

Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE110819\
 Data File : BE100717.D
 Acq On : 8 Nov 2019 14:57
 Operator : JU
 Sample : K5725-04DL2 50X
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :

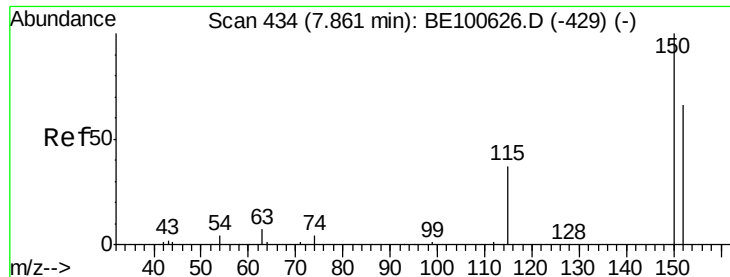
Quant Time: Nov 08 15:40:52 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA E\METHODS\8270-SIM-BE101019.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Oct 23 16:49:33 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.85	152	2231	0.40	ng	0.00
7) Naphthalene-d8	10.64	136	10841	0.40	ng	0.01
13) Acenaphthene-d10	14.47	164	7676	0.40	ng	0.00
19) Phenanthrene-d10	17.20	188	16166	0.40	ng	0.00
27) Chrysene-d12	21.37	240	17104	0.40	ng	0.01
34) Perylene-d12	23.85	264	19350	0.40	ng	0.01

System Monitoring Compounds						
4) 2-Fluorophenol	5.45	112	42	0.01	ng	0.01
5) Phenol-d6	7.03	99	70	0.01	ng	0.02
8) Nitrobenzene-d5	8.99	82	498	0.07	ng	0.00
11) 2-Methylnaphthalene-d10	12.24	152	222	0.01	ng	0.01
14) 2,4,6-Tribromophenol	15.96	330	9	0.00	ng	0.01
15) 2-Fluorobiphenyl	13.10	172	76	0.00	ng	0.00
25) Fluoranthene-d10	19.22	212	1221	0.01	ng	0.00
29) Terphenyl-d14	19.82	244	381	0.01	ng	0.00

Target Compounds				Qvalue		
9) Naphthalene	10.68	128	33361	0.293	ng	# 98
12) 2-Methylnaphthalene	12.30	142	10187	0.524	ng	# 89
16) Acenaphthylene	14.20	152	7928	0.240	ng	# 79
17) Acenaphthene	14.54	154	3966	0.186	ng	# 64
18) Fluorene	15.51	166	6846	0.241	ng	# 62
23) Phenanthrene	17.24	178	57219	1.287	ng	# 94
24) Anthracene	17.34	178	13420	0.325	ng	# 80
26) Fluoranthene	19.26	202	115776	1.995	ng	100
28) Pyrene	19.62	202	120187	2.515	ng	# 94
30) Benzo(a)anthracene	21.34	228	67205	1.205	ng	96
31) Chrysene	21.40	228	64326	1.154	ng	97
32) Bis(2-ethylhexyl)phthalate	21.28	149	10962	0.094	ng	100
33) Indeno(1,2,3-cd)pyrene	26.47	276	61906	0.903	ng	96
35) Benzo(b)fluoranthene	23.09	252	107148	1.899	ng	99
36) Benzo(k)fluoranthene	23.09	252	107148	1.846	ng	# 94
37) Benzo(a)pyrene	23.74	252	74386	1.416	ng	99
38) Dibenzo(a,h)anthracene	26.48	278	14296	0.263	ng	# 86
39) Benzo(a,h,i)perylene	27.28	276	64766	1.186	ng	99

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

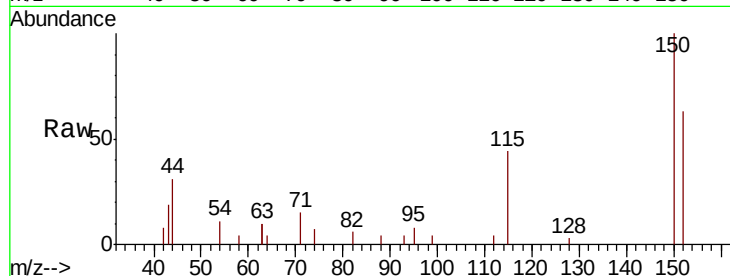


#1

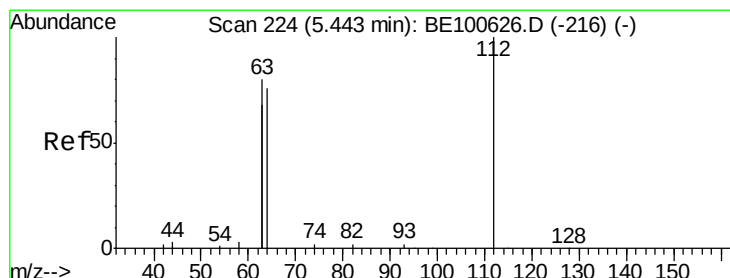
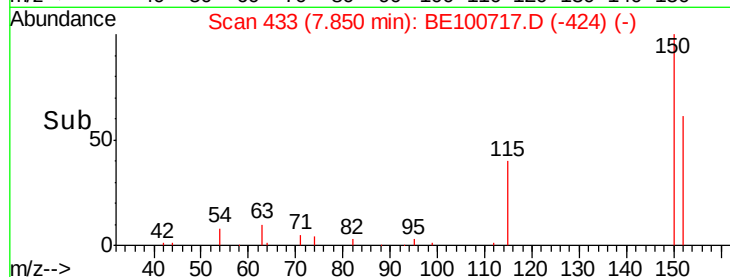
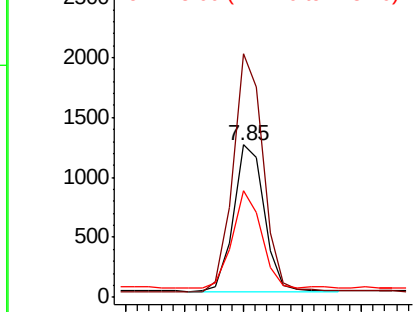
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.85 min Scan# 433
Delta R.T. -0.00 min
Lab File: BE100717.D
Acq: 8 Nov 2019 14:57

Instrument :
BNA_E
ClientSampled :

Tot Ion:152 Resp: 2231
Ion Ratio Lower Upper
152 100
150 159.5 123.3 184.9
115 69.8 51.9 77.9



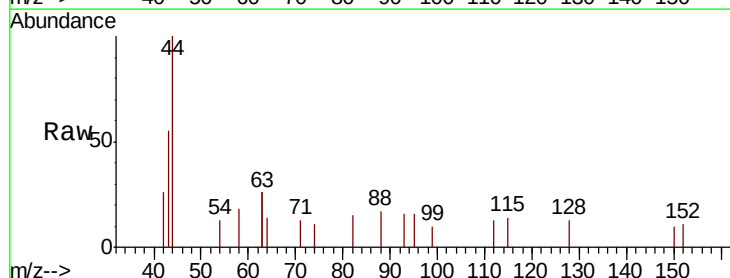
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



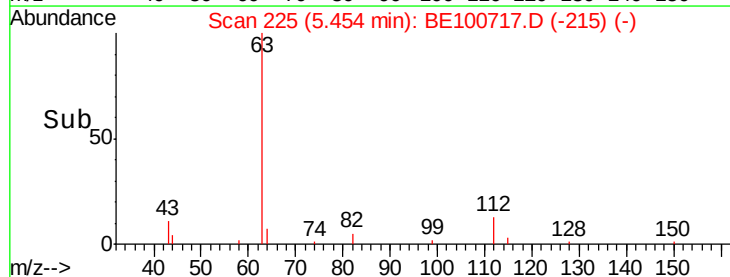
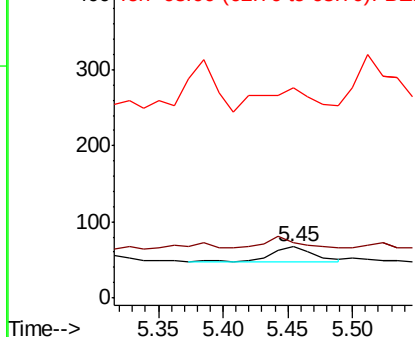
#4

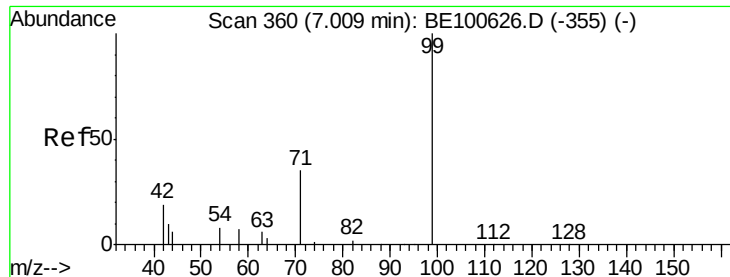
2-Fluorophenol
Concen: 0.006 ng
RT: 5.45 min Scan# 225
Delta R.T. 0.01 min
Lab File: BE100717.D
Acq: 8 Nov 2019 14:57

Tgt Ion:112 Resp: 42
Ion Ratio Lower Upper
112 100
64 52.4 55.4 83.2#
63 223.8 114.2 171.4#



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





#5

Phenol-d6

Concen: 0.007 ng

RT: 7.03 min Scan# 362

Delta R.T. 0.02 min

Lab File: BE100717.D

Acq: 8 Nov 2019 14:57

Instrument :

BNA_E

ClientSampleId :

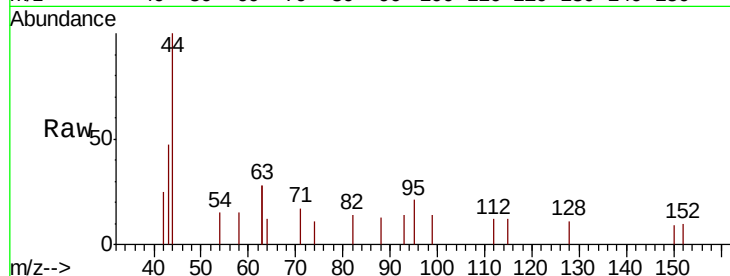
Tot Ion: 99 Resp: 70

Ion Ratio Lower Upper

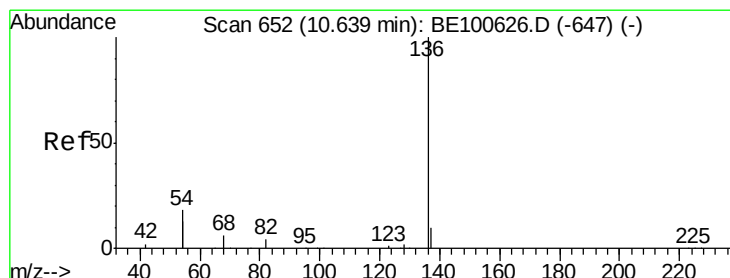
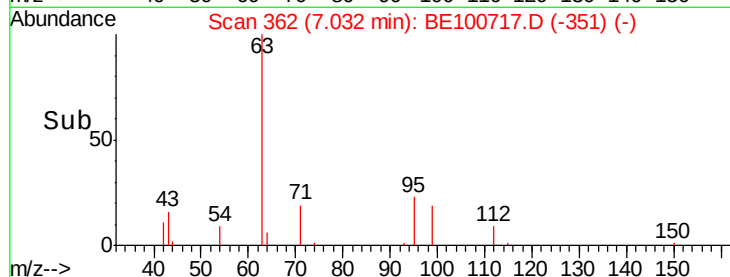
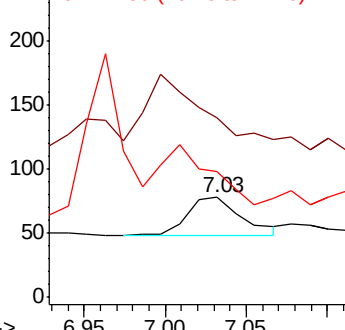
99 100

42 0.0 17.7 26.5#

71 0.0 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



#7

Naphthalene-d8

Concen: 0.400 ng

RT: 10.64 min Scan# 653

Delta R.T. 0.01 min

Lab File: BE100717.D

Acq: 8 Nov 2019 14:57

Tgt Ion: 136 Resp: 10841

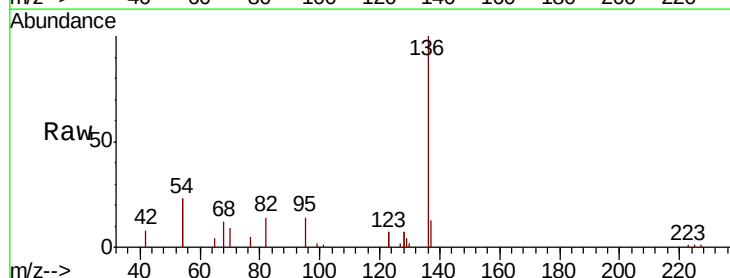
Ion Ratio Lower Upper

136 100

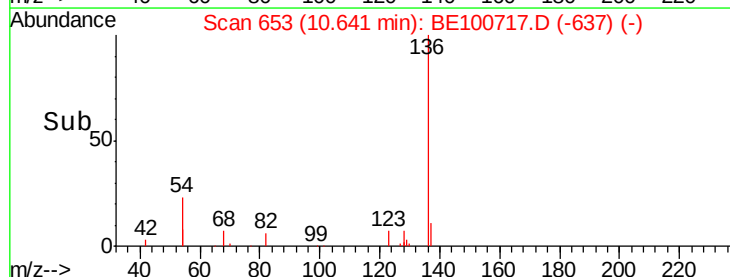
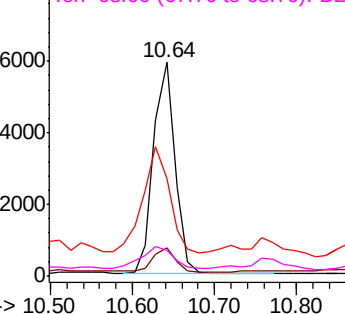
137 13.0 9.2 13.8

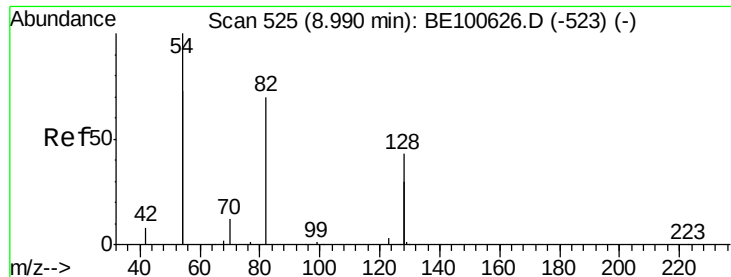
54 45.3 39.4 59.2

68 12.2 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: 0.074 ng

RT: 8.99 min Scan# 526

Delta R.T. 0.00 min

Lab File: BE100717.D

Acq: 8 Nov 2019 14:57

Instrument :

BNA_E

ClientSampled :

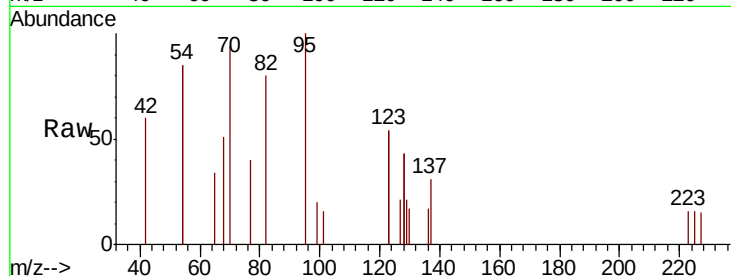
Tot Ion: 82 Resp: 498

Ion Ratio Lower Upper

82 100

128 108.6 107.8 161.8

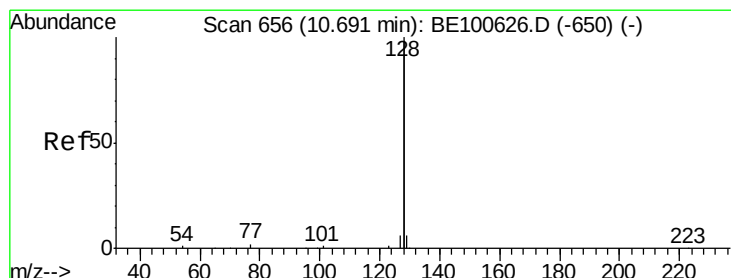
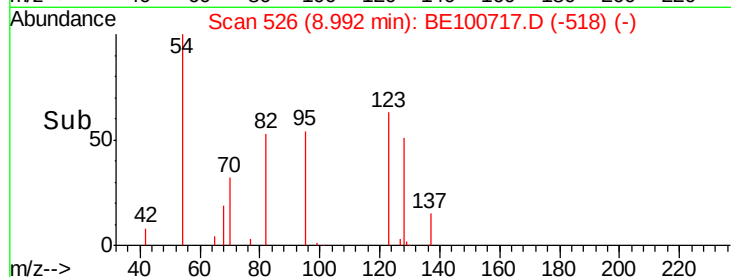
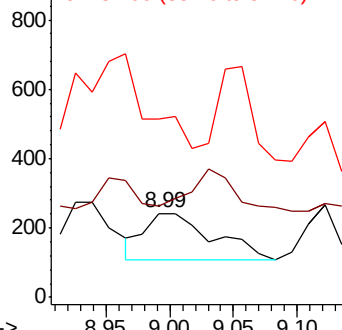
54 211.5 166.1 249.1



Abundance Ion 82.00 (81.70 to 82.70): BE1

Ion 128.00 (127.70 to 128.70): BE1

Ion 54.00 (53.70 to 54.70): BE1



#9

Naphthalene

Concen: 0.293 ng

RT: 10.68 min Scan# 656

Delta R.T. 0.00 min

Lab File: BE100717.D

Acq: 8 Nov 2019 14:57

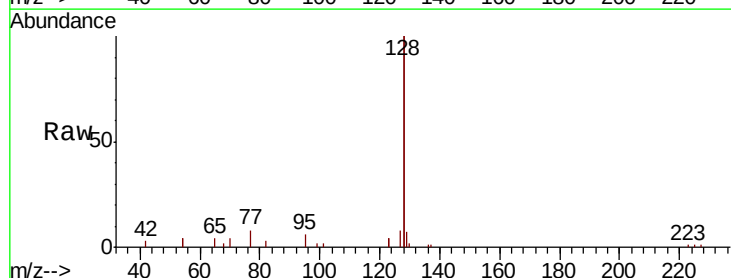
Tgt Ion: 128 Resp: 33361

Ion Ratio Lower Upper

128 100

129 3.6 2.3 3.5#

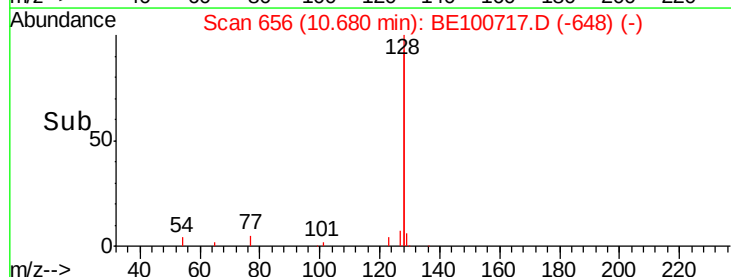
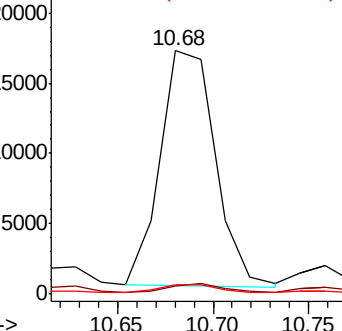
127 3.9 2.7 4.1

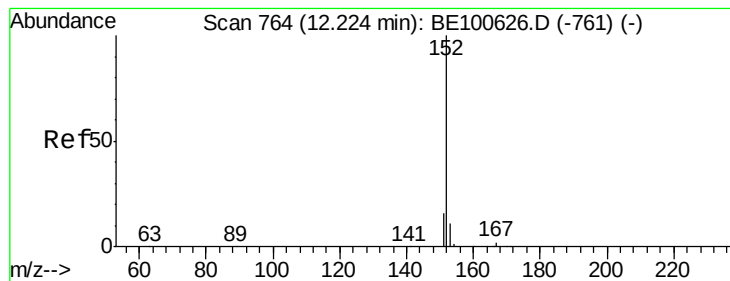


Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E





#11

2-Methylnaphthalene-d10

Concen: 0.013 ng

RT: 12.24 min Scan# 766

Delta R.T. 0.01 min

Lab File: BE100717.D

Acq: 8 Nov 2019 14:57

Instrument :

BNA_E

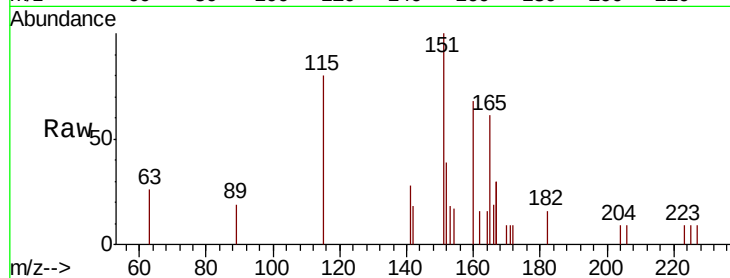
ClientSampleId :

Tot Ion:152 Resp: 222

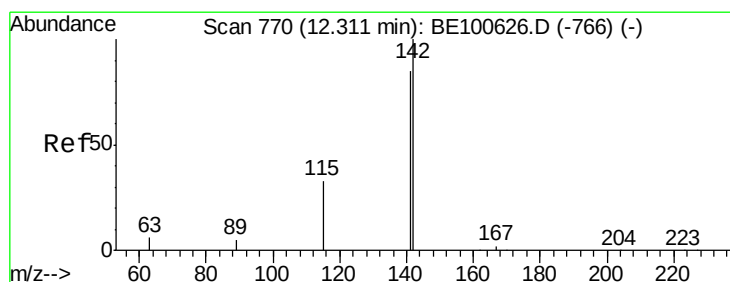
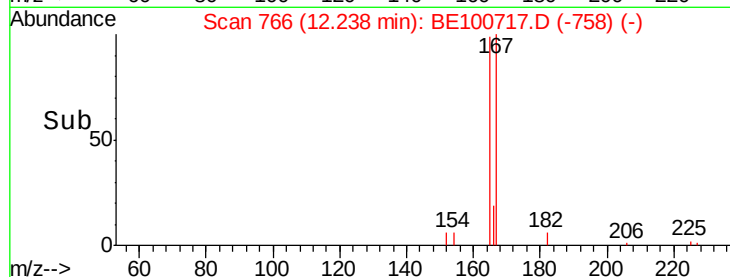
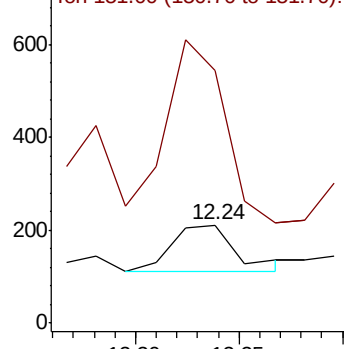
Ion Ratio Lower Upper

152 100

151 345.9 14.7 22.1#



Abundance Ion 152.00 (151.70 to 152.70): E



#12

2-Methylnaphthalene

Concen: 0.524 ng

RT: 12.30 min Scan# 770

Delta R.T. -0.00 min

Lab File: BE100717.D

Acq: 8 Nov 2019 14:57

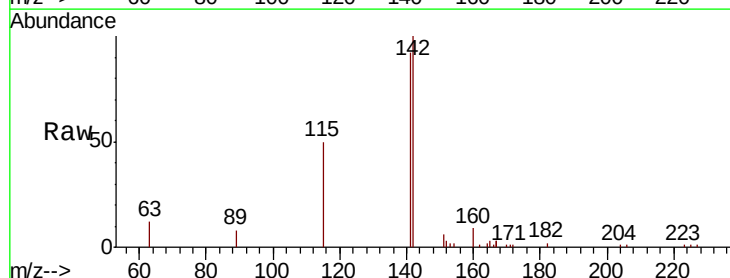
Tgt Ion:142 Resp: 10187

Ion Ratio Lower Upper

142 100

141 91.9 70.1 105.1

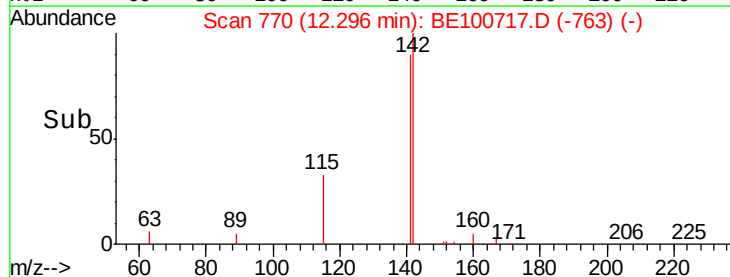
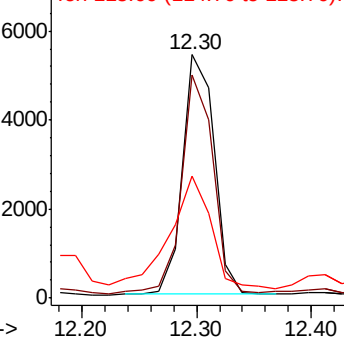
115 50.3 28.3 42.5#

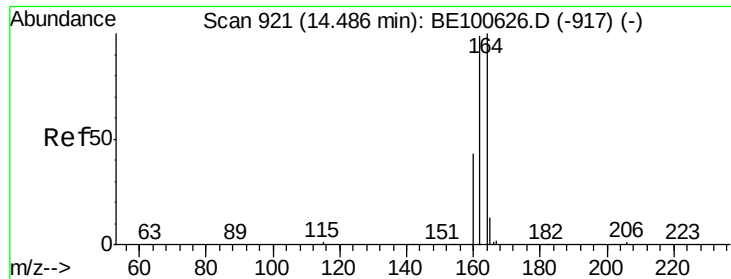


Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 115.00 (114.70 to 115.70): E

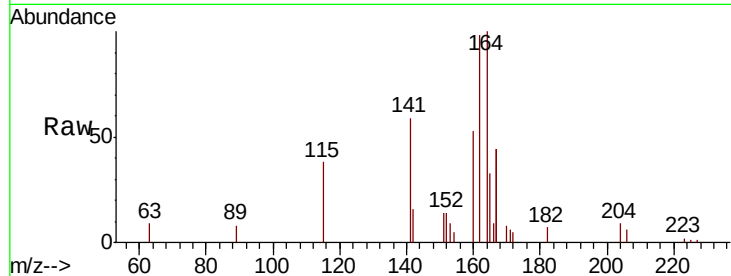




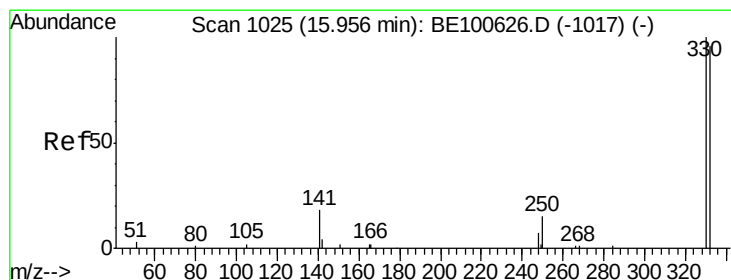
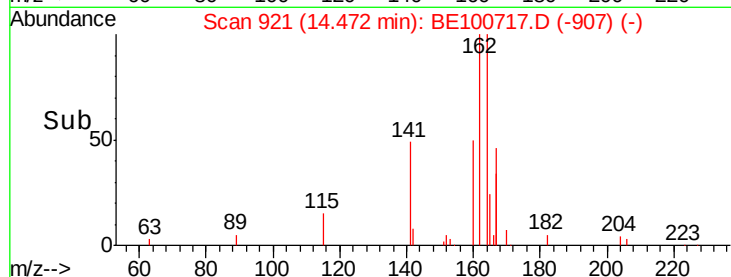
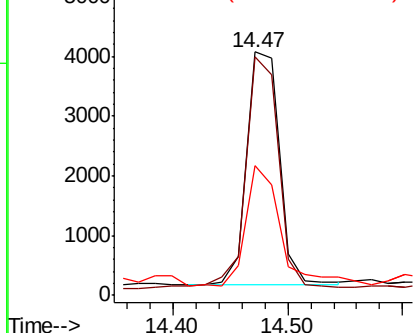
#13
 Acenaphthene-d10
 Concen: 0.400 ng
 RT: 14.47 min Scan# 921
 Delta R.T. -0.00 min
 Lab File: BE100717.D
 Acq: 8 Nov 2019 14:57

Instrument :
 BNA_E
 ClientSampled :

Tot Ion:164 Resp: 7676
 Ion Ratio Lower Upper
 164 100
 162 98.1 82.0 123.0
 160 53.4 37.5 56.3

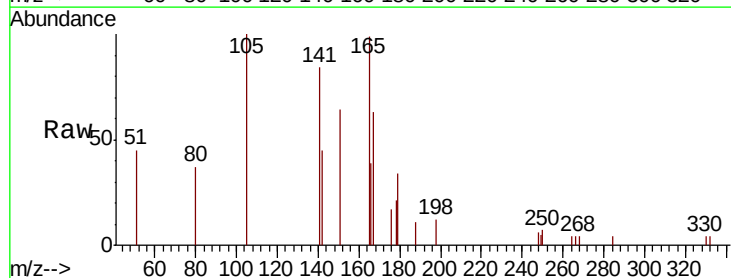


Abundance Ion 164.00 (163.70 to 164.70): E
 Ion 162.00 (161.70 to 162.70): E
 Ion 160.00 (159.70 to 160.70): E

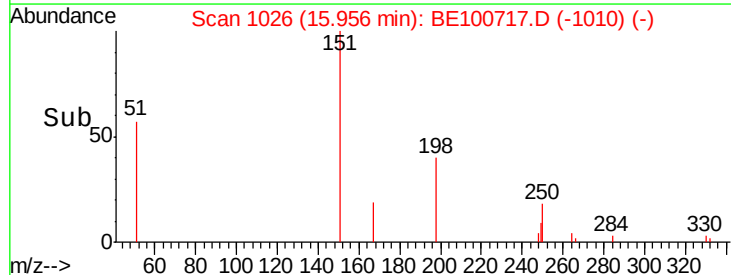
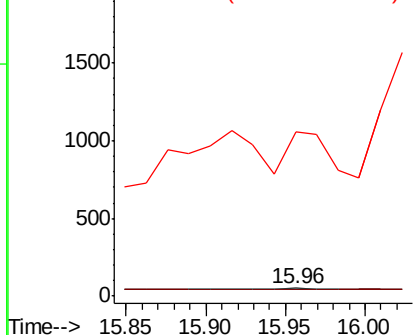


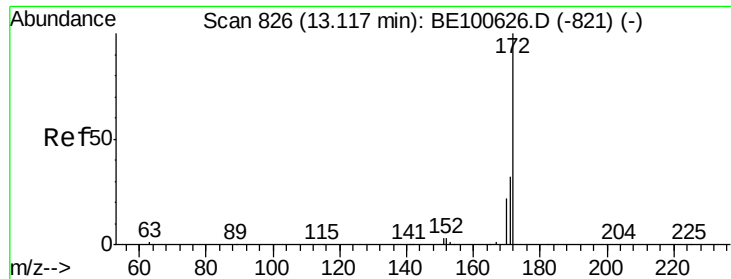
#14
 2,4,6-Tribromophenol
 Concen: 0.004 ng
 RT: 15.96 min Scan# 1026
 Delta R.T. 0.01 min
 Lab File: BE100717.D
 Acq: 8 Nov 2019 14:57

Tgt Ion:330 Resp: 9
 Ion Ratio Lower Upper
 330 100
 332 188.9 77.9 116.9#
 141 5644.4 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

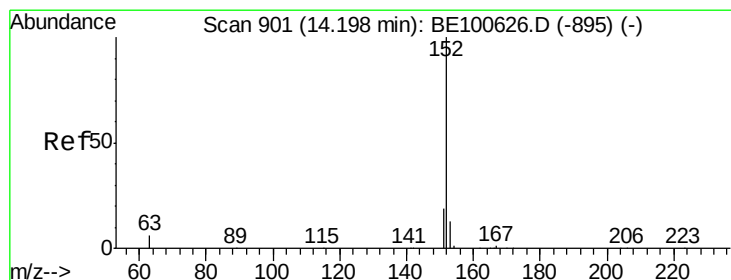
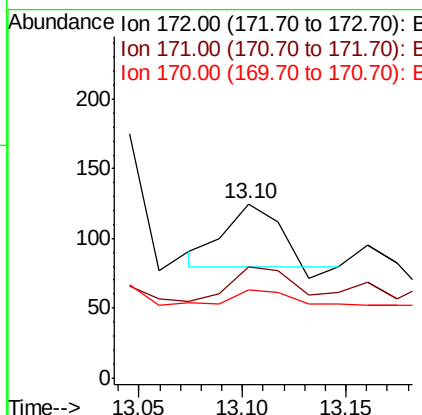
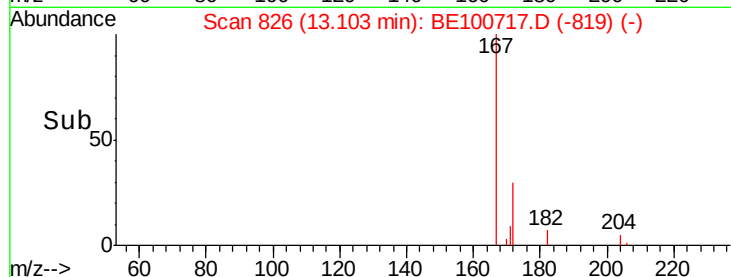
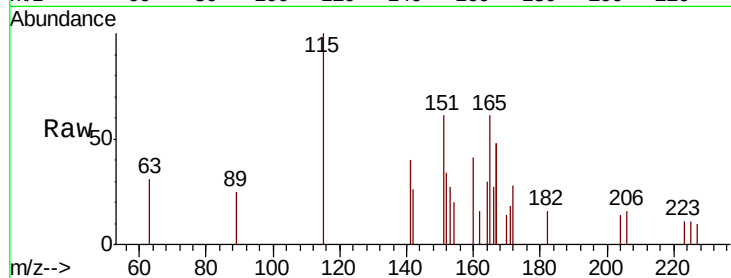




#15
2-Fluorobiphenyl
Concen: 0.003 ng
RT: 13.10 min Scan# 826
Delta R.T. -0.00 min
Lab File: BE100717.D
Acq: 8 Nov 2019 14:57

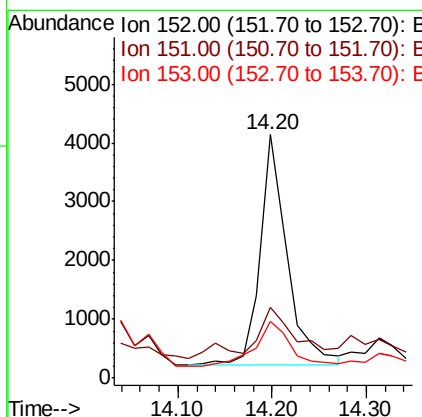
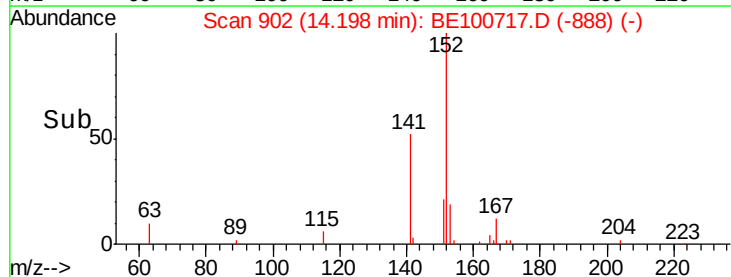
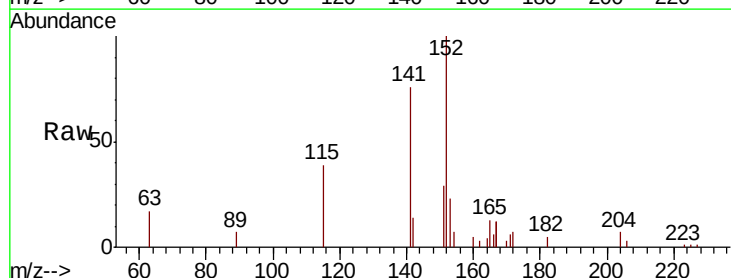
Instrument :
BNA_E
ClientSampleId :

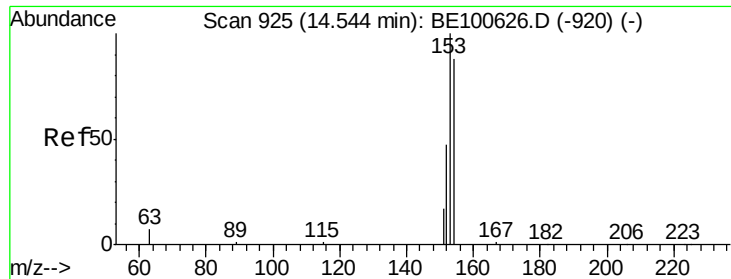
Tot Ion:172 Resp: 76
Ion Ratio Lower Upper
172 100
171 64.0 26.5 39.7#
170 50.4 19.0 28.4#



#16
Acenaphthylene
Concen: 0.240 ng
RT: 14.20 min Scan# 902
Delta R.T. -0.00 min
Lab File: BE100717.D
Acq: 8 Nov 2019 14:57

Tgt Ion:152 Resp: 7928
Ion Ratio Lower Upper
152 100
151 24.0 15.2 22.8#
153 26.8 10.3 15.5#

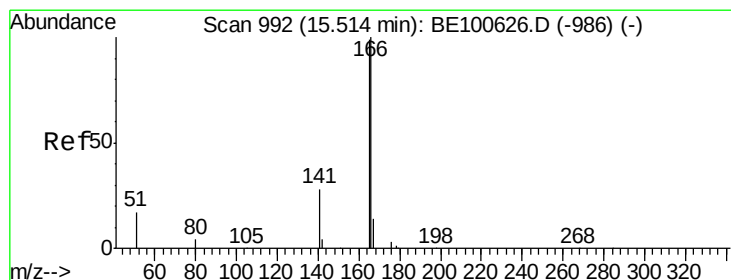
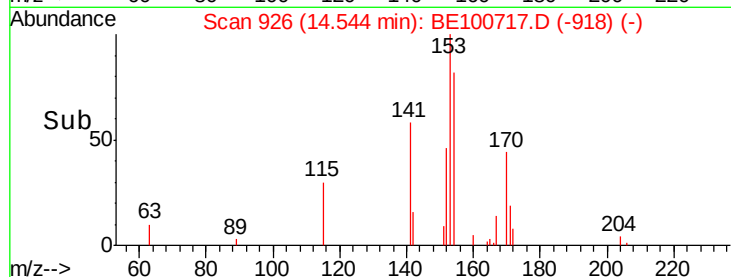
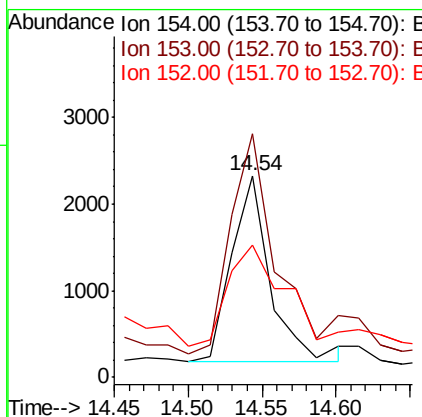
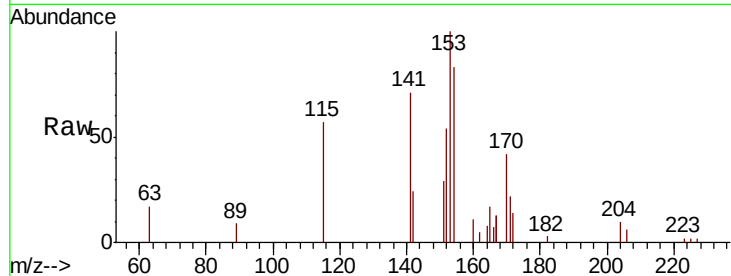




#17
Acenaphthene
Concen: 0.186 ng
RT: 14.54 min Scan# 926
Delta R.T. 0.01 min
Lab File: BE100717.D
Acq: 8 Nov 2019 14:57

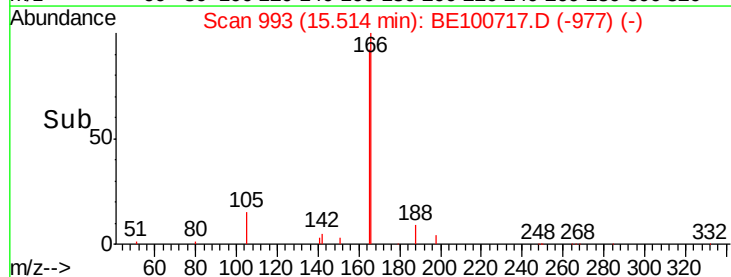
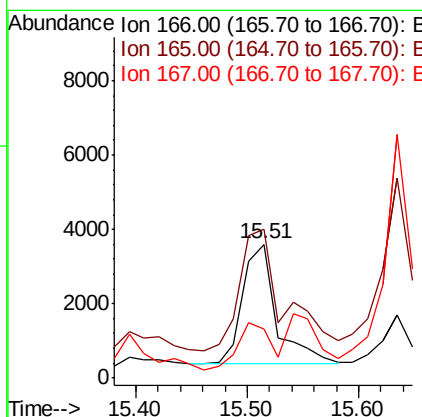
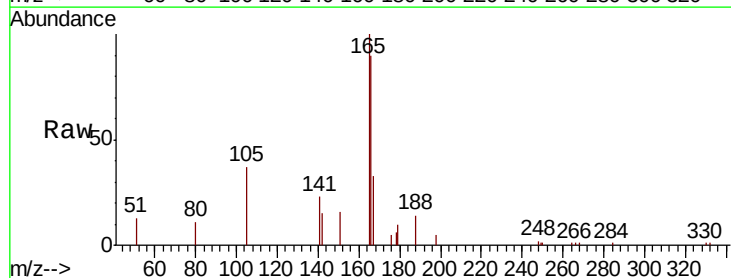
Instrument :
BNA_E
ClientSampleId :

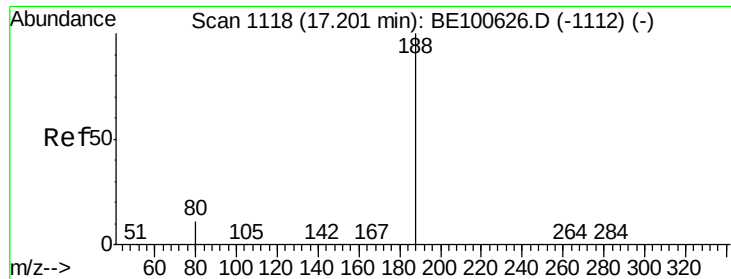
Tot Ion:154 Resp: 3966
Ion Ratio Lower Upper
154 100
153 152.0 89.4 134.2#
152 79.1 44.1 66.1#



#18
Fluorene
Concen: 0.241 ng
RT: 15.51 min Scan# 993
Delta R.T. 0.01 min
Lab File: BE100717.D
Acq: 8 Nov 2019 14:57

Tgt Ion:166 Resp: 6846
Ion Ratio Lower Upper
166 100
165 133.1 78.6 117.8#
167 37.3 10.9 16.3#





#19

Phenanthrene-d10

Concen: 0.400 ng

RT: 17.20 min Scan# 1119

Delta R.T. 0.00 min

Lab File: BE100717.D

Acq: 8 Nov 2019 14:57

Instrument :

BNA_E

ClientSampleId :

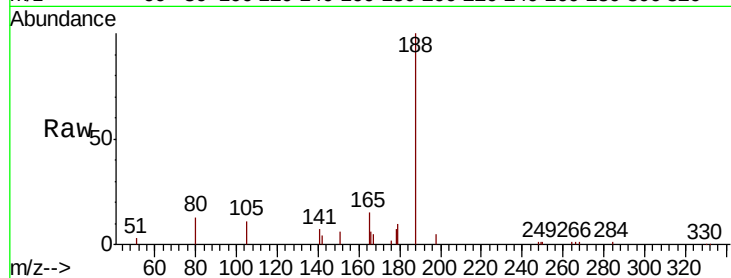
Tot Ion:188 Resp: 16166

Ion Ratio Lower Upper

188 100

94 0.0 0.0 0.0

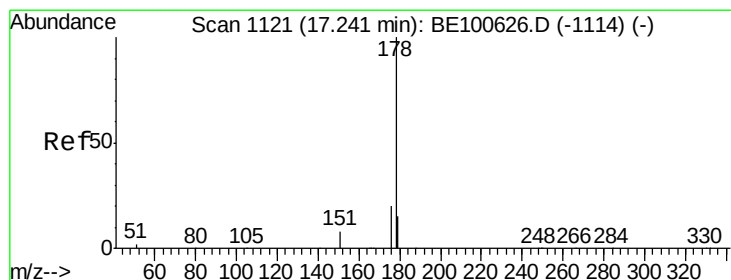
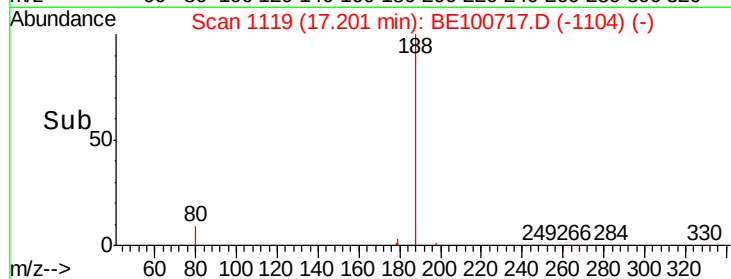
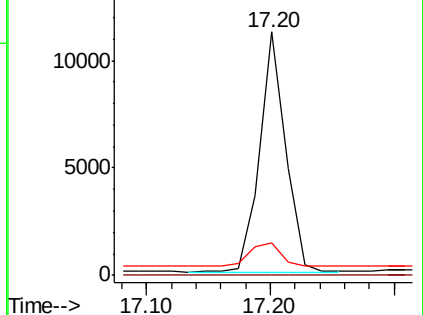
80 13.2 5.4 8.0#



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



#23

Phenanthrene

Concen: 1.287 ng

RT: 17.24 min Scan# 1122

Delta R.T. 0.00 min

Lab File: BE100717.D

Acq: 8 Nov 2019 14:57

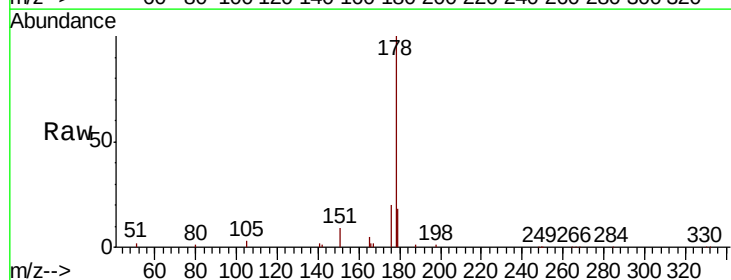
Tgt Ion:178 Resp: 57219

Ion Ratio Lower Upper

178 100

176 18.5 15.2 22.8

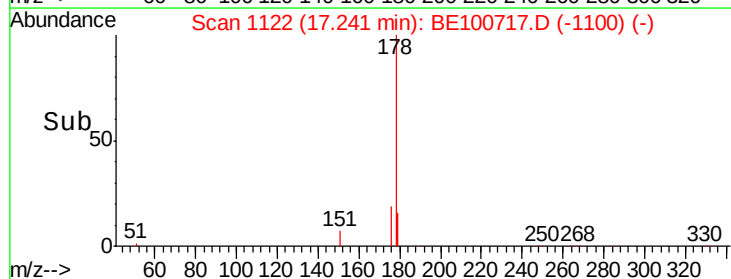
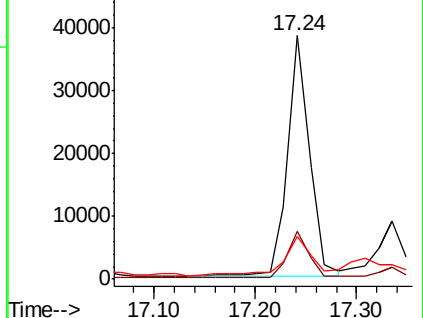
179 20.2 12.1 18.1#

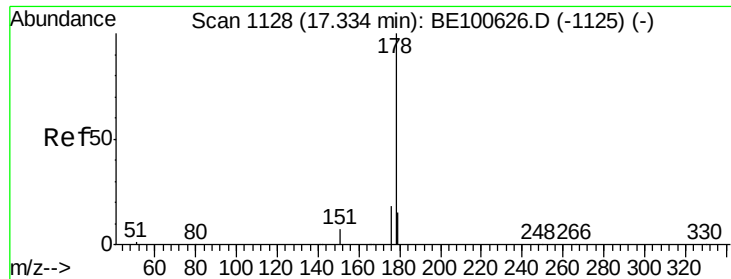


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#24

Anthracene

Concen: 0.325 ng

RT: 17.34 min Scan# 1129

Delta R.T. 0.01 min

Lab File: BE100717.D

Acq: 8 Nov 2019 14:57

Instrument :

BNA_E

ClientSampleId :

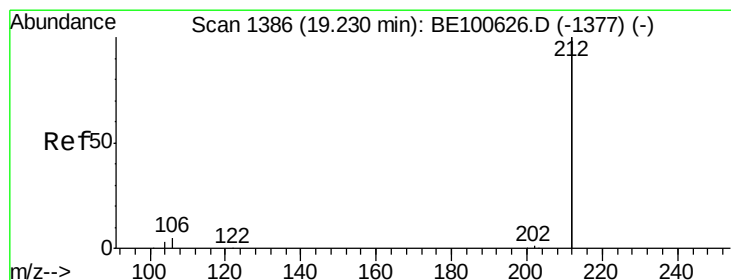
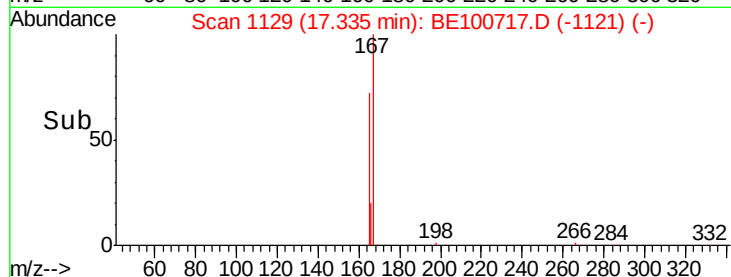
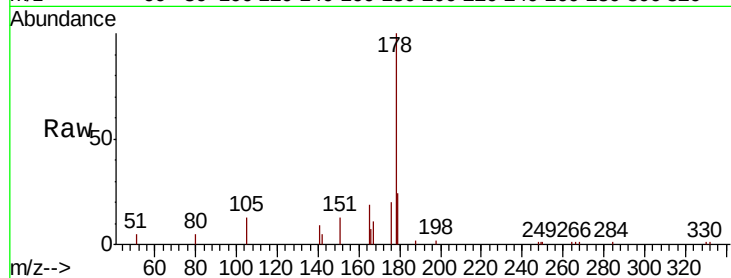
Tot Ion:178 Resp: 13420

Ion Ratio Lower Upper

178 100

176 15.8 15.0 22.4

179 0.0 12.5 18.7#



#25

Fluoranthene-d10

Concen: 0.006 ng

RT: 19.22 min Scan# 1386

Delta R.T. 0.01 min

Lab File: BE100717.D

Acq: 8 Nov 2019 14:57

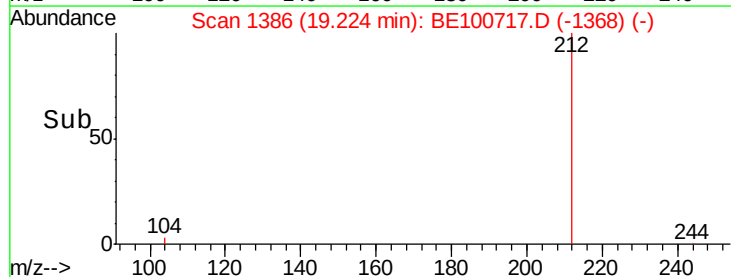
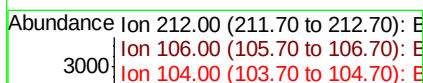
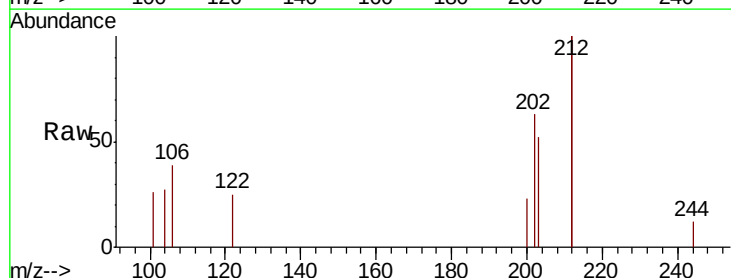
Tgt Ion:212 Resp: 1221

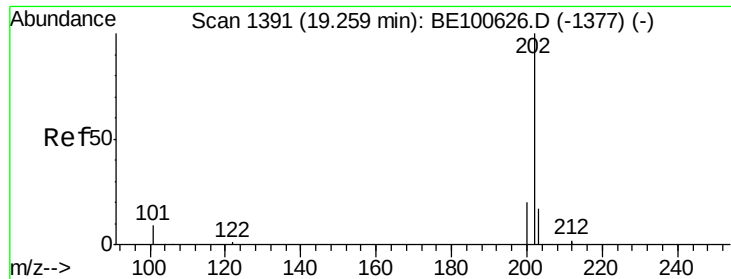
Ion Ratio Lower Upper

212 100

106 0.0 2.3 3.5#

104 0.0 1.3 1.9#

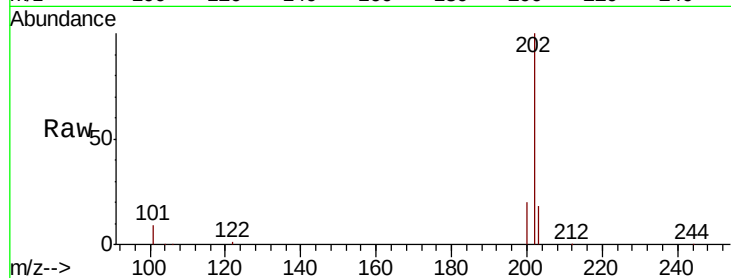




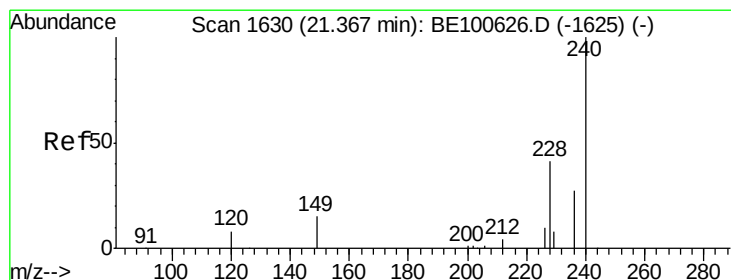
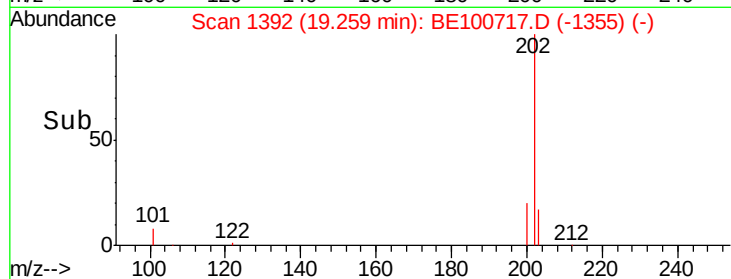
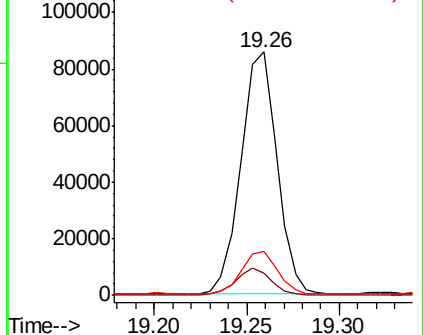
#26
Fluoranthene
Concen: 1.995 ng
RT: 19.26 min Scan# 1392
Delta R.T. 0.01 min
Lab File: BE100717.D
Acq: 8 Nov 2019 14:57

Instrument :
BNA_E
ClientSampled :

Tot Ion:202 Resp: 115776
Ion Ratio Lower Upper
202 100
101 10.6 8.5 12.7
203 17.6 13.8 20.8

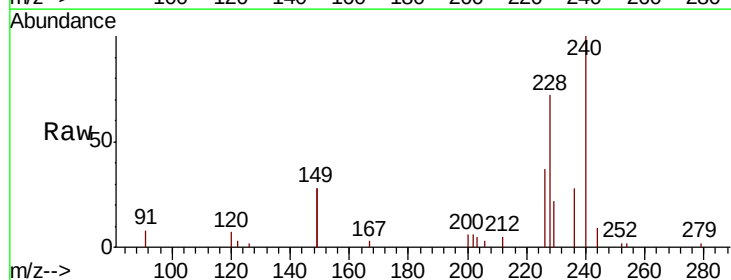


Abundance Ion 202.00 (201.70 to 202.70): E
Ion 101.00 (100.70 to 101.70): E
Ion 203.00 (202.70 to 203.70): E

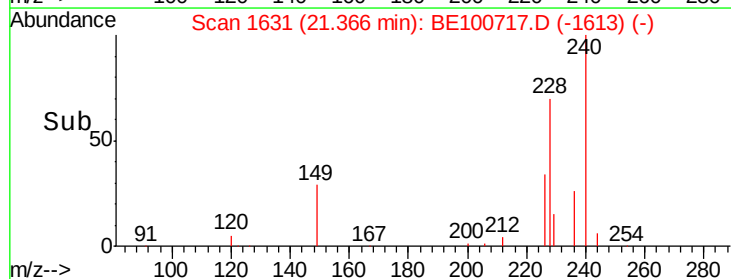
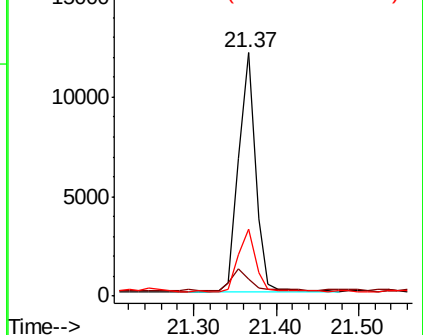


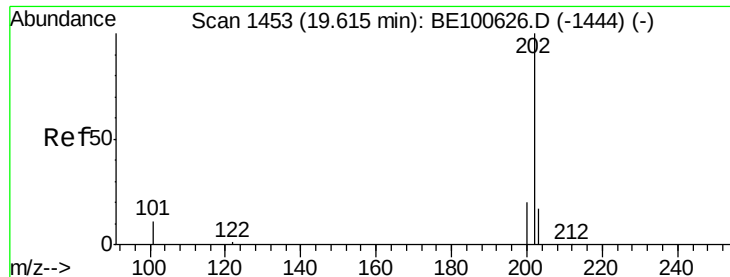
#27
Chrysene-d12
Concen: 0.400 ng
RT: 21.37 min Scan# 1631
Delta R.T. 0.01 min
Lab File: BE100717.D
Acq: 8 Nov 2019 14:57

Tgt Ion:240 Resp: 17104
Ion Ratio Lower Upper
240 100
120 7.1 7.6 11.4#
236 27.7 22.1 33.1



Abundance Ion 240.00 (239.70 to 240.70): E
Ion 120.00 (119.70 to 120.70): E
Ion 236.00 (235.70 to 236.70): E





#28

Pvrene

Concen: 2.515 ng

RT: 19.62 min Scan# 1454

Delta R.T. 0.01 min

Lab File: BE100717.D

Acq: 8 Nov 2019 14:57

Instrument :

BNA_E

ClientSampleId :

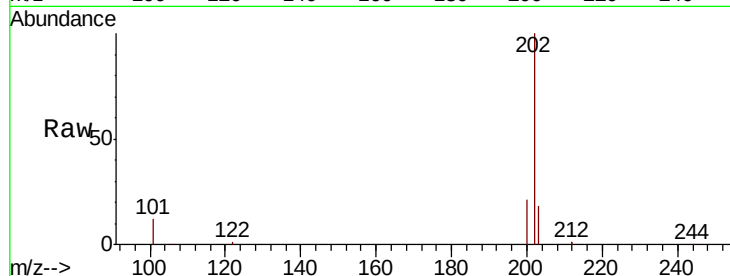
Tot Ion:202 Resp: 120187

Ion Ratio Lower Upper

202 100

200 21.0 16.7 25.1

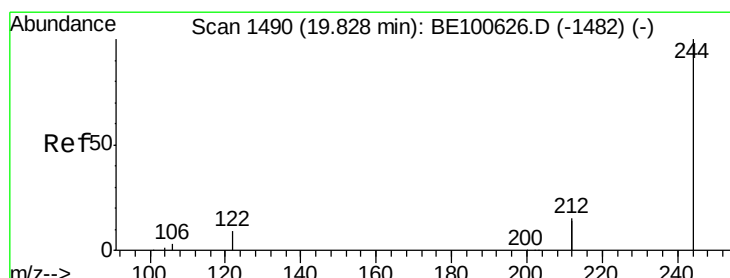
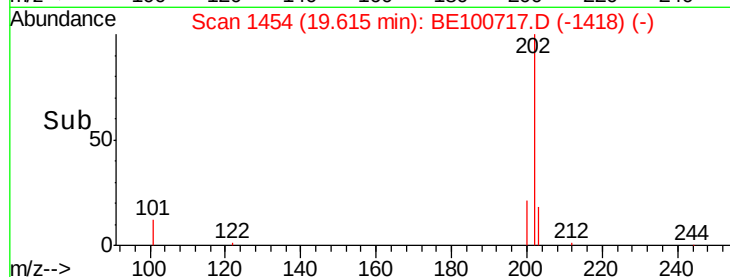
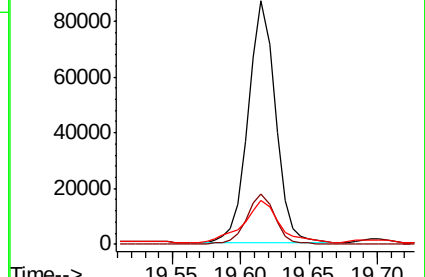
203 22.7 14.0 21.0#



Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E



#29

Terphenyl-d14

Concen: 0.010 ng

RT: 19.82 min Scan# 1489

Delta R.T. 0.00 min

Lab File: BE100717.D

Acq: 8 Nov 2019 14:57

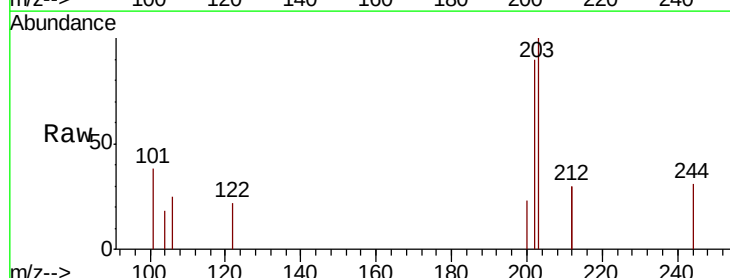
Tgt Ion:244 Resp: 381

Ion Ratio Lower Upper

244 100

212 192.2 23.7 35.5#

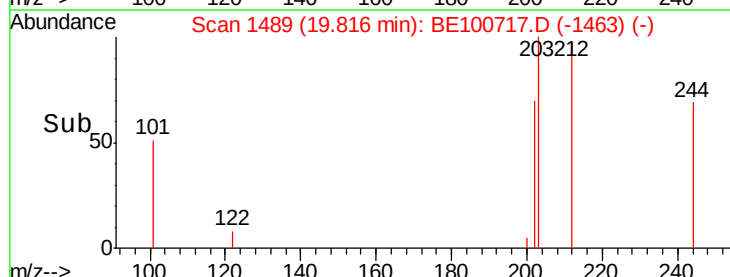
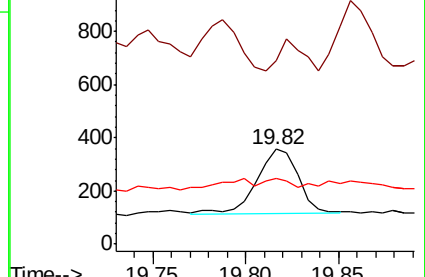
122 69.0 7.9 11.9#

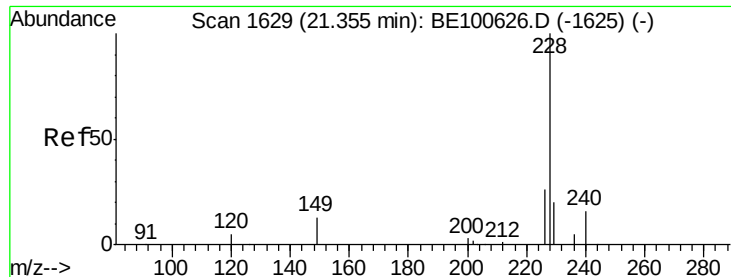


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

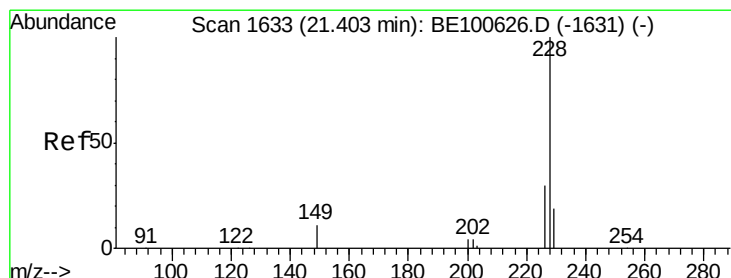
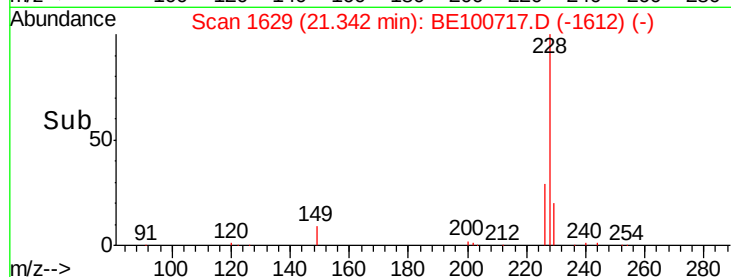
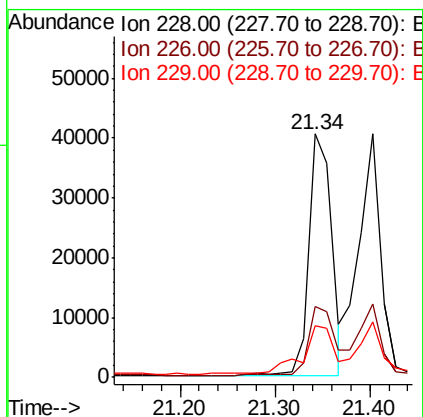
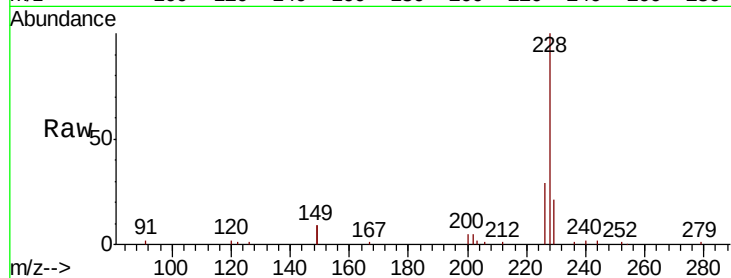




#30
Benzo(a)anthracene
Concen: 1.205 ng
RT: 21.34 min Scan# 1629
Delta R.T. -0.00 min
Lab File: BE100717.D
Acq: 8 Nov 2019 14:57

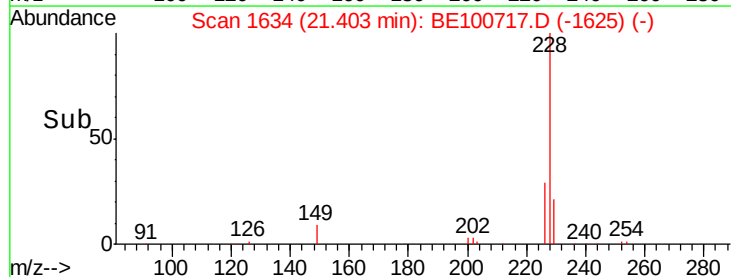
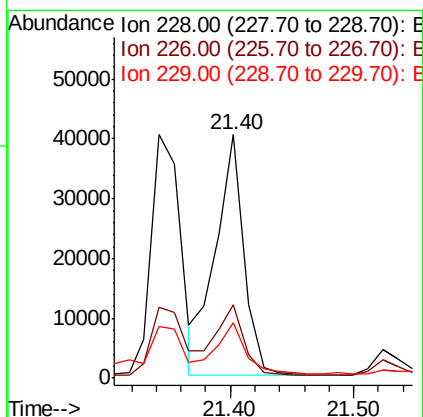
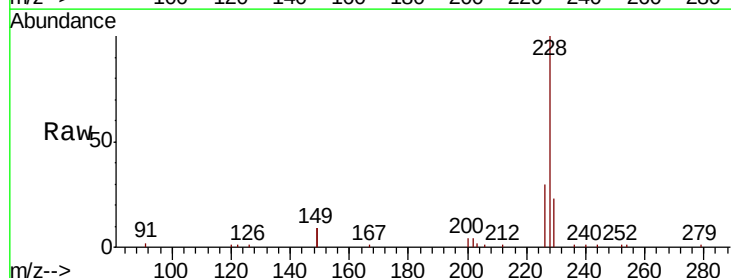
Instrument :
BNA_E
ClientSampled :

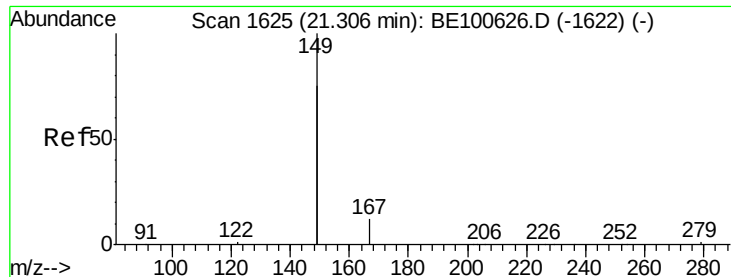
Tot Ion:228 Resp: 67205
Ion Ratio Lower Upper
228 100
226 29.3 21.4 32.0
229 21.4 16.0 24.0



#31
Chrysene
Concen: 1.154 ng
RT: 21.40 min Scan# 1634
Delta R.T. 0.01 min
Lab File: BE100717.D
Acq: 8 Nov 2019 14:57

Tgt Ion:228 Resp: 64326
Ion Ratio Lower Upper
228 100
226 30.1 24.6 37.0
229 22.7 15.8 23.8





#32

Bis(2-ethylhexyl)phthalate

Concen: 0.094 ng

RT: 21.28 min Scan# 1624

Delta R.T. -0.01 min

Lab File: BE100717.D

Acq: 8 Nov 2019 14:57

Instrument :

BNA_E

ClientSampleId :

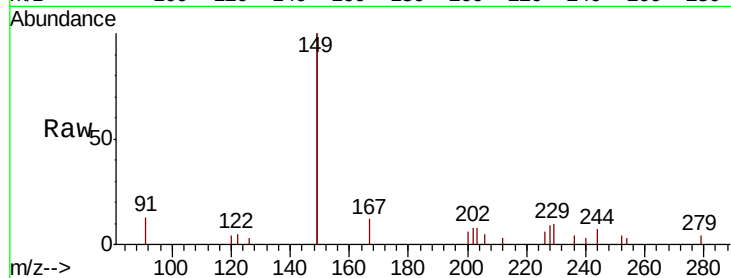
Tot Ion:149 Resp: 10962

Ion Ratio Lower Upper

149 100

167 7.0 5.5 8.3

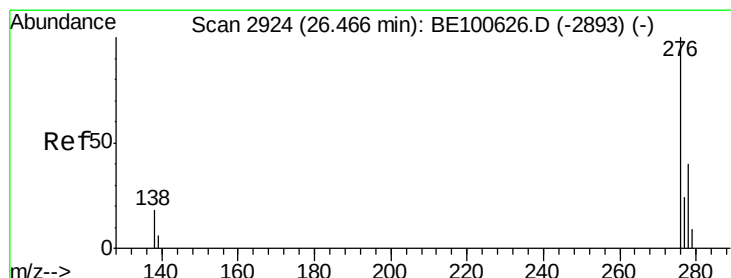
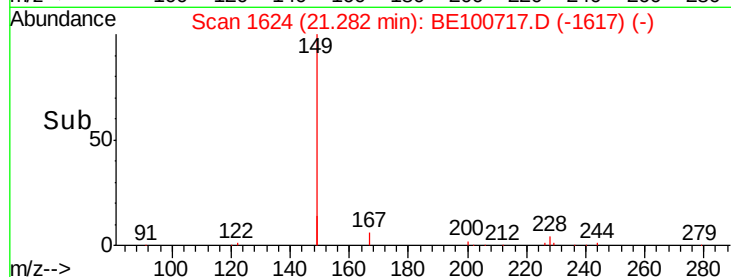
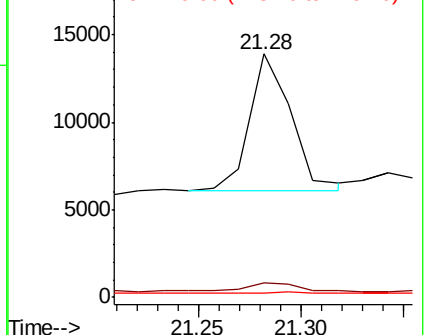
279 1.2 0.9 1.3



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



#33

Indeno(1,2,3-cd)pyrene

Concen: 0.903 ng

RT: 26.47 min Scan# 2926

Delta R.T. 0.04 min

Lab File: BE100717.D

Acq: 8 Nov 2019 14:57

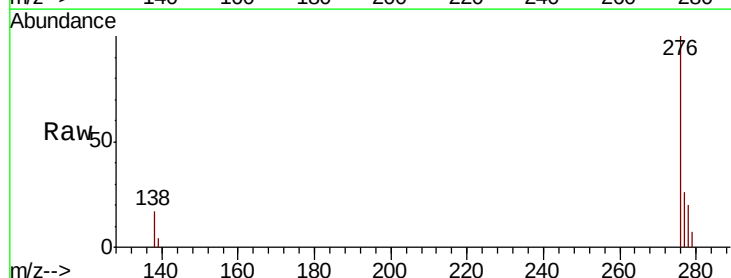
Tgt Ion:276 Resp: 61906

Ion Ratio Lower Upper

276 100

138 15.6 15.3 22.9

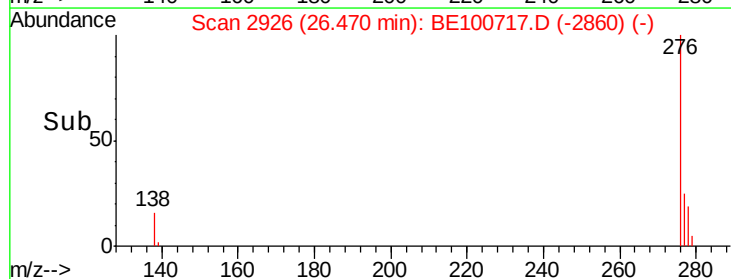
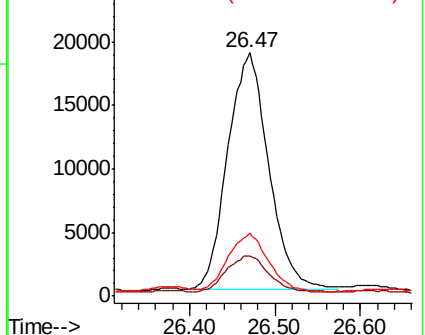
277 24.2 19.4 29.2

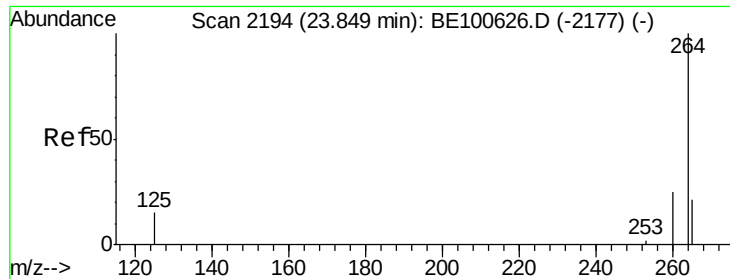


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E

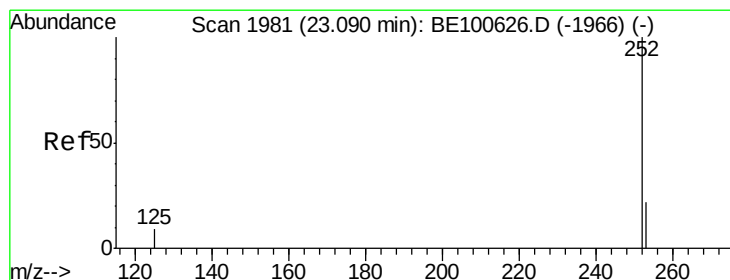
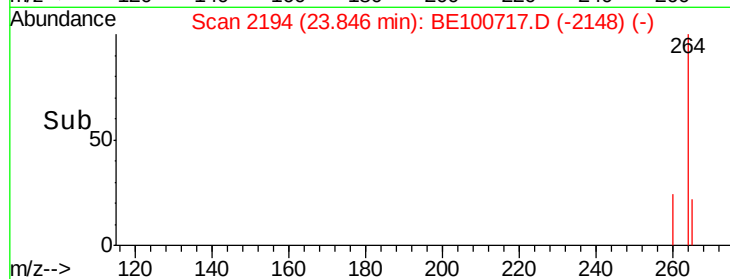
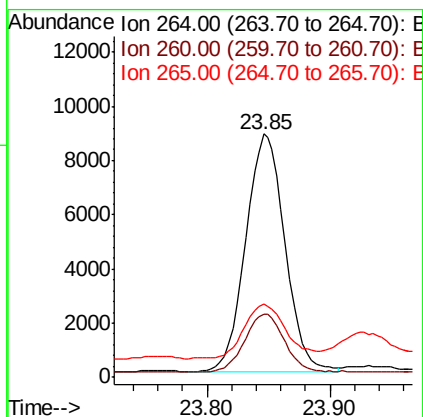
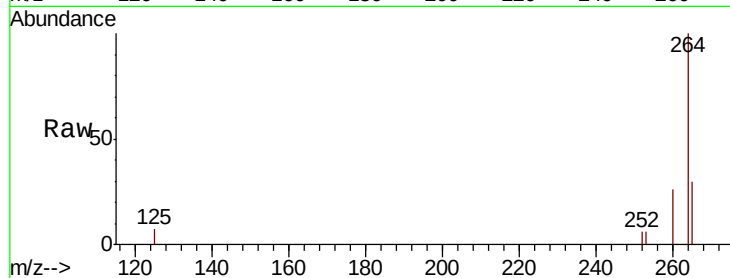




#34
Pervlene-d12
Concen: 0.400 ng
RT: 23.85 min Scan# 2194
Delta R.T. 0.01 min
Lab File: BE100717.D
Acq: 8 Nov 2019 14:57

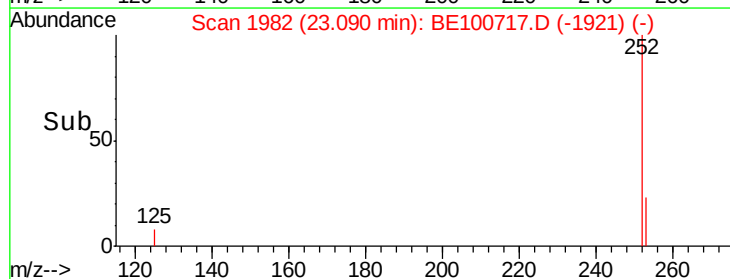
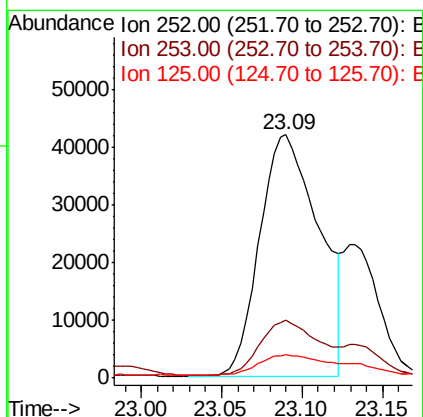
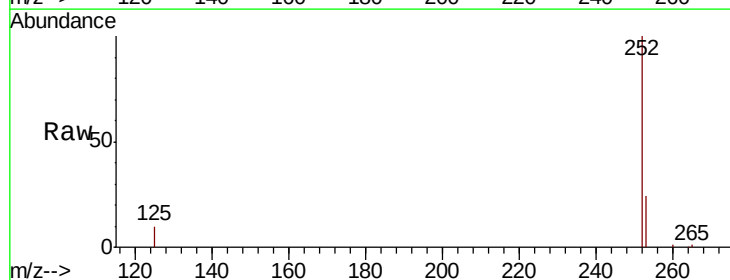
Instrument :
BNA_E
ClientSampleId :

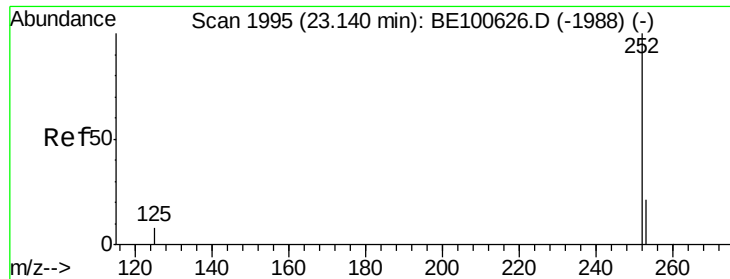
Tot Ion:264 Resp: 19350
Ion Ratio Lower Upper
264 100
260 26.0 19.4 29.2
265 29.9 21.7 32.5



#35
Benzo(b)fluoranthene
Concen: 1.899 ng
RT: 23.09 min Scan# 1982
Delta R.T. 0.02 min
Lab File: BE100717.D
Acq: 8 Nov 2019 14:57

Tgt Ion:252 Resp: 107148
Ion Ratio Lower Upper
252 100
253 23.8 18.4 27.6
125 9.6 7.6 11.4

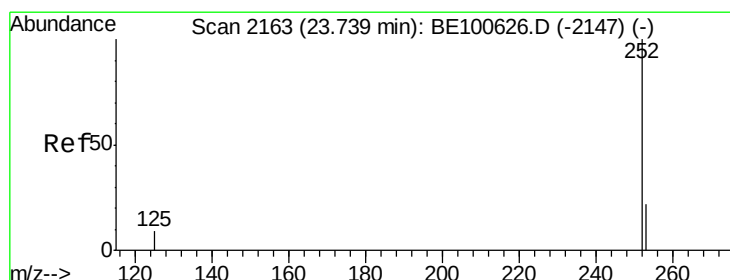
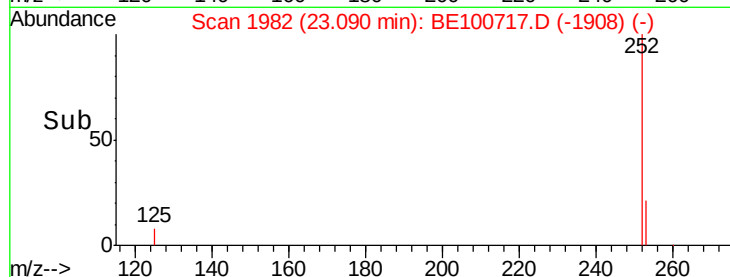
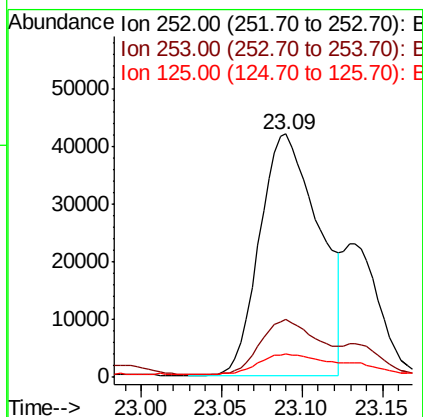
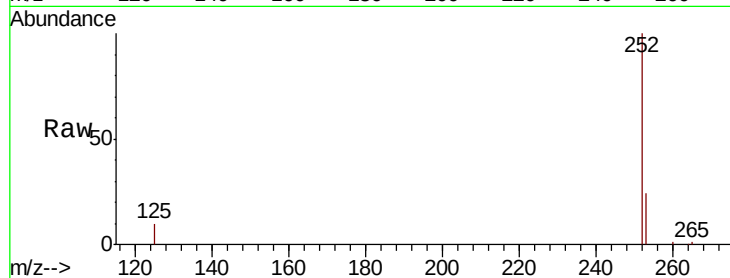




#36
Benzo(k)fluoranthene
Concen: 1.846 ng
RT: 23.09 min Scan# 1982
Delta R.T. -0.04 min
Lab File: BE100717.D
Acq: 8 Nov 2019 14:57

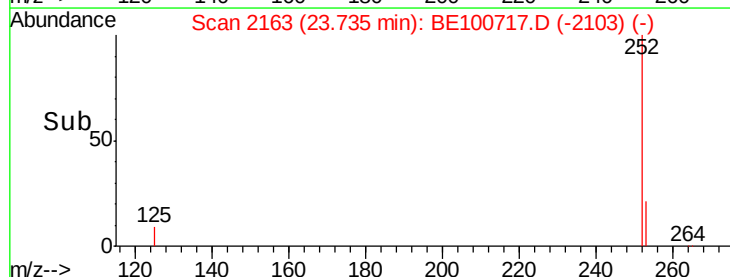
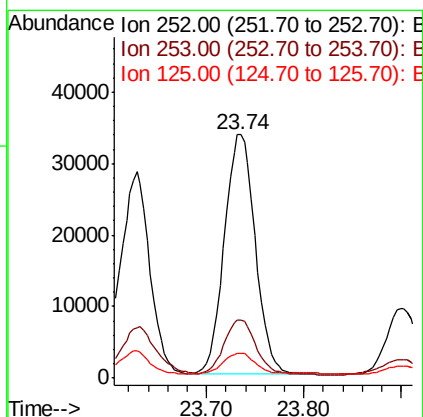
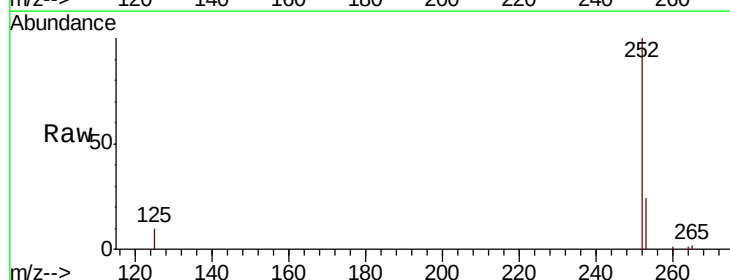
Instrument :
BNA_E
ClientSampleId :

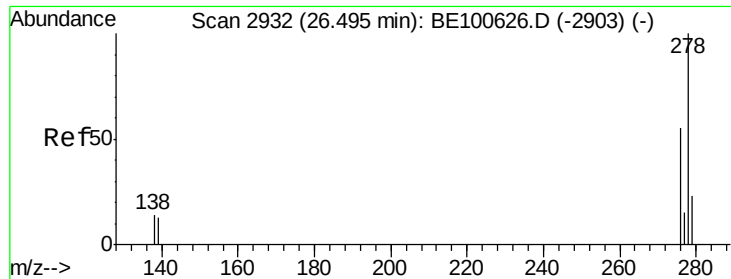
Tot Ion:252 Resp: 107148
Ion Ratio Lower Upper
252 100
253 23.8 18.4 27.6
125 9.6 11.6 17.4#



#37
Benzo(a)pyrene
Concen: 1.416 ng
RT: 23.74 min Scan# 2163
Delta R.T. 0.01 min
Lab File: BE100717.D
Acq: 8 Nov 2019 14:57

Tgt Ion:252 Resp: 74386
Ion Ratio Lower Upper
252 100
253 23.7 18.4 27.6
125 10.3 8.2 12.4

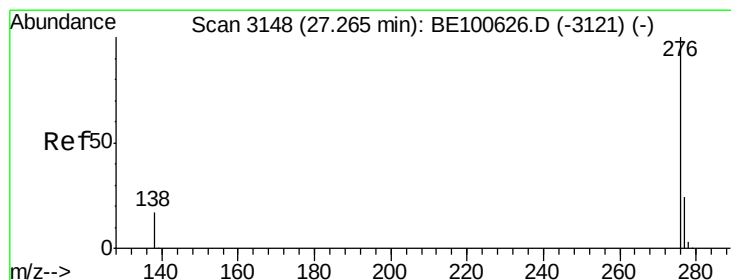
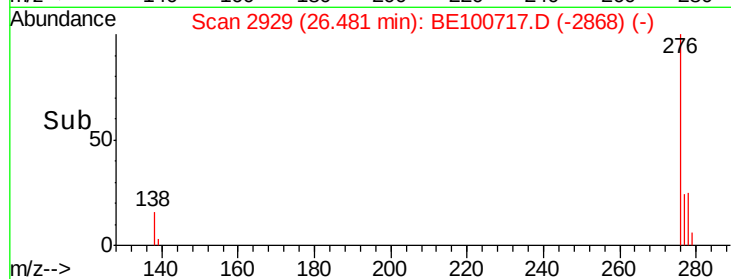
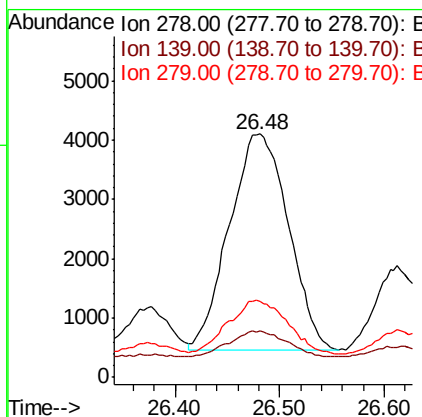
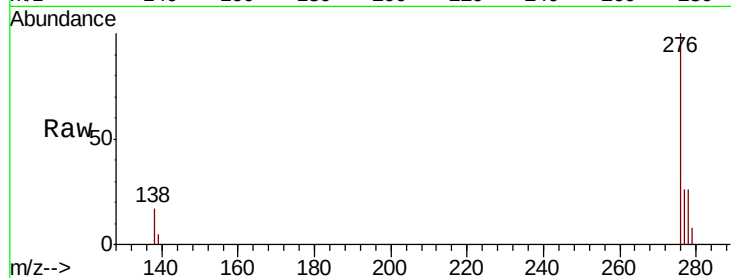




#38
Dibenzo(a,h)anthracene
Concen: 0.263 ng
RT: 26.48 min Scan# 2929
Delta R.T. 0.02 min
Lab File: BE100717.D
Acq: 8 Nov 2019 14:57

Instrument :
BNA_E
ClientSampleId :

Tot Ion:278 Resp: 14296
Ion Ratio Lower Upper
278 100
139 18.9 10.9 16.3#
279 31.4 19.4 29.2#



#39
Benzo(g,h,i)perylene
Concen: 1.186 ng
RT: 27.28 min Scan# 3152
Delta R.T. 0.04 min
Lab File: BE100717.D
Acq: 8 Nov 2019 14:57

Tgt Ion:276 Resp: 64766
Ion Ratio Lower Upper
276 100
277 24.8 19.4 29.0
138 17.6 13.6 20.4

