

Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE102319\
 Data File : BE100671.D
 Acq On : 23 Oct 2019 20:58
 Operator : JU
 Sample : K5486-03
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :

Quant Time: Oct 24 01:34:38 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA E\METHODS\8270-SIM-BE101019.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Oct 23 16:49:33 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.85	152	3170	0.40	ng	0.00
7) Naphthalene-d8	10.63	136	13051	0.40	ng	0.00
13) Acenaphthene-d10	14.47	164	8078	0.40	ng	0.00
19) Phenanthrene-d10	17.19	188	19906	0.40	ng	-0.01
27) Chrysene-d12	21.35	240	29091	0.40	ng	0.00
34) Perylene-d12	23.83	264	33651	0.40	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Fluorophenol	5.44	112	2403	0.25	ng	0.00
5) Phenol-d6	7.01	99	2171	0.16	ng	0.00
8) Nitrobenzene-d5	8.99	82	3889	0.48	ng	0.00
11) 2-Methylnaphthalene-d10	12.22	152	7745	0.38	ng	0.00
14) 2,4,6-Tribromophenol	15.94	330	1280	0.60	ng	0.00
15) 2-Fluorobiphenyl	13.10	172	10984	0.37	ng	0.00
25) Fluoranthene-d10	19.22	212	111073	0.43	ng	0.00
29) Terphenyl-d14	19.82	244	25834	0.41	ng	0.00

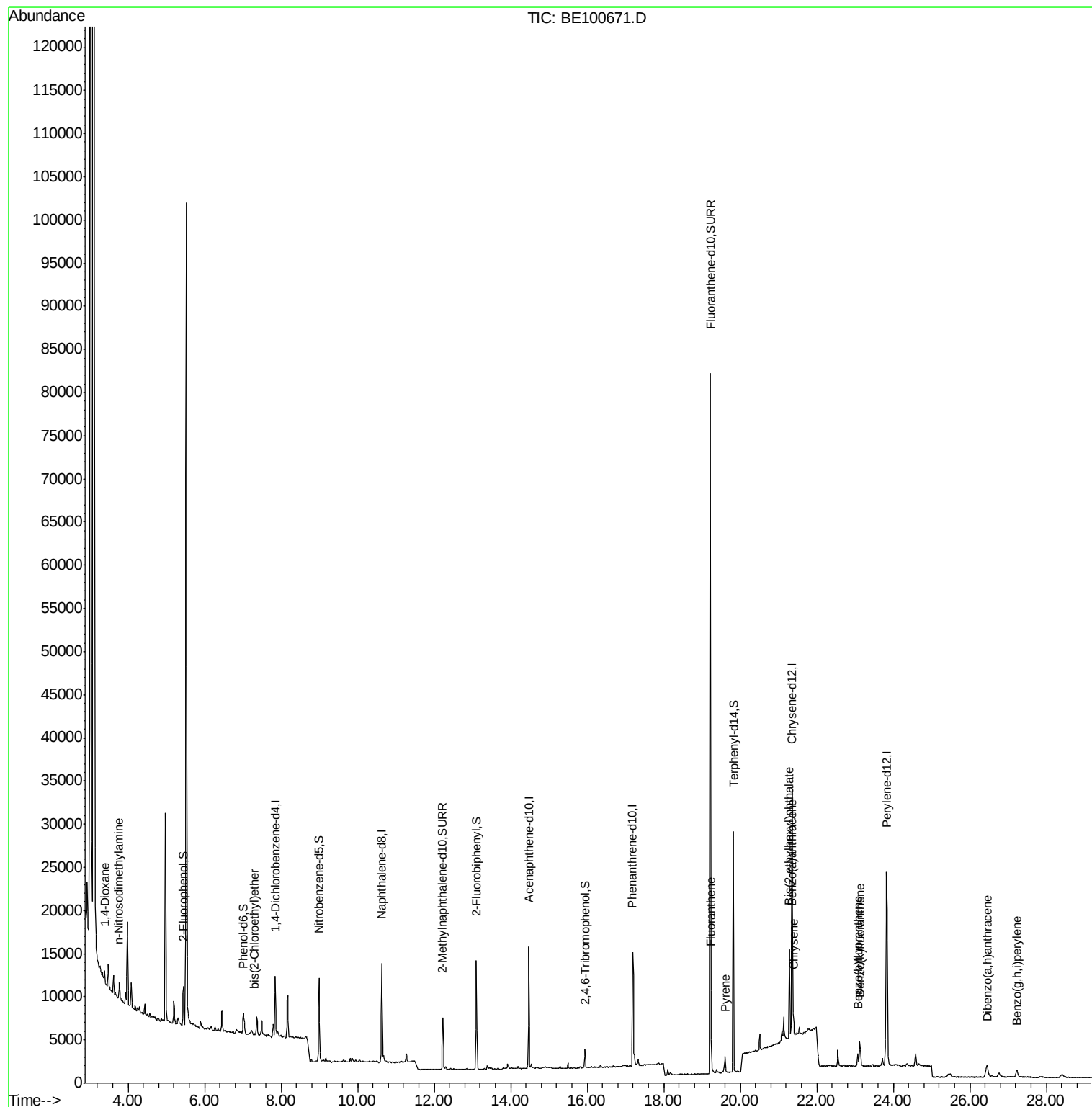
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) 1,4-Dioxane	3.38	88	1022	0.181	ng	# 66
3) n-Nitrosodimethylamine	3.76	42	174	0.029	ng	# 1
6) bis(2-Chloroethyl)ether	7.30	93	258	0.023	ng	# 1
26) Fluoranthene	19.24	202	1773	0.025	ng	# 94
28) Pyrene	19.60	202	1796	0.022	ng	# 96
30) Benzo(a)anthracene	21.34	228	2010	0.021	ng	# 87
31) Chrysene	21.39	228	1913	0.020	ng	# 89
32) Bis(2-ethylhexyl)phthalate	21.28	149	14470	0.073	ng	# 99
35) Benzo(b)fluoranthene	23.07	252	2141	0.022	ng	# 61
36) Benzo(k)fluoranthene	23.12	252	2328	0.023	ng	# 1
38) Dibenzo(a,h)anthracene	26.46	278	1963	0.021	ng	# 61
39) Benzo(g,h,i)perylene	27.23	276	1948	0.021	ng	# 71

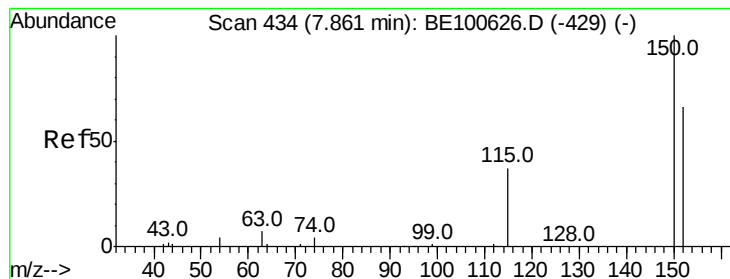
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 0.400 ng

RT: 7.85 min Scan# 433

Delta R.T. 0.00 min

Lab File: BE100671.D

Acq: 23 Oct 2019 20:58

Instrument :

BNA_E

ClientSampleId :

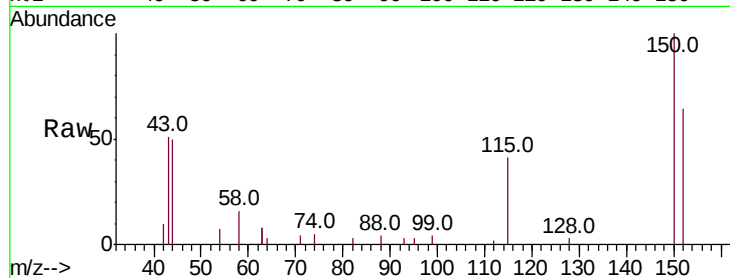
Tot Ion:152 Resp: 3170

Ion Ratio Lower Upper

152 100

150 155.9 123.3 184.9

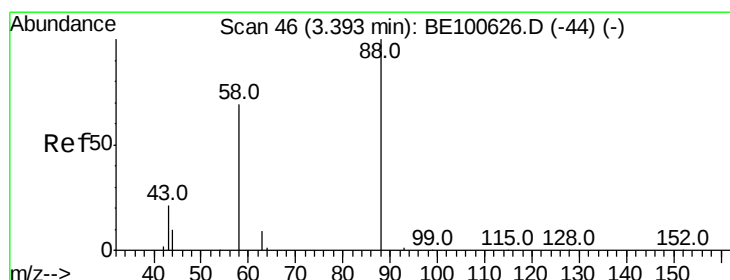
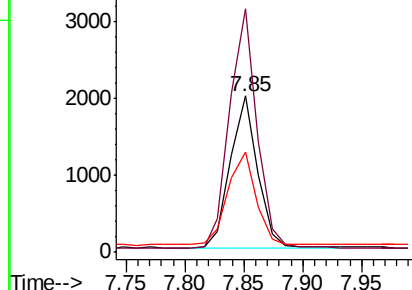
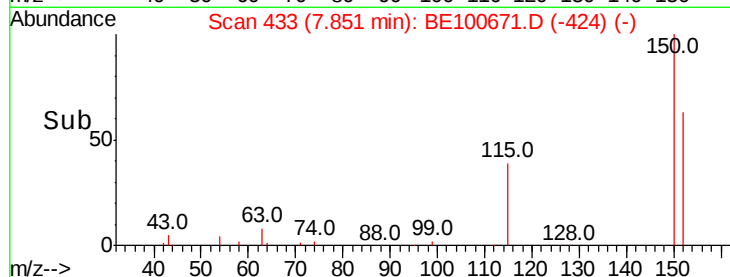
115 64.2 51.9 77.9



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: 0.181 ng

RT: 3.38 min Scan# 45

Delta R.T. 0.00 min

Lab File: BE100671.D

Acq: 23 Oct 2019 20:58

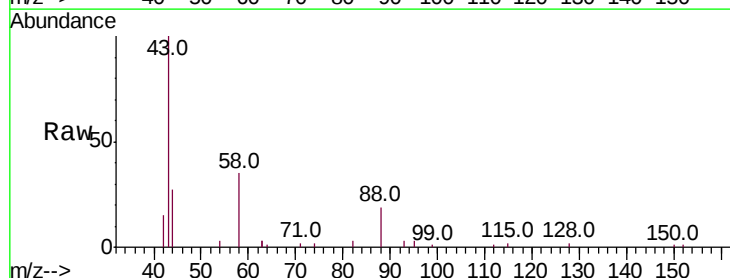
Tgt Ion: 88 Resp: 1022

Ion Ratio Lower Upper

88 100

58 96.0 59.8 89.6#

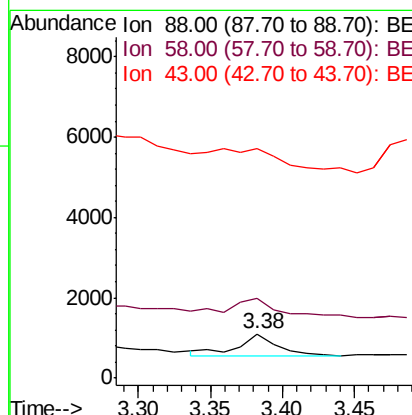
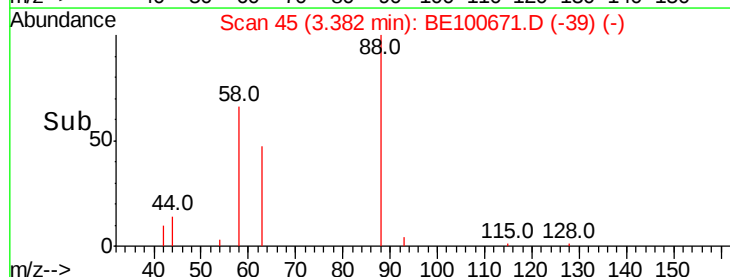
43 0.0 24.6 36.8#

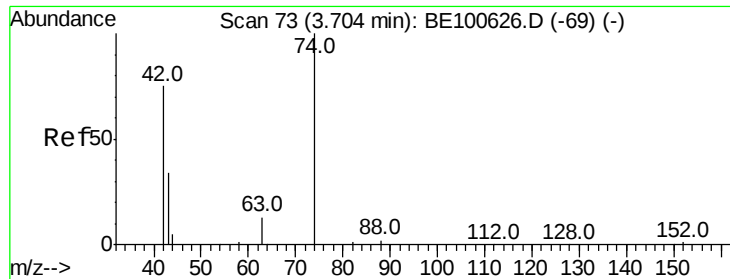


Abundance Ion 88.00 (87.70 to 88.70): BE1

Ion 58.00 (57.70 to 58.70): BE1

Ion 43.00 (42.70 to 43.70): BE1





#3

n-Nitrosodimethylamine

Concen: 0.029 ng

RT: 3.76 min Scan# 78

Delta R.T. 0.07 min

Lab File: BE100671.D

Acq: 23 Oct 2019 20:58

Instrument :

BNA_E

ClientSampleId :

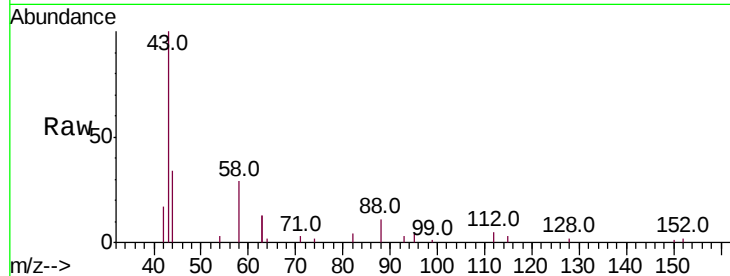
Tot Ion: 42 Resp: 174

Ion Ratio Lower Upper

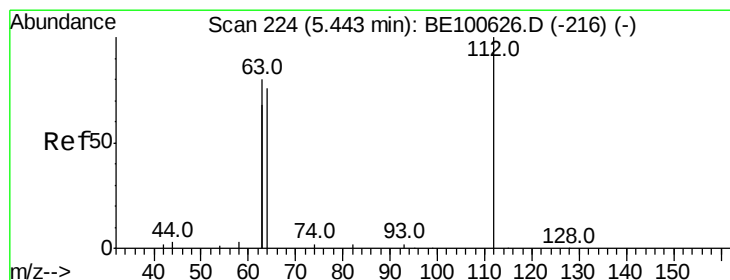
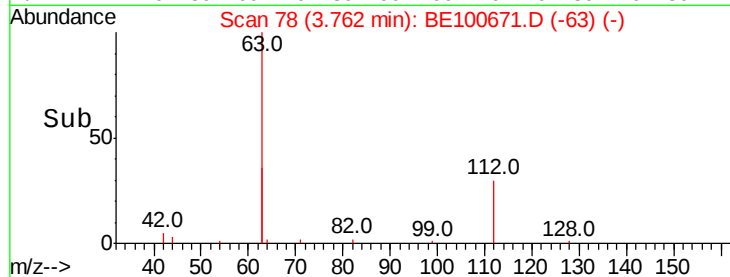
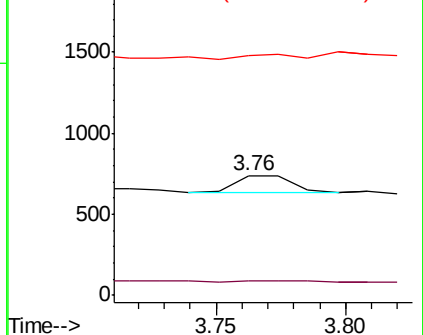
42 100

74 0.0 97.2 145.8#

44 0.0 16.6 24.8#



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: 0.245 ng

RT: 5.44 min Scan# 224

Delta R.T. 0.00 min

Lab File: BE100671.D

Acq: 23 Oct 2019 20:58

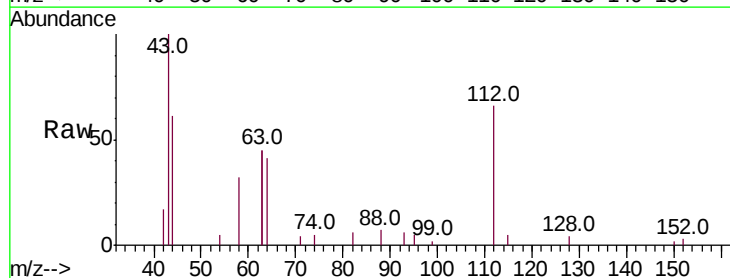
Tgt Ion: 112 Resp: 2403

Ion Ratio Lower Upper

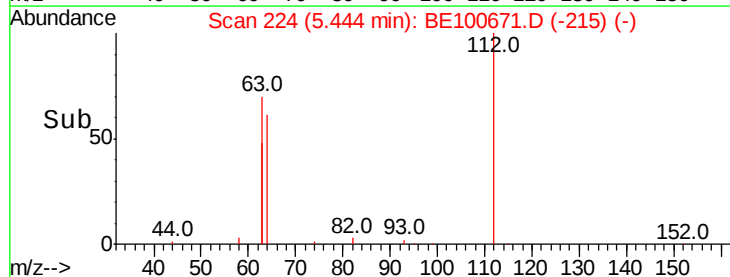
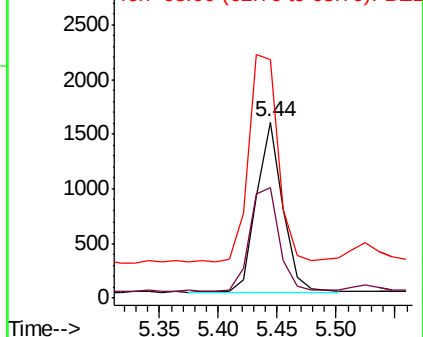
112 100

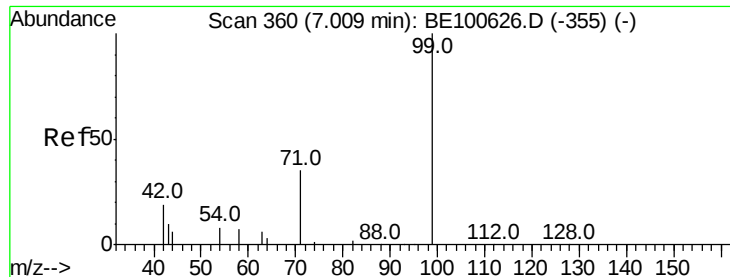
64 69.6 55.4 83.2

63 136.9 114.2 171.4



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: 0.157 ng

RT: 7.01 min Scan# 360

Delta R.T. 0.00 min

Lab File: BE100671.D

Acq: 23 Oct 2019 20:58

Instrument :

BNA_E

ClientSampleId :

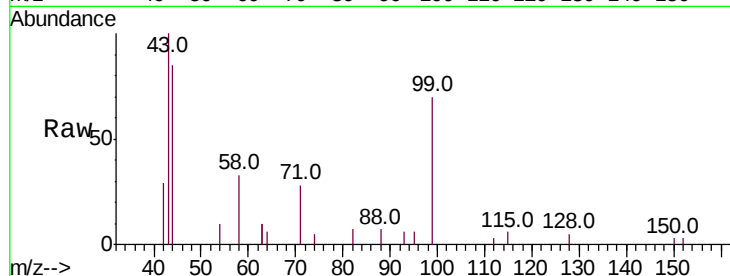
Tot Ion: 99 Resp: 2171

Ion Ratio Lower Upper

99 100

42 25.1 17.7 26.5

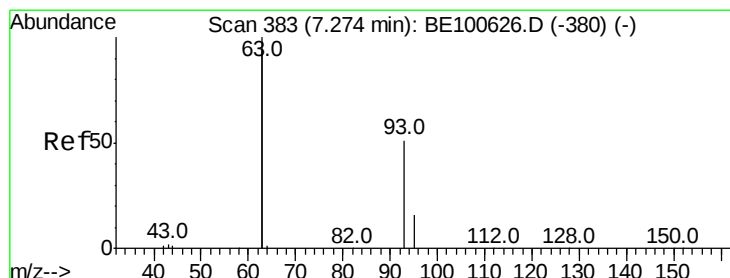
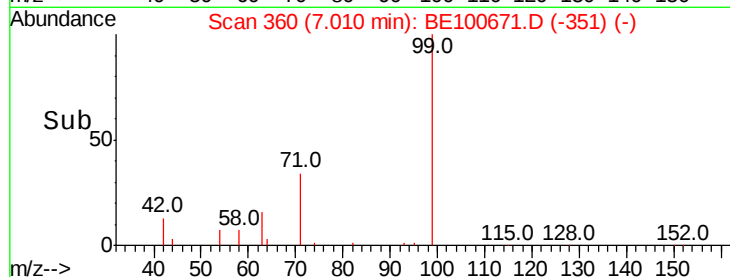
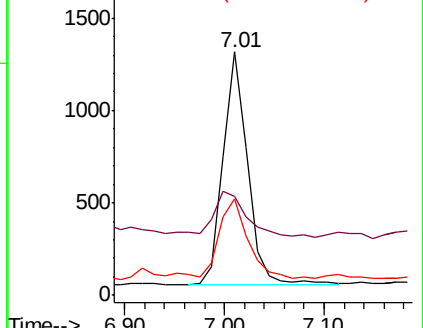
71 38.9 27.4 41.0



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: 0.023 ng

RT: 7.30 min Scan# 385

Delta R.T. 0.02 min

Lab File: BE100671.D

Acq: 23 Oct 2019 20:58

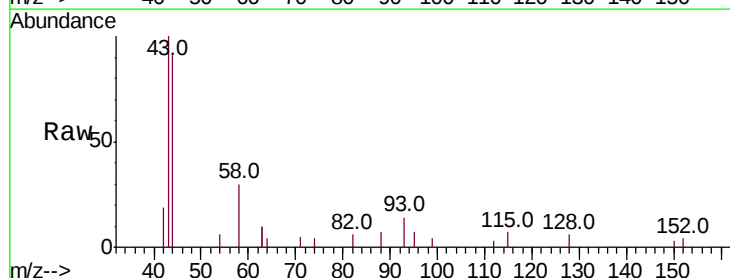
Tgt Ion: 93 Resp: 258

Ion Ratio Lower Upper

93 100

63 0.0 268.8 403.2#

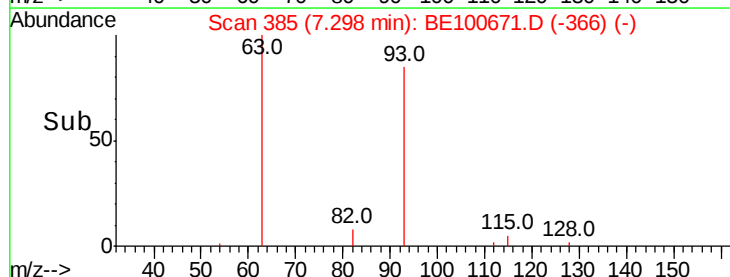
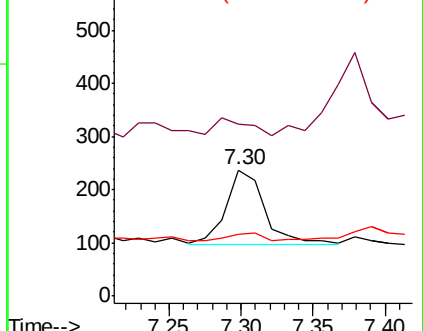
95 8.9 25.6 38.4#

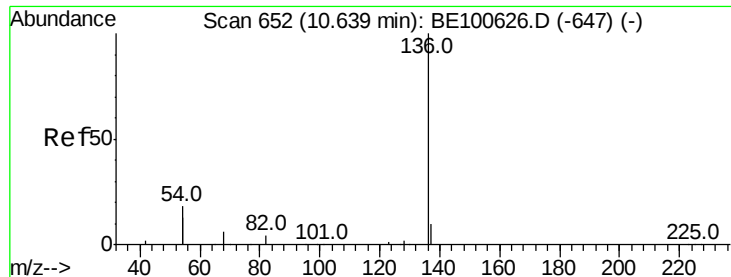


Abundance Ion 93.00 (92.70 to 93.70): BE1

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: 10.63 min Scan# 651

Delta R.T. -0.00 min

Lab File: BE100671.D

Acq: 23 Oct 2019 20:58

Instrument :

BNA_E

ClientSampleId :

Tot Ion:136 Resp: 13051

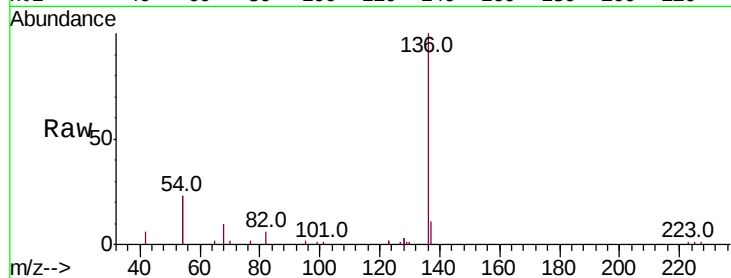
Ion Ratio Lower Upper

136 100

137 11.3 9.2 13.8

54 47.0 39.4 59.2

68 9.6 8.0 12.0

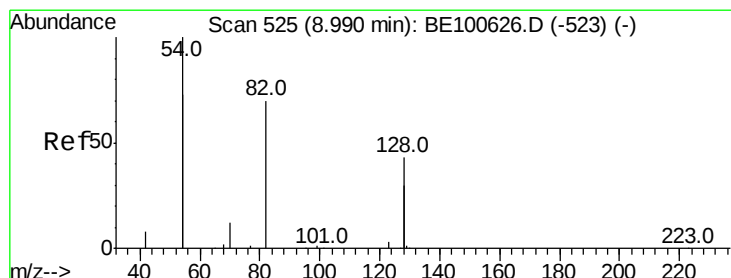
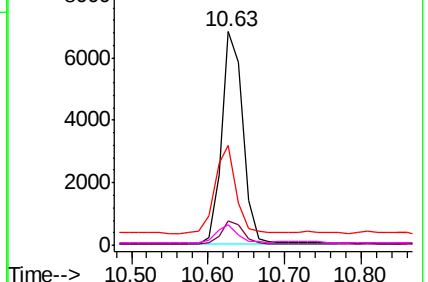
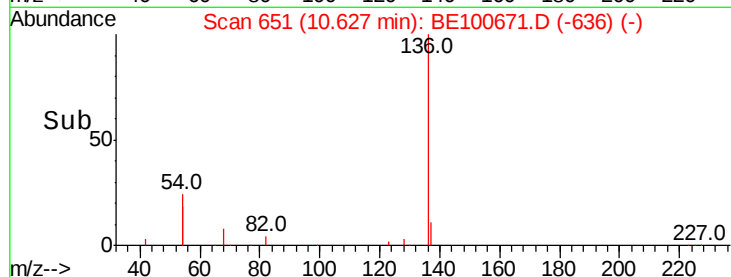


Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BE1

Ion 68.00 (67.70 to 68.70): BE1



#8

Nitrobenzene-d5

Concen: 0.481 ng

RT: 8.99 min Scan# 525

Delta R.T. -0.00 min

Lab File: BE100671.D

Acq: 23 Oct 2019 20:58

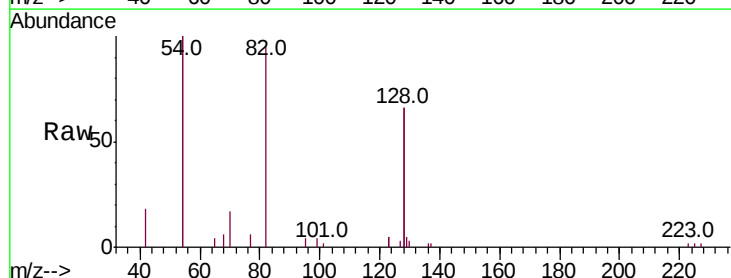
Tgt Ion: 82 Resp: 3889

Ion Ratio Lower Upper

82 100

128 138.0 107.8 161.8

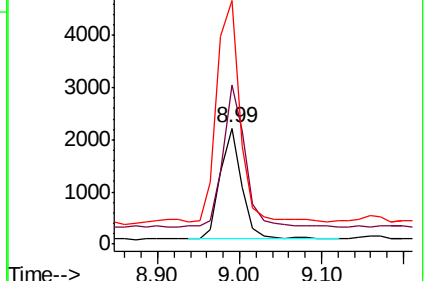
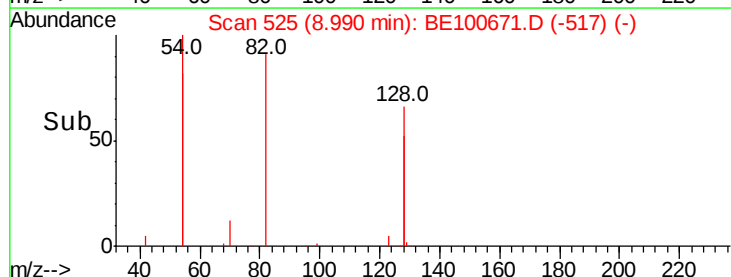
54 210.3 166.1 249.1

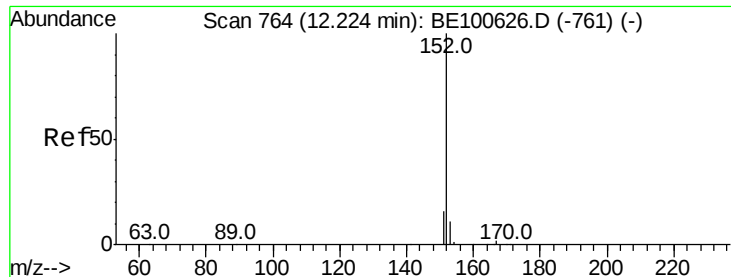


Abundance Ion 82.00 (81.70 to 82.70): BE1

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BE1

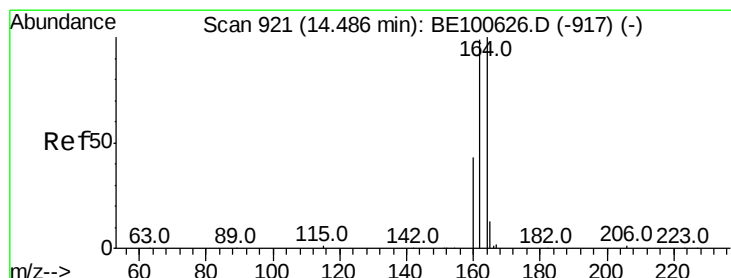
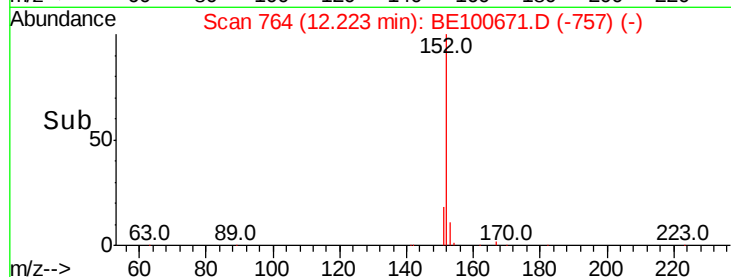
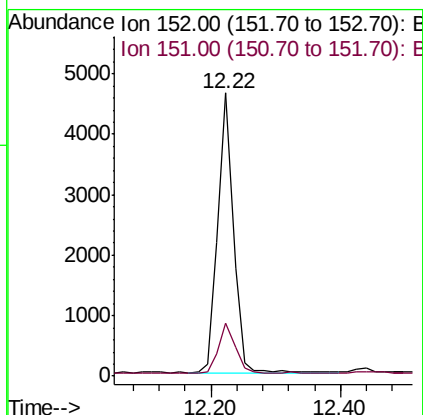
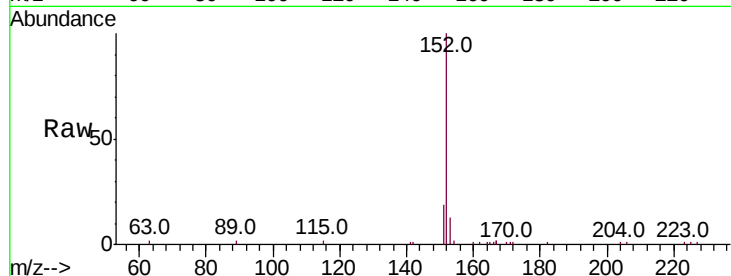




#11
2-Methylnaphthalene-d10
Concen: 0.376 ng
RT: 12.22 min Scan# 764
Delta R.T. -0.00 min
Lab File: BE100671.D
Acq: 23 Oct 2019 20:58

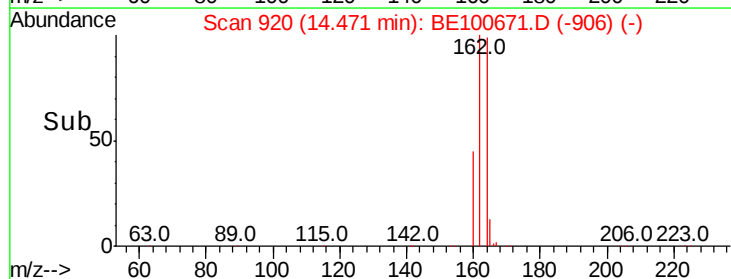
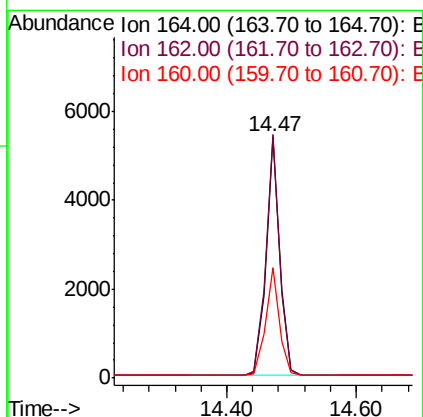
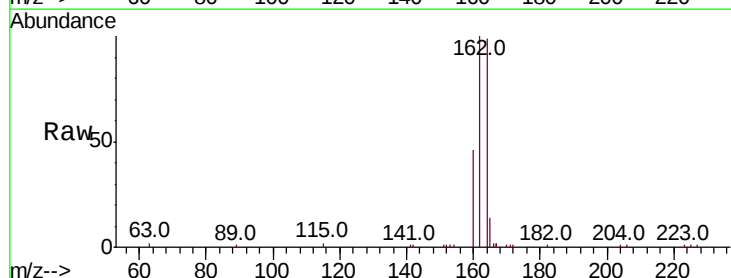
Instrument :
BNA_E
ClientSampled :

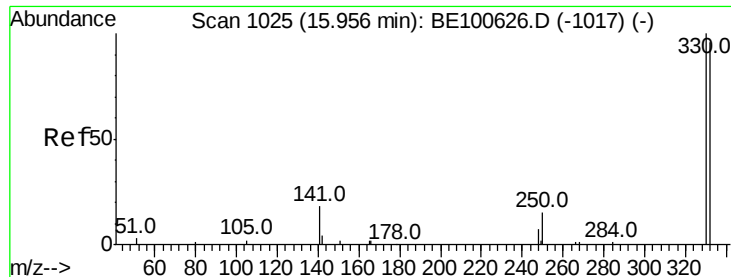
Tot Ion:152 Resp: 7745
Ion Ratio Lower Upper
152 100
151 18.8 14.7 22.1



#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.47 min Scan# 920
Delta R.T. -0.00 min
Lab File: BE100671.D
Acq: 23 Oct 2019 20:58

Tgt Ion:164 Resp: 8078
Ion Ratio Lower Upper
164 100
162 100.9 82.0 123.0
160 46.0 37.5 56.3





#14

2,4,6-Tribromophenol

Concen: 0.600 ng

RT: 15.94 min Scan# 1024

Delta R.T. 0.00 min

Lab File: BE100671.D

Acq: 23 Oct 2019 20:58

Instrument :

BNA_E

ClientSampleId :

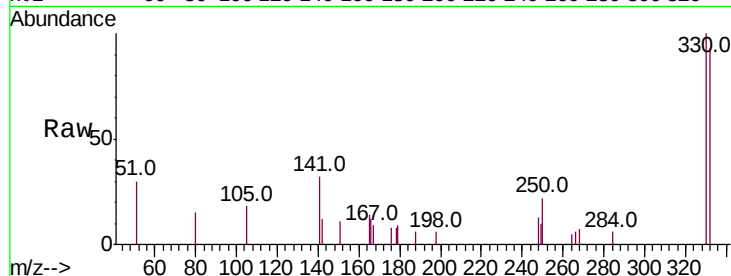
Tot Ion:330 Resp: 1280

Ion Ratio Lower Upper

330 100

332 95.2 77.9 116.9

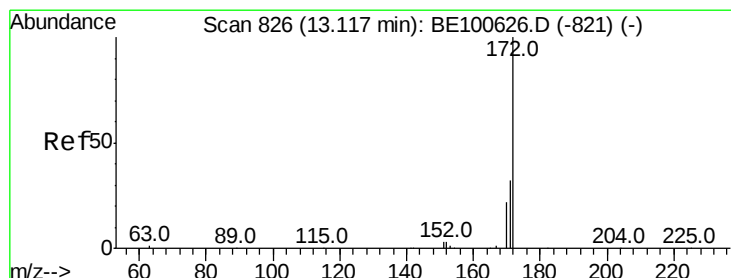
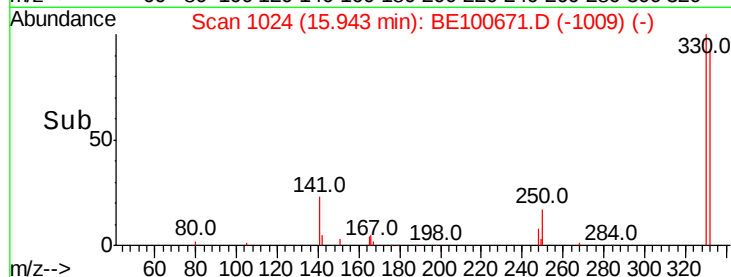
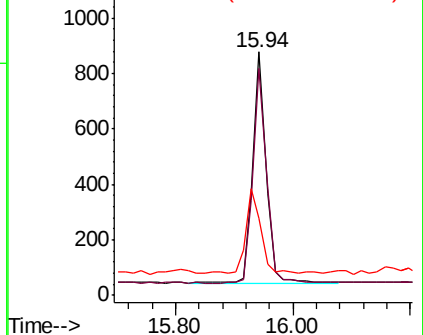
141 41.6 33.0 49.6



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: 0.373 ng

RT: 13.10 min Scan# 825

Delta R.T. -0.00 min

Lab File: BE100671.D

Acq: 23 Oct 2019 20:58

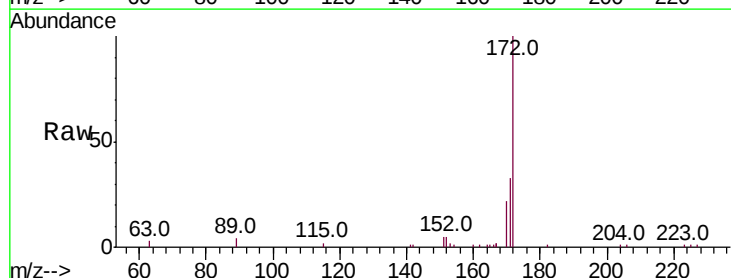
Tgt Ion:172 Resp: 10984

Ion Ratio Lower Upper

172 100

171 33.0 26.5 39.7

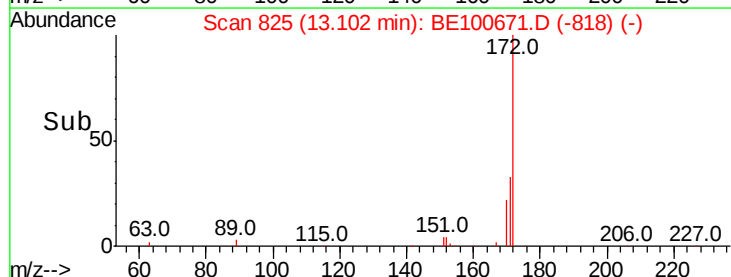
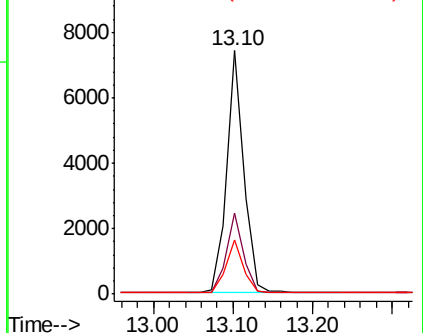
170 22.4 19.0 28.4

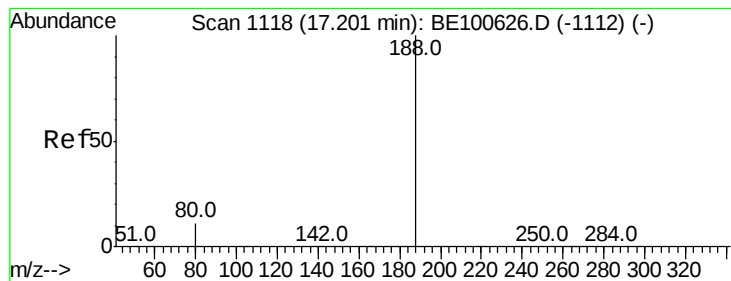


Abundance Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E





#19

Phenanthrene-d10

Concen: 0.400 ng

RT: 17.19 min Scan# 1117

Delta R.T. -0.01 min

Lab File: BE100671.D

Acq: 23 Oct 2019 20:58

Instrument :

BNA_E

ClientSampleId :

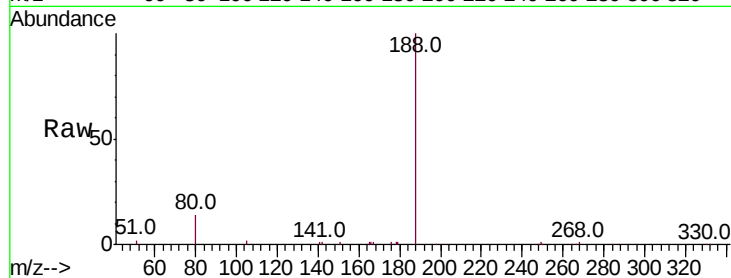
Tot Ion:188 Resp: 19906

Ion Ratio Lower Upper

188 100

94 0.0 0.0 0.0

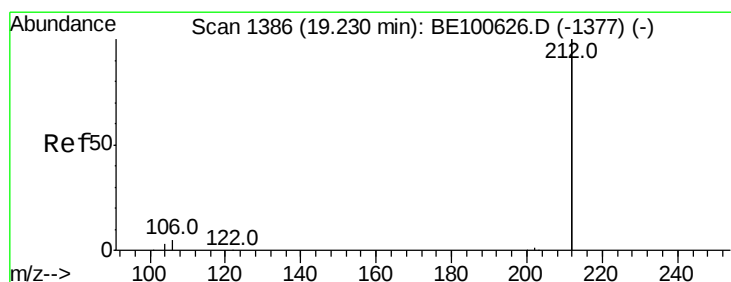
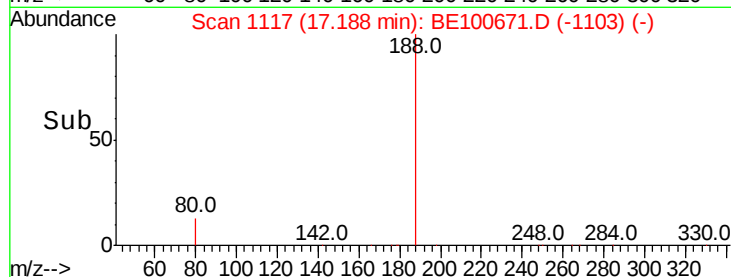
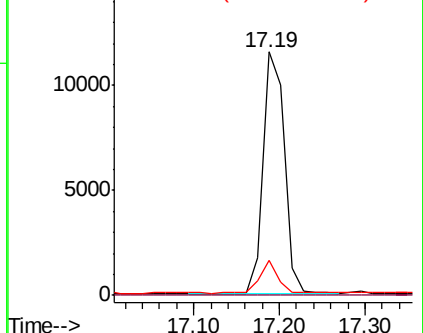
80 14.2 5.4 8.0#



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



#25

Fluoranthene-d10

Concen: 0.432 ng

RT: 19.22 min Scan# 1384

Delta R.T. 0.00 min

Lab File: BE100671.D

Acq: 23 Oct 2019 20:58

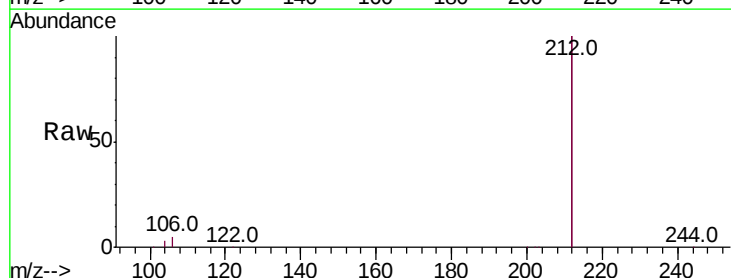
Tgt Ion:212 Resp: 111073

Ion Ratio Lower Upper

212 100

106 2.9 2.3 3.5

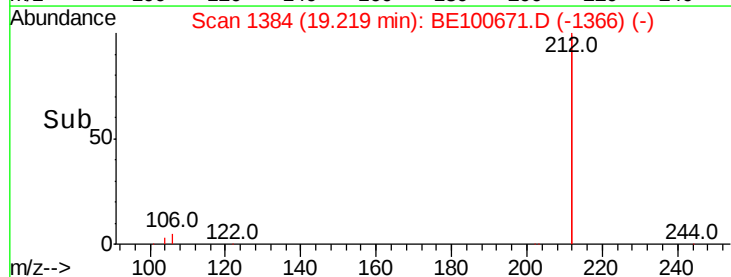
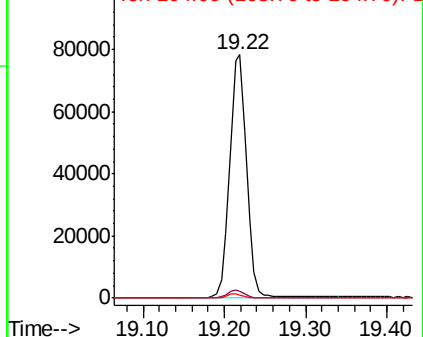
104 1.6 1.3 1.9

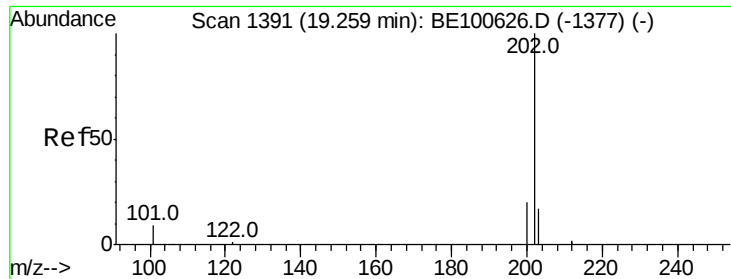


Abundance Ion 212.00 (211.70 to 212.70): E

Ion 106.00 (105.70 to 106.70): E

Ion 104.00 (103.70 to 104.70): E

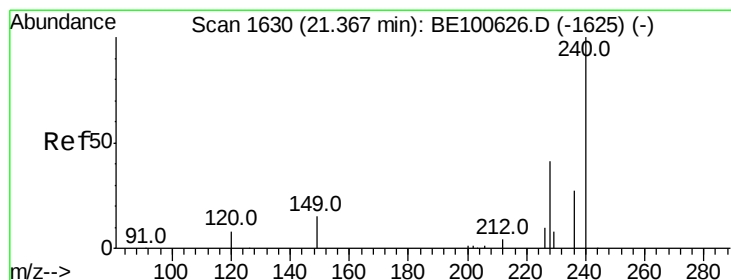
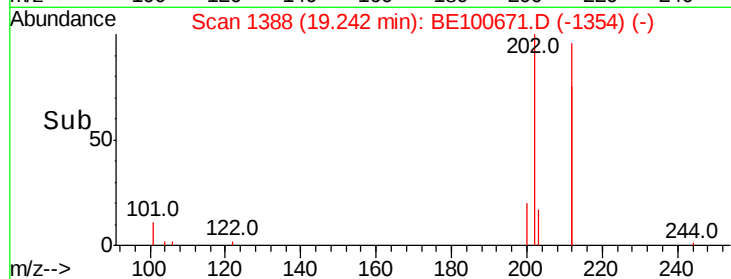
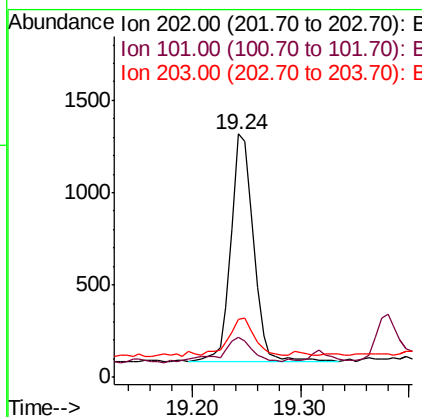
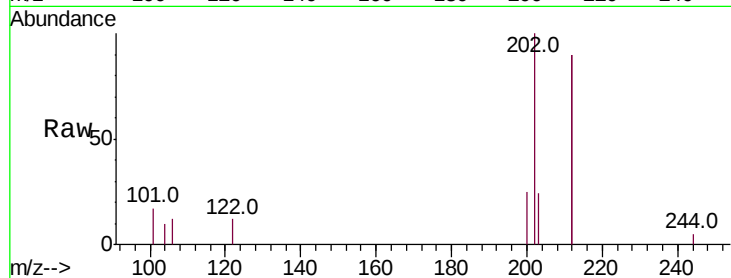




#26
Fluoranthene
Concen: 0.025 ng
RT: 19.24 min Scan# 1388
Delta R.T. -0.00 min
Lab File: BE100671.D
Acq: 23 Oct 2019 20:58

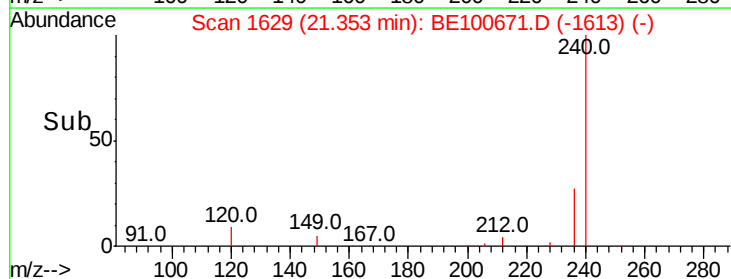
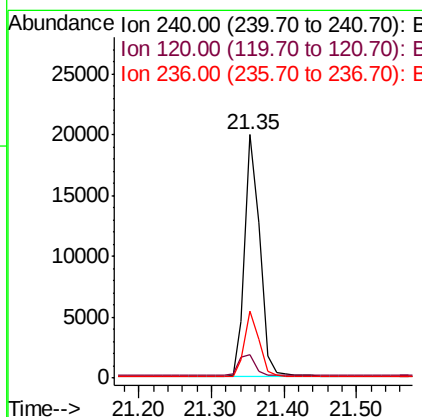
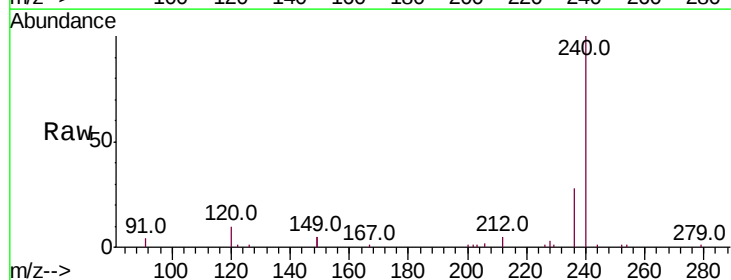
Instrument :
BNA_E
ClientSampleId :

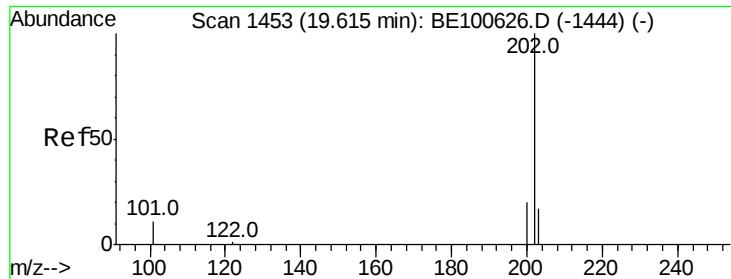
Tot Ion:202 Resp: 1773
Ion Ratio Lower Upper
202 100
101 16.1 8.5 12.7#
203 17.8 13.8 20.8



#27
Chrysene-d12
Concen: 0.400 ng
RT: 21.35 min Scan# 1629
Delta R.T. -0.00 min
Lab File: BE100671.D
Acq: 23 Oct 2019 20:58

Tgt Ion:240 Resp: 29091
Ion Ratio Lower Upper
240 100
120 9.6 7.6 11.4
236 27.5 22.1 33.1

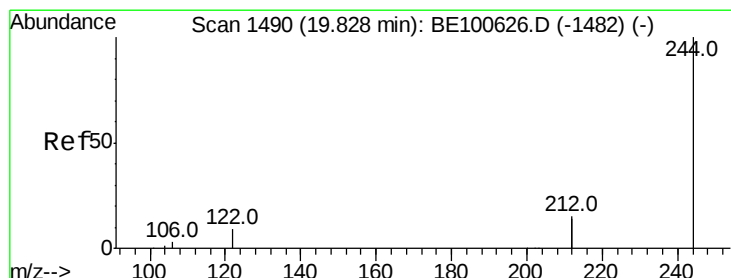
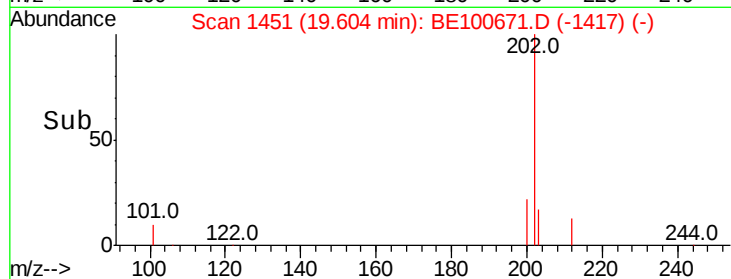
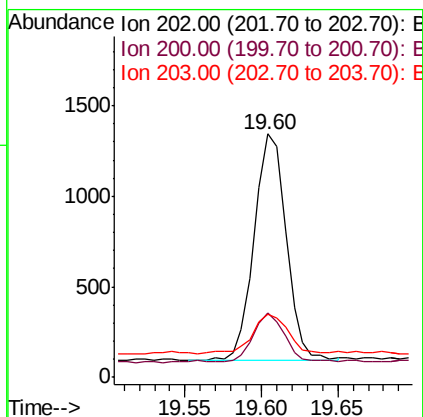
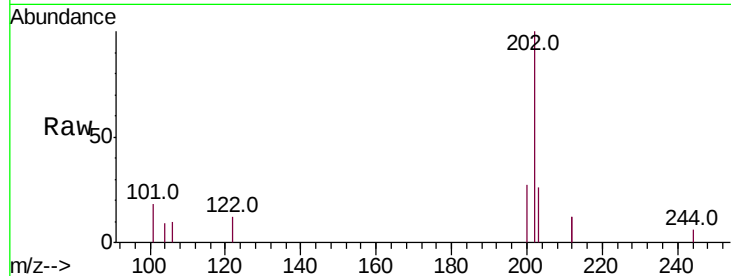




#28
Pvrene
Concen: 0.022 ng
RT: 19.60 min Scan# 1451
Delta R.T. -0.00 min
Lab File: BE100671.D
Acq: 23 Oct 2019 20:58

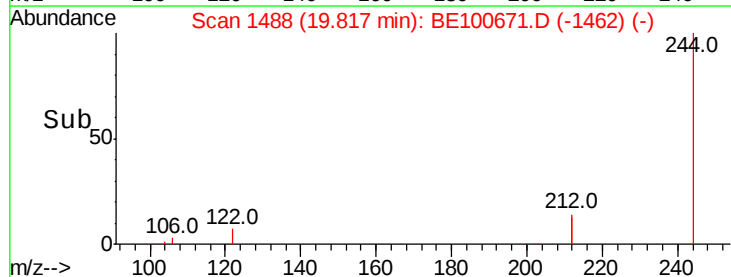
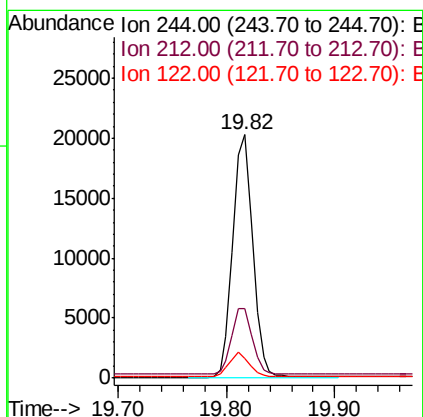
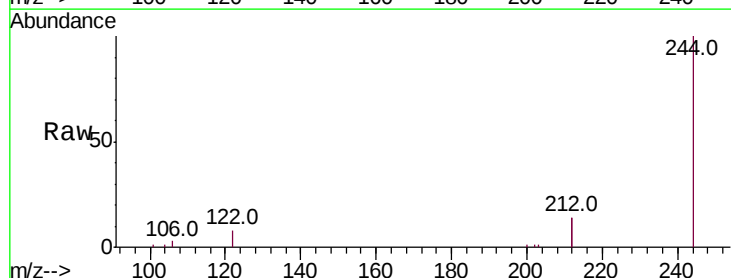
Instrument :
BNA_E
ClientSampleId :

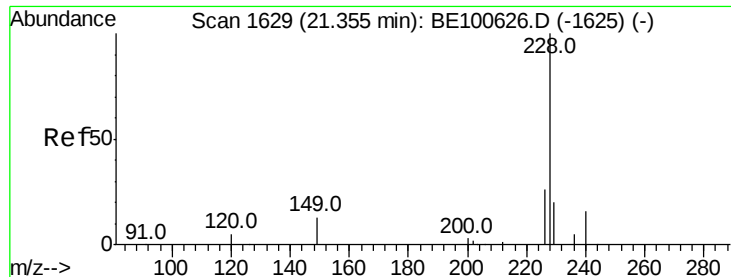
Tot Ion:202 Resp: 1796
Ion Ratio Lower Upper
202 100
200 21.3 16.7 25.1
203 20.8 14.0 21.0



#29
Terphenyl-d14
Concen: 0.406 ng
RT: 19.82 min Scan# 1488
Delta R.T. 0.00 min
Lab File: BE100671.D
Acq: 23 Oct 2019 20:58

Tgt Ion:244 Resp: 25834
Ion Ratio Lower Upper
244 100
212 28.3 23.7 35.5
122 8.1 7.9 11.9

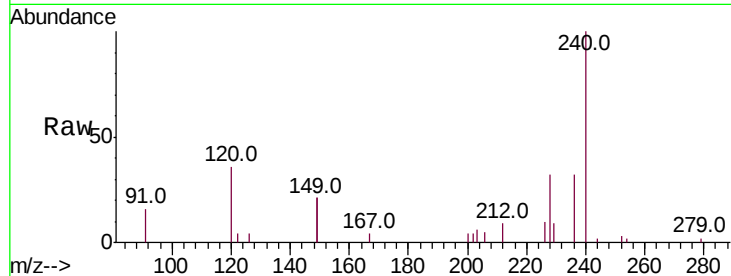




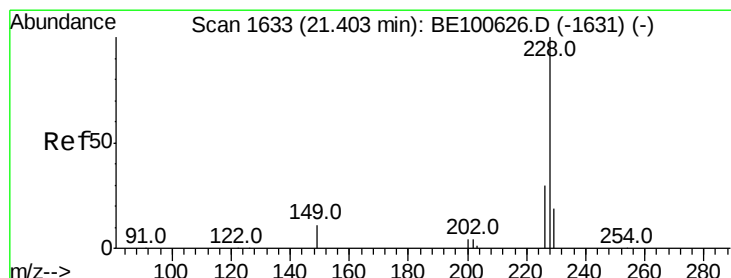
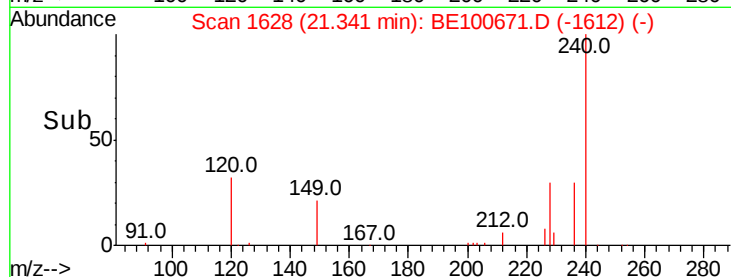
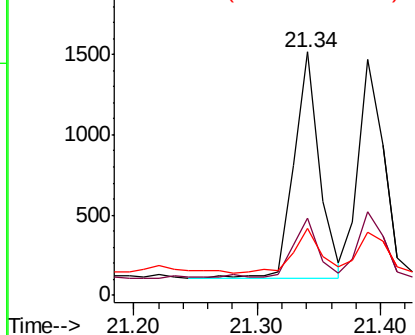
#30
Benzo(a)anthracene
Concen: 0.021 ng
RT: 21.34 min Scan# 1628
Delta R.T. -0.00 min
Lab File: BE100671.D
Acq: 23 Oct 2019 20:58

Instrument :
BNA_E
ClientSampleId :

Tot Ion:228 Resp: 2010
Ion Ratio Lower Upper
228 100
226 31.8 21.4 32.0
229 27.6 16.0 24.0#

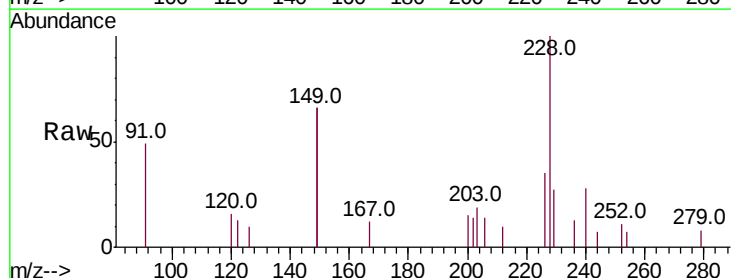


Abundance Ion 228.00 (227.70 to 228.70): E
Ion 226.00 (225.70 to 226.70): E
Ion 229.00 (228.70 to 229.70): E

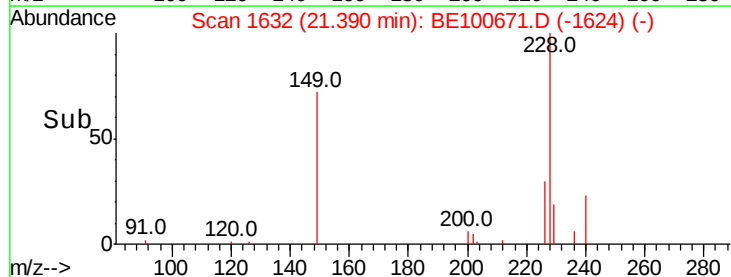
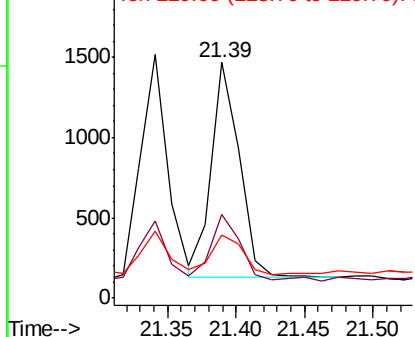


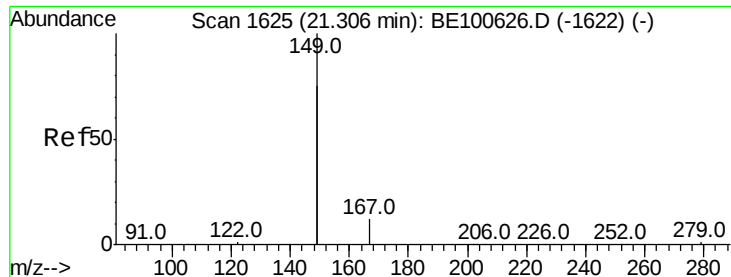
#31
Chrysene
Concen: 0.020 ng
RT: 21.39 min Scan# 1632
Delta R.T. -0.00 min
Lab File: BE100671.D
Acq: 23 Oct 2019 20:58

Tgt Ion:228 Resp: 1913
Ion Ratio Lower Upper
228 100
226 35.3 24.6 37.0
229 27.1 15.8 23.8#



Abundance Ion 228.00 (227.70 to 228.70): E
Ion 226.00 (225.70 to 226.70): E
Ion 229.00 (228.70 to 229.70): E





#32

Bis(2-ethylhexyl)phthalate

Concen: 0.073 ng

RT: 21.28 min Scan# 1623

Delta R.T. -0.01 min

Lab File: BE100671.D

Acq: 23 Oct 2019 20:58

Instrument :

BNA_E

ClientSampleId :

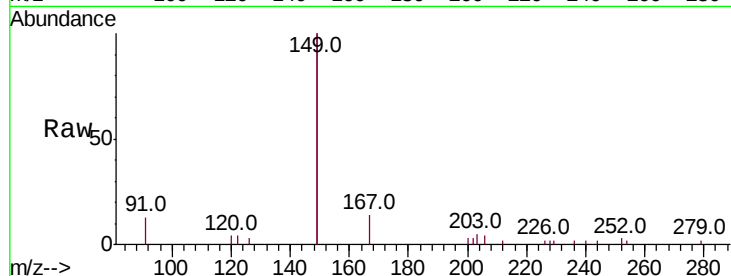
Tot Ion:149 Resp: 14470

Ion Ratio Lower Upper

149 100

167 6.6 5.5 8.3

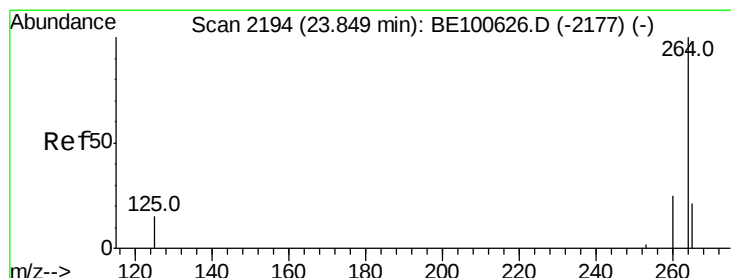
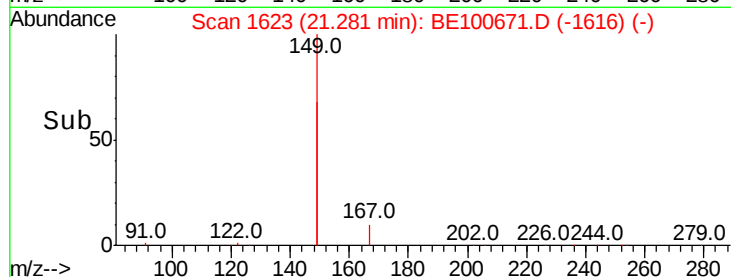
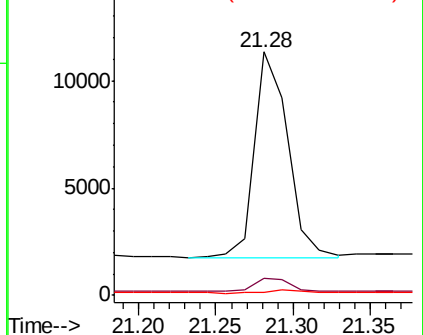
279 1.2 0.9 1.3



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



#34

Perylene-d12

Concen: 0.400 ng

RT: 23.83 min Scan# 2188

Delta R.T. -0.00 min

Lab File: BE100671.D

Acq: 23 Oct 2019 20:58

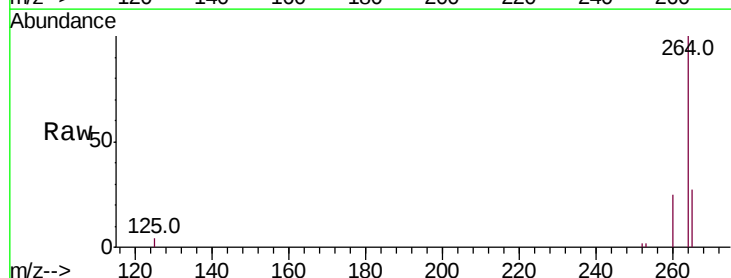
Tgt Ion:264 Resp: 33651

Ion Ratio Lower Upper

264 100

260 24.6 19.4 29.2

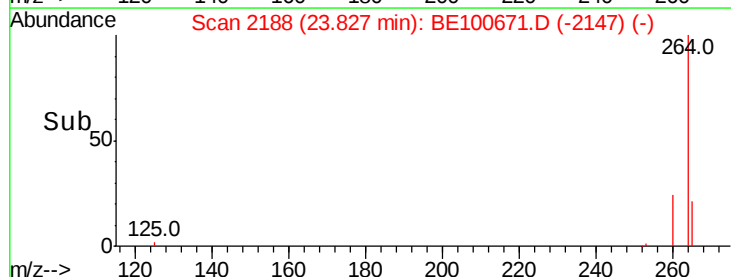
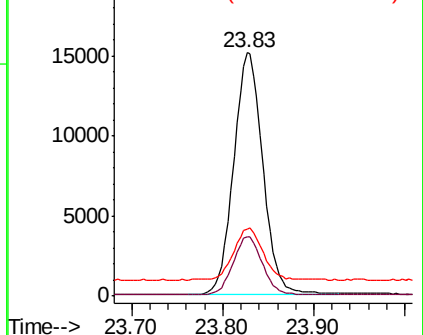
265 27.4 21.7 32.5

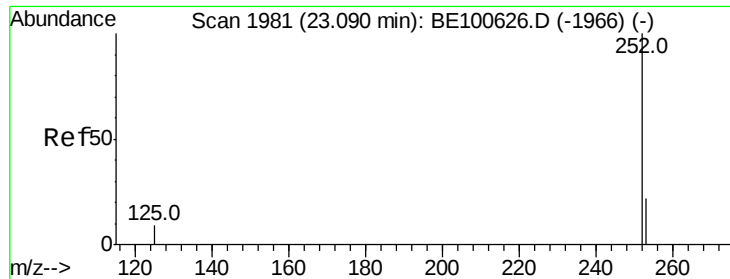


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E





#35

Benzo(b)fluoranthene

Concen: 0.022 ng

RT: 23.07 min Scan# 1976

Delta R.T. -0.00 min

Lab File: BE100671.D

Acq: 23 Oct 2019 20:58

Instrument :

BNA_E

ClientSampled :

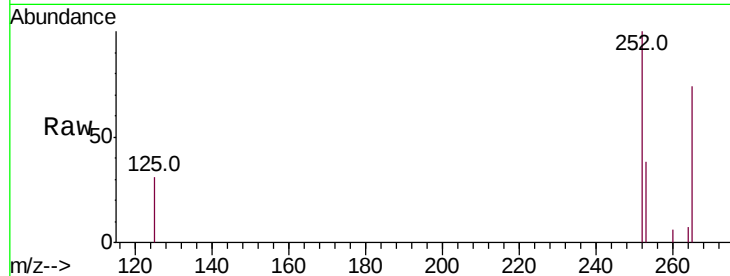
Tot Ion:252 Resp: 2141

Ion Ratio Lower Upper

252 100

253 37.6 18.4 27.6#

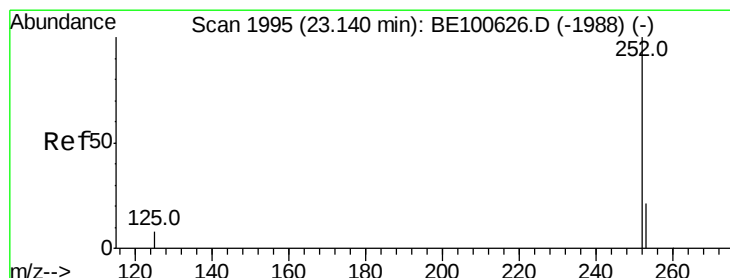
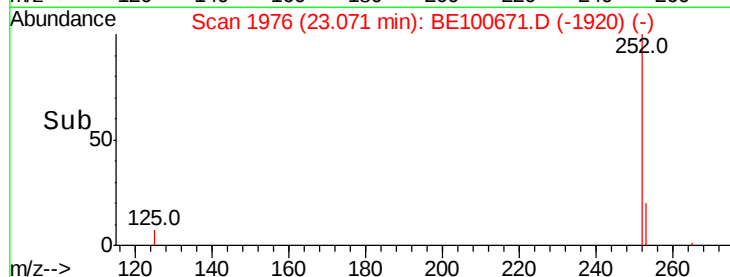
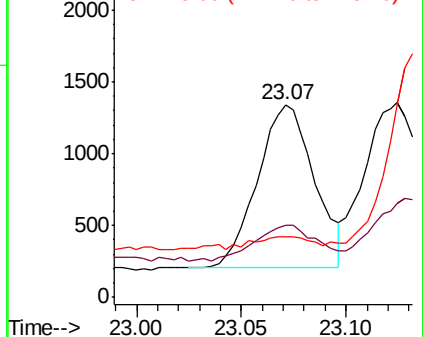
125 31.2 7.6 11.4#



Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#36

Benzo(k)fluoranthene

Concen: 0.023 ng

RT: 23.12 min Scan# 1991

Delta R.T. -0.00 min

Lab File: BE100671.D

Acq: 23 Oct 2019 20:58

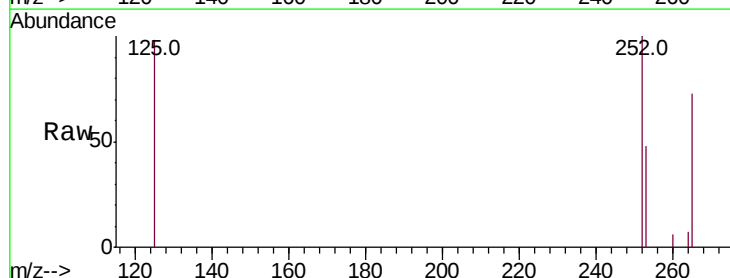
Tgt Ion:252 Resp: 2328

Ion Ratio Lower Upper

252 100

253 48.2 18.4 27.6#

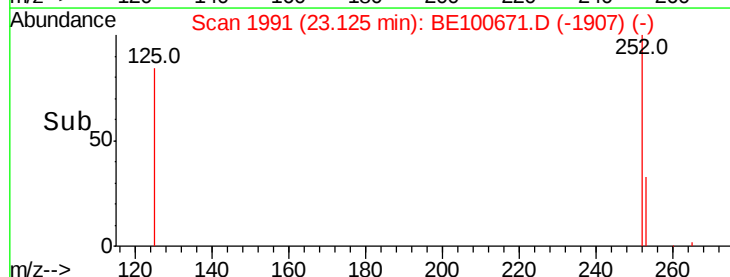
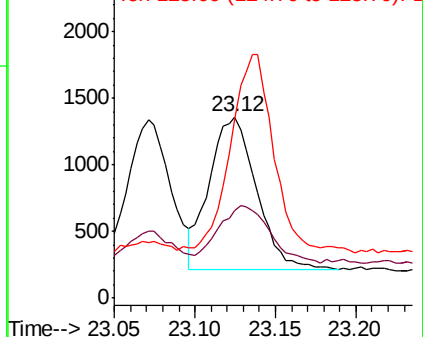
125 98.2 11.6 17.4#

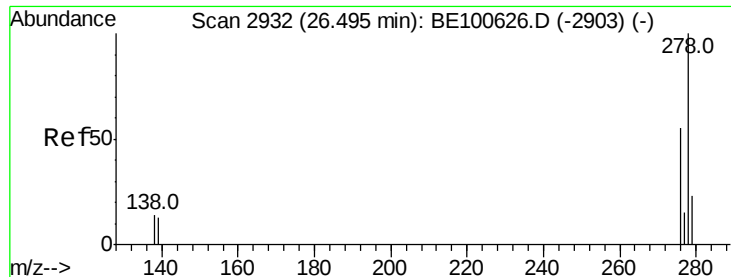


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#38

Dibenzo(a,h)anthracene

Concen: 0.021 ng

RT: 26.46 min Scan# 2922

Delta R.T. -0.00 min

Lab File: BE100671.D

Acq: 23 Oct 2019 20:58

Instrument :

BNA_E

ClientSampleId :

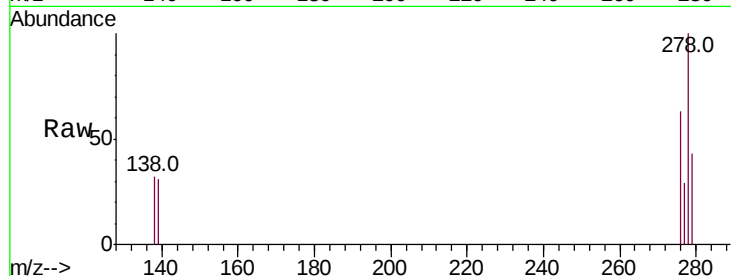
Tot Ion:278 Resp: 1963

Ion Ratio Lower Upper

278 100

139 30.5 10.9 16.3#

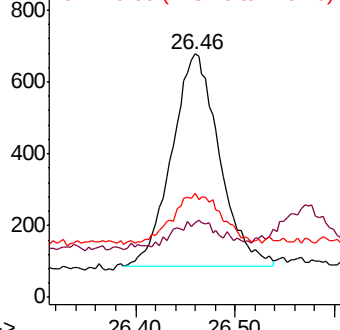
279 42.8 19.4 29.2#



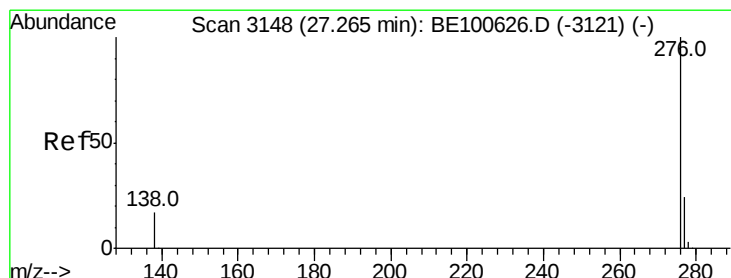
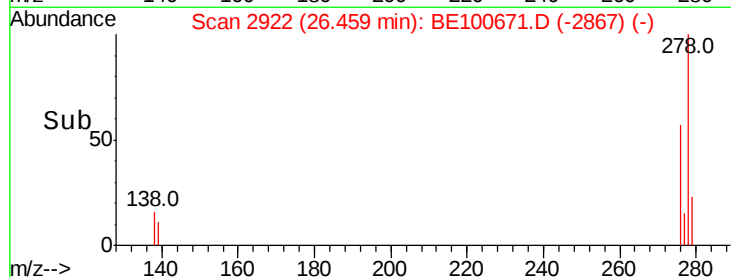
Abundance Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E



Time-->



#39

Benzo(g,h,i)perylene

Concen: 0.021 ng

RT: 27.23 min Scan# 3137

Delta R.T. -0.01 min

Lab File: BE100671.D

Acq: 23 Oct 2019 20:58

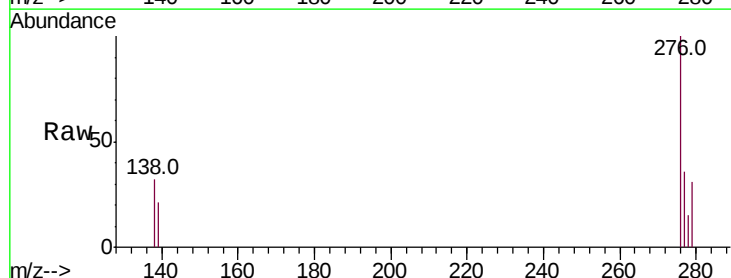
Tgt Ion:276 Resp: 1948

Ion Ratio Lower Upper

276 100

277 36.1 19.4 29.0#

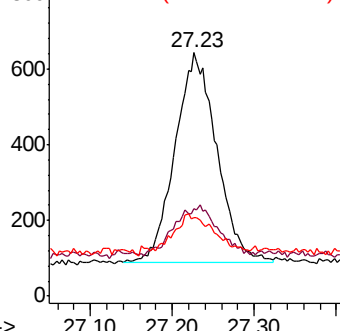
138 32.3 13.6 20.4#



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



Time-->

