

Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE110819\
 Data File : BE100712.D
 Acq On : 8 Nov 2019 11:25
 Operator : JU
 Sample : K5725-01DL 25X
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :

Quant Time: Nov 08 12:38:07 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	2046	0.40	ng	0.00
7) Naphthalene-d8	10.64	136	9662	0.40	ng	0.01
13) Acenaphthene-d10	14.48	164	6450	0.40	ng	0.01
19) Phenanthrene-d10	17.20	188	14099	0.40	ng	0.00
27) Chrysene-d12	21.37	240	16099	0.40	ng	0.01
34) Perylene-d12	23.85	264	18280	0.40	ng	0.02

System Monitoring Compounds						
4) 2-Fluorophenol	5.46	112	91	0.01	ng	0.01
5) Phenol-d6	7.02	99	157	0.02	ng	0.01
8) Nitrobenzene-d5	9.00	82	100	0.02	ng	0.01
11) 2-Methylnaphthalene-d10	12.24	152	234	0.02	ng	0.01
14) 2,4,6-Tribromophenol	15.93	330	10	0.01	ng	-0.01
15) 2-Fluorobiphenyl	13.12	172	291	0.01	ng	0.01
25) Fluoranthene-d10	19.23	212	2389	0.01	ng	0.01
29) Terphenyl-d14	19.82	244	885	0.03	ng	0.00

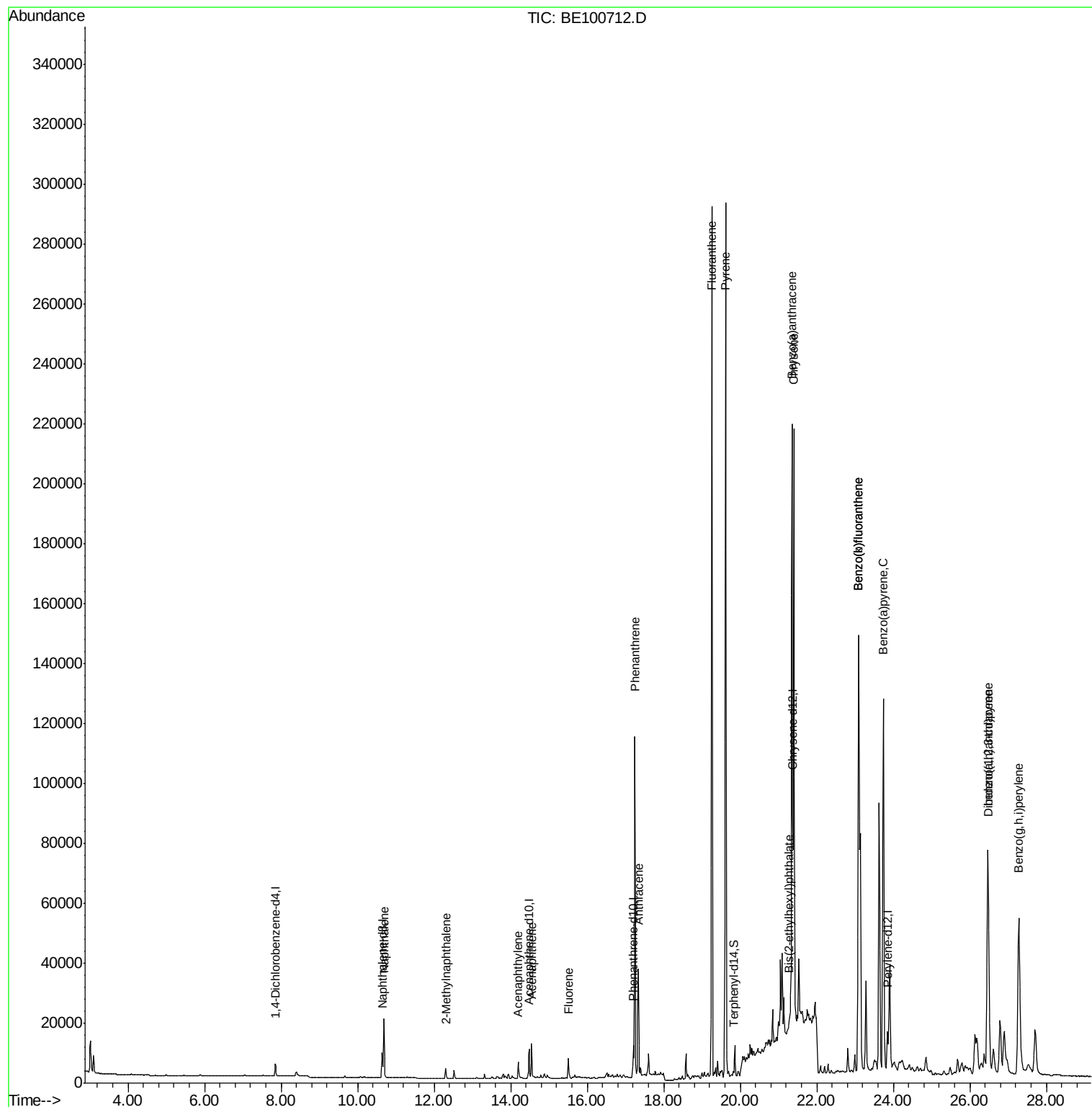
Target Compounds				Qvalue		
9) Naphthalene	10.69	128	34442	0.339	ng	100
12) 2-Methylnaphthalene	12.31	142	2747	0.159	ng	# 94
16) Acenaphthylene	14.20	152	7219	0.260	ng	97
17) Acenaphthene	14.54	154	5819	0.324	ng	98
18) Fluorene	15.51	166	5902	0.248	ng	# 97
23) Phenanthrene	17.24	178	118348	3.052	ng	99
24) Anthracene	17.34	178	38063	1.058	ng	98
26) Fluoranthene	19.26	202	270451	5.343	ng	100
28) Pyrene	19.61	202	281039	6.248	ng	# 94
30) Benzo(a)anthracene	21.35	228	211694	4.031	ng	97
31) Chrysene	21.40	228	168661	3.214	ng	98
32) Bis(2-ethylhexyl)phthalate	21.28	149	5527	0.050	ng	# 94
33) Indeno(1,2,3-cd)pyrene	26.47	276	145446	2.255	ng	96
35) Benzo(b)fluoranthene	23.09	252	280007	5.253	ng	99
36) Benzo(k)fluoranthene	23.09	252	280007	5.108	ng	# 95
37) Benzo(a)pyrene	23.74	252	201811	4.067	ng	98
38) Dibenzo(a,h)anthracene	26.48	278	36529	0.712	ng	# 91
39) Benzo(a,h,i)perylene	27.28	276	142906	2.771	ng	99

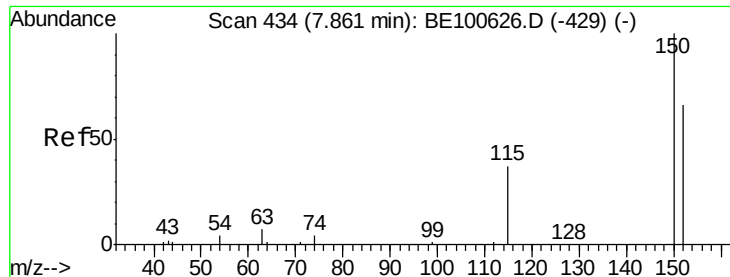
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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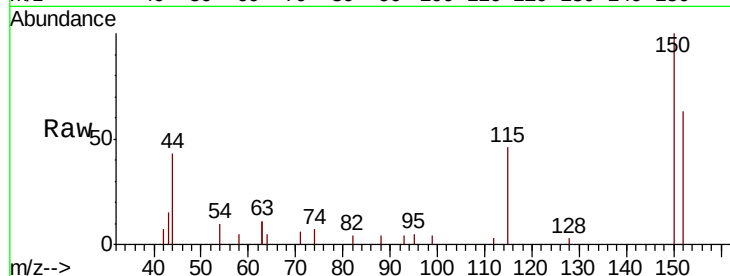


#1

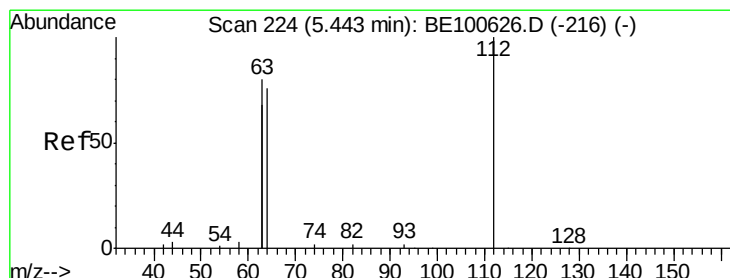
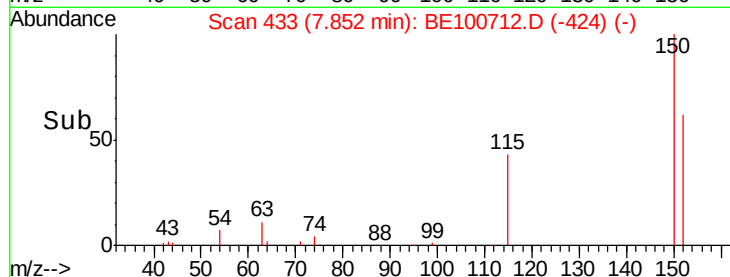
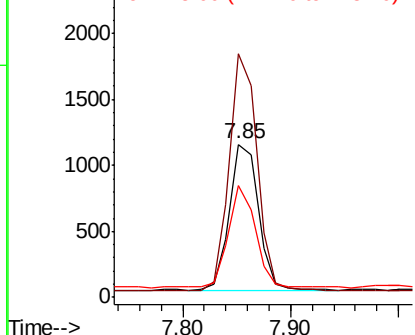
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.85 min Scan# 433
Delta R.T. 0.00 min
Lab File: BE100712.D
Acq: 8 Nov 2019 11:25

Instrument :
BNA_E
ClientSampled :

Tot Ion:152 Resp: 2046
Ion Ratio Lower Upper
152 100
150 159.0 123.3 184.9
115 72.9 51.9 77.9



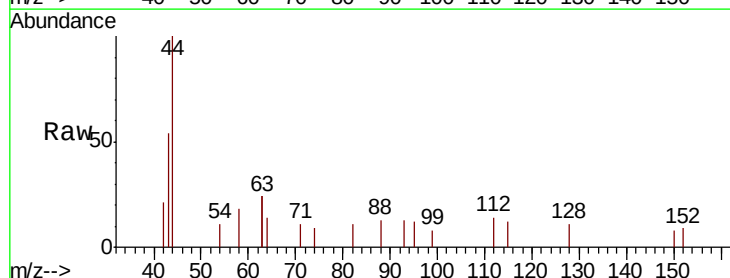
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



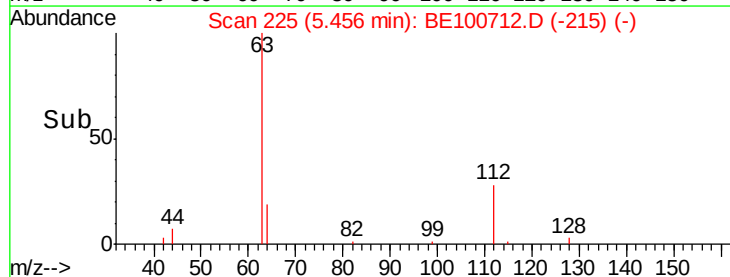
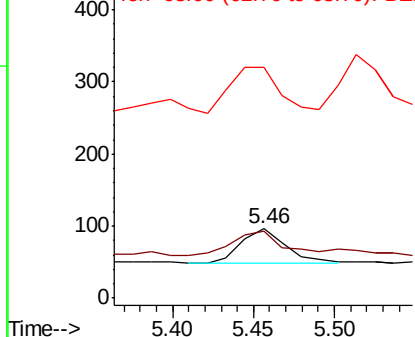
#4

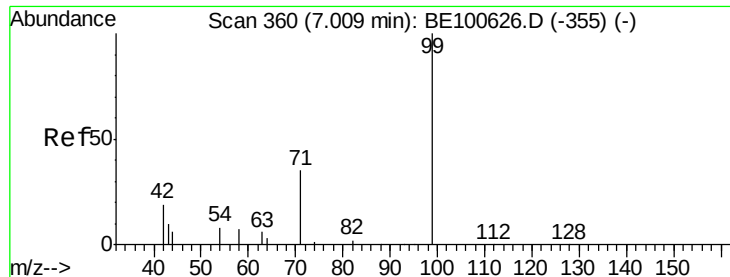
2-Fluorophenol
Concen: 0.014 ng
RT: 5.46 min Scan# 225
Delta R.T. 0.01 min
Lab File: BE100712.D
Acq: 8 Nov 2019 11:25

Tgt Ion:112 Resp: 91
Ion Ratio Lower Upper
112 100
64 80.2 55.4 83.2
63 153.8 114.2 171.4



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: 0.018 ng

RT: 7.02 min Scan# 361

Delta R.T. 0.01 min

Lab File: BE100712.D

Acq: 8 Nov 2019 11:25

Instrument :

BNA_E

ClientSampleId :

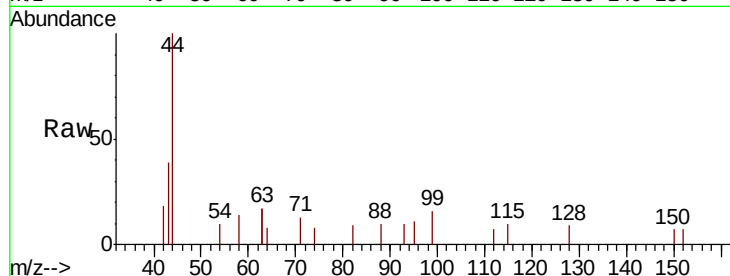
Tot Ion: 99 Resp: 157

Ion Ratio Lower Upper

99 100

42 33.8 17.7 26.5#

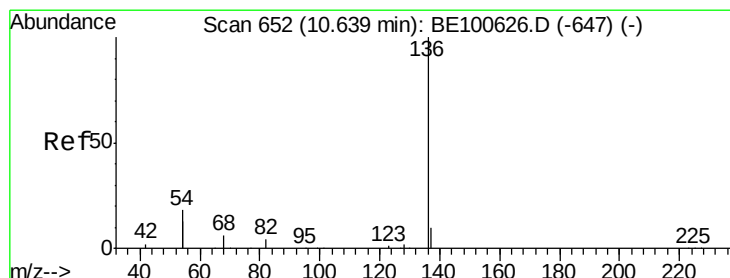
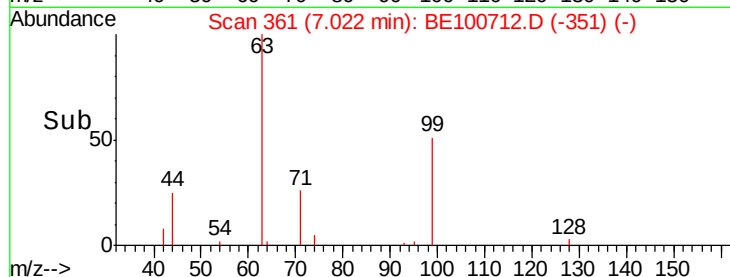
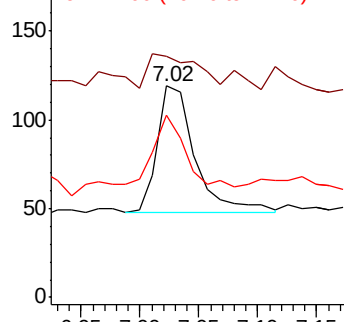
71 78.3 27.4 41.0#



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# 652

Delta R.T. 0.01 min

Lab File: BE100712.D

Acq: 8 Nov 2019 11:25

Tgt Ion: 136 Resp: 9662

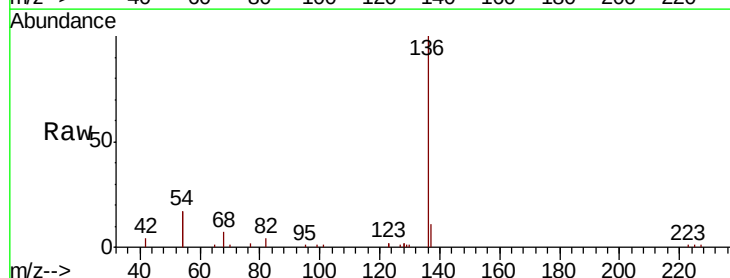
Ion Ratio Lower Upper

136 100

137 11.4 9.2 13.8

54 33.0 39.4 59.2#

68 6.9 8.0 12.0#

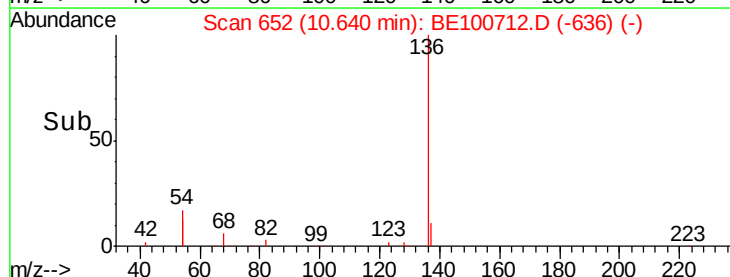
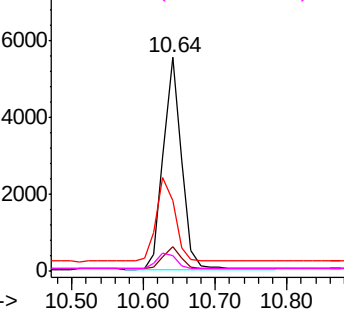


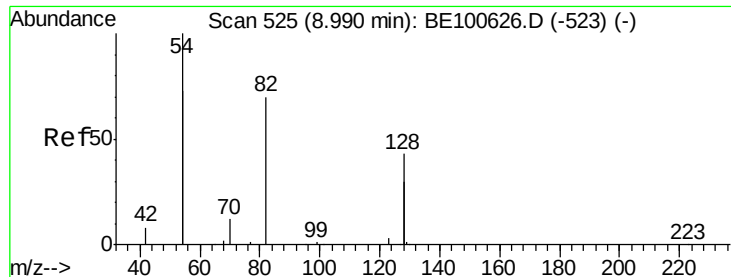
Abundance Ion 136.00 (135.70 to 136.70): E

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: 0.017 ng

RT: 9.00 min Scan# 526

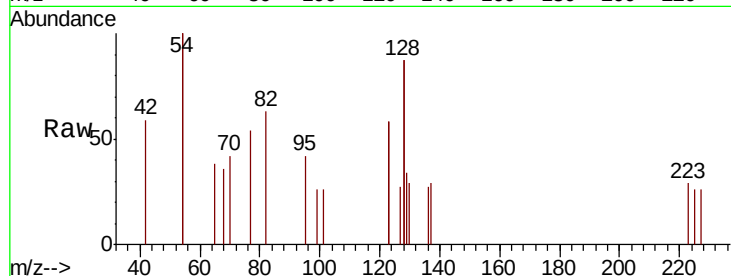
Delta R.T. 0.01 min

Lab File: BE100712.D

Acq: 8 Nov 2019 11:25

Instrument :
BNA_E
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
82	100		
128	276.5	107.8	161.8#
54	316.5	166.1	249.1#

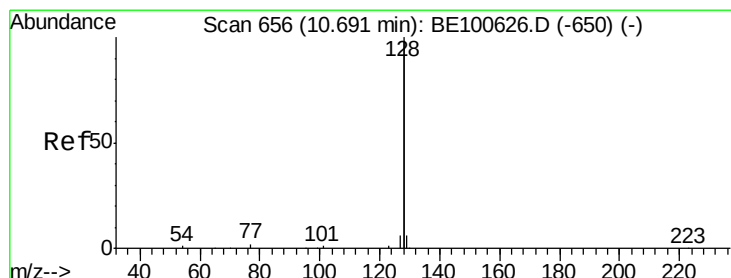
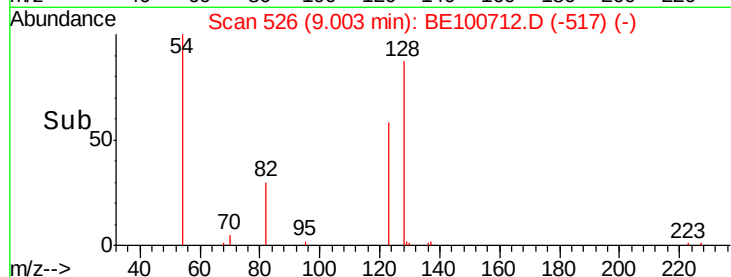
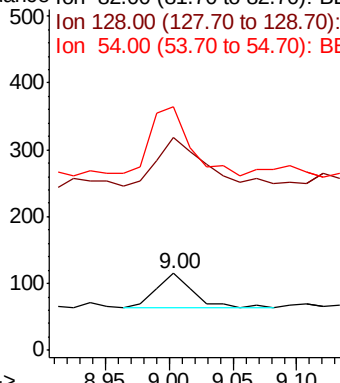


Abundance

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: 0.339 ng

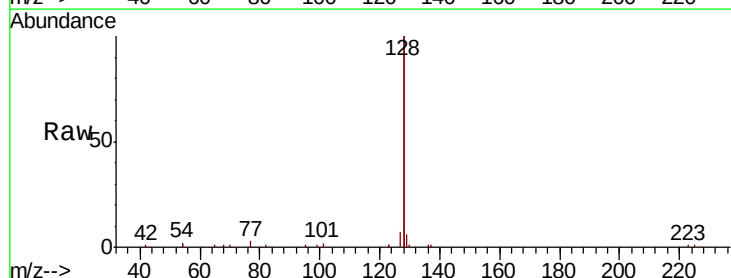
RT: 10.69 min Scan# 656

Delta R.T. 0.01 min

Lab File: BE100712.D

Acq: 8 Nov 2019 11:25

Tgt Ion	Ratio	Lower	Upper
128	100		
129	3.0	2.3	3.5
127	3.4	2.7	4.1

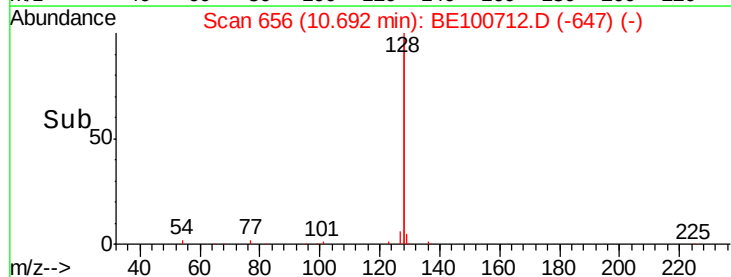
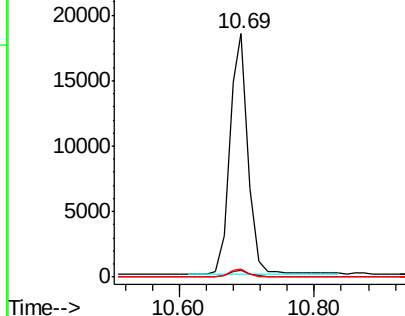


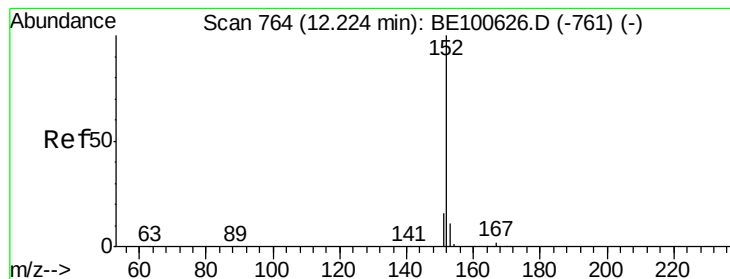
Abundance

Ion 128.00 (127.70 to 128.70): BE1

Ion 129.00 (128.70 to 129.70): BE1

Ion 127.00 (126.70 to 127.70): BE1

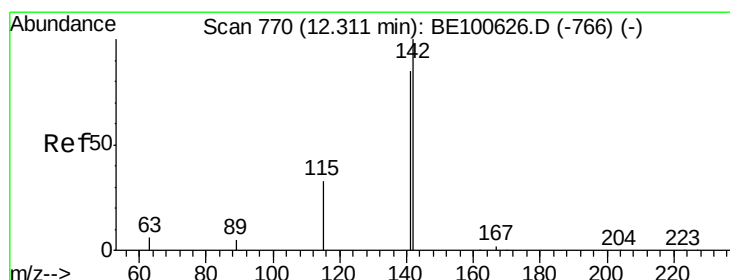
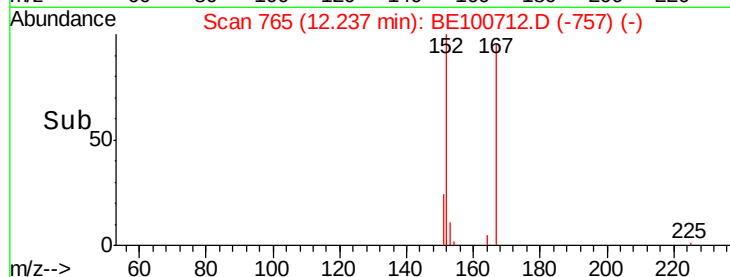
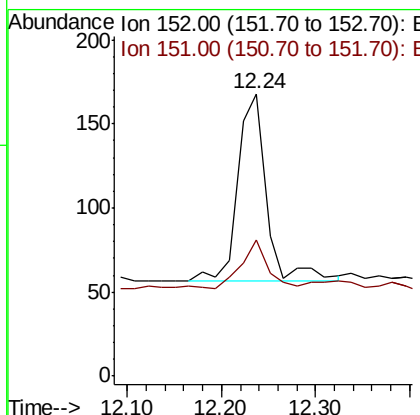
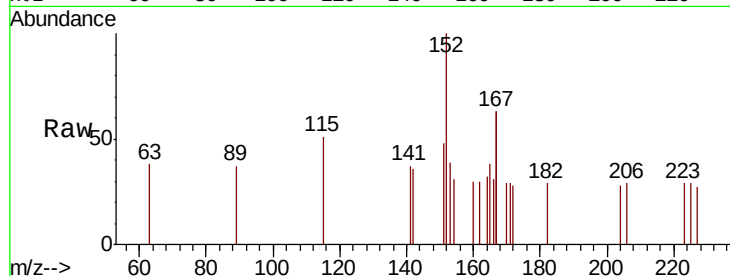




#11
 2-Methylnaphthalene-d10
 Concen: 0.015 ng
 RT: 12.24 min Scan# 765
 Delta R.T. 0.01 min
 Lab File: BE100712.D
 Acq: 8 Nov 2019 11:25

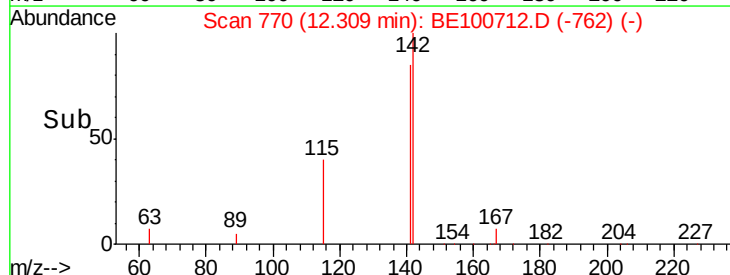
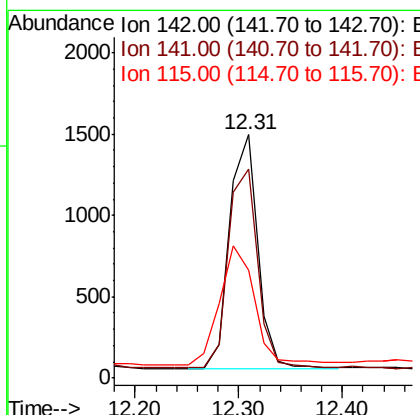
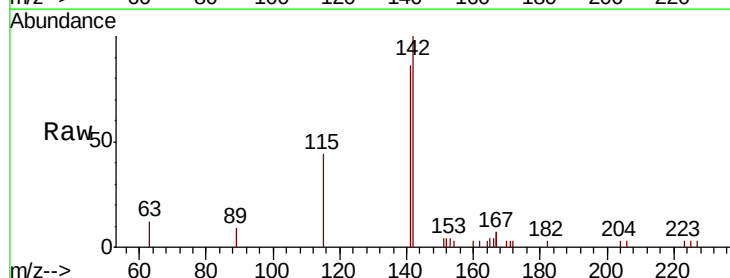
Instrument :
 BNA_E
 ClientSampleId :

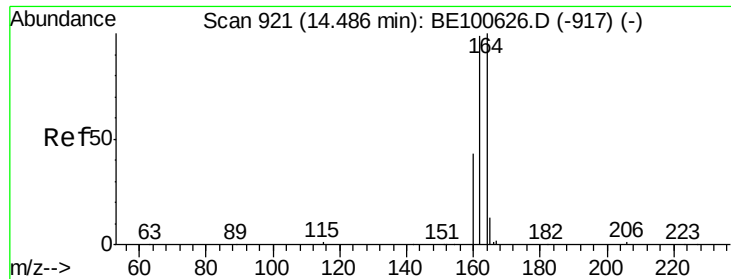
Tot Ion:152 Resp: 234
 Ion Ratio Lower Upper
 152 100
 151 21.8 14.7 22.1



#12
 2-Methylnaphthalene
 Concen: 0.159 ng
 RT: 12.31 min Scan# 770
 Delta R.T. 0.01 min
 Lab File: BE100712.D
 Acq: 8 Nov 2019 11:25

Tgt Ion:142 Resp: 2747
 Ion Ratio Lower Upper
 142 100
 141 86.1 70.1 105.1
 115 44.3 28.3 42.5#

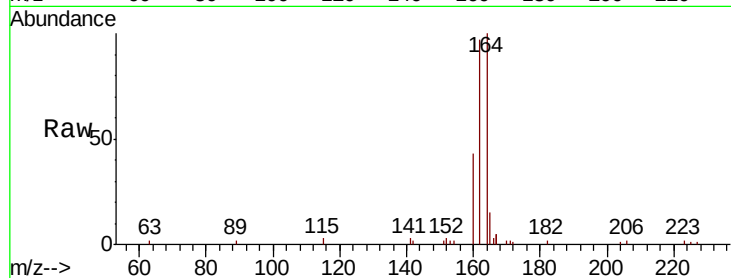




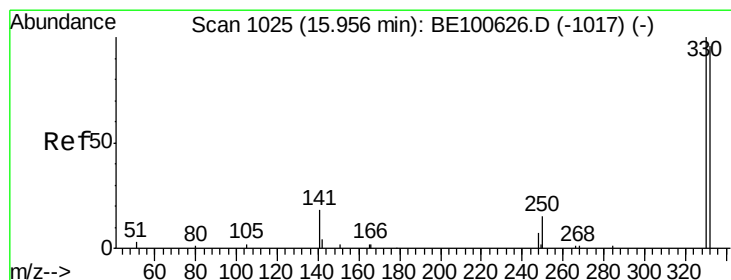
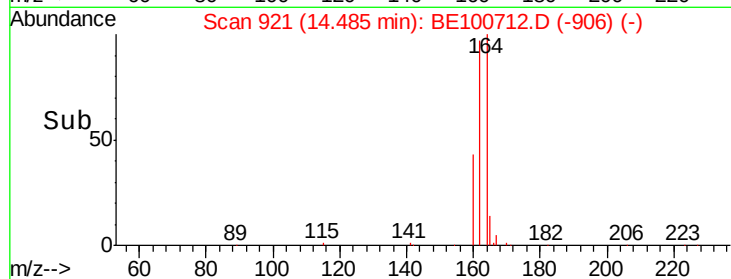
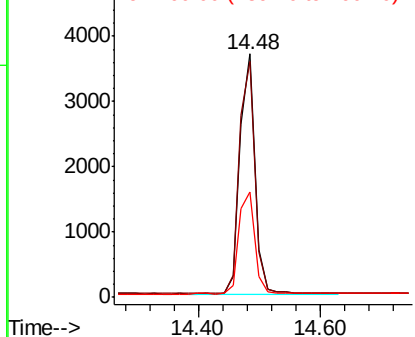
#13
 Acenaphthene-d10
 Concen: 0.400 ng
 RT: 14.48 min Scan# 921
 Delta R.T. 0.01 min
 Lab File: BE100712.D
 Acq: 8 Nov 2019 11:25

Instrument :
 BNA_E
 ClientSampleId :

Tot Ion:164 Resp: 6450
 Ion Ratio Lower Upper
 164 100
 162 97.1 82.0 123.0
 160 43.5 37.5 56.3

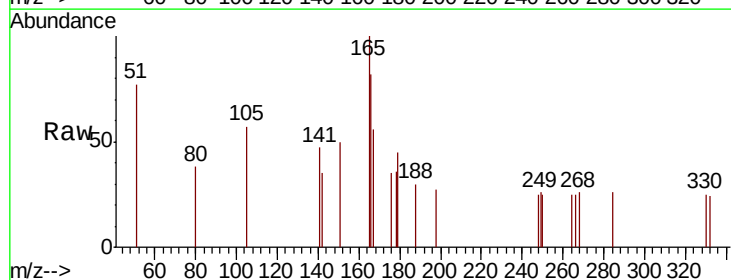


Abundance Ion 164.00 (163.70 to 164.70): E
 Ion 162.00 (161.70 to 162.70): E
 Ion 160.00 (159.70 to 160.70): E

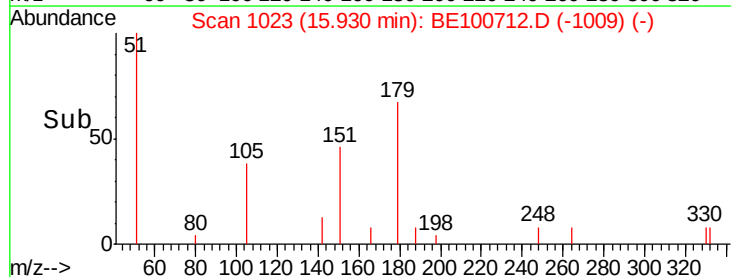
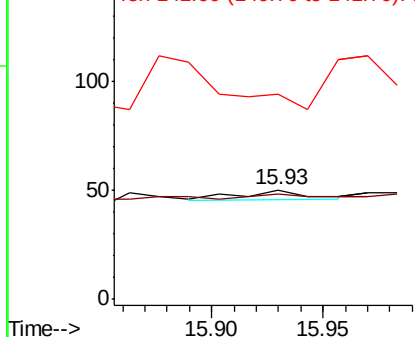


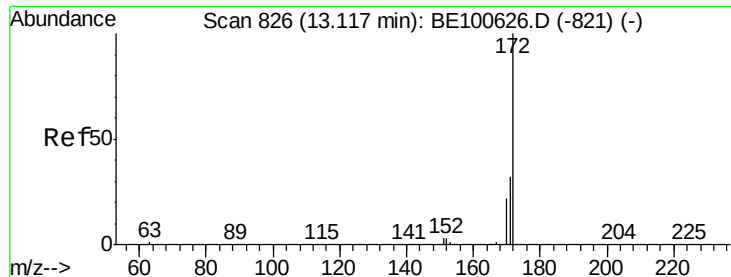
#14
 2,4,6-Tribromophenol
 Concen: 0.006 ng
 RT: 15.93 min Scan# 1023
 Delta R.T. -0.01 min
 Lab File: BE100712.D
 Acq: 8 Nov 2019 11:25

Tgt Ion:330 Resp: 10
 Ion Ratio Lower Upper
 330 100
 332 40.0 77.9 116.9#
 141 0.0 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

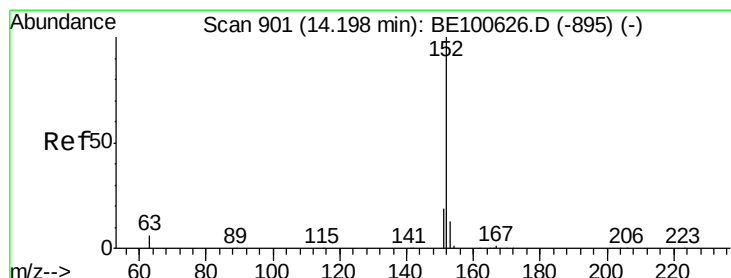
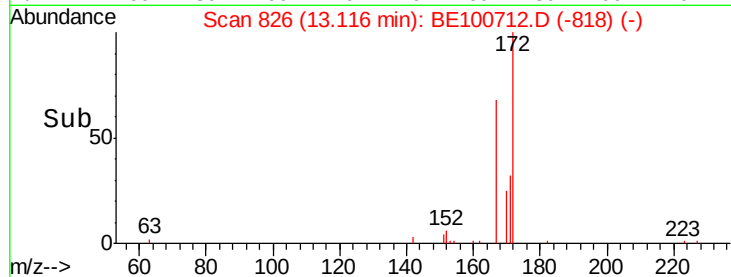
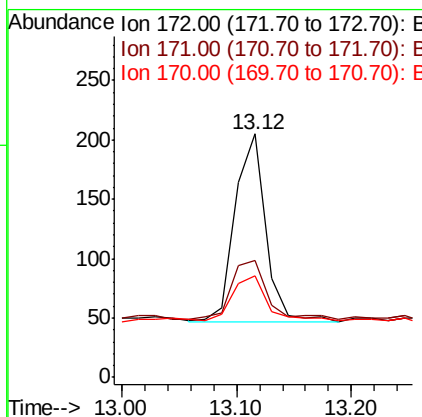
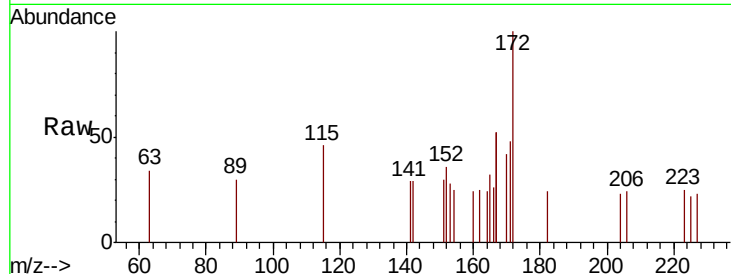




#15
2-Fluorobiphenyl
Concen: 0.012 ng
RT: 13.12 min Scan# 826
Delta R.T. 0.01 min
Lab File: BE100712.D
Acq: 8 Nov 2019 11:25

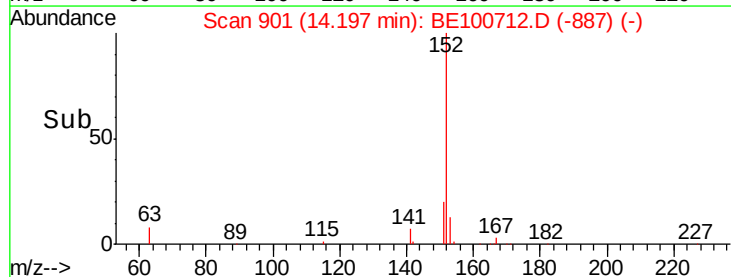
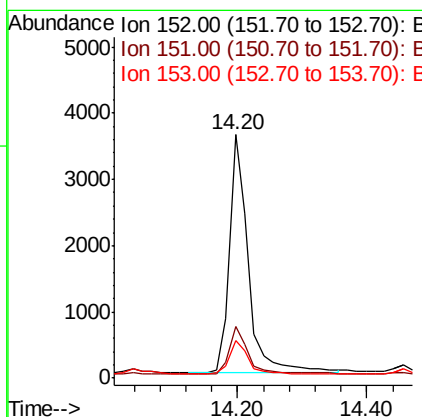
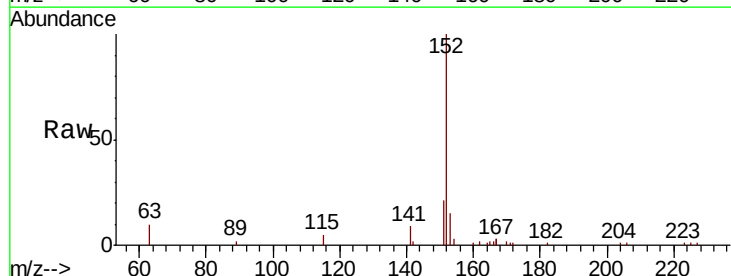
Instrument :
BNA_E
ClientSampled :

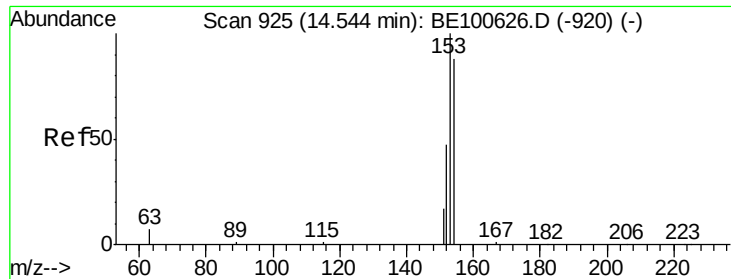
Tot Ion:172 Resp: 291
Ion Ratio Lower Upper
172 100
171 48.3 26.5 39.7#
170 42.0 19.0 28.4#



#16
Acenaphthylene
Concen: 0.260 ng
RT: 14.20 min Scan# 901
Delta R.T. -0.00 min
Lab File: BE100712.D
Acq: 8 Nov 2019 11:25

Tgt Ion:152 Resp: 7219
Ion Ratio Lower Upper
152 100
151 19.9 15.2 22.8
153 14.3 10.3 15.5

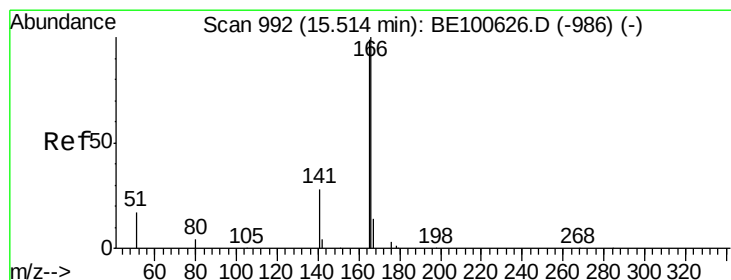
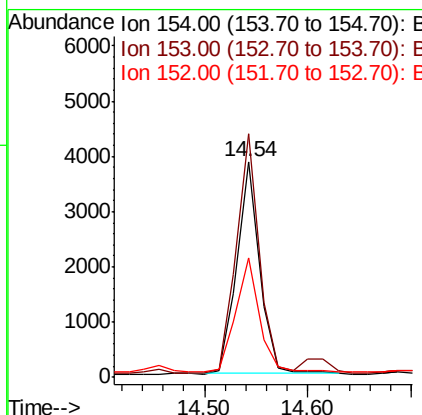
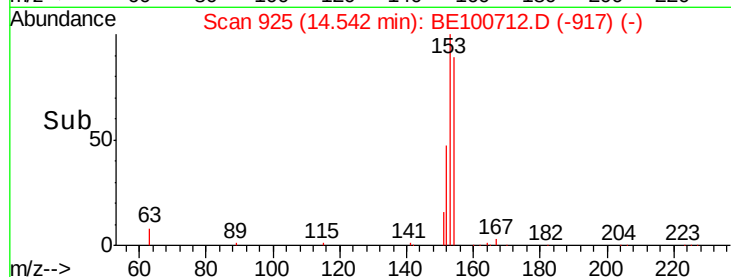
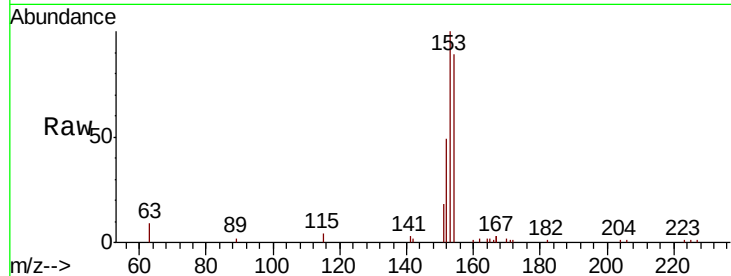




#17
Acenaphthene
Concen: 0.324 ng
RT: 14.54 min Scan# 925
Delta R.T. 0.01 min
Lab File: BE100712.D
Acq: 8 Nov 2019 11:25

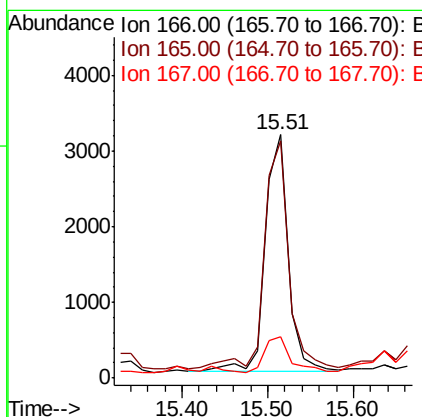
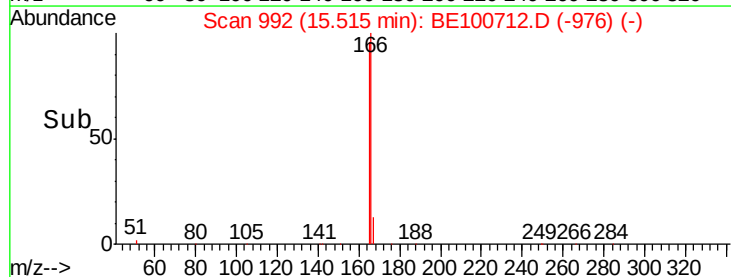
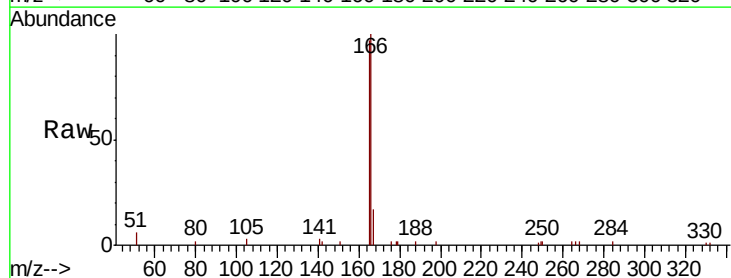
Instrument :
BNA_E
ClientSampleId :

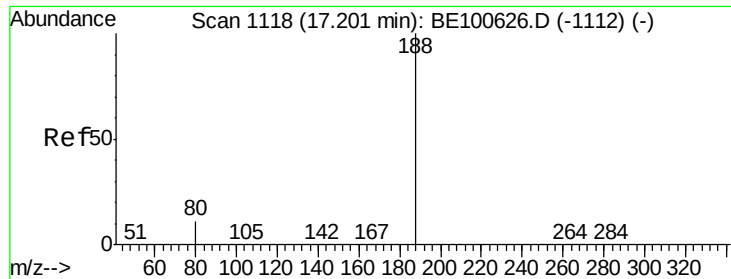
Tot Ion:154 Resp: 5819
Ion Ratio Lower Upper
154 100
153 114.3 89.4 134.2
152 56.6 44.1 66.1



#18
Fluorene
Concen: 0.248 ng
RT: 15.51 min Scan# 992
Delta R.T. 0.01 min
Lab File: BE100712.D
Acq: 8 Nov 2019 11:25

Tgt Ion:166 Resp: 5902
Ion Ratio Lower Upper
166 100
165 100.3 78.6 117.8
167 17.3 10.9 16.3#

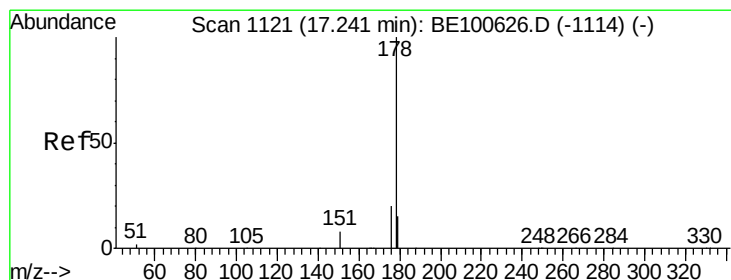
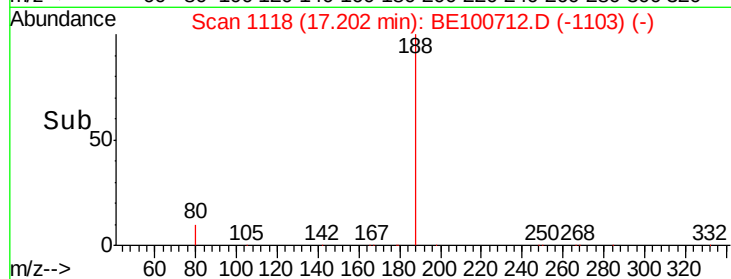
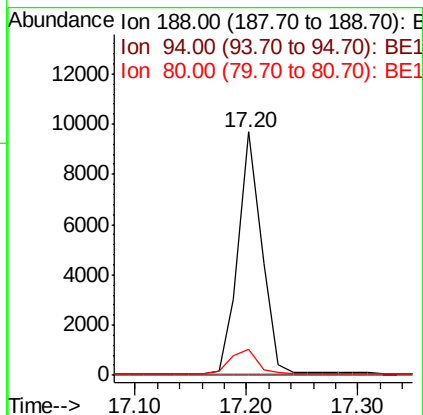
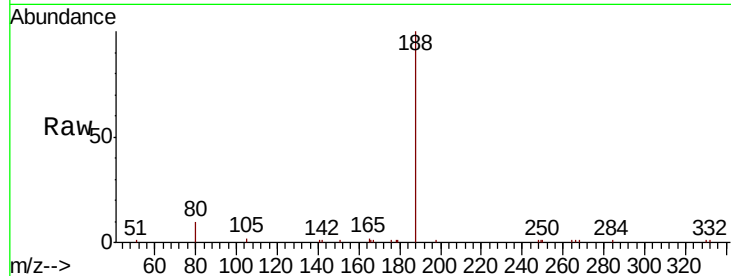




#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.20 min Scan# 1118
Delta R.T. 0.00 min
Lab File: BE100712.D
Acq: 8 Nov 2019 11:25

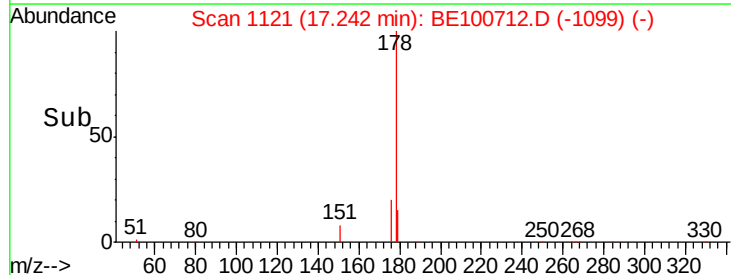
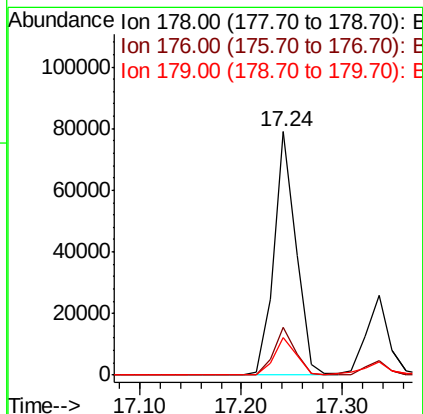
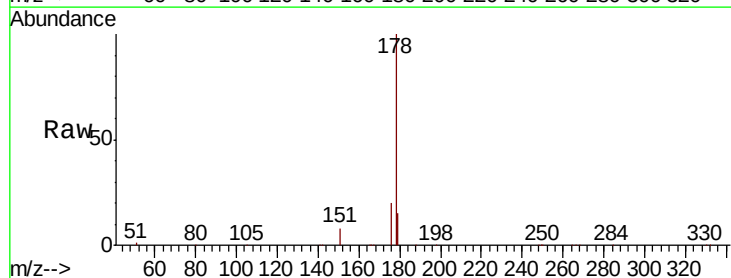
Instrument :
BNA_E
ClientSampleId :

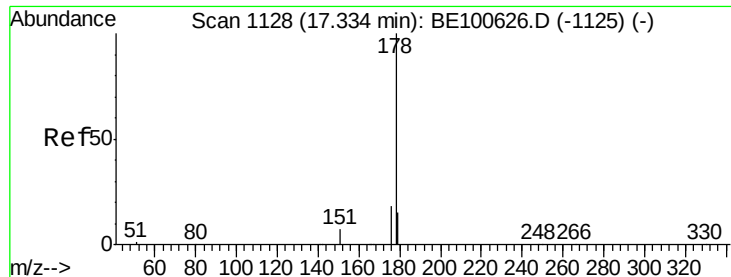
Tot Ion:188 Resp: 14099
Ion Ratio Lower Upper
188 100
94 0.0 0.0 0.0
80 10.5 5.4 8.0#



#23
Phenanthrene
Concen: 3.052 ng
RT: 17.24 min Scan# 1121
Delta R.T. 0.00 min
Lab File: BE100712.D
Acq: 8 Nov 2019 11:25

Tgt Ion:178 Resp: 118348
Ion Ratio Lower Upper
178 100
176 19.4 15.2 22.8
179 15.5 12.1 18.1





#24

Anthracene

Concen: 1.058 ng

RT: 17.34 min Scan# 1128

Delta R.T. 0.01 min

Lab File: BE100712.D

Acq: 8 Nov 2019 11:25

Instrument :

BNA_E

ClientSampleId :

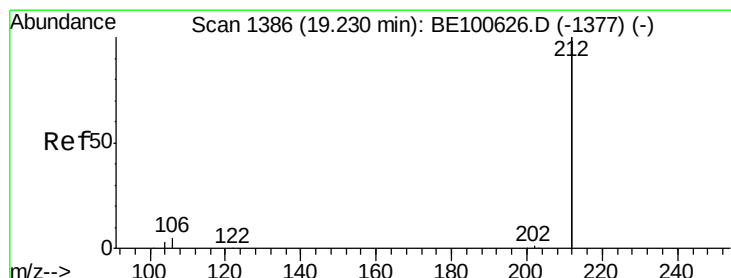
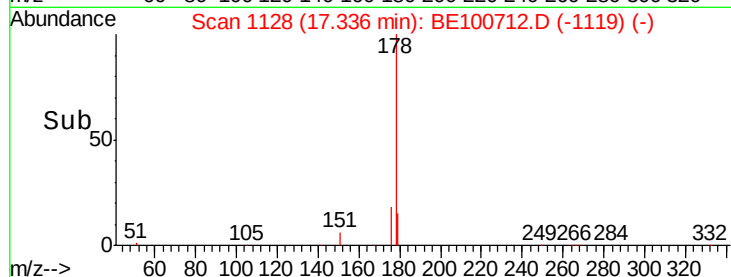
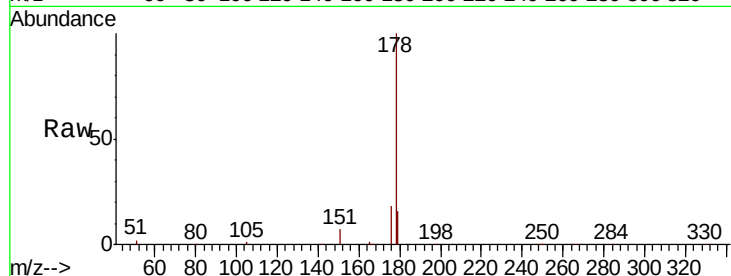
Tot Ion:178 Resp: 38063

Ion Ratio Lower Upper

178 100

176 18.1 15.0 22.4

179 16.7 12.5 18.7



#25

Fluoranthene-d10

Concen: 0.013 ng

RT: 19.23 min Scan# 1386

Delta R.T. 0.01 min

Lab File: BE100712.D

Acq: 8 Nov 2019 11:25

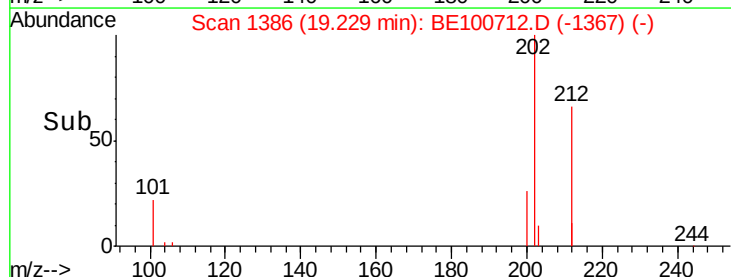
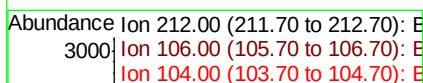
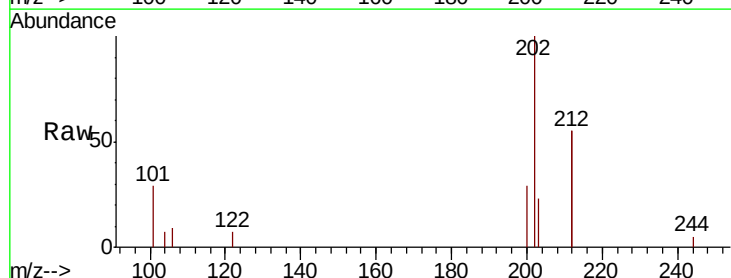
Tgt Ion:212 Resp: 2389

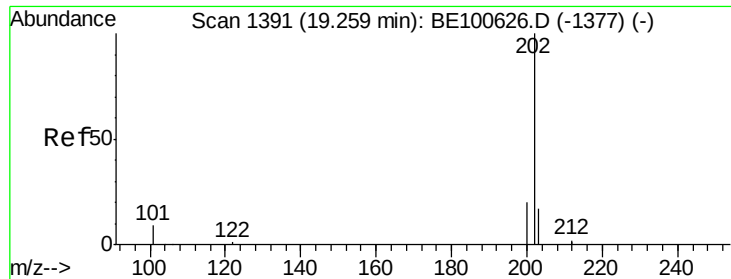
Ion Ratio Lower Upper

212 100

106 2.8 2.3 3.5

104 5.0 1.3 1.9#

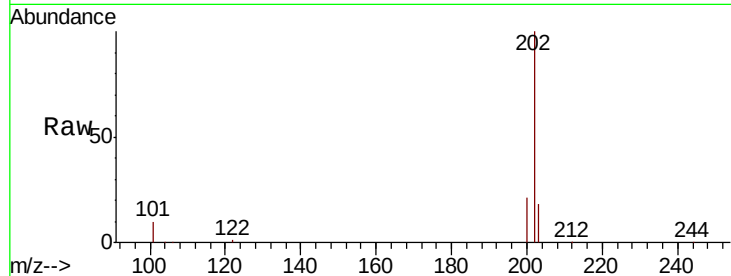




#26
Fluoranthene
Concen: 5.343 ng
RT: 19.26 min Scan# 1391
Delta R.T. 0.01 min
Lab File: BE100712.D
Acq: 8 Nov 2019 11:25

Instrument :
BNA_E
ClientSampled :

Tot Ion	Ratio	Lower	Upper
202	100		
101	10.6	8.5	12.7
203	17.5	13.8	20.8

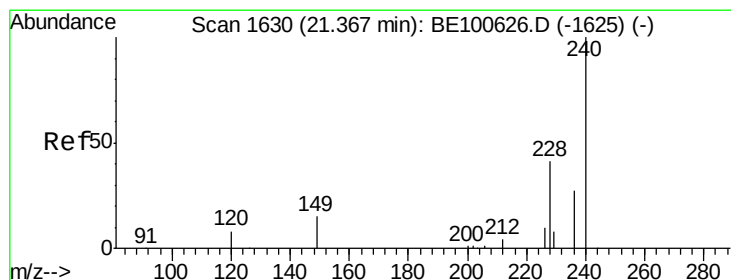
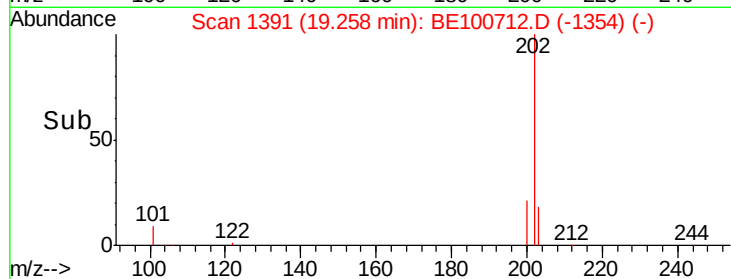
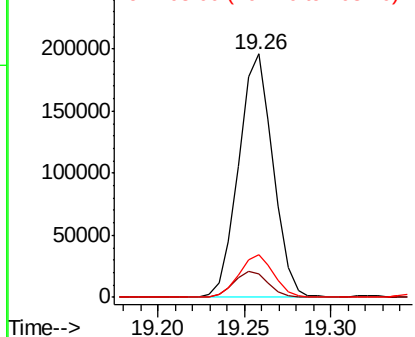


Abundance

Ion 202.00 (201.70 to 202.70): E

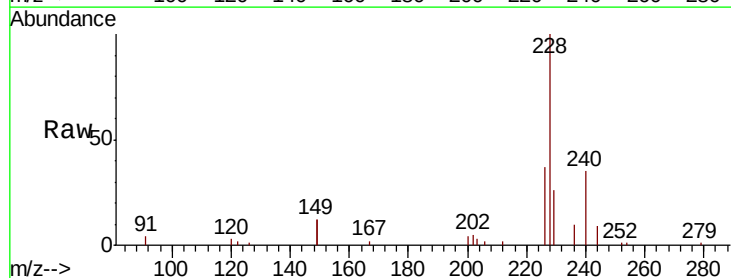
Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E



#27
Chrysene-d12
Concen: 0.400 ng
RT: 21.37 min Scan# 1630
Delta R.T. 0.01 min
Lab File: BE100712.D
Acq: 8 Nov 2019 11:25

Tgt Ion	Ratio	Lower	Upper
240	100		
120	10.0	7.6	11.4
236	29.0	22.1	33.1

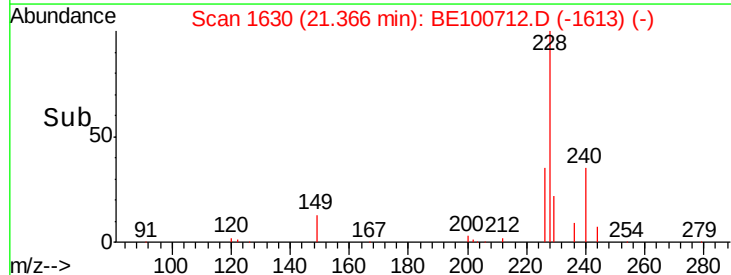
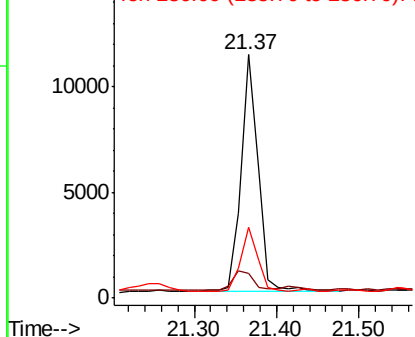


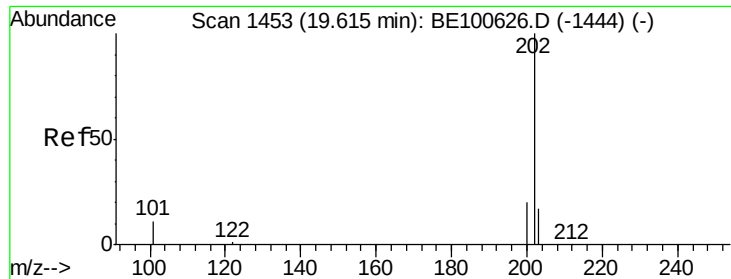
Abundance

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

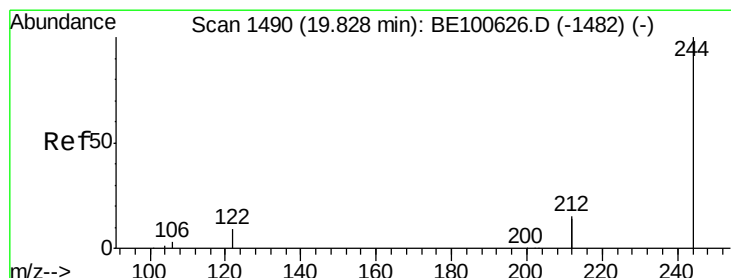
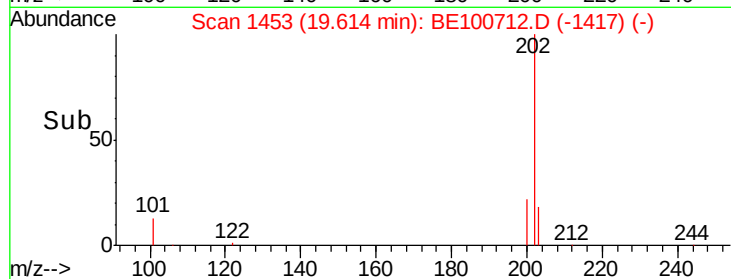
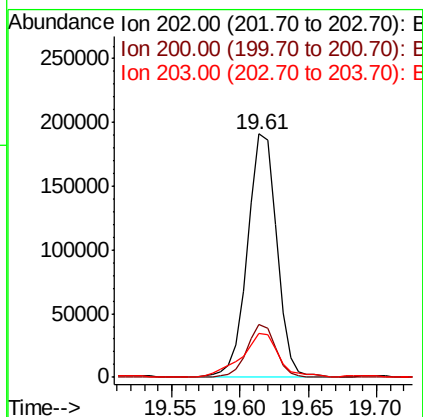
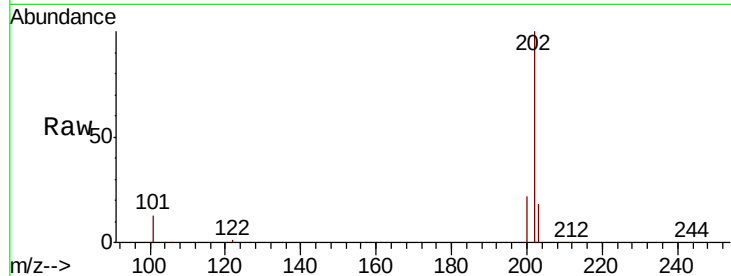




#28
Pvrene
Concen: 6.248 ng
RT: 19.61 min Scan# 1453
Delta R.T. 0.01 min
Lab File: BE100712.D
Acq: 8 Nov 2019 11:25

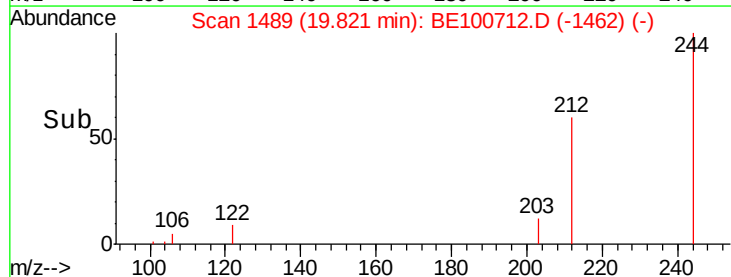
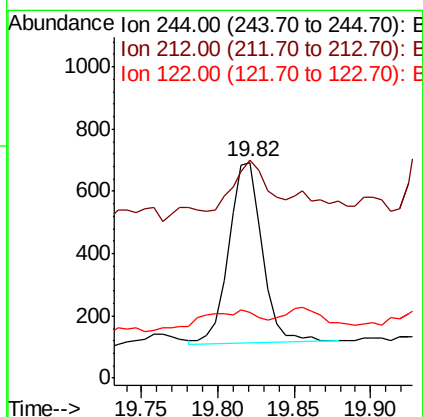
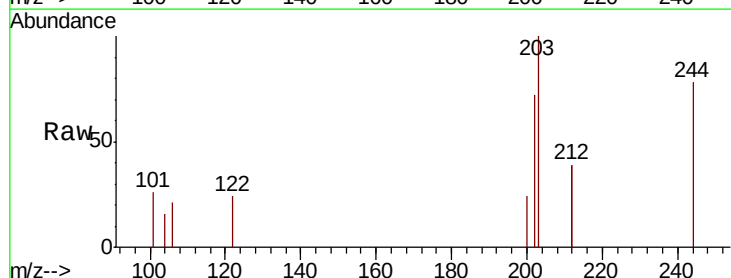
Instrument :
BNA_E
ClientSampleId :

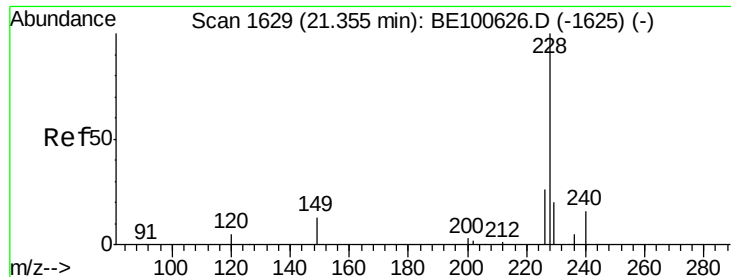
Tot Ion	Ratio	Lower	Upper
202	100		
200	21.3	16.7	25.1
203	22.6	14.0	21.0



#29
Terphenyl-d14
Concen: 0.025 ng
RT: 19.82 min Scan# 1489
Delta R.T. 0.01 min
Lab File: BE100712.D
Acq: 8 Nov 2019 11:25

Tgt Ion	Ratio	Lower	Upper
244	100		
212	100.9	23.7	35.5
122	30.7	7.9	11.9

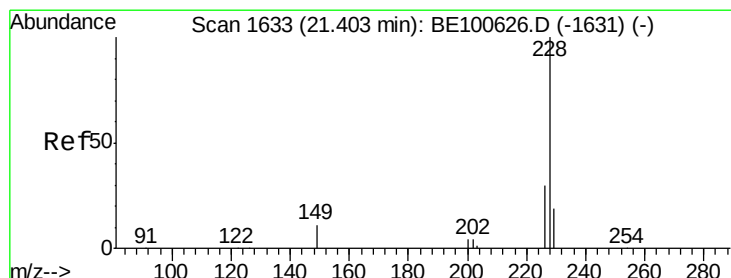
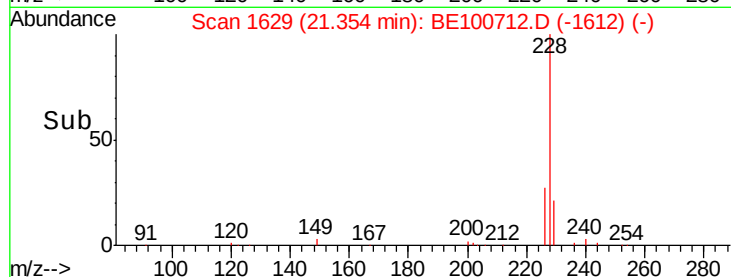
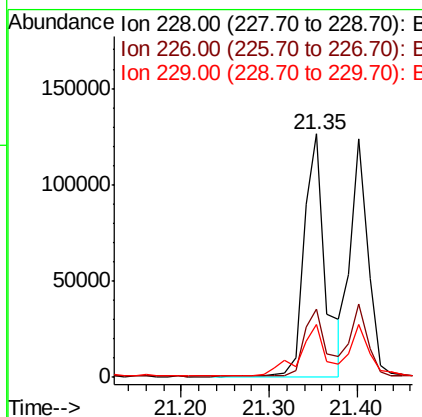
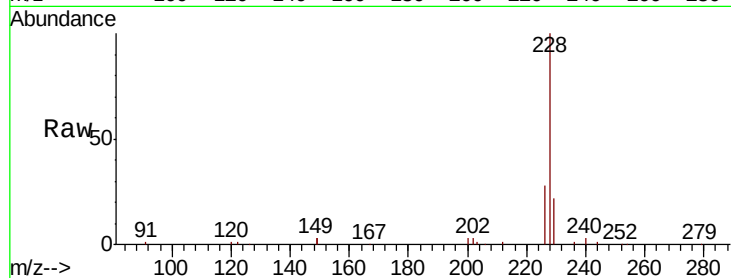




#30
Benzo(a)anthracene
Concen: 4.031 ng
RT: 21.35 min Scan# 1629
Delta R.T. 0.01 min
Lab File: BE100712.D
Acq: 8 Nov 2019 11:25

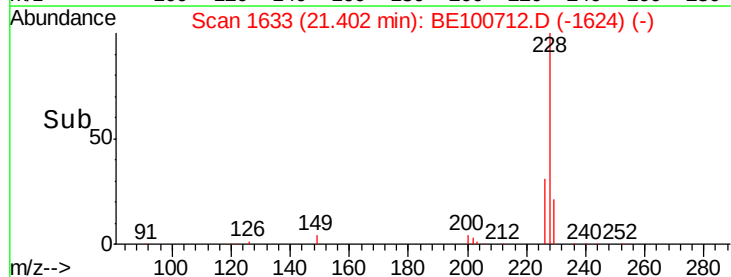
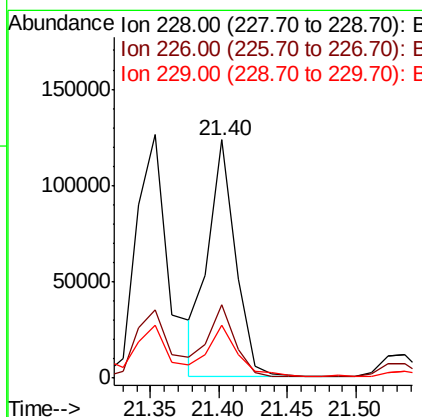
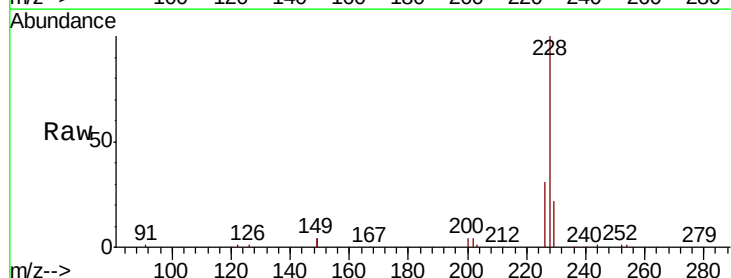
Instrument :
BNA_E
ClientSampleId :

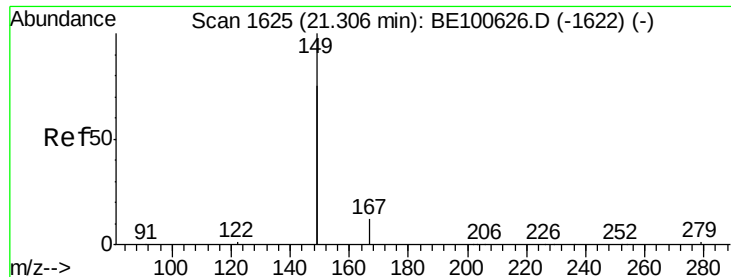
Tot Ion:228 Resp: 211694
Ion Ratio Lower Upper
228 100
226 27.9 21.4 32.0
229 21.7 16.0 24.0



#31
Chrysene
Concen: 3.214 ng
RT: 21.40 min Scan# 1633
Delta R.T. 0.01 min
Lab File: BE100712.D
Acq: 8 Nov 2019 11:25

Tgt Ion:228 Resp: 168661
Ion Ratio Lower Upper
228 100
226 30.9 24.6 37.0
229 22.2 15.8 23.8





#32

Bis(2-ethylhexyl)phthalate

Concen: 0.050 ng

RT: 21.28 min Scan# 1623

Delta R.T. -0.01 min

Lab File: BE100712.D

Acq: 8 Nov 2019 11:25

Instrument :

BNA_E

ClientSampled :

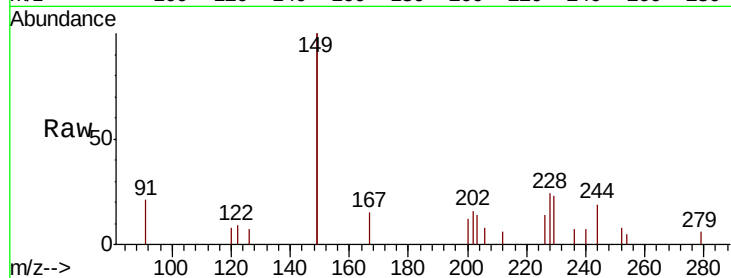
Tot Ion:149 Resp: 5527

Ion Ratio Lower Upper

149 100

167 9.2 5.5 8.3#

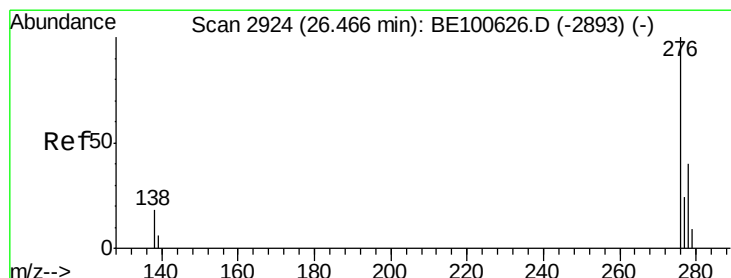
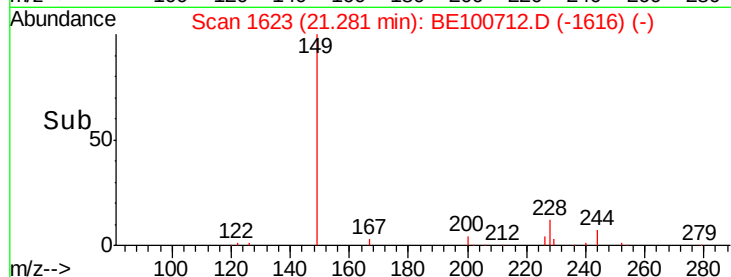
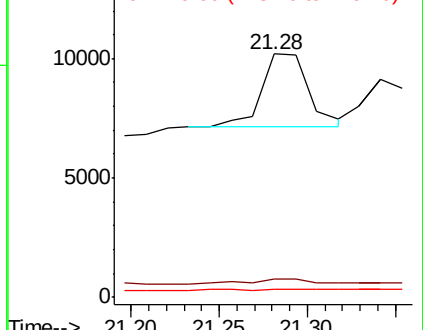
279 2.5 0.9 1.3#



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: 2.255 ng

RT: 26.47 min Scan# 2926

Delta R.T. 0.04 min

Lab File: BE100712.D

Acq: 8 Nov 2019 11:25

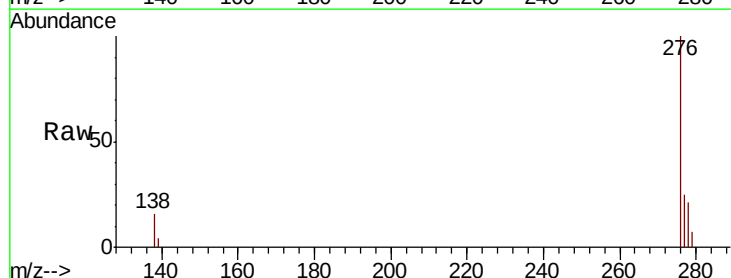
Tgt Ion:276 Resp: 145446

Ion Ratio Lower Upper

276 100

138 15.7 15.3 22.9

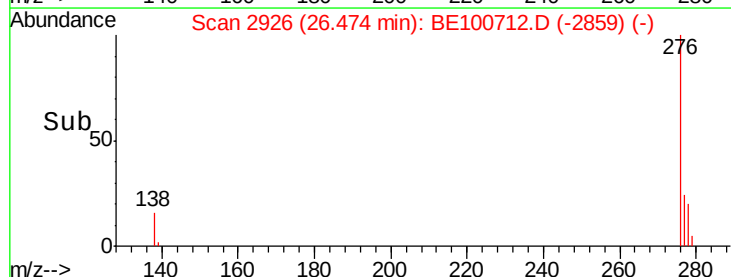
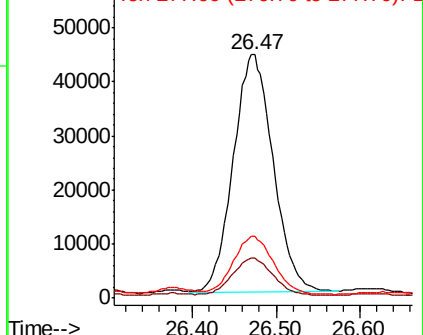
277 24.7 19.4 29.2

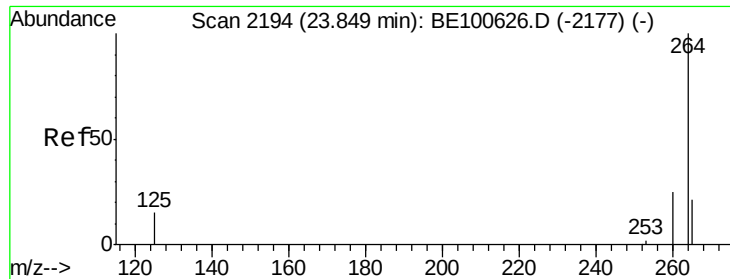


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E

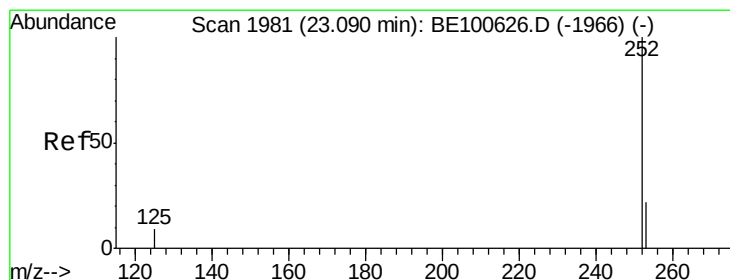
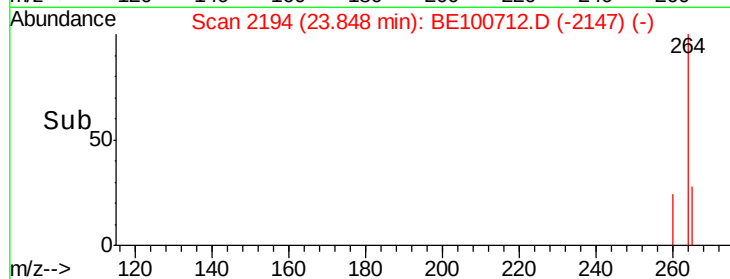
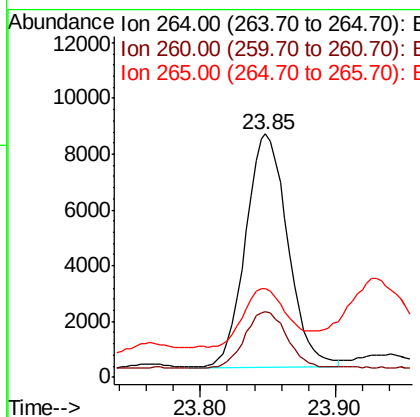
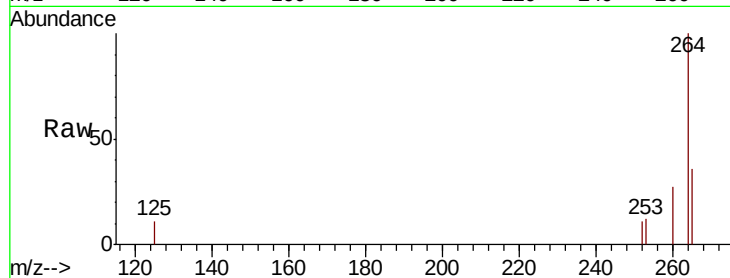




#34
 Pervlene-d12
 Concen: 0.400 ng
 RT: 23.85 min Scan# 2194
 Delta R.T. 0.02 min
 Lab File: BE100712.D
 Acq: 8 Nov 2019 11:25

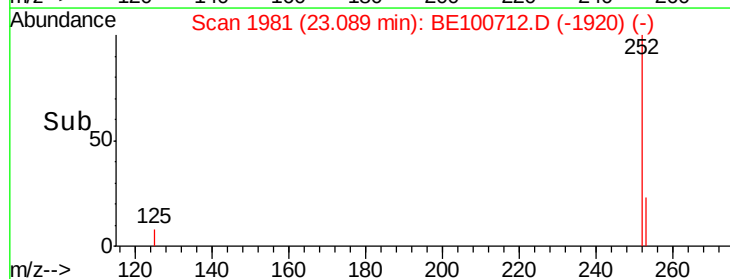
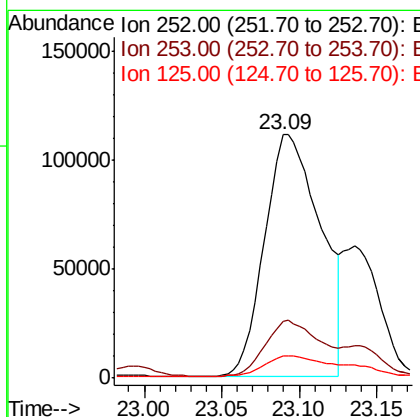
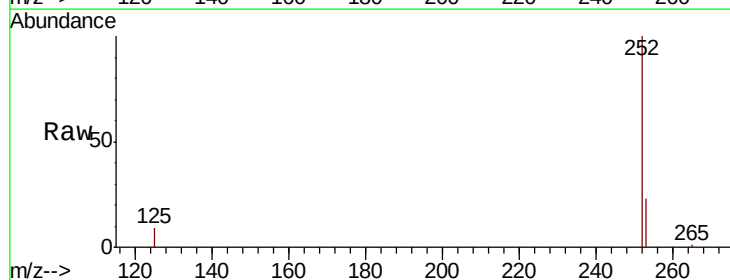
Instrument :
 BNA_E
 ClientSampleId :

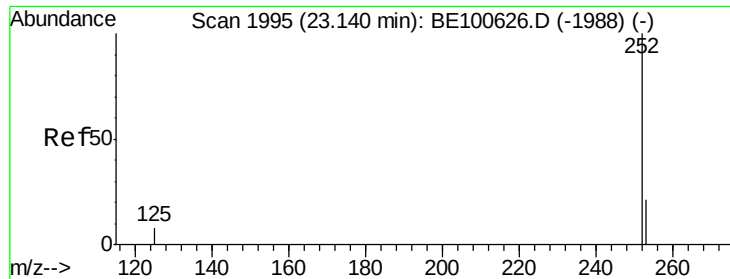
Tot Ion:264 Resp: 18280
 Ion Ratio Lower Upper
 264 100
 260 27.2 19.4 29.2
 265 36.3 21.7 32.5#



#35
 Benzo(b)fluoranthene
 Concen: 5.253 ng
 RT: 23.09 min Scan# 1981
 Delta R.T. 0.02 min
 Lab File: BE100712.D
 Acq: 8 Nov 2019 11:25

Tgt Ion:252 Resp: 280007
 Ion Ratio Lower Upper
 252 100
 253 23.1 18.4 27.6
 125 8.9 7.6 11.4

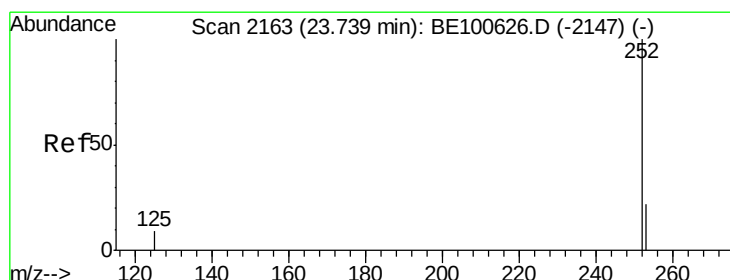
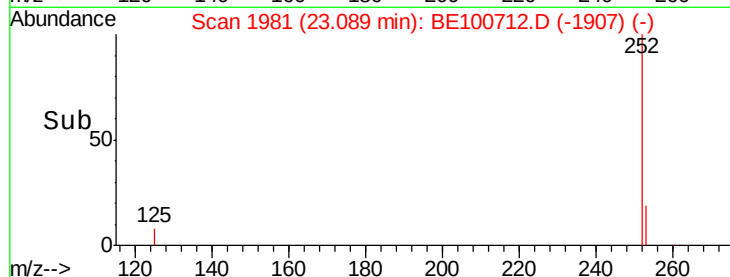
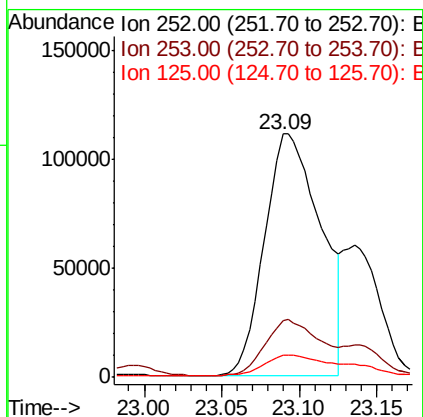
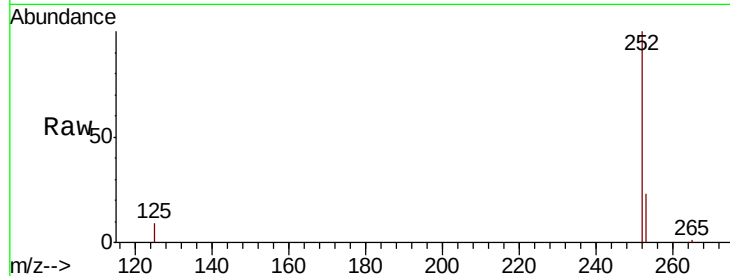




#36
Benzo(k)fluoranthene
Concen: 5.108 ng
RT: 23.09 min Scan# 1981
Delta R.T. -0.04 min
Lab File: BE100712.D
Acq: 8 Nov 2019 11:25

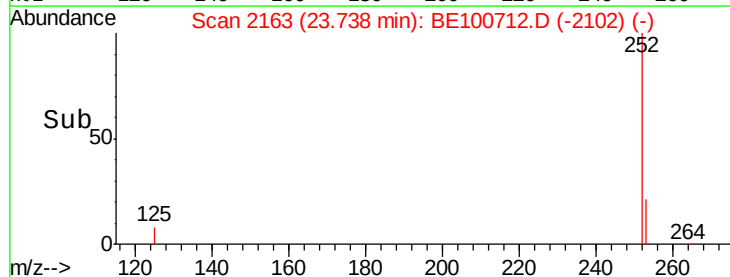
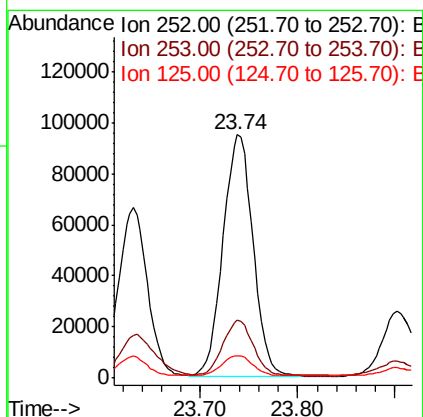
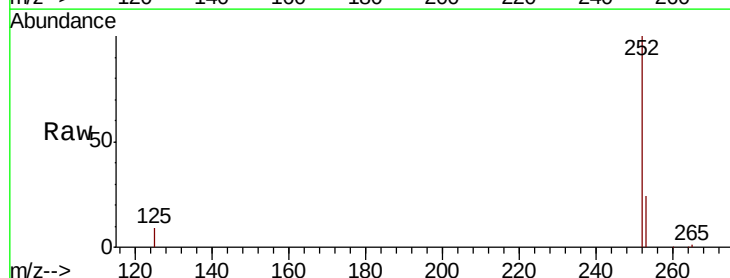
Instrument :
BNA_E
ClientSampled :

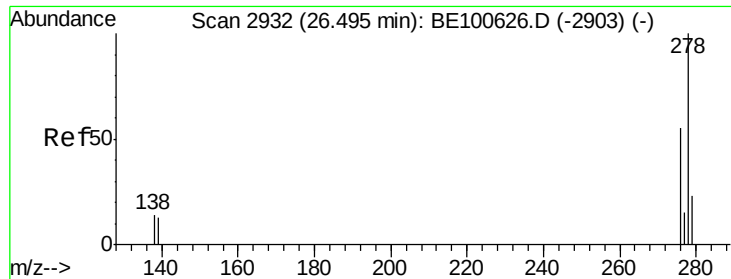
Tot Ion:252 Resp: 280007
Ion Ratio Lower Upper
252 100
253 23.1 18.4 27.6
125 8.9 11.6 17.4#



#37
Benzo(a)pyrene
Concen: 4.067 ng
RT: 23.74 min Scan# 2163
Delta R.T. 0.02 min
Lab File: BE100712.D
Acq: 8 Nov 2019 11:25

Tgt Ion:252 Resp: 201811
Ion Ratio Lower Upper
252 100
253 23.6 18.4 27.6
125 9.3 8.2 12.4





#38

Dibenzo(a,h)anthracene

Concen: 0.712 ng

RT: 26.48 min Scan# 2929

Delta R.T. 0.02 min

Lab File: BE100712.D

Acq: 8 Nov 2019 11:25

Instrument :

BNA_E

ClientSampleId :

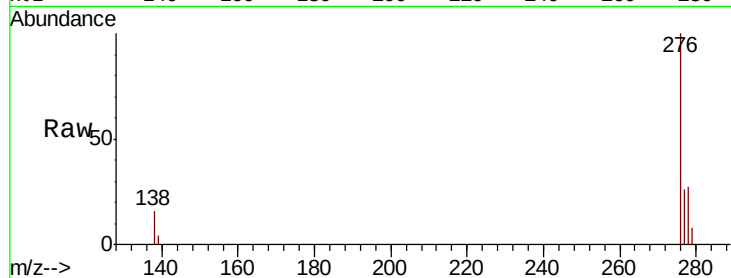
Tot Ion:278 Resp: 36529

Ion Ratio Lower Upper

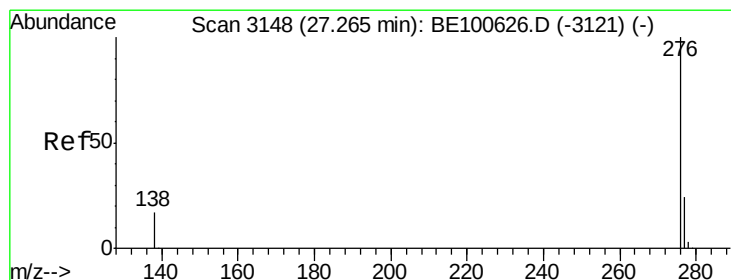
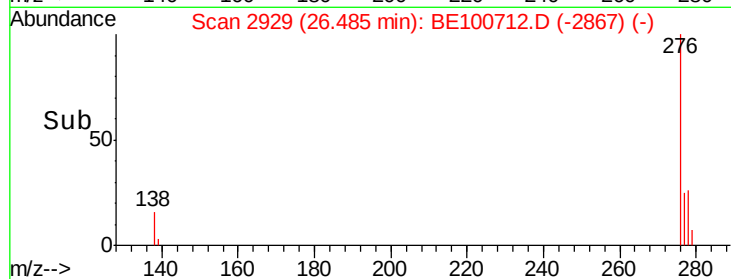
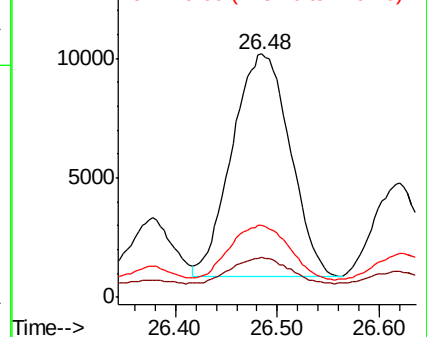
278 100

139 16.4 10.9 16.3#

279 29.7 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



#39

Benzo(g,h,i)perylene

Concen: 2.771 ng

RT: 27.28 min Scan# 3152

Delta R.T. 0.05 min

Lab File: BE100712.D

Acq: 8 Nov 2019 11:25

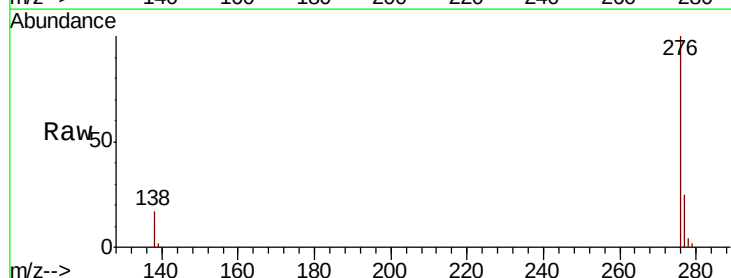
Tgt Ion:276 Resp: 142906

Ion Ratio Lower Upper

276 100

277 24.9 19.4 29.0

138 16.9 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

