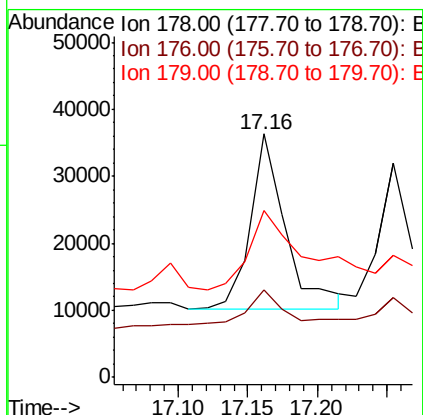
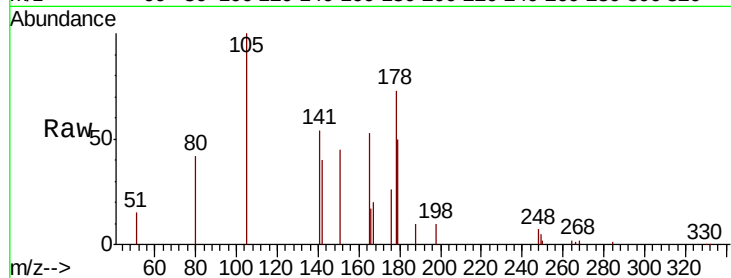
Tot Ion:178 Resp: 46012

Ion Ratio Lower Upper

178 100

176 28.1 15.6 23.4#

179 79.4 11.9 17.9#



#24

Anthracene

Concen: 0.328 ng

RT: 17.25 min Scan# 1122

Delta R.T. 0.00 min

Lab File: BE100937.D

Acq: 17 Dec 2019 2:51

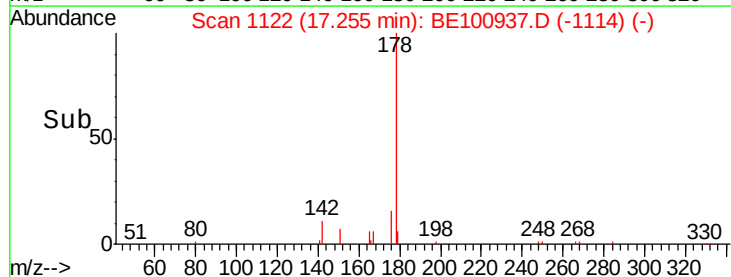
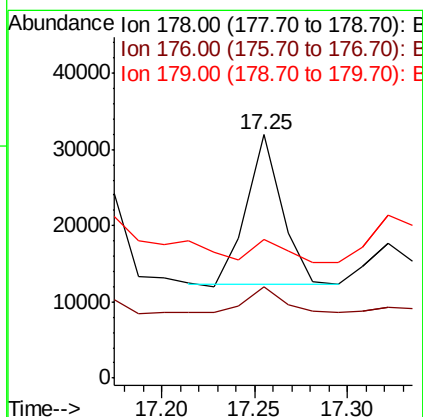
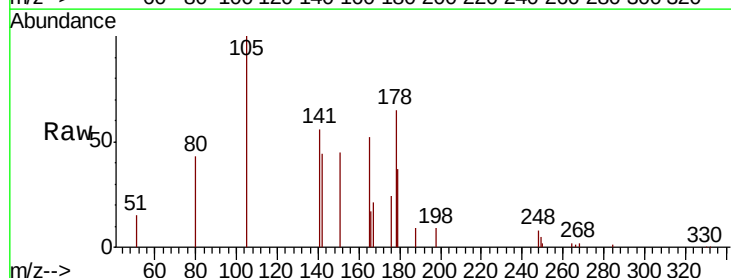
Tgt Ion:178 Resp: 25962

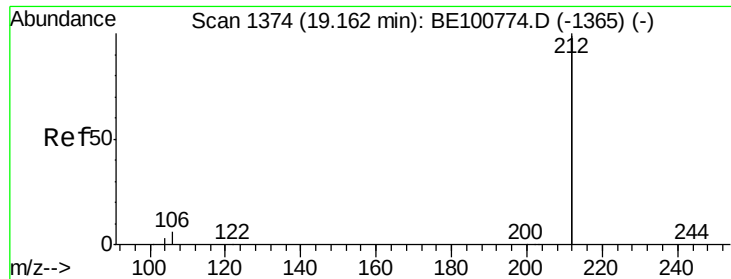
Ion Ratio Lower Upper

178 100

176 17.5 14.7 22.1

179 13.7 12.2 18.4

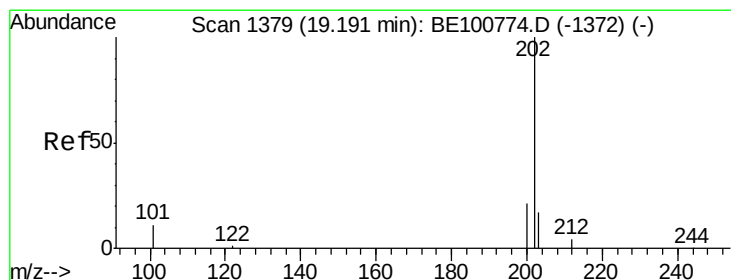
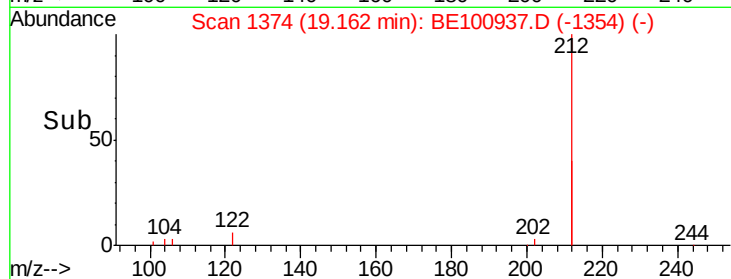
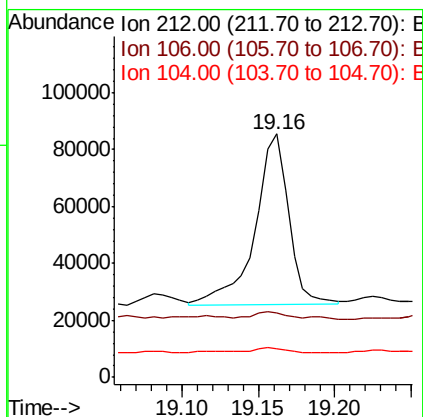
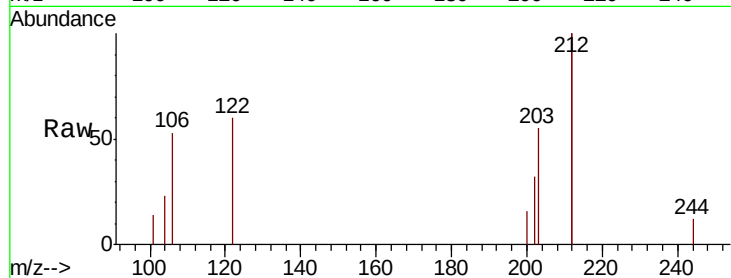




#25
Fluoranthene-d10
Concen: 0.246 ng
RT: 19.16 min Scan# 1374
Delta R.T. 0.01 min
Lab File: BE100937.D
Acq: 17 Dec 2019 2:51

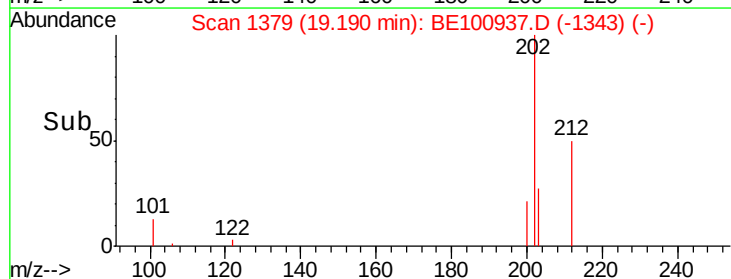
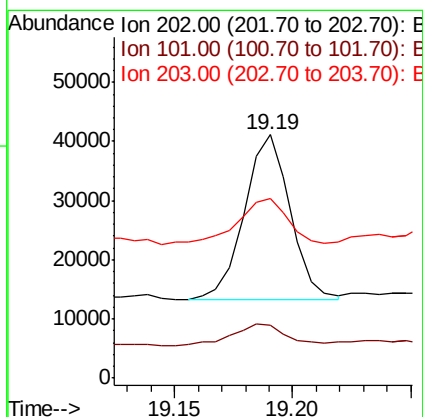
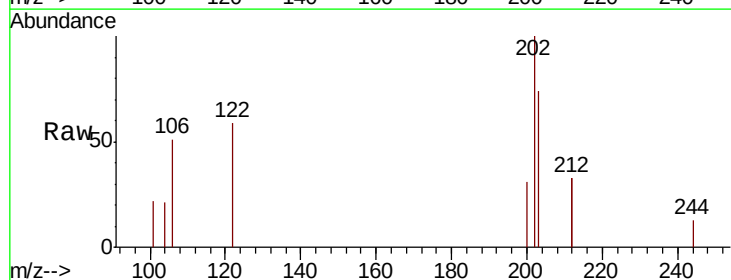
Instrument :
BNA_E
ClientSampleId :

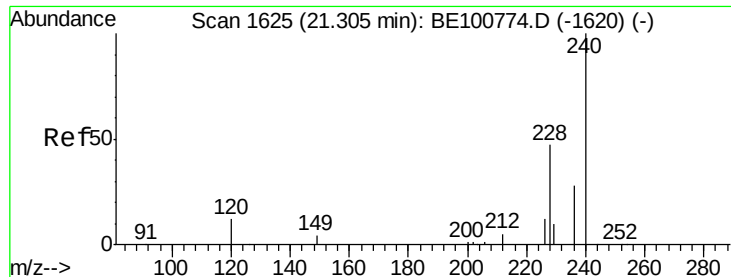
Tot Ion:212 Resp: 91032
Ion Ratio Lower Upper
212 100
106 5.2 2.6 4.0#
104 2.2 1.4 2.2#



#26
Fluoranthene
Concen: 0.337 ng
RT: 19.19 min Scan# 1379
Delta R.T. 0.01 min
Lab File: BE100937.D
Acq: 17 Dec 2019 2:51

Tgt Ion:202 Resp: 38037
Ion Ratio Lower Upper
202 100
101 16.1 9.4 14.0#
203 30.8 13.7 20.5#

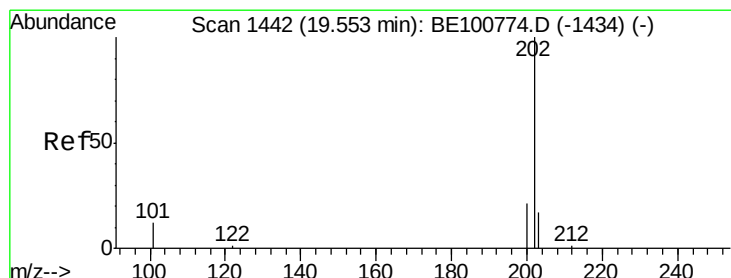
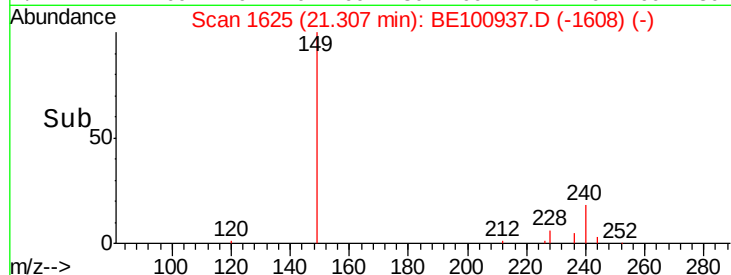
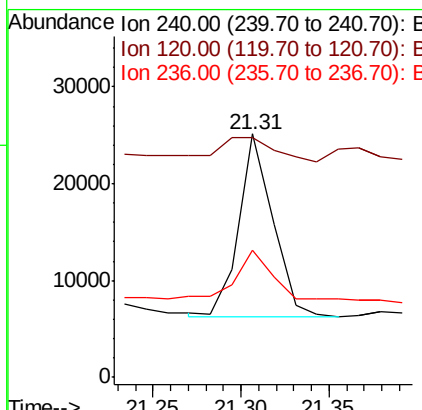
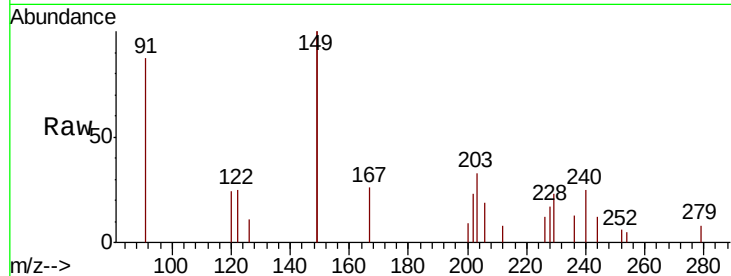




#27
Chrysene-d12
Concen: 0.400 ng
RT: 21.31 min Scan# 1625
Delta R.T. 0.00 min
Lab File: BE100937.D
Acq: 17 Dec 2019 2:51

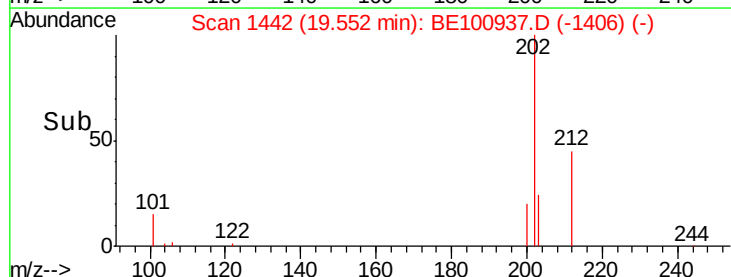
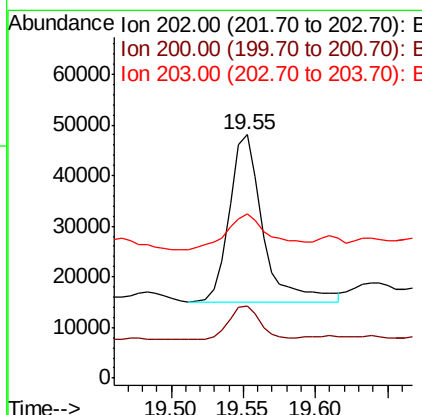
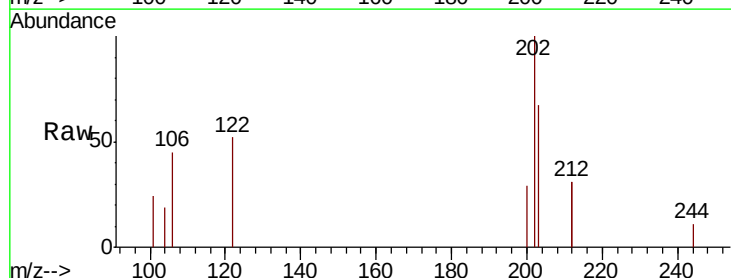
Instrument :
BNA_E
ClientSampleId :

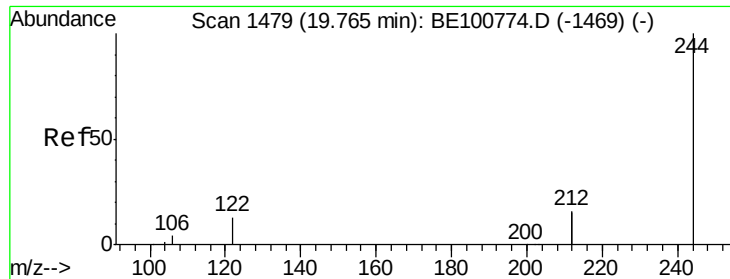
Tot Ion:240 Resp: 25432
Ion Ratio Lower Upper
240 100
120 98.7 4.0 6.0#
236 52.0 21.6 32.4#



#28
Pyrene
Concen: 0.649 ng
RT: 19.55 min Scan# 1442
Delta R.T. 0.01 min
Lab File: BE100937.D
Acq: 17 Dec 2019 2:51

Tgt Ion:202 Resp: 53653
Ion Ratio Lower Upper
202 100
200 18.3 17.0 25.4
203 27.6 13.8 20.8#





#29

Terphenyl-d14

Concen: 0.250 ng

RT: 19.76 min Scan# 1479

Delta R.T. 0.01 min

Lab File: BE100937.D

Acq: 17 Dec 2019 2:51

Instrument :

BNA_E

ClientSampleId :

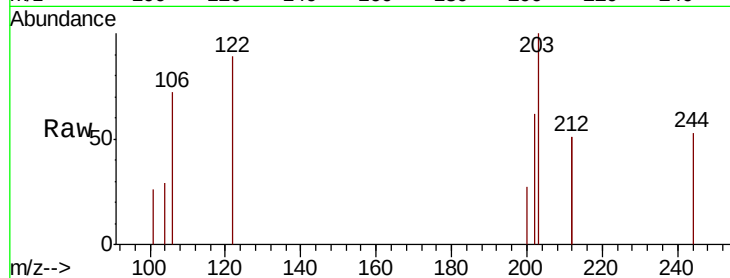
Tot Ion:244 Resp: 15224

Ion Ratio Lower Upper

244 100

212 192.8 25.2 37.8#

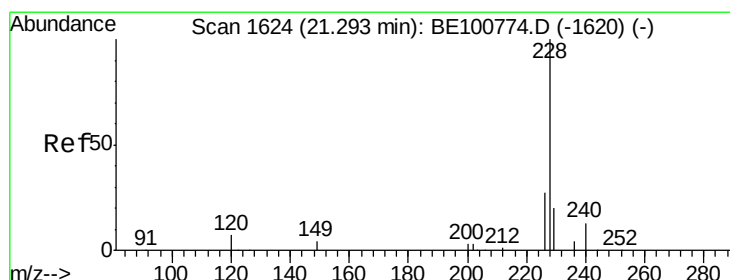
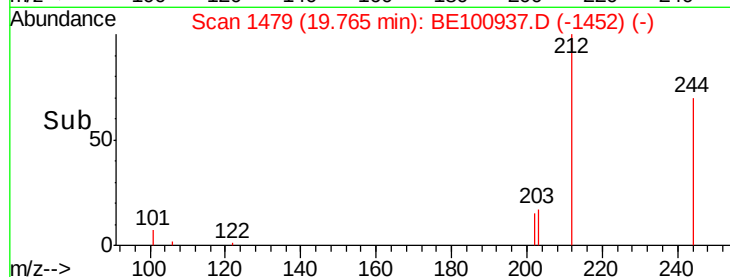
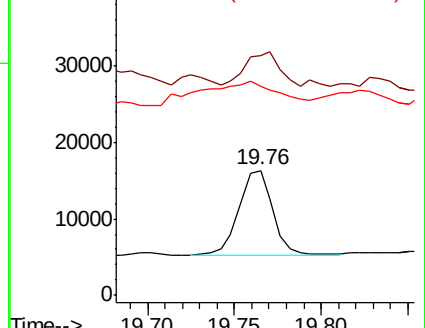
122 167.8 8.9 13.3#



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: 0.464 ng

RT: 21.29 min Scan# 1624

Delta R.T. 0.01 min

Lab File: BE100937.D

Acq: 17 Dec 2019 2:51

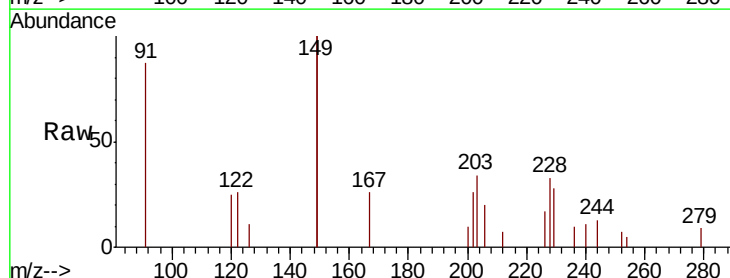
Tgt Ion:228 Resp: 34761

Ion Ratio Lower Upper

228 100

226 51.7 21.4 32.0#

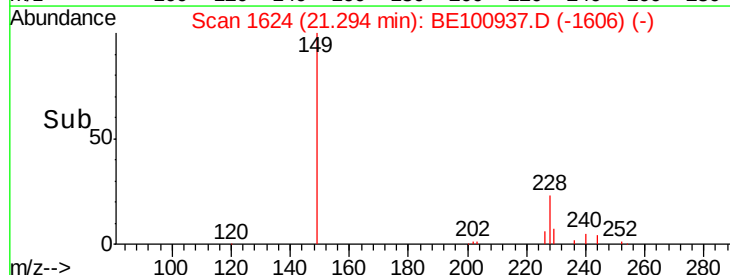
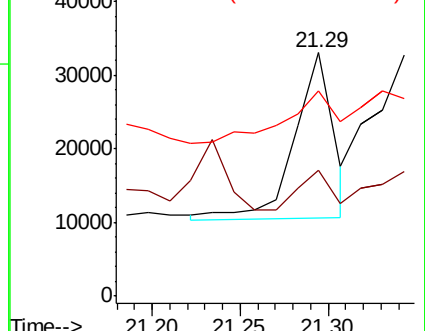
229 84.4 15.8 23.6#

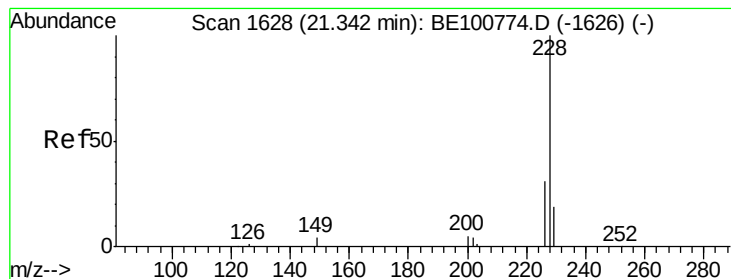


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#31

Chrysene

Concen: 0.488 ng

RT: 21.34 min Scan# 1628

Delta R.T. 0.01 min

Lab File: BE100937.D

Acq: 17 Dec 2019 2:51

Instrument :

BNA_E

ClientSampleId :

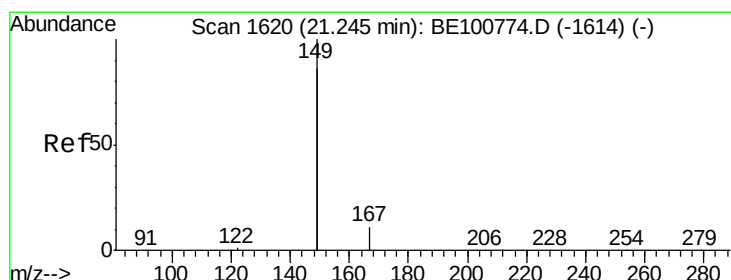
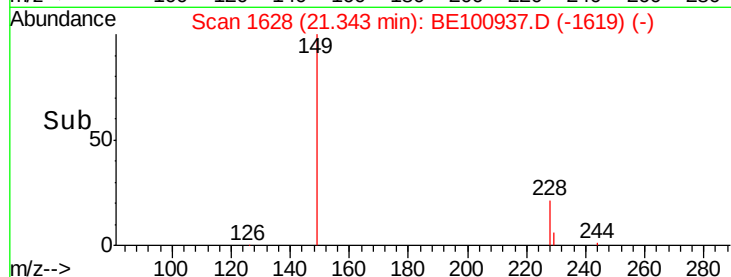
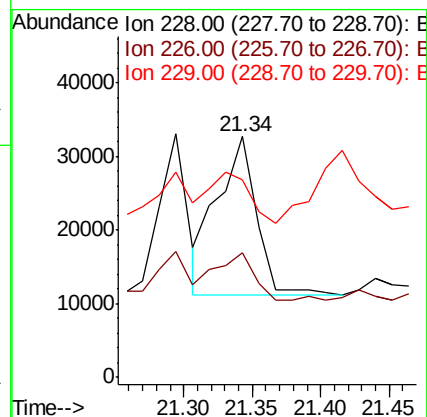
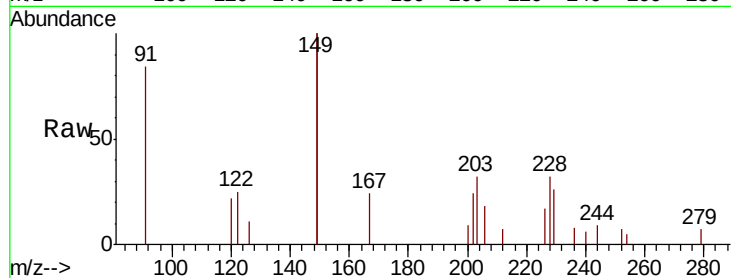
Tot Ion:228 Resp: 42994

Ion Ratio Lower Upper

228 100

226 51.9 25.3 37.9#

229 82.2 15.2 22.8#



#32

Bis(2-ethylhexyl)phthalate

Concen: 1.949 ng

RT: 21.23 min Scan# 1619

Delta R.T. 0.00 min

Lab File: BE100937.D

Acq: 17 Dec 2019 2:51

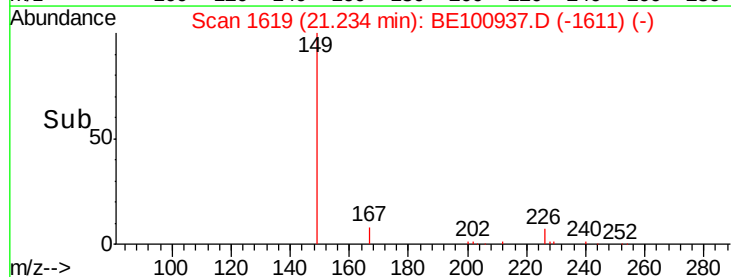
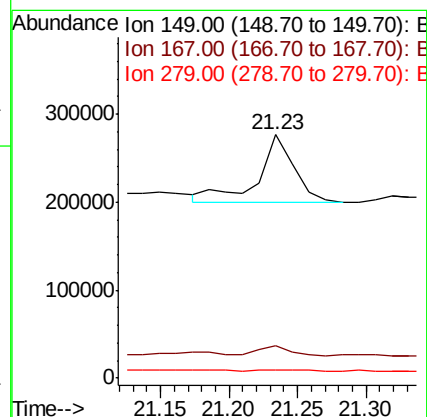
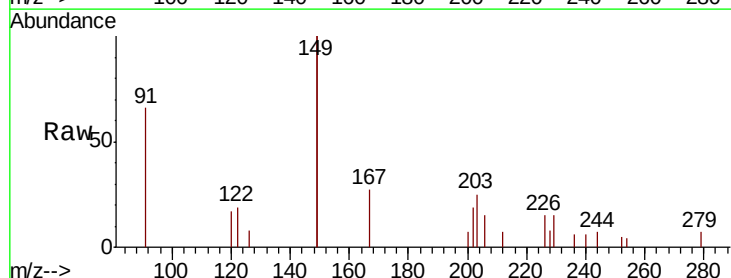
Tgt Ion:149 Resp: 140764

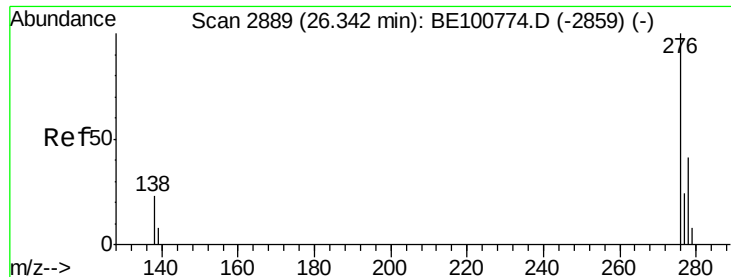
Ion Ratio Lower Upper

149 100

167 11.5 5.0 7.4#

279 0.0 0.6 1.0#

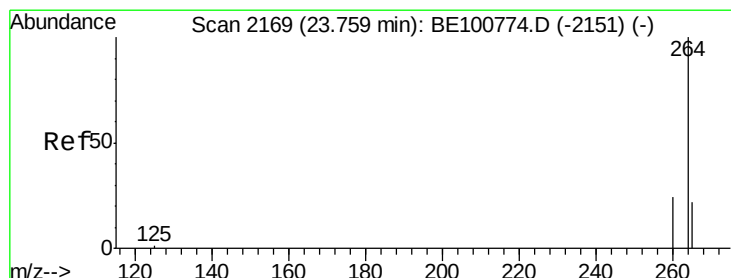
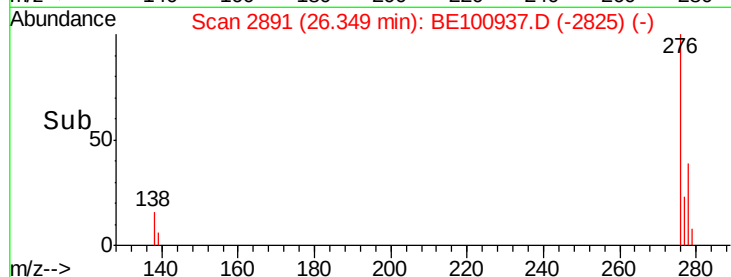
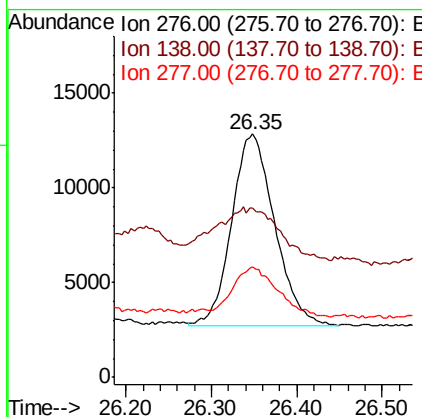
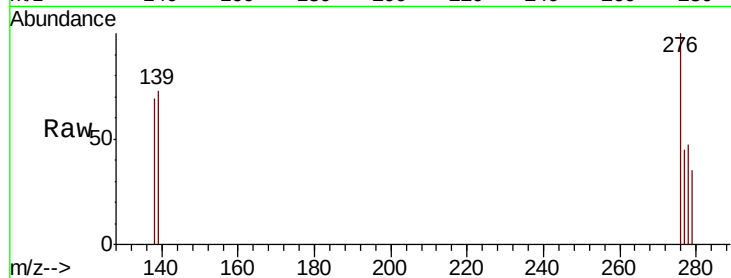




#33
 Indeno(1,2,3-cd)pyrene
 Concen: 0.466 ng
 RT: 26.35 min Scan# 2891
 Delta R.T. 0.04 min
 Lab File: BE100937.D
 Acq: 17 Dec 2019 2:51

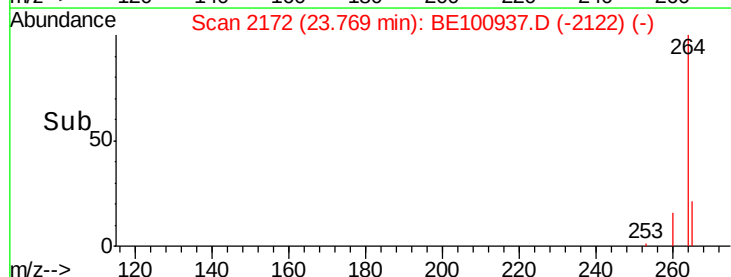
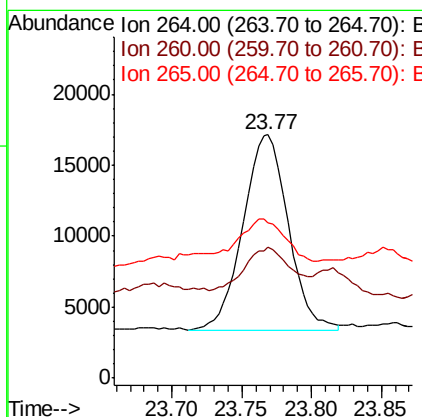
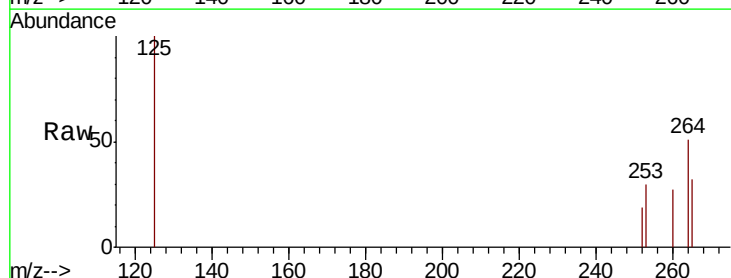
Instrument :
 BNA_E
 ClientSampleId :

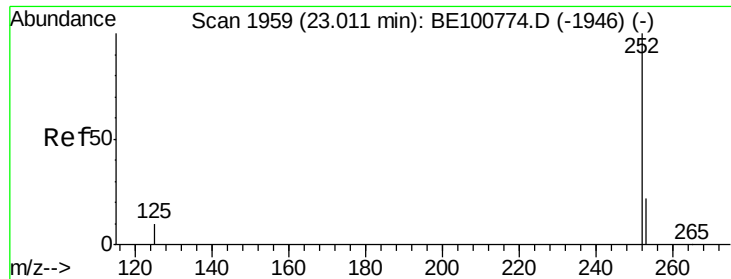
Tot Ion:276 Resp: 35739
 Ion Ratio Lower Upper
 276 100
 138 11.4 18.4 27.6#
 277 27.1 19.4 29.2



#34
 Perylene-d12
 Concen: 0.400 ng
 RT: 23.77 min Scan# 2172
 Delta R.T. 0.03 min
 Lab File: BE100937.D
 Acq: 17 Dec 2019 2:51

Tgt Ion:264 Resp: 30883
 Ion Ratio Lower Upper
 264 100
 260 53.7 19.4 29.0#
 265 64.0 20.1 30.1#

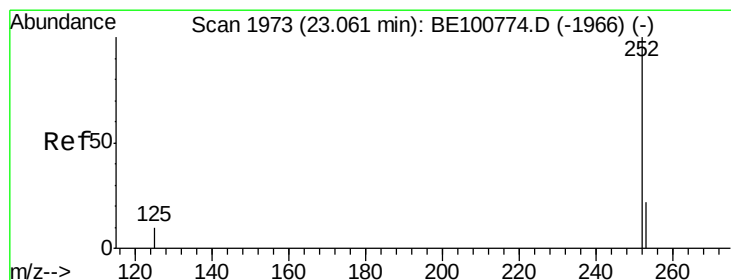
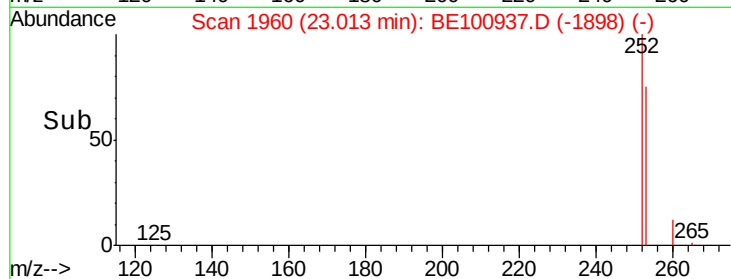
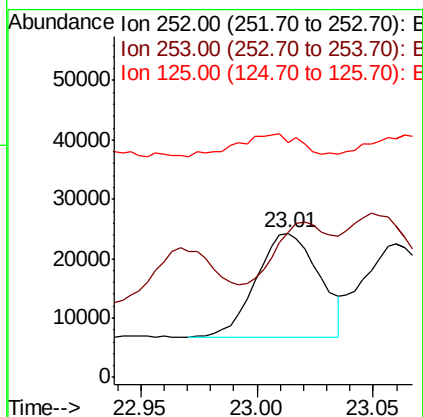
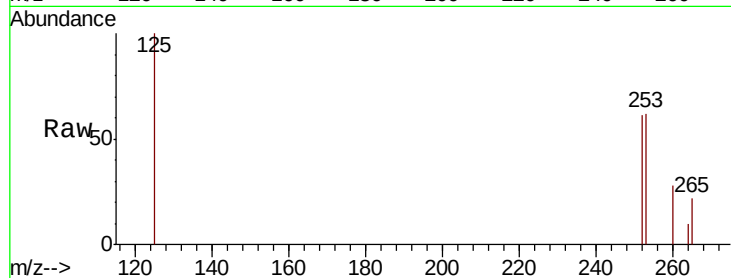




#35
Benzo(b)fluoranthene
Concen: 0.393 ng
RT: 23.01 min Scan# 1960
Delta R.T. 0.02 min
Lab File: BE100937.D
Acq: 17 Dec 2019 2:51

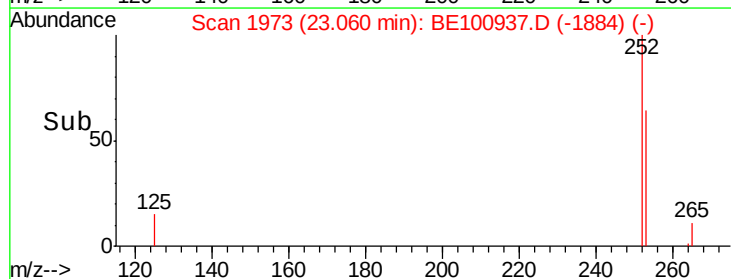
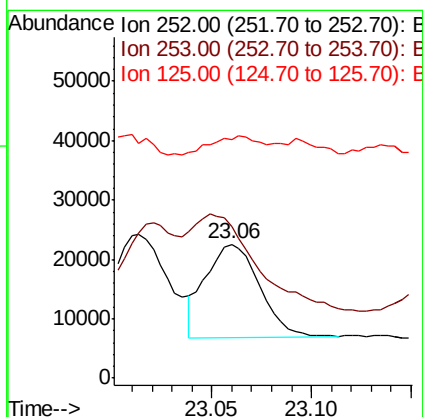
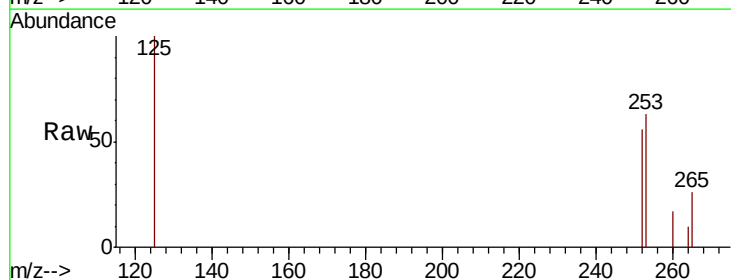
Instrument :
BNA_E
ClientSampleId :

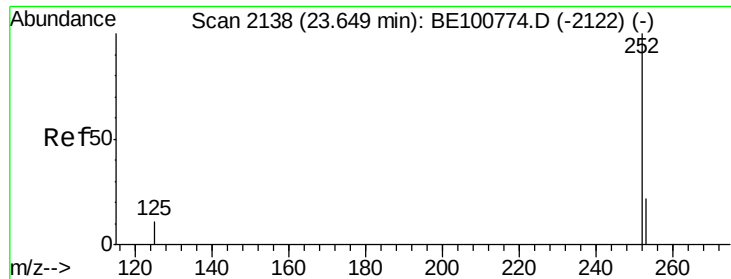
Tot Ion:252 Resp: 33262
Ion Ratio Lower Upper
252 100
253 100.3 17.8 26.6#
125 162.9 8.3 12.5#



#36
Benzo(k)fluoranthene
Concen: 0.308 ng
RT: 23.06 min Scan# 1973
Delta R.T. 0.02 min
Lab File: BE100937.D
Acq: 17 Dec 2019 2:51

Tgt Ion:252 Resp: 29232
Ion Ratio Lower Upper
252 100
253 112.9 17.8 26.6#
125 178.0 9.4 14.0#





#37

Benzo(a)pyrene

Concen: 0.440 ng

RT: 23.65 min Scan# 2139

Delta R.T. 0.02 min

Lab File: BE100937.D

Acq: 17 Dec 2019 2:51

Instrument :

BNA_E

ClientSampleId :

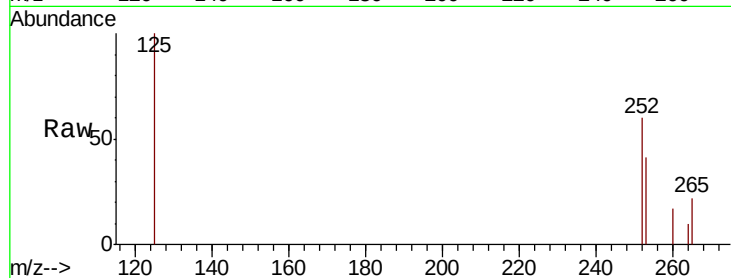
Tot Ion:252 Resp: 32211

Ion Ratio Lower Upper

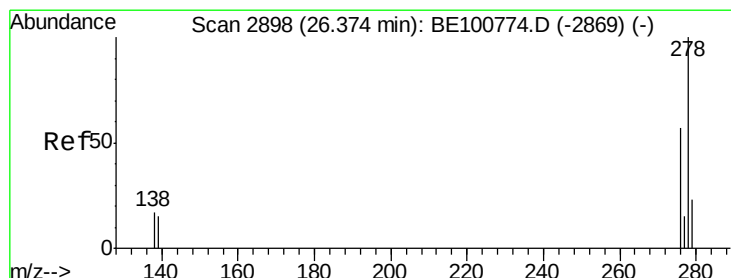
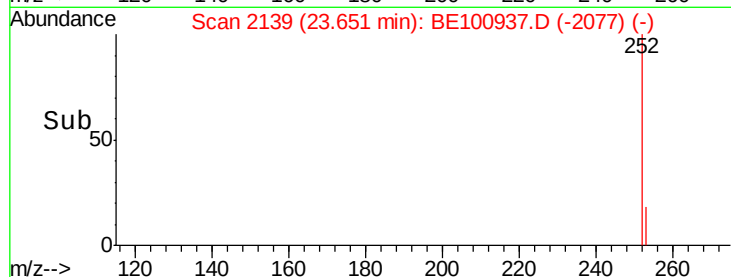
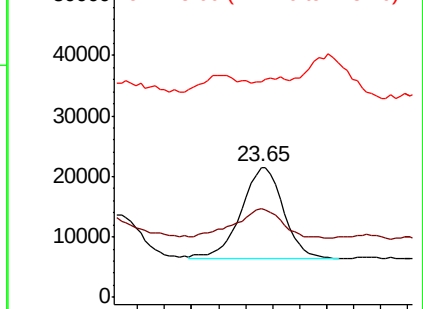
252 100

253 68.1 17.8 26.8#

125 166.3 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: 0.318 ng

RT: 26.37 min Scan# 2898

Delta R.T. 0.03 min

Lab File: BE100937.D

Acq: 17 Dec 2019 2:51

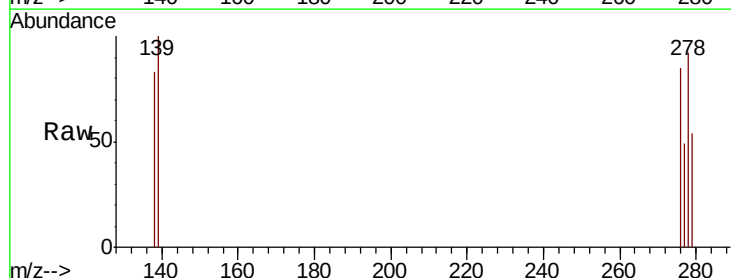
Tgt Ion:278 Resp: 23178

Ion Ratio Lower Upper

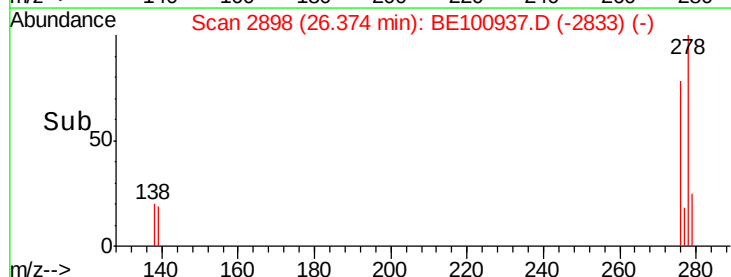
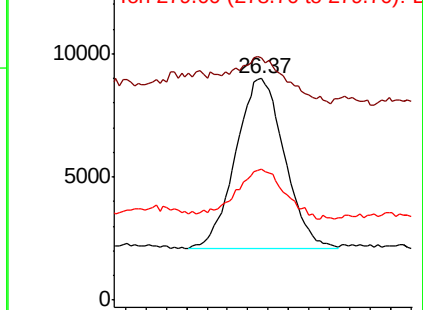
278 100

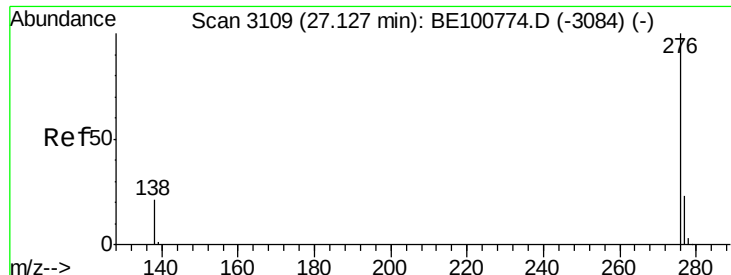
139 109.2 13.8 20.6#

279 58.8 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: 0.466 ng

RT: 27.14 min Scan# 3112

Delta R.T. 0.04 min

Lab File: BE100937.D

Acq: 17 Dec 2019 2:51

Instrument :

BNA_E

ClientSampleId :

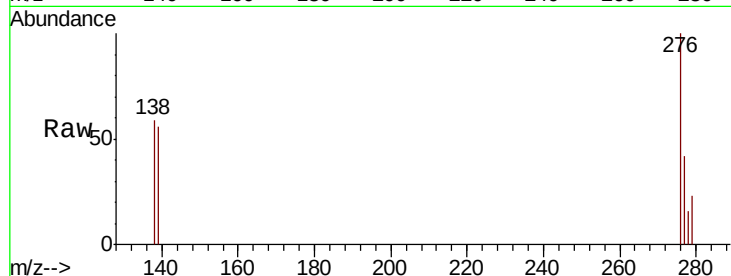
Tot Ion: 276 Resp: 36290

Ion Ratio Lower Upper

276 100

277 42.4 19.7 29.5#

138 59.4 18.0 27.0#



Abundance Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

