

Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE112219\
 Data File : BE100768.D
 Acq On : 22 Nov 2019 21:26
 Operator : JU
 Sample : K5969-08
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 HF-104S

Quant Time: Nov 23 04:25:37 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA E\METHODS\8270-SIM-BE112119.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Nov 22 06:40:44 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.76	152	6802	0.40	ng	0.00
7) Naphthalene-d8	10.55	136	31583	0.40	ng	0.00
13) Acenaphthene-d10	14.40	164	20343	0.40	ng	0.00
19) Phenanthrene-d10	17.13	188	42375	0.40	ng	0.00
27) Chrysene-d12	21.32	240	39712	0.40	ng	0.00
34) Perylene-d12	23.77	264	45766	0.40	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Fluorophenol	5.38	112	3297	0.18	ng	0.00
5) Phenol-d6	6.93	99	2875	0.11	ng	0.00
8) Nitrobenzene-d5	8.90	82	8575	0.85	ng	0.00
11) 2-Methylnaphthalene-d10	12.14	152	17859	0.39	ng	0.00
14) 2,4,6-Tribromophenol	15.88	330	2911	1.02	ng	0.00
15) 2-Fluorobiphenyl	13.03	172	25105	0.32	ng	0.00
25) Fluoranthene-d10	19.17	212	200406	0.39	ng	0.00
29) Terphenyl-d14	19.77	244	40320	0.44	ng	0.00

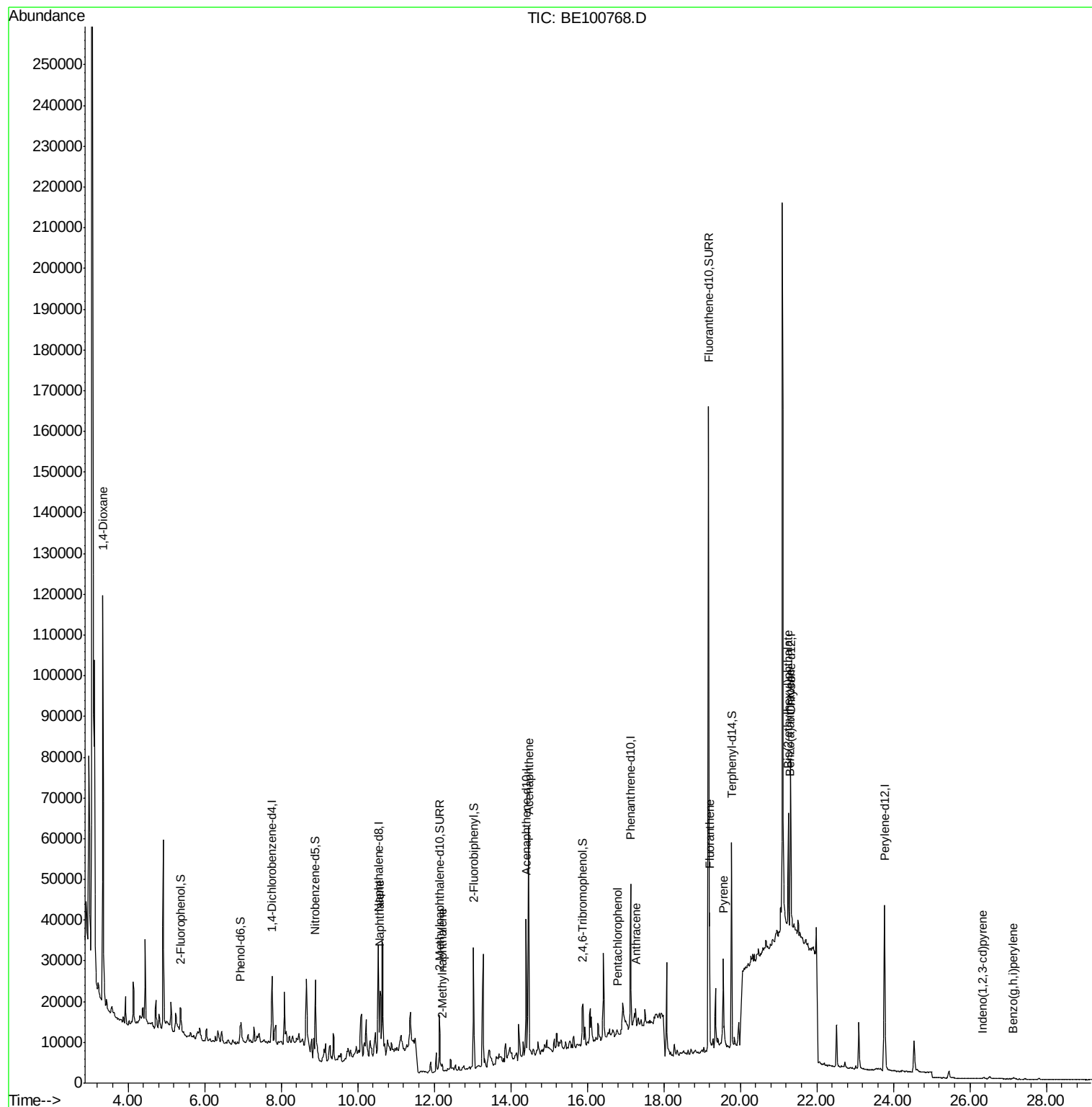
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) 1,4-Dioxane	3.34	88	63392	4.968	ng	98
9) Naphthalene	10.59	128	17198	0.051	ng	# 95
12) 2-Methylnaphthalene	12.21	142	1475	0.028	ng	# 69
17) Acenaphthene	14.47	154	32318	0.550	ng	98
22) Pentachlorophenol	16.79	266	47	0.068	ng	# 73
24) Anthracene	17.27	178	5789	0.053	ng	# 80
26) Fluoranthene	19.20	202	27291	0.175	ng	# 95
28) Pyrene	19.56	202	19627	0.160	ng	# 89
30) Benzo(a)anthracene	21.30	228	2968	0.022	ng	# 44
32) Bis(2-ethylhexyl)phthalate	21.26	149	29230	0.123	ng	# 97
33) Indeno(1,2,3-cd)pyrene	26.34	276	286	0.039	ng	# 82
39) Benzo(g,h,i)perylene	27.13	276	652	0.027	ng	# 1

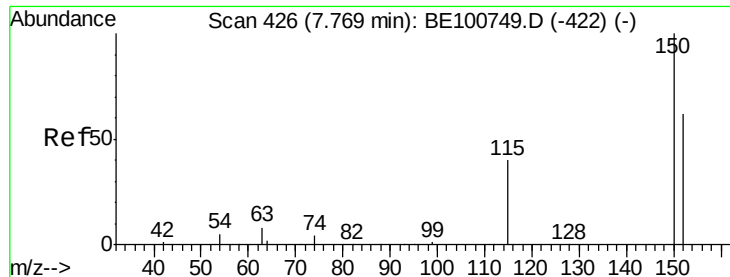
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 0.400 ng

RT: 7.76 min Scan# 425

Delta R.T. -0.01 min

Lab File: BE100768.D

Acq: 22 Nov 2019 21:26

Instrument :

BNA_E

ClientSampleId :

HF-104S

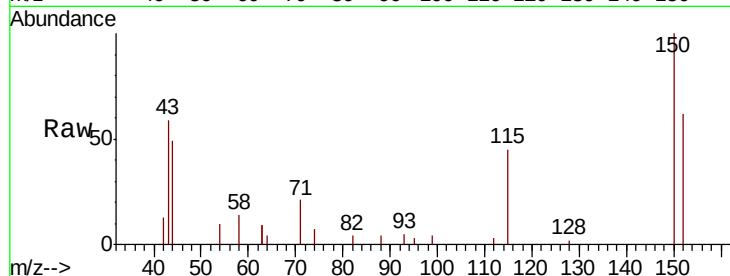
Tot Ion:152 Resp: 6802

Ion Ratio Lower Upper

152 100

150 161.4 127.1 190.7

115 73.2 53.0 79.4

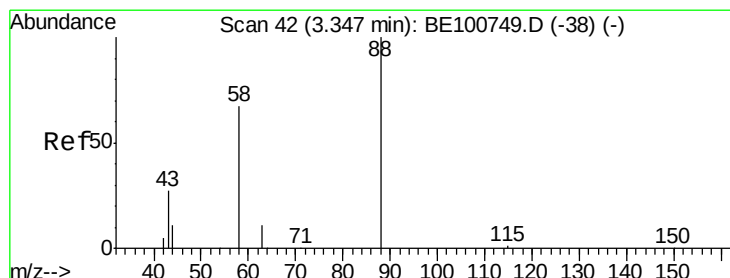
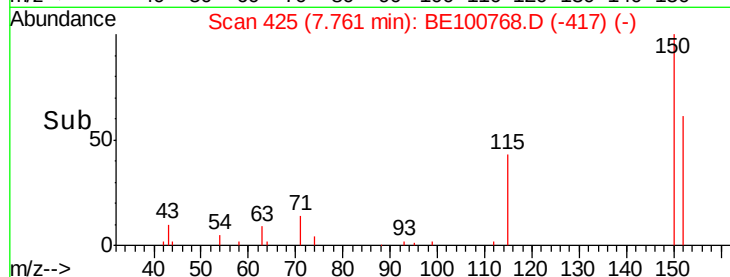
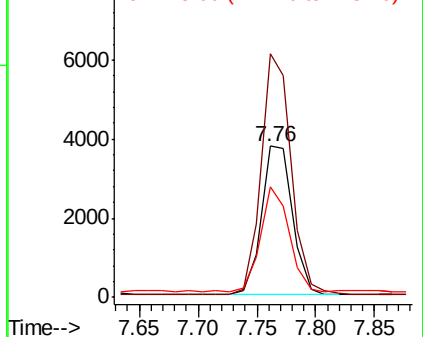


Abundance

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: 4.968 ng

RT: 3.34 min Scan# 41

Delta R.T. -0.01 min

Lab File: BE100768.D

Acq: 22 Nov 2019 21:26

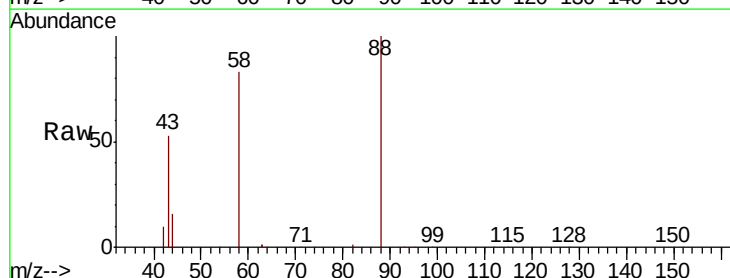
Tgt Ion: 88 Resp: 63392

Ion Ratio Lower Upper

88 100

58 75.7 60.7 91.1

43 37.6 27.4 41.2

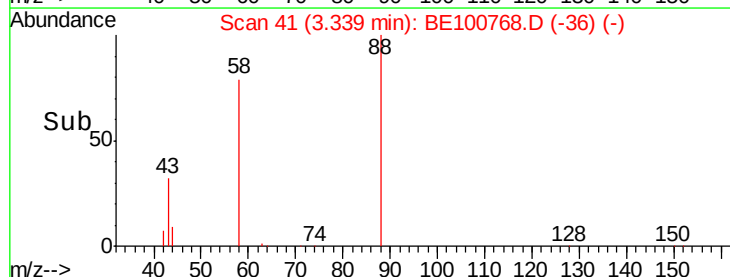
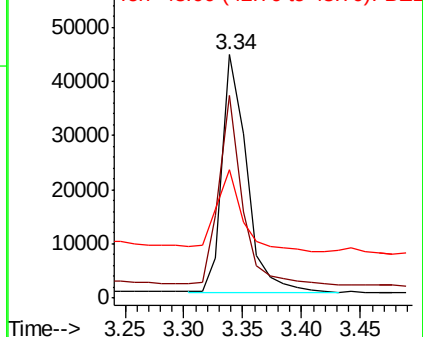


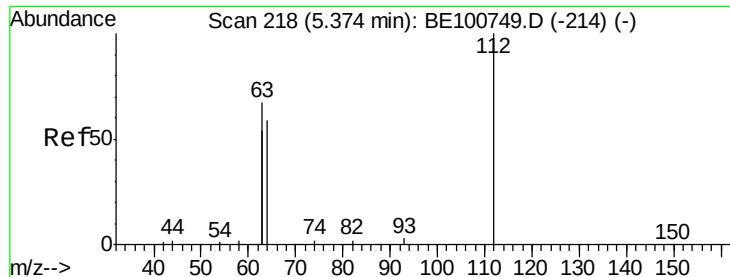
Abundance

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





#4

2-Fluorophenol

Concen: 0.179 ng

RT: 5.38 min Scan# 218

Delta R.T. 0.00 min

Lab File: BE100768.D

Acq: 22 Nov 2019 21:26

Instrument :

BNA_E

ClientSampleId :

HF-104S

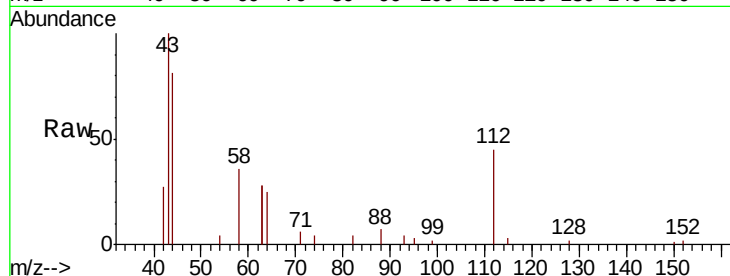
Tot Ion: 112 Resp: 3297

Ion Ratio Lower Upper

112 100

64 59.6 54.3 81.5

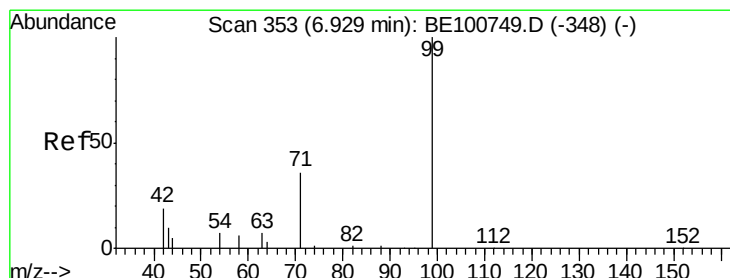
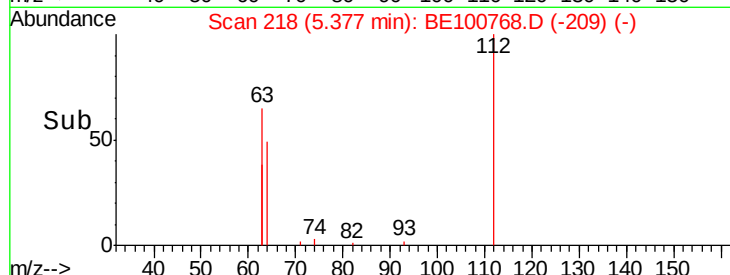
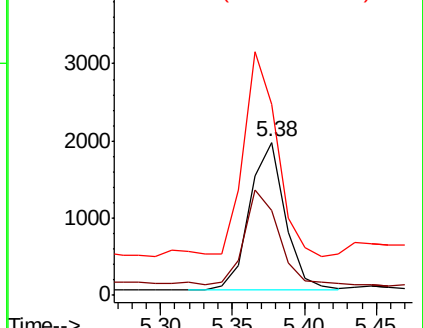
63 133.2 114.0 171.0



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: 0.108 ng

RT: 6.93 min Scan# 353

Delta R.T. 0.00 min

Lab File: BE100768.D

Acq: 22 Nov 2019 21:26

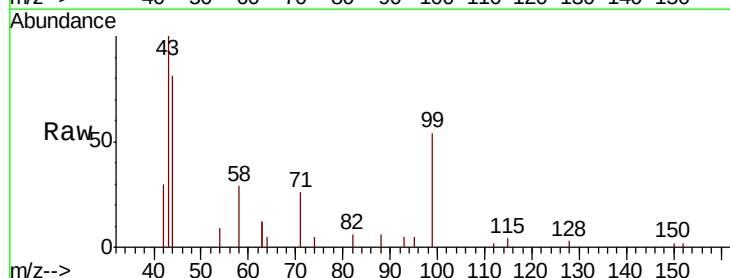
Tgt Ion: 99 Resp: 2875

Ion Ratio Lower Upper

99 100

42 45.4 17.9 26.9#

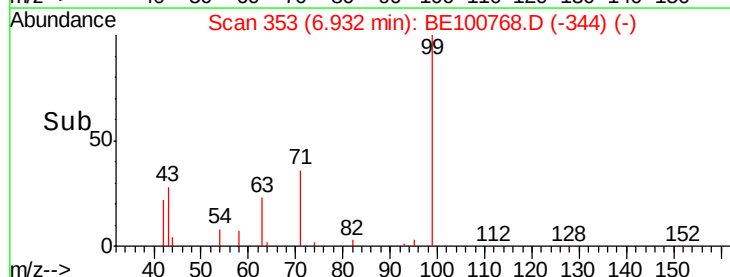
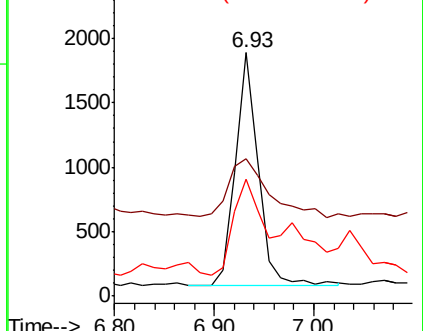
71 57.5 29.3 43.9#

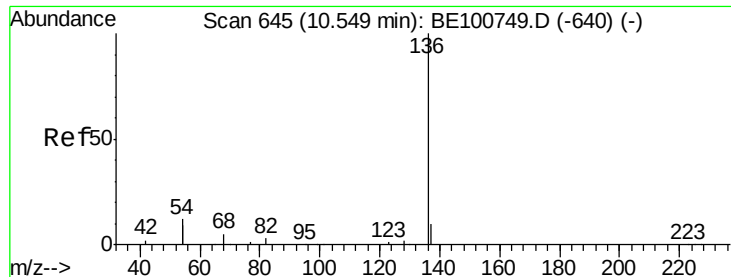


Abundance Ion 99.00 (98.70 to 99.70): BE1

Ion 42.00 (41.70 to 42.70): BE1

Ion 71.00 (70.70 to 71.70): BE1





#7

Naphthalene-d8

Concen: 0.400 ng

RT: 10.55 min Scan# 645

Delta R.T. -0.00 min

Lab File: BE100768.D

Acq: 22 Nov 2019 21:26

Instrument :

BNA_E

ClientSampleId :

HF-104S

Tot Ion:136 Resp: 31583

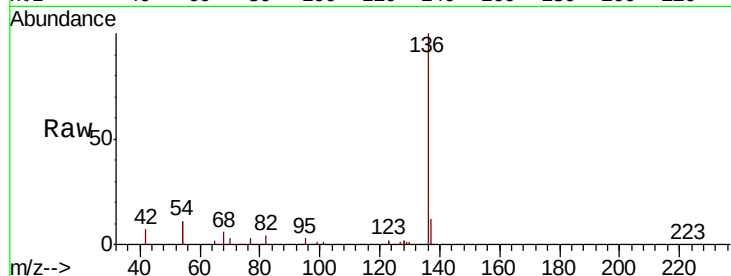
Ion Ratio Lower Upper

136 100

137 11.6 8.6 12.8

54 22.6 19.4 29.0

68 6.3 4.6 6.8

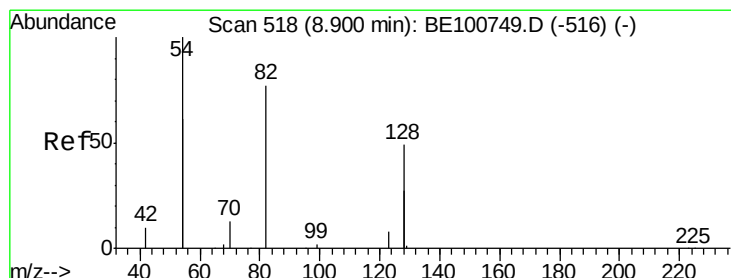
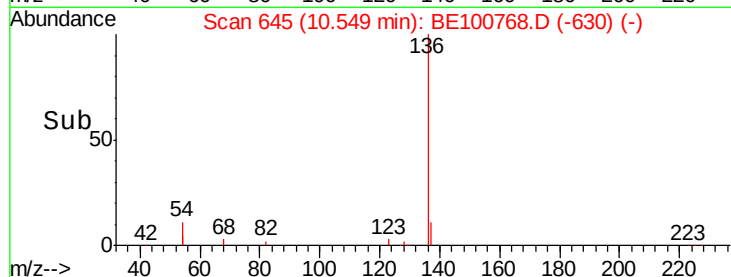
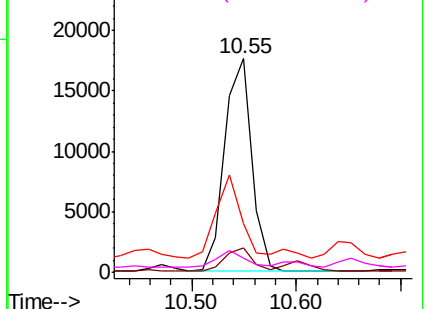


Abundance Ion 136.00 (135.70 to 136.70): E

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: 0.847 ng

RT: 8.90 min Scan# 518

Delta R.T. -0.00 min

Lab File: BE100768.D

Acq: 22 Nov 2019 21:26

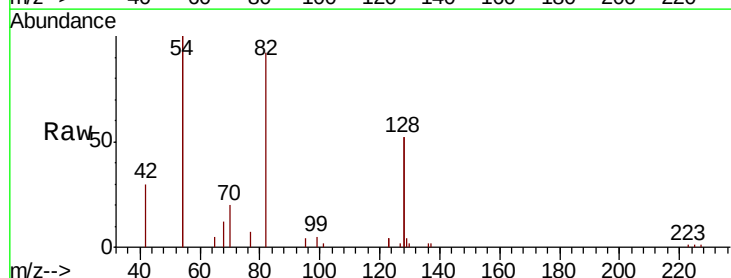
Tgt Ion: 82 Resp: 8575

Ion Ratio Lower Upper

82 100

128 113.3 90.2 135.4

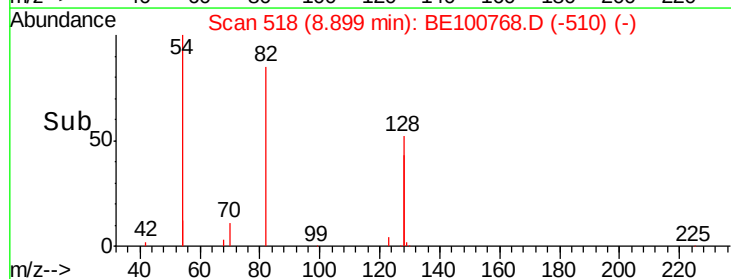
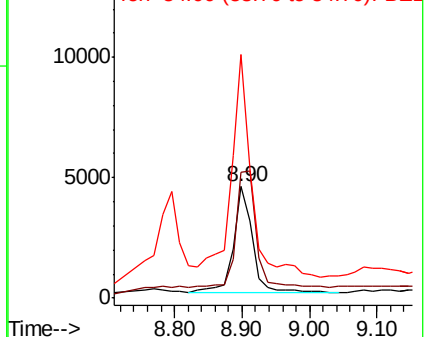
54 218.5 186.0 279.0

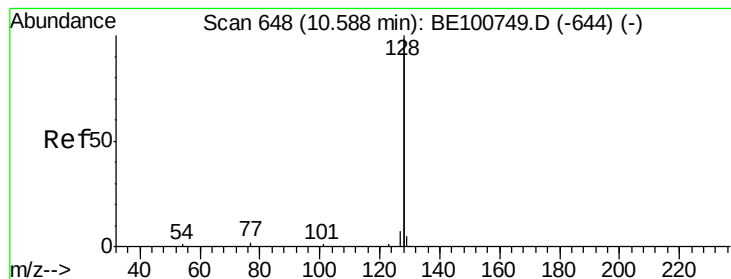


Abundance Ion 82.00 (81.70 to 82.70): BE1

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BE1





#9

Naphthalene

Concen: 0.051 ng

RT: 10.59 min Scan# 648

Delta R.T. -0.00 min

Lab File: BE100768.D

Acq: 22 Nov 2019 21:26

Instrument :

BNA_E

ClientSampleId :

HF-104S

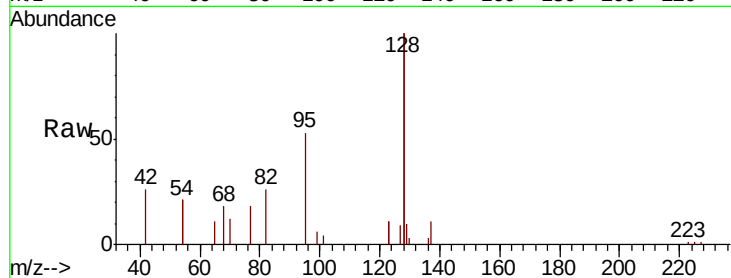
Tot Ion:128 Resp: 17198

Ion Ratio Lower Upper

128 100

129 4.9 2.3 3.5#

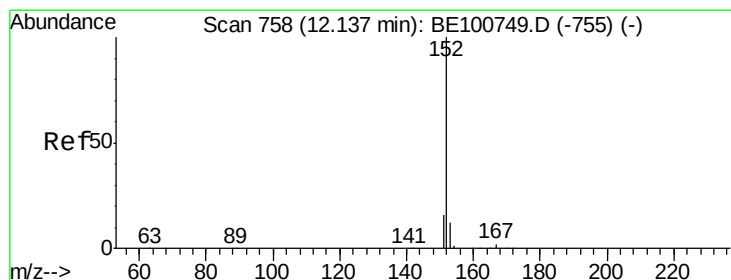
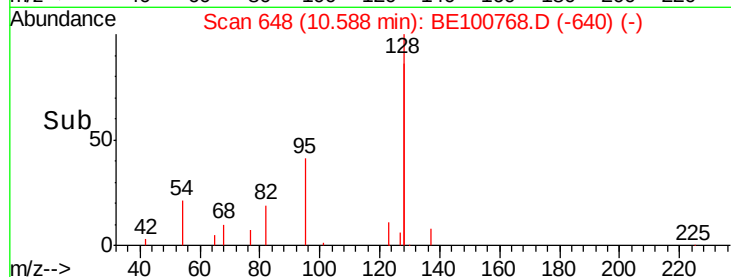
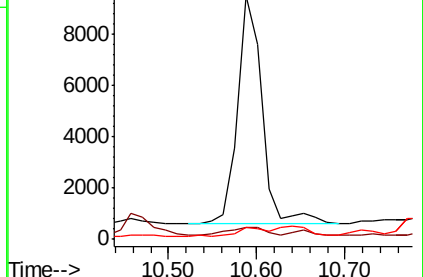
127 4.7 2.7 4.1#



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



#11

2-Methylnaphthalene-d10

Concen: 0.386 ng

RT: 12.14 min Scan# 758

Delta R.T. -0.00 min

Lab File: BE100768.D

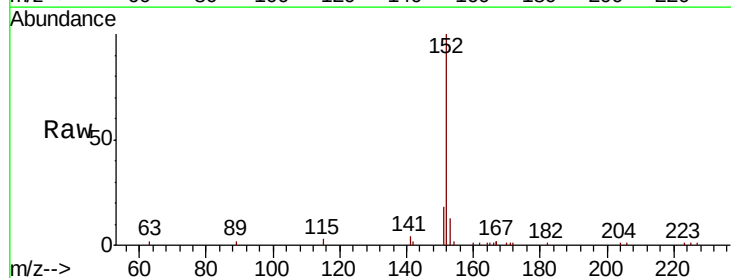
Acq: 22 Nov 2019 21:26

Tgt Ion:152 Resp: 17859

Ion Ratio Lower Upper

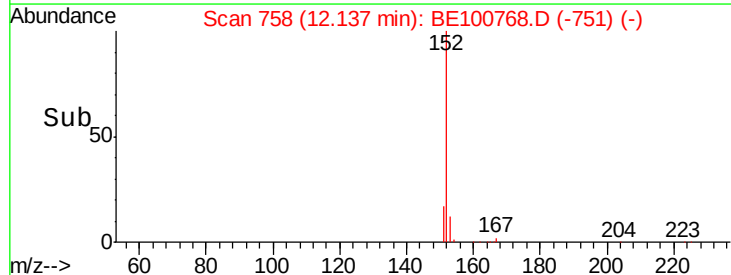
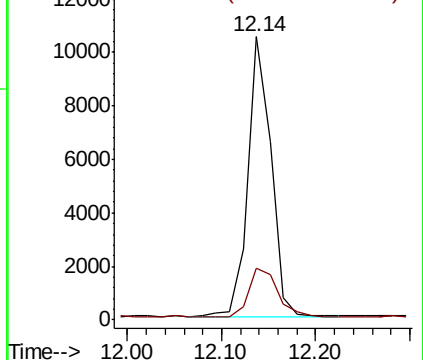
152 100

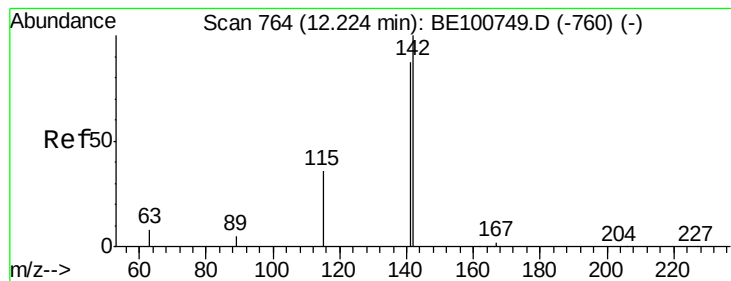
151 22.6 15.8 23.8



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E





#12

2-Methylnaphthalene

Concen: 0.028 ng

RT: 12.21 min Scan# 763

Delta R.T. -0.01 min

Lab File: BE100768.D

Acq: 22 Nov 2019 21:26

Instrument :

BNA_E

ClientSampled :

HF-104S

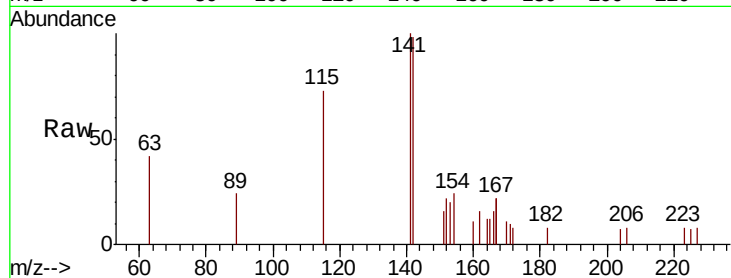
Tot Ion:142 Resp: 1475

Ion Ratio Lower Upper

142 100

141 102.4 69.9 104.9

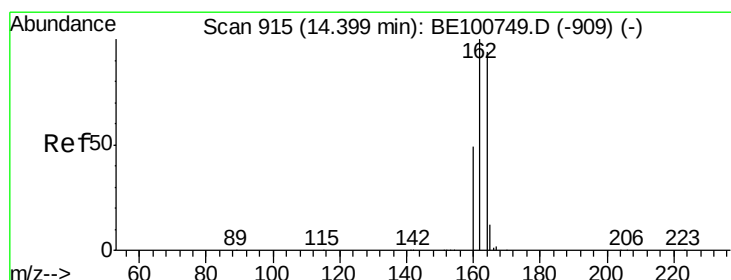
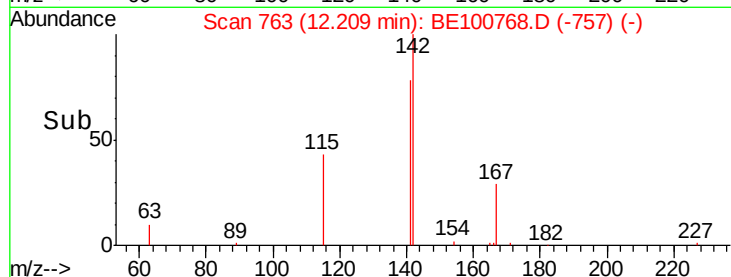
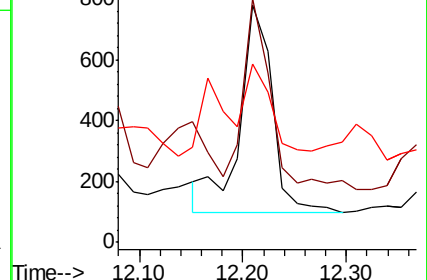
115 75.2 29.5 44.3#



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: 14.40 min Scan# 915

Delta R.T. -0.00 min

Lab File: BE100768.D

Acq: 22 Nov 2019 21:26

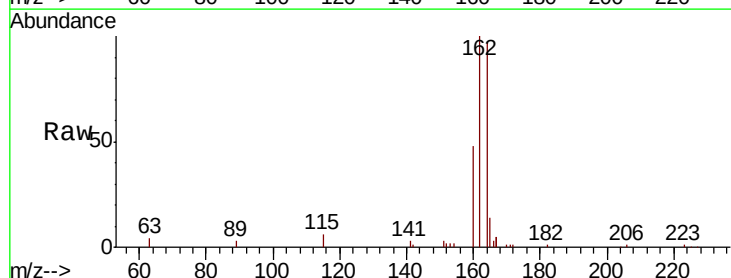
Tgt Ion:164 Resp: 20343

Ion Ratio Lower Upper

164 100

162 103.3 84.8 127.2

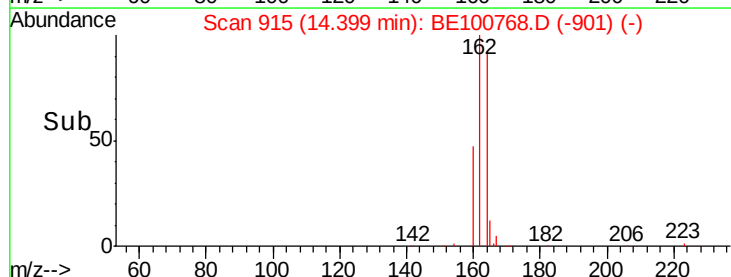
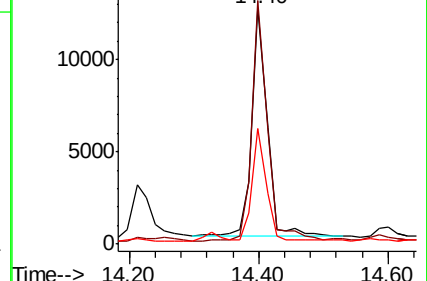
160 49.3 42.3 63.5

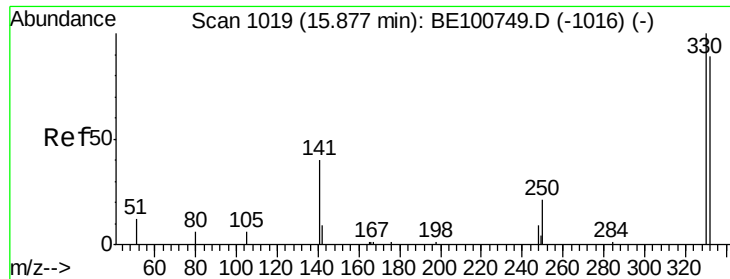


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E





#14

2,4,6-Tribromophenol

Concen: 1.015 ng

RT: 15.88 min Scan# 1019

Delta R.T. 0.00 min

Lab File: BE100768.D

Acq: 22 Nov 2019 21:26

Instrument :

BNA_E

ClientSampled :

HF-104S

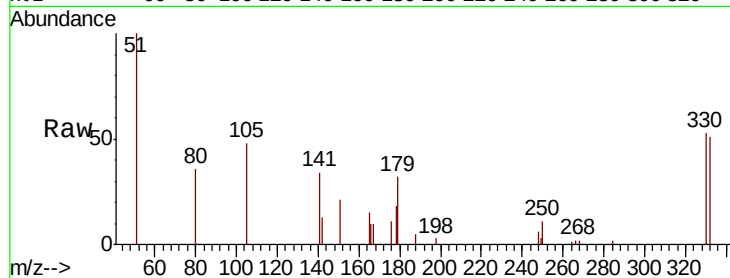
Tot Ion:330 Resp: 2911

Ion Ratio Lower Upper

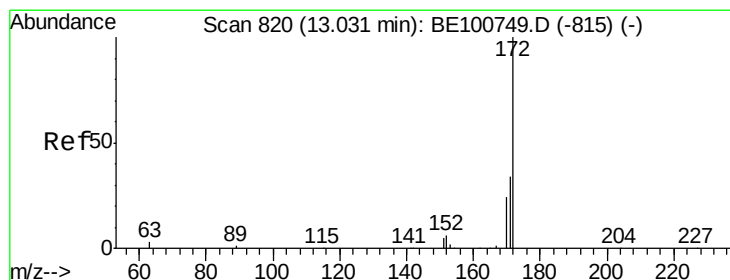
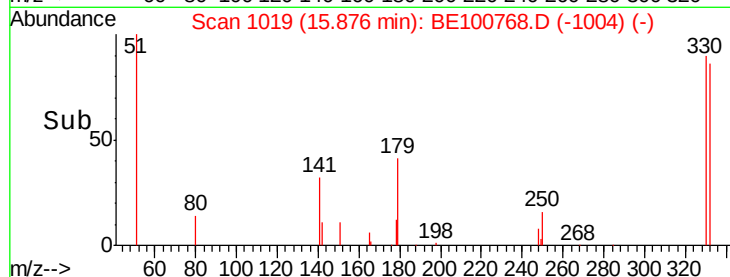
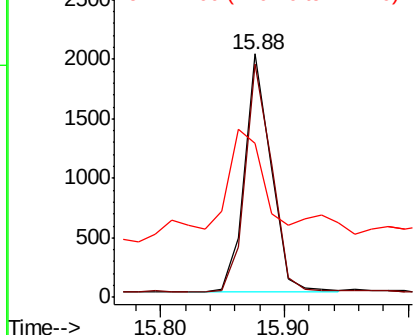
330 100

332 99.0 79.3 118.9

141 79.1 43.8 65.6#



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: 0.318 ng

RT: 13.03 min Scan# 820

Delta R.T. -0.00 min

Lab File: BE100768.D

Acq: 22 Nov 2019 21:26

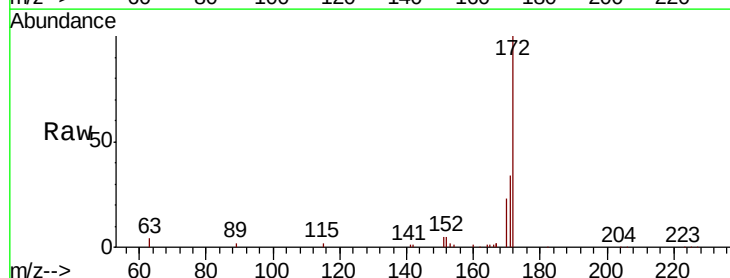
Tgt Ion:172 Resp: 25105

Ion Ratio Lower Upper

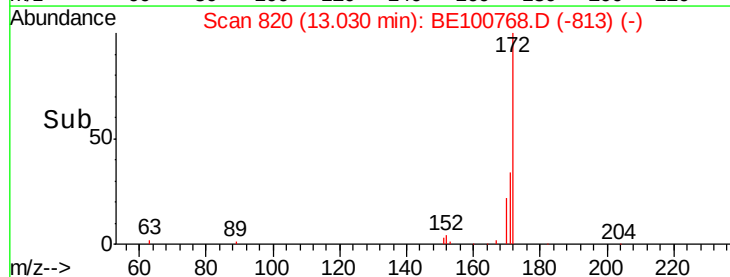
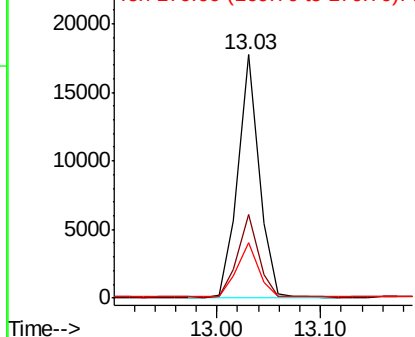
172 100

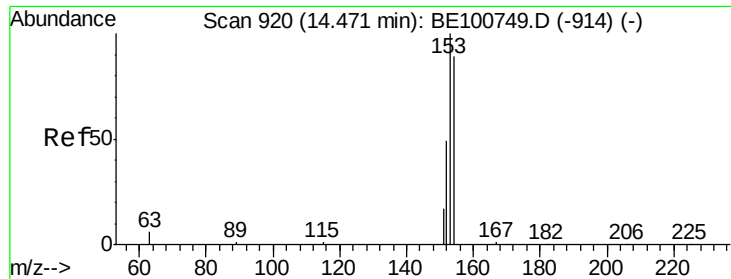
171 34.3 27.8 41.6

170 22.9 19.4 29.2



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

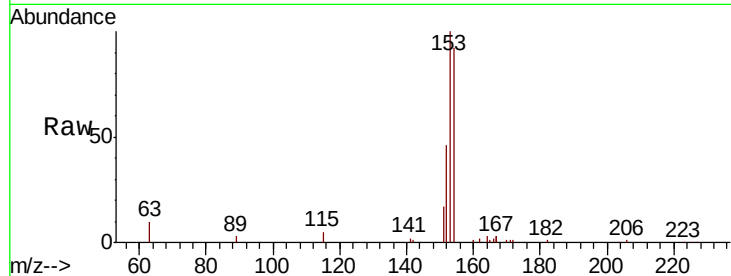




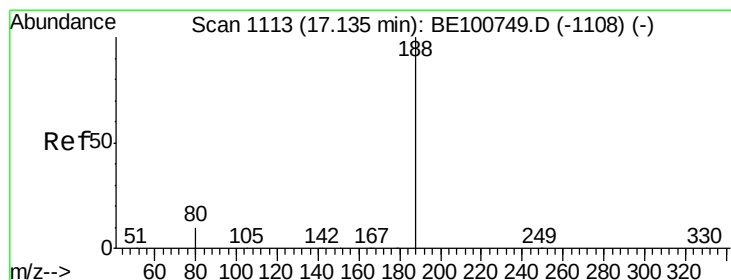
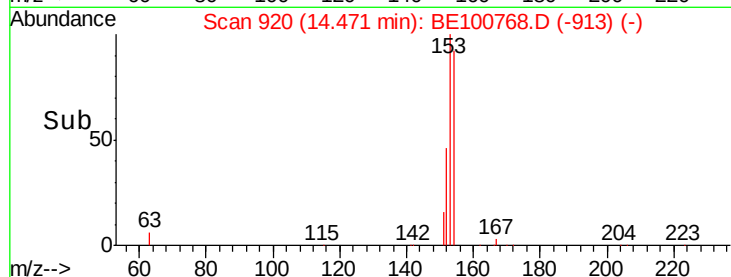
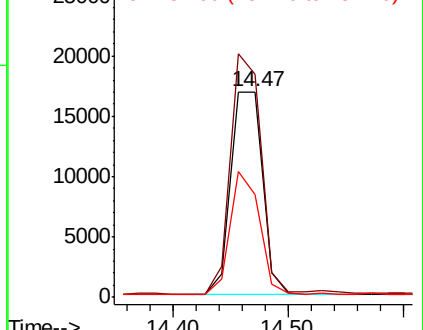
#17
Acenaphthene
Concen: 0.550 ng
RT: 14.47 min Scan# 920
Delta R.T. -0.00 min
Lab File: BE100768.D
Acq: 22 Nov 2019 21:26

Instrument :
BNA_E
ClientSampled :
HF-104S

Tot Ion:154 Resp: 32318
Ion Ratio Lower Upper
154 100
153 113.8 91.6 137.4
152 55.7 47.0 70.6

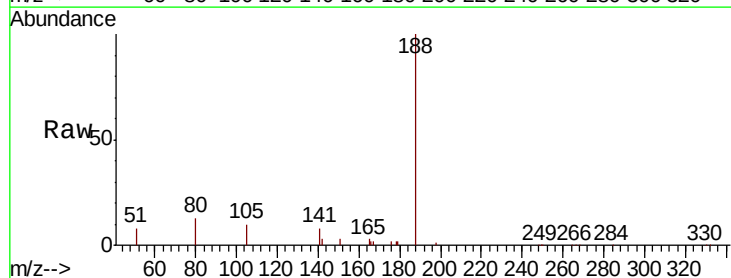


Abundance Ion 154.00 (153.70 to 154.70): E
Ion 153.00 (152.70 to 153.70): E
Ion 152.00 (151.70 to 152.70): E

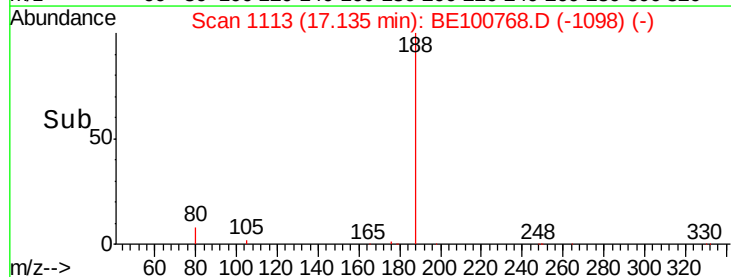
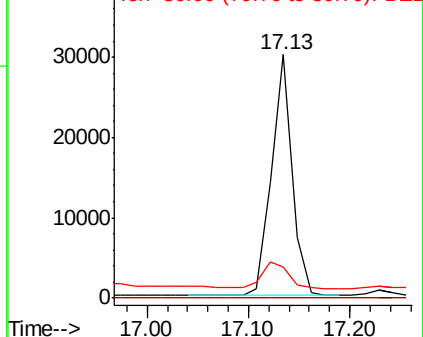


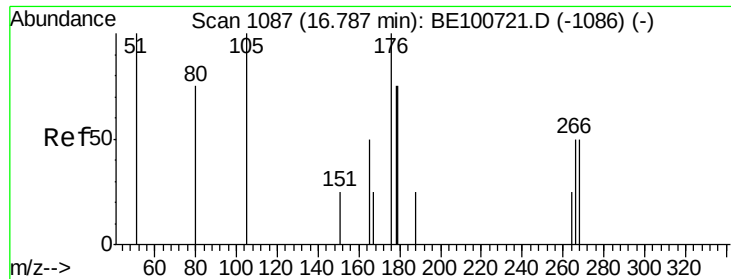
#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.13 min Scan# 1113
Delta R.T. -0.00 min
Lab File: BE100768.D
Acq: 22 Nov 2019 21:26

Tgt Ion:188 Resp: 42375
Ion Ratio Lower Upper
188 100
94 0.0 0.0 0.0
80 13.0 8.2 12.2#



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





#22

Pentachlorophenol

Concen: 0.068 ng

RT: 16.79 min Scan# 1087

Delta R.T. -0.00 min

Lab File: BE100768.D

Acq: 22 Nov 2019 21:26

Instrument :

BNA_E

ClientSampled :

HF-104S

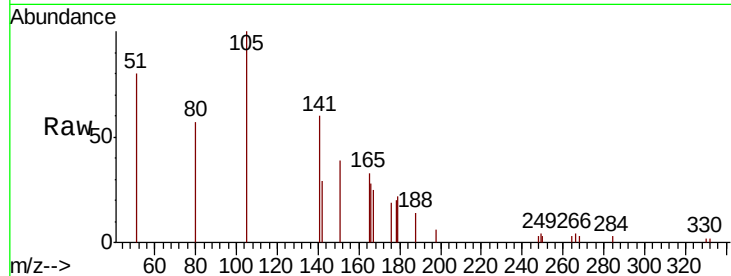
Tot Ion:266 Resp: 47

Ion Ratio Lower Upper

266 100

264 85.9 54.6 82.0#

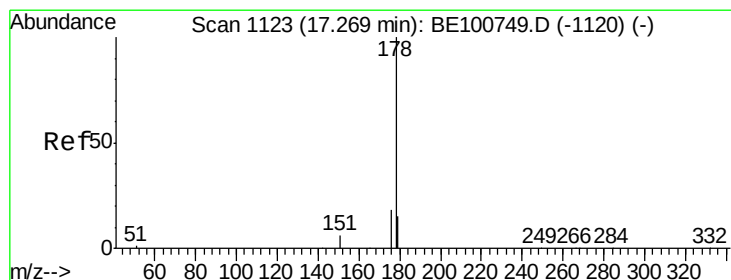
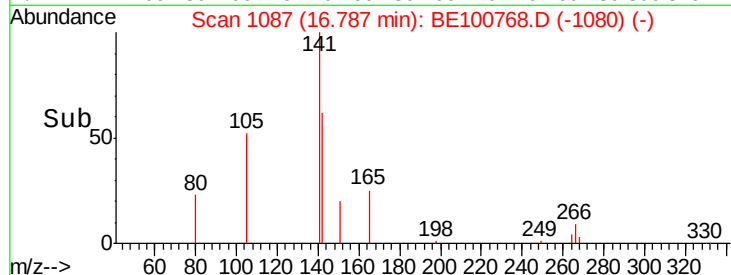
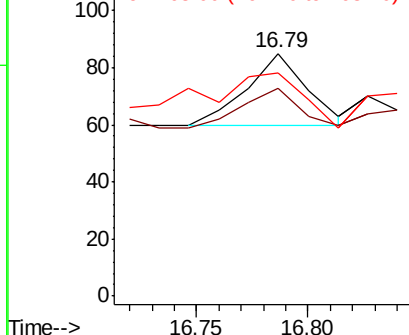
268 91.8 52.6 78.8#



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



#24

Anthracene

Concen: 0.053 ng

RT: 17.27 min Scan# 1123

Delta R.T. -0.00 min

Lab File: BE100768.D

Acq: 22 Nov 2019 21:26

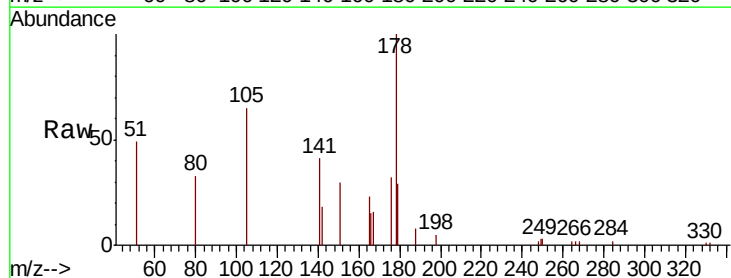
Tgt Ion:178 Resp: 5789

Ion Ratio Lower Upper

178 100

176 19.7 14.9 22.3

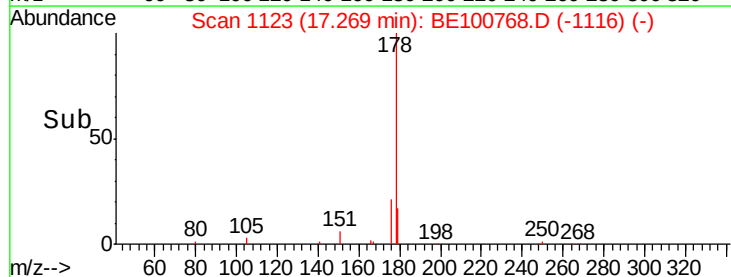
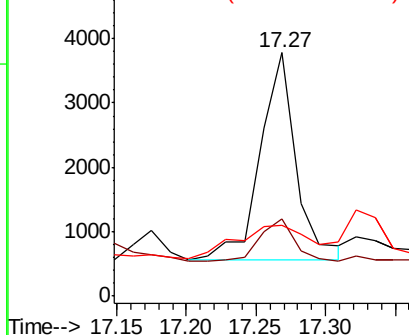
179 32.3 12.2 18.4#

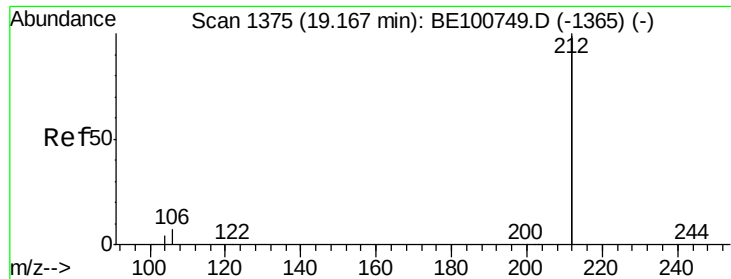


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#25

Fluoranthene-d10

Concen: 0.386 ng

RT: 19.17 min Scan# 1375

Delta R.T. 0.00 min

Lab File: BE100768.D

Acq: 22 Nov 2019 21:26

Instrument :

BNA_E

ClientSampleId :

HF-104S

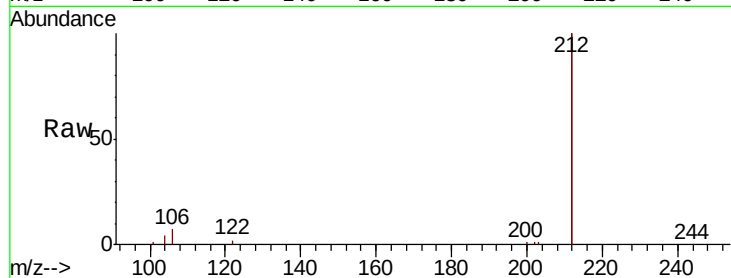
Tot Ion:212 Resp: 200406

Ion Ratio Lower Upper

212 100

106 3.5 2.6 4.0

104 2.1 1.5 2.3

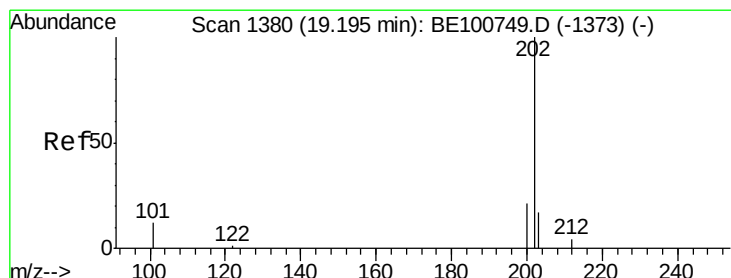
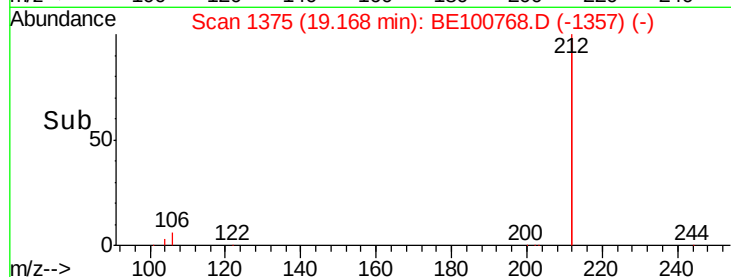
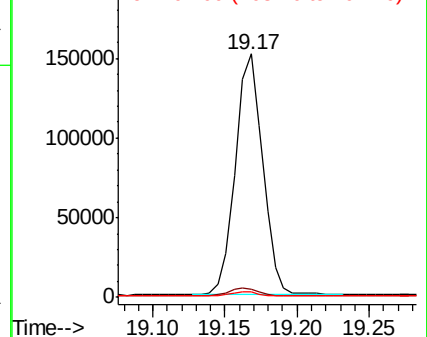


Abundance

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: 0.175 ng

RT: 19.20 min Scan# 1380

Delta R.T. 0.00 min

Lab File: BE100768.D

Acq: 22 Nov 2019 21:26

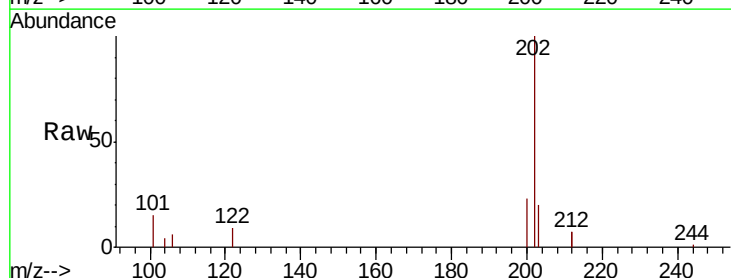
Tgt Ion:202 Resp: 27291

Ion Ratio Lower Upper

202 100

101 16.1 9.2 13.8#

203 17.0 13.8 20.8

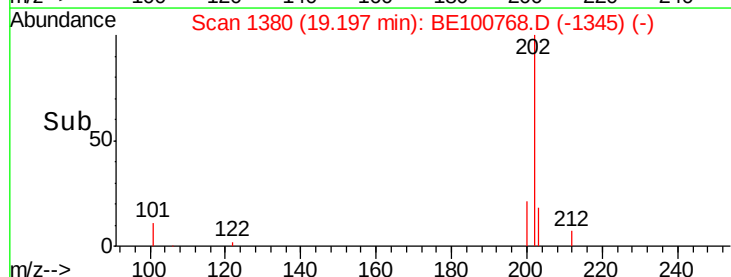
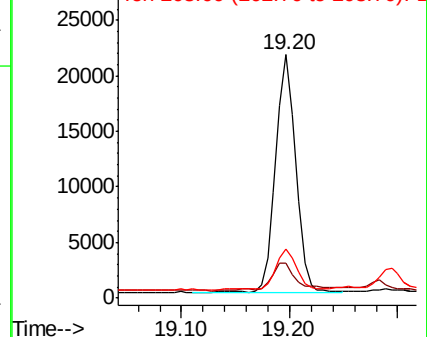


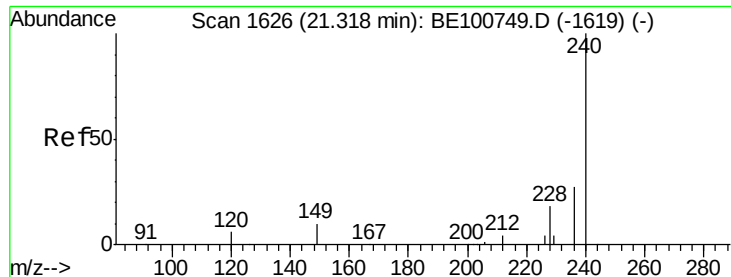
Abundance

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

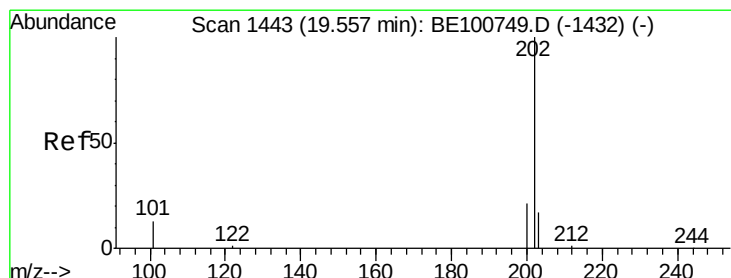
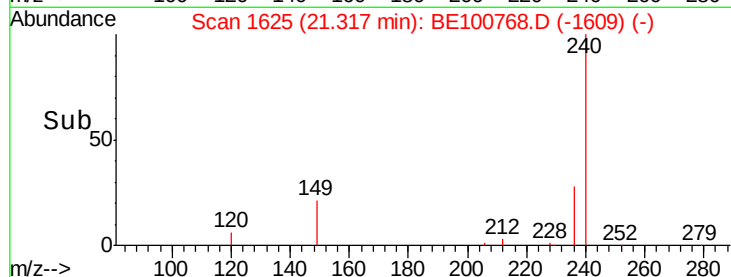
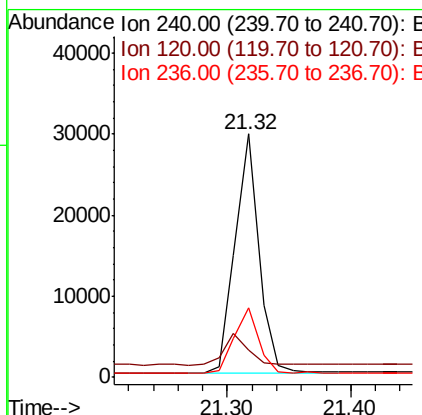
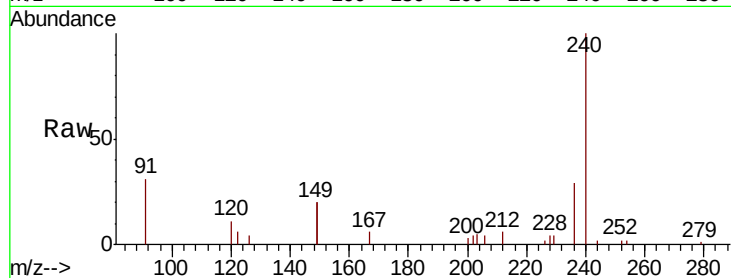




#27
Chrysene-d12
Concen: 0.400 ng
RT: 21.32 min Scan# 1625
Delta R.T. -0.00 min
Lab File: BE100768.D
Acq: 22 Nov 2019 21:26

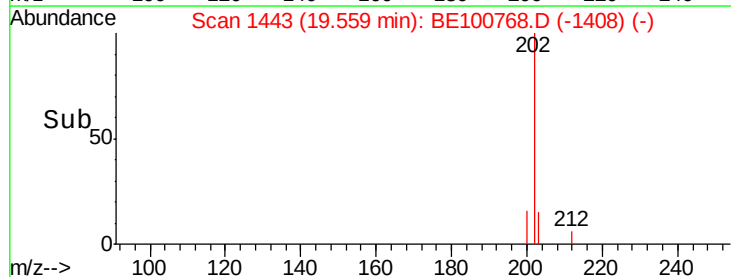
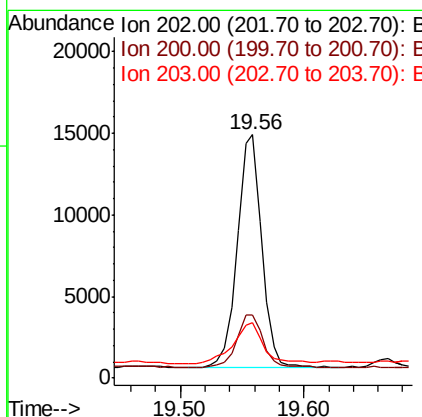
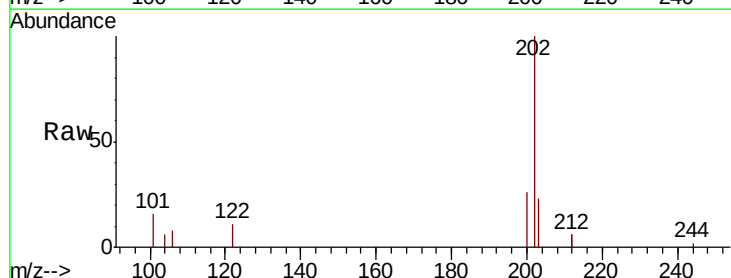
Instrument :
BNA_E
ClientSampleId :
HF-104S

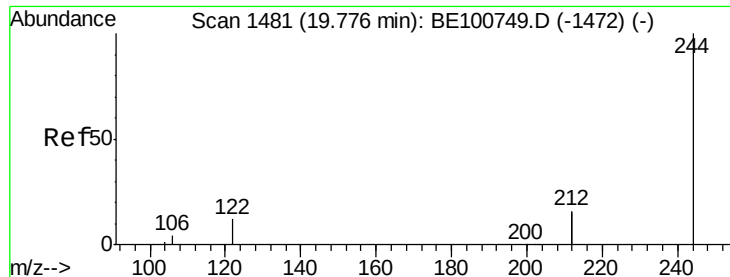
Tot Ion:240 Resp: 39712
Ion Ratio Lower Upper
240 100
120 11.2 5.8 8.8#
236 28.7 21.9 32.9



#28
Pyrene
Concen: 0.160 ng
RT: 19.56 min Scan# 1443
Delta R.T. 0.00 min
Lab File: BE100768.D
Acq: 22 Nov 2019 21:26

Tgt Ion:202 Resp: 19627
Ion Ratio Lower Upper
202 100
200 25.9 16.6 24.8#
203 21.9 14.0 21.0#





#29

Terphenyl-d14

Concen: 0.441 ng

RT: 19.77 min Scan# 1480

Delta R.T. -0.00 min

Lab File: BE100768.D

Acq: 22 Nov 2019 21:26

Instrument :

BNA_E

ClientSampleId :

HF-104S

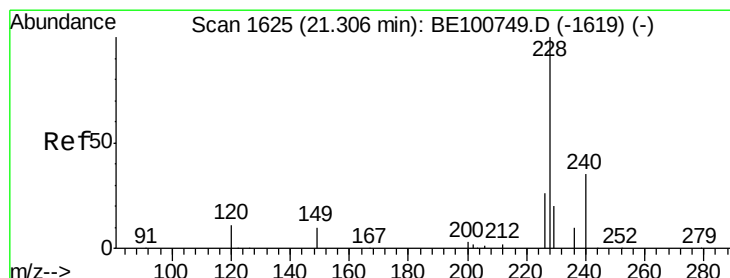
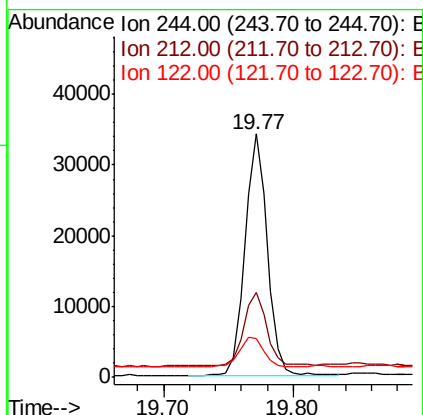
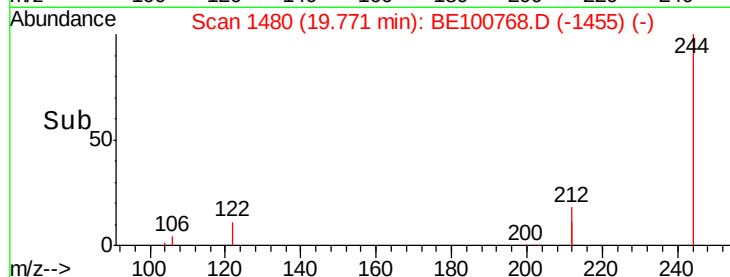
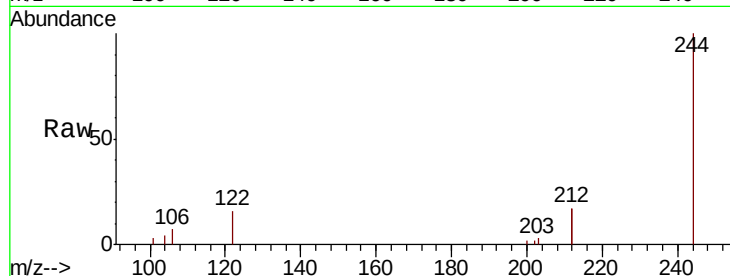
Tot Ion:244 Resp: 40320

Ion Ratio Lower Upper

244 100

212 34.7 25.2 37.8

122 15.7 9.8 14.6#



#30

Benzo(a)anthracene

Concen: 0.022 ng

RT: 21.30 min Scan# 1624

Delta R.T. -0.00 min

Lab File: BE100768.D

Acq: 22 Nov 2019 21:26

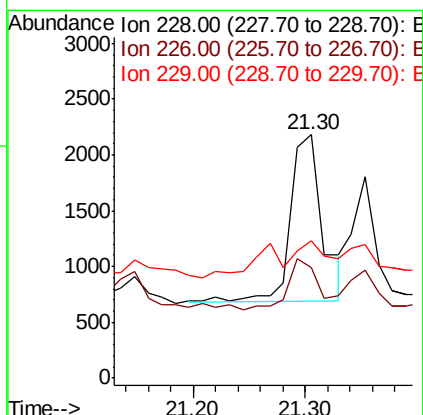
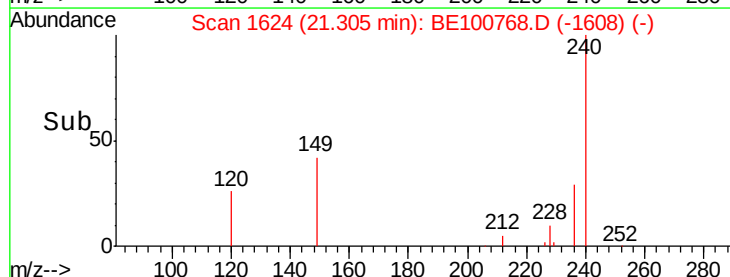
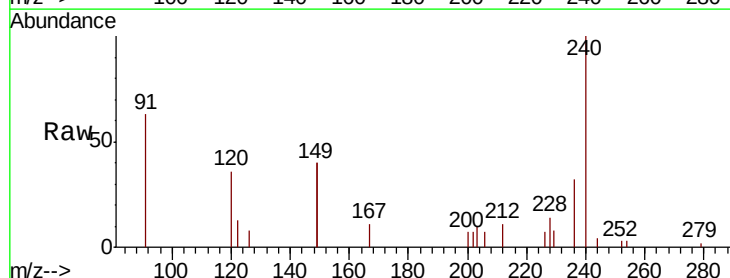
Tgt Ion:228 Resp: 2968

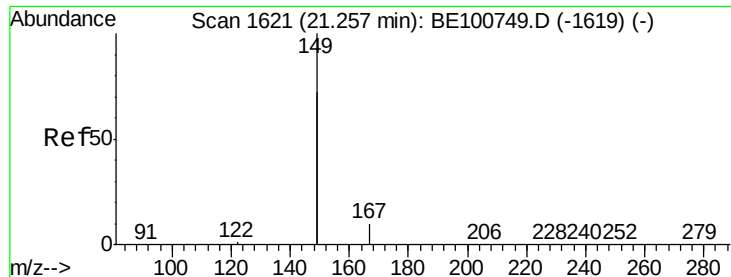
Ion Ratio Lower Upper

228 100

226 45.4 20.7 31.1#

229 56.5 16.2 24.2#





#32

Bis(2-ethylhexyl)phthalate

Concen: 0.123 ng

RT: 21.26 min Scan# 1620

Delta R.T. -0.00 min

Lab File: BE100768.D

Acq: 22 Nov 2019 21:26

Instrument :

BNA_E

ClientSampleId :

HF-104S

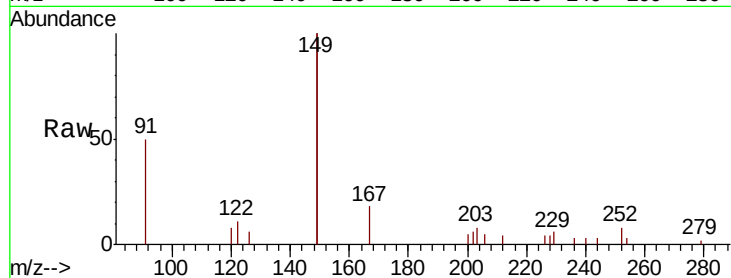
Tot Ion:149 Resp: 29230

Ion Ratio Lower Upper

149 100

167 8.1 5.5 8.3

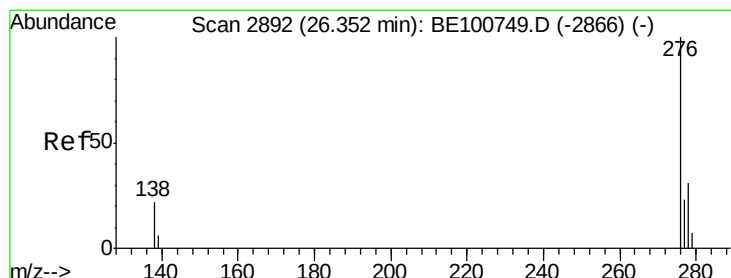
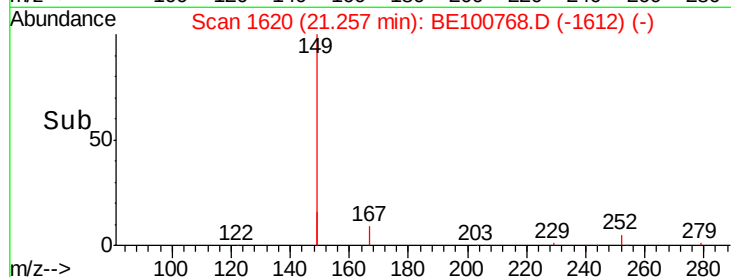
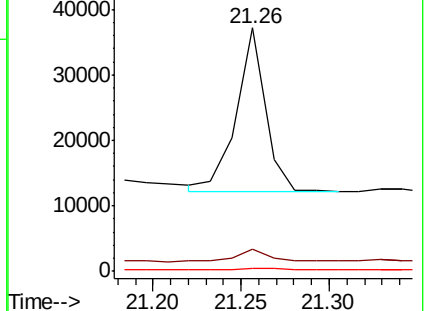
279 1.2 0.7 1.1#



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: 0.039 ng

RT: 26.34 min Scan# 2888

Delta R.T. -0.01 min

Lab File: BE100768.D

Acq: 22 Nov 2019 21:26

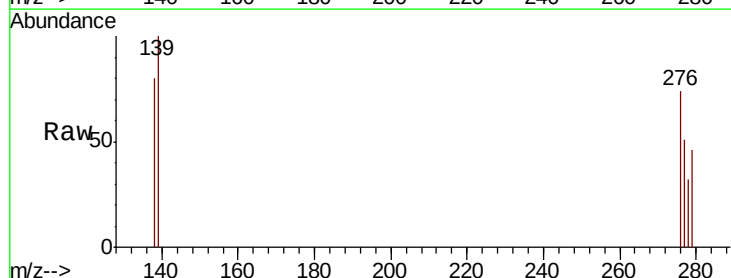
Tgt Ion:276 Resp: 286

Ion Ratio Lower Upper

276 100

138 26.6 19.8 29.6

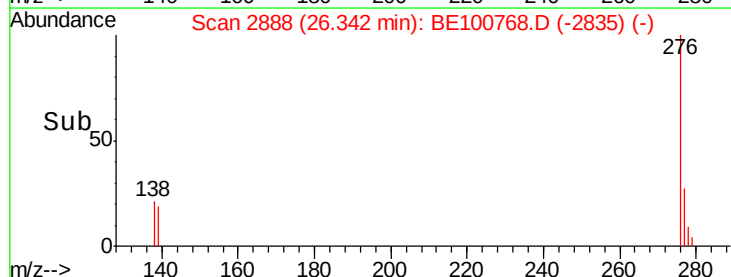
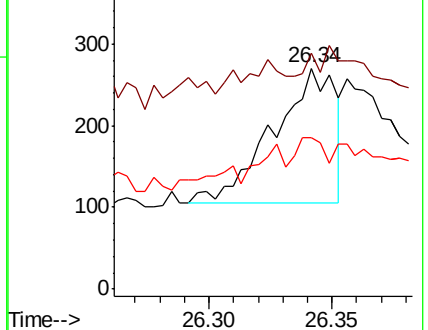
277 8.7 19.7 29.5#

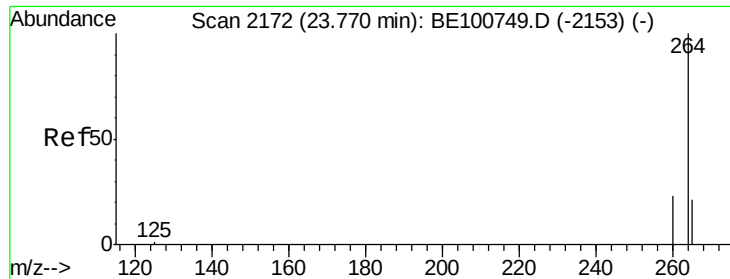


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E

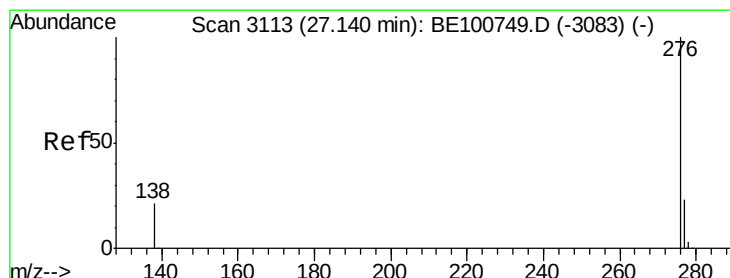
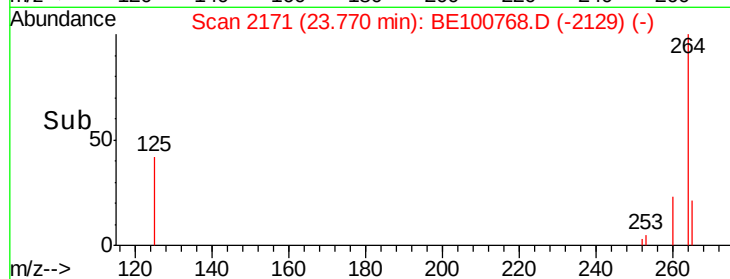
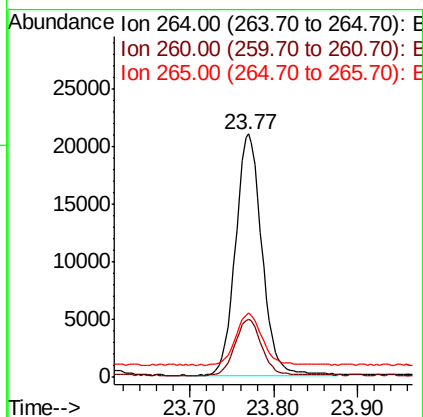
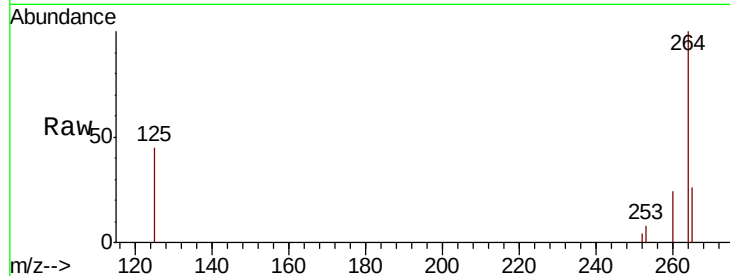




#34
 Pervlene-d12
 Concen: 0.400 ng
 RT: 23.77 min Scan# 2171
 Delta R.T. -0.00 min
 Lab File: BE100768.D
 Acq: 22 Nov 2019 21:26

Instrument :
 BNA_E
 ClientSampled :
 HF-104S

Tot Ion:264 Resp: 45766
 Ion Ratio Lower Upper
 264 100
 260 24.0 18.7 28.1
 265 26.2 22.4 33.6



#39
 Benzo(g,h,i)perylene
 Concen: 0.027 ng
 RT: 27.13 min Scan# 3110
 Delta R.T. -0.01 min
 Lab File: BE100768.D
 Acq: 22 Nov 2019 21:26

Tgt Ion:276 Resp: 652
 Ion Ratio Lower Upper
 276 100
 277 52.2 18.9 28.3#
 138 96.9 17.8 26.8#

