

Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE110819\
 Data File : BE100713.D
 Acq On : 8 Nov 2019 12:01
 Operator : JU
 Sample : K5725-02DL 25X
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :

Quant Time: Nov 08 13:09:30 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	2052	0.40	ng	0.00
7) Naphthalene-d8	10.64	136	9701	0.40	ng	0.01
13) Acenaphthene-d10	14.49	164	6560	0.40	ng	0.01
19) Phenanthrene-d10	17.20	188	14361	0.40	ng	0.00
27) Chrysene-d12	21.37	240	15793	0.40	ng	0.01
34) Perylene-d12	23.84	264	17936	0.40	ng	0.01

System Monitoring Compounds						
4) 2-Fluorophenol	5.46	112	91	0.01	ng	0.01
5) Phenol-d6	7.02	99	131	0.01	ng	0.01
8) Nitrobenzene-d5	9.00	82	86	0.01	ng	0.01
11) 2-Methylnaphthalene-d10	12.22	152	196	0.01	ng	0.00
14) 2,4,6-Tribromophenol	15.96	330	6	0.00	ng	0.01
15) 2-Fluorobiphenyl	13.12	172	232	0.01	ng	0.01
25) Fluoranthene-d10	19.22	212	1749	0.01	ng	0.00
29) Terphenyl-d14	19.82	244	497	0.01	ng	0.00

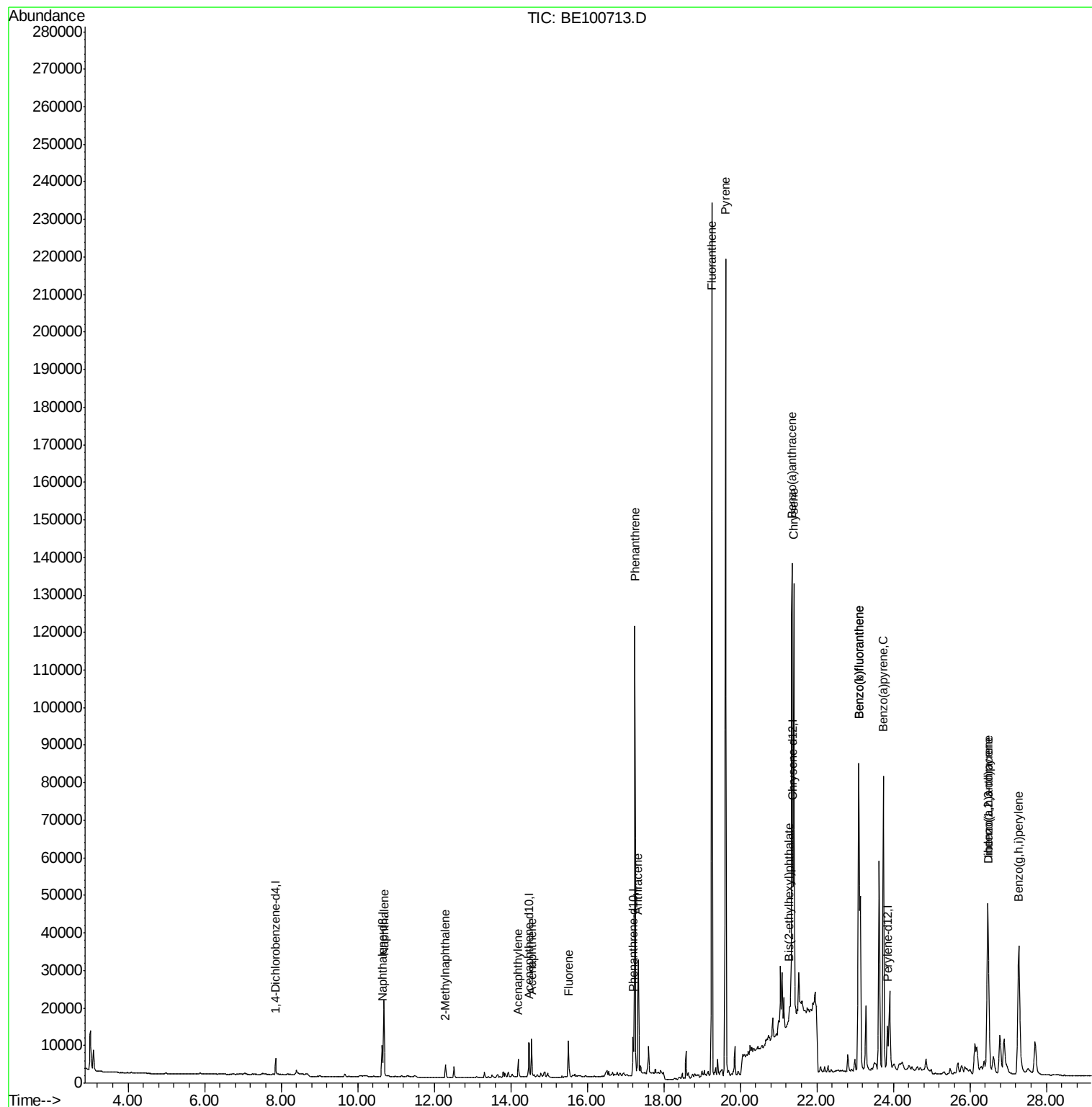
Target Compounds					Qvalue	
9) Naphthalene	10.69	128	36292	0.356	ng	100
12) 2-Methylnaphthalene	12.30	142	2744	0.158	ng	# 86
16) Acenaphthylene	14.20	152	5400	0.191	ng	98
17) Acenaphthene	14.54	154	5207	0.285	ng	97
18) Fluorene	15.51	166	7872	0.325	ng	99
23) Phenanthrene	17.24	178	124995	3.164	ng	99
24) Anthracene	17.33	178	31848	0.869	ng	97
26) Fluoranthene	19.26	202	208174	4.038	ng	99
28) Pyrene	19.61	202	198274	4.494	ng	# 95
30) Benzo(a)anthracene	21.35	228	136226	2.644	ng	95
31) Chrysene	21.40	228	101978	1.981	ng	97
32) Bis(2-ethylhexyl)phthalate	21.28	149	6521	0.061	ng	# 99
33) Indeno(1,2,3-cd)pyrene	26.47	276	87758	1.387	ng	97
35) Benzo(b)fluoranthene	23.10	252	154469	2.954	ng	99
36) Benzo(k)fluoranthene	23.10	252	154469	2.872	ng	# 95
37) Benzo(a)pyrene	23.73	252	123754	2.542	ng	99
38) Dibenzo(a,h)anthracene	26.48	278	21830	0.434	ng	# 87
39) Benzo(a,h,i)perylene	27.28	276	91748	1.813	ng	99

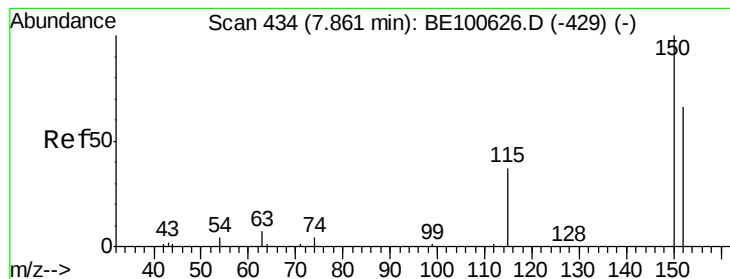
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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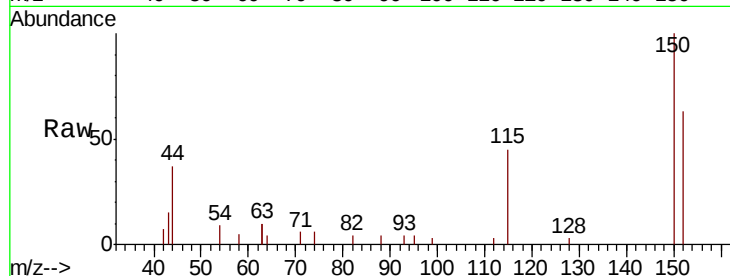


#1

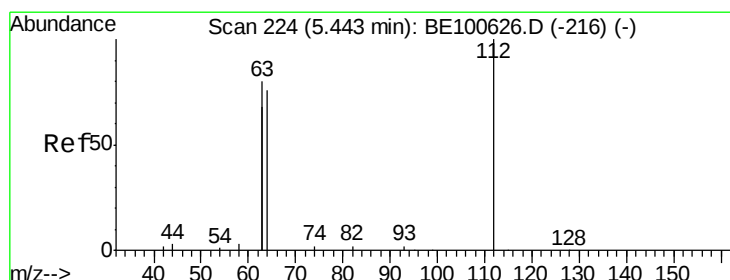
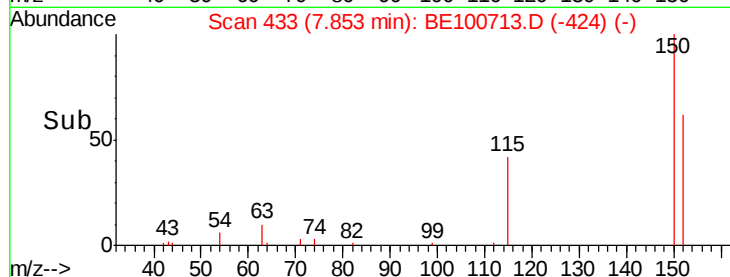
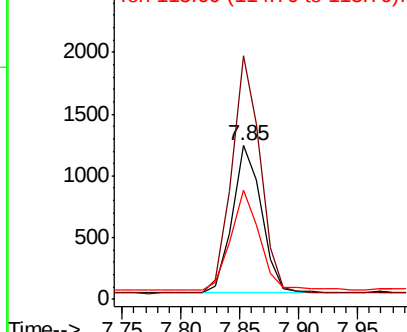
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.85 min Scan# 433
Delta R.T. 0.00 min
Lab File: BE100713.D
Acq: 8 Nov 2019 12:01

Instrument :
BNA_E
ClientSampleId :

Tot Ion:152 Resp: 2052
Ion Ratio Lower Upper
152 100
150 158.4 123.3 184.9
115 70.7 51.9 77.9



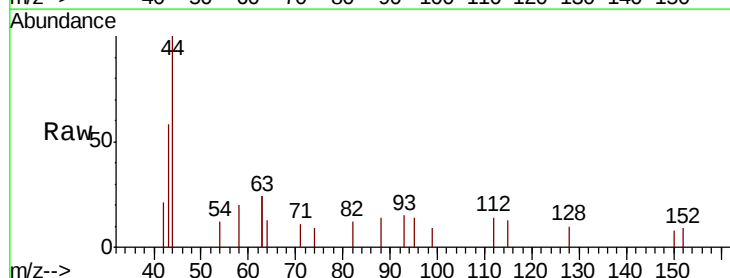
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



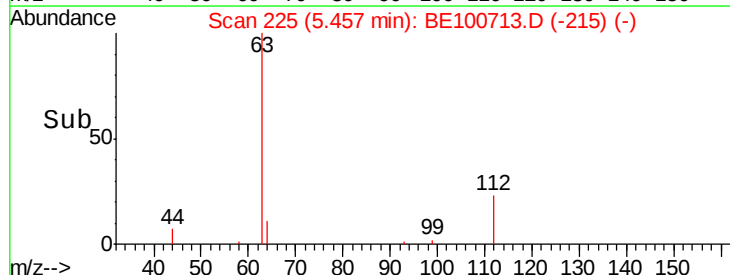
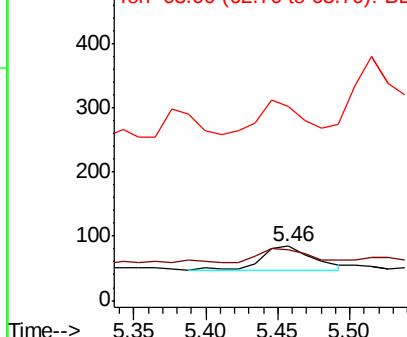
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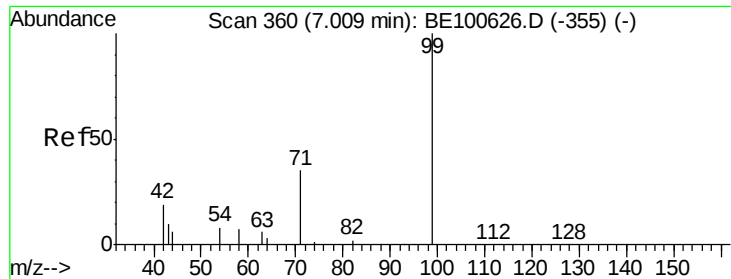
2-Fluorophenol
Concen: 0.014 ng
RT: 5.46 min Scan# 225
Delta R.T. 0.01 min
Lab File: BE100713.D
Acq: 8 Nov 2019 12:01

Tgt Ion:112 Resp: 91
Ion Ratio Lower Upper
112 100
64 58.2 55.4 83.2
63 116.5 114.2 171.4



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: 0.015 ng

RT: 7.02 min Scan# 361

Delta R.T. 0.01 min

Lab File: BE100713.D

Acq: 8 Nov 2019 12:01

Instrument :

BNA_E

ClientSampleId :

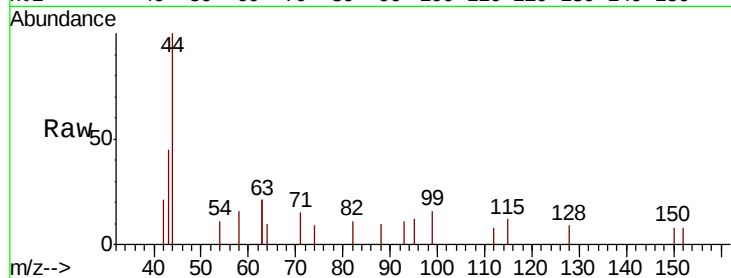
Tot Ion: 99 Resp: 131

Ion Ratio Lower Upper

99 100

42 42.7 17.7 26.5#

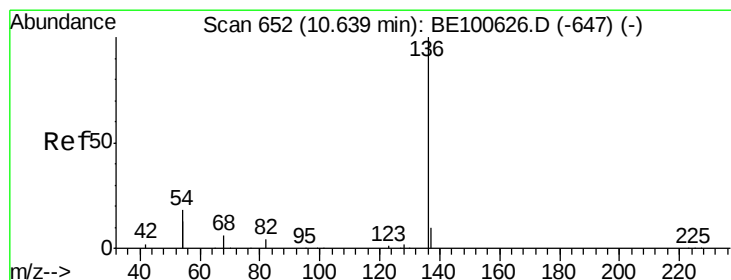
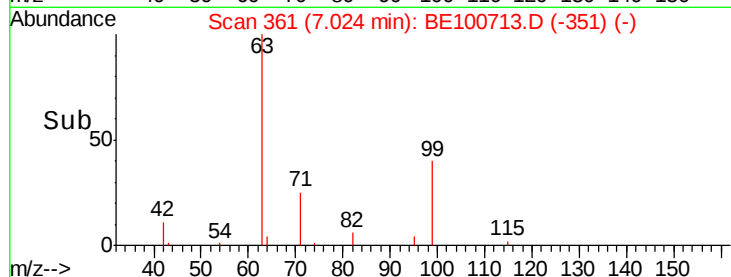
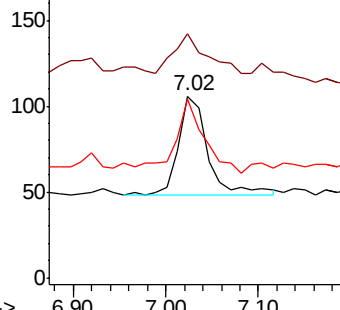
71 77.1 27.4 41.0#



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: BE100713.D

Acq: 8 Nov 2019 12:01

Tgt Ion: 136 Resp: 9701

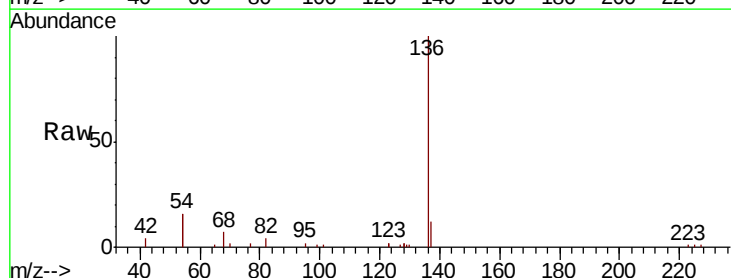
Ion Ratio Lower Upper

136 100

137 11.9 9.2 13.8

54 31.8 39.4 59.2#

68 6.6 8.0 12.0#

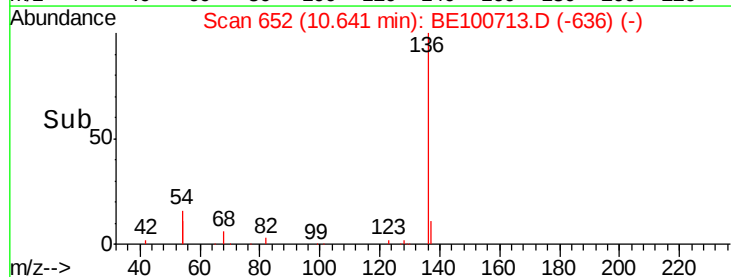
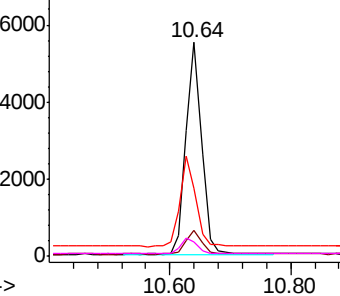


Abundance Ion 136.00 (135.70 to 136.70): E

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

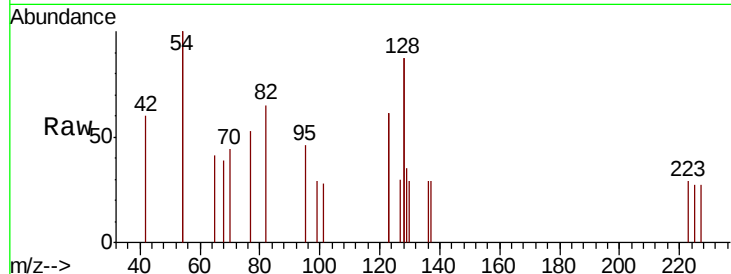




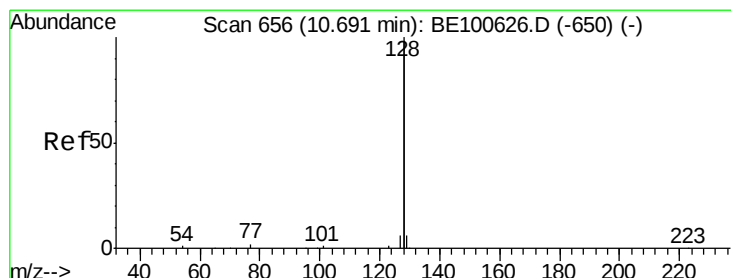
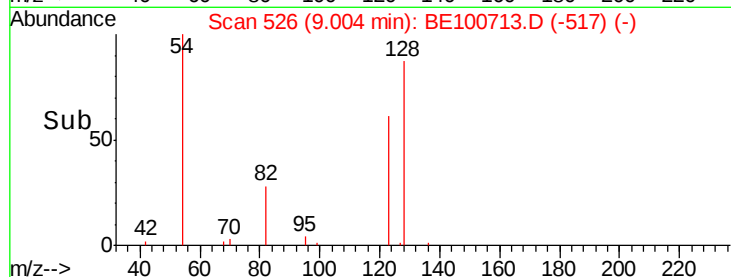
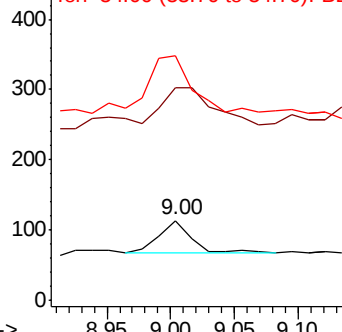
#8
Nitrobenzene-d5
Concen: 0.014 ng
RT: 9.00 min Scan# 526
Delta R.T. 0.01 min
Lab File: BE100713.D
Acq: 8 Nov 2019 12:01

Instrument :
BNA_E
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
82	100		
128	267.3	107.8	161.8#
54	308.0	166.1	249.1#

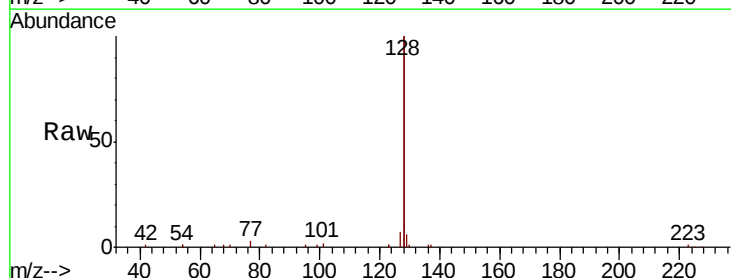


Abundance Ion 82.00 (81.70 to 82.70): BE1
Ion 128.00 (127.70 to 128.70): E
Ion 54.00 (53.70 to 54.70): BE1

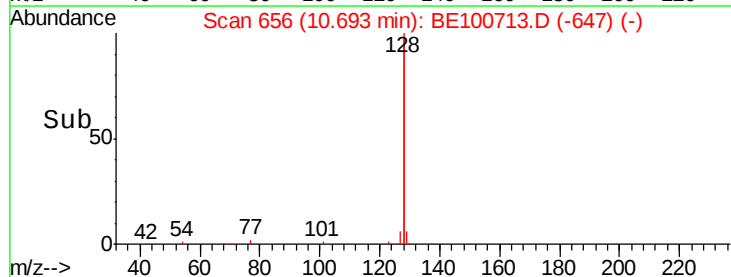
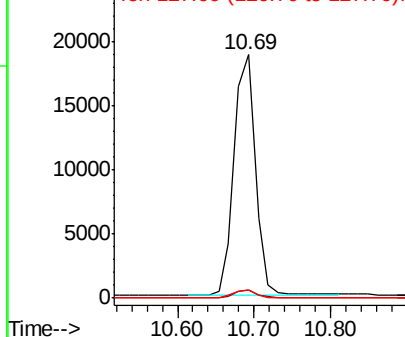


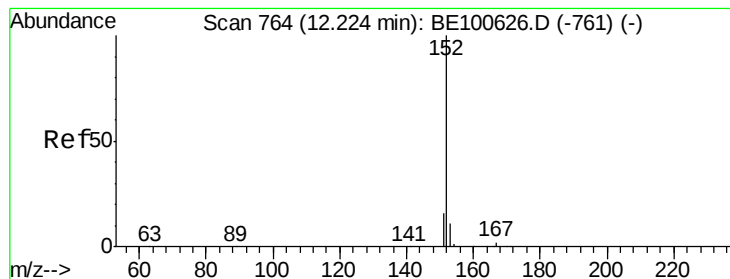
#9
Naphthalene
Concen: 0.356 ng
RT: 10.69 min Scan# 656
Delta R.T. 0.01 min
Lab File: BE100713.D
Acq: 8 Nov 2019 12:01

Tgt Ion	Ratio	Lower	Upper
128	100		
129	3.1	2.3	3.5
127	3.3	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

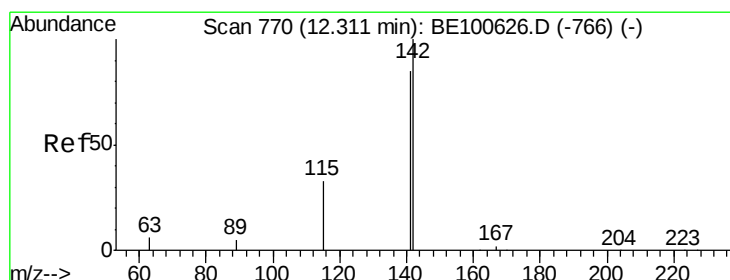
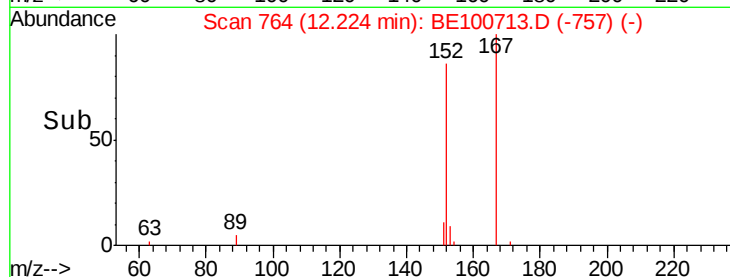
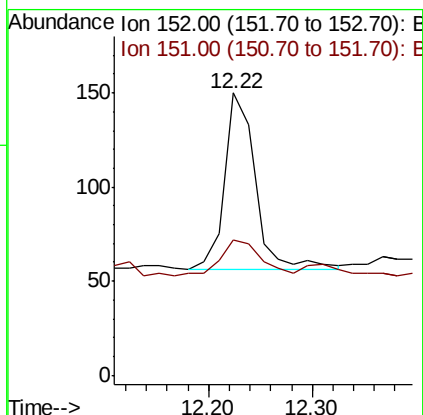
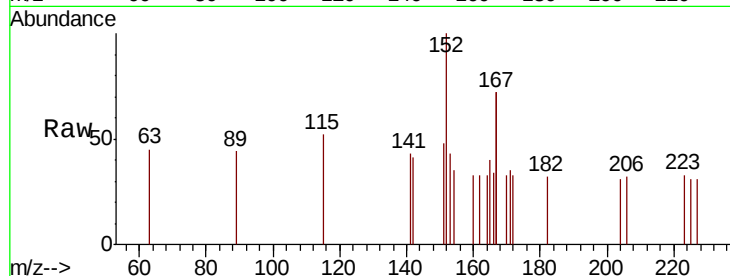




#11
 2-Methylnaphthalene-d10
 Concen: 0.013 ng
 RT: 12.22 min Scan# 764
 Delta R.T. -0.00 min
 Lab File: BE100713.D
 Acq: 8 Nov 2019 12:01

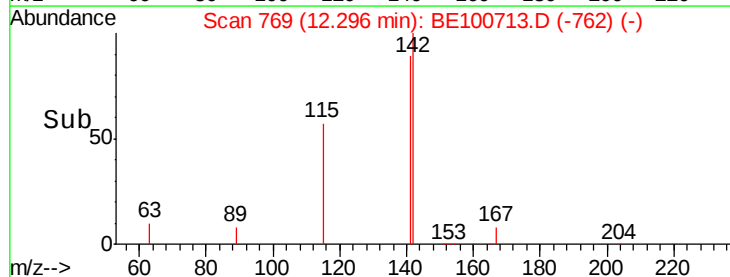
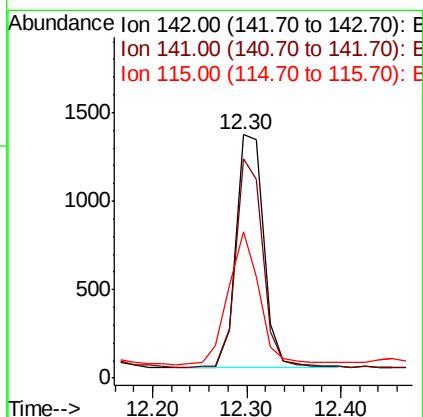
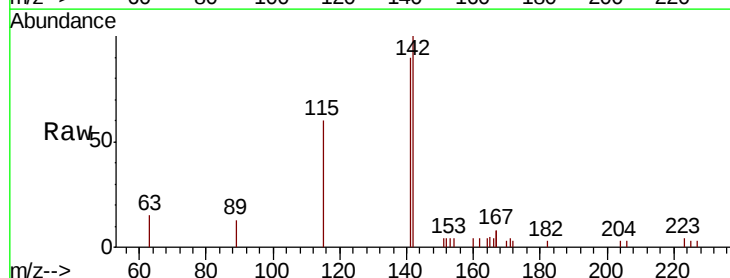
Instrument :
 BNA_E
 ClientSampled :

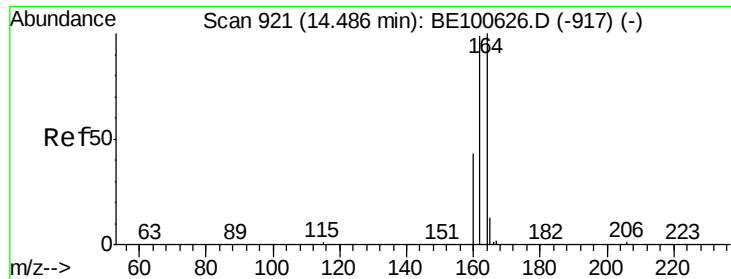
Tot Ion:152 Resp: 196
 Ion Ratio Lower Upper
 152 100
 151 25.5 14.7 22.1#



#12
 2-Methylnaphthalene
 Concen: 0.158 ng
 RT: 12.30 min Scan# 769
 Delta R.T. -0.00 min
 Lab File: BE100713.D
 Acq: 8 Nov 2019 12:01

Tgt Ion:142 Resp: 2744
 Ion Ratio Lower Upper
 142 100
 141 89.8 70.1 105.1
 115 60.1 28.3 42.5#

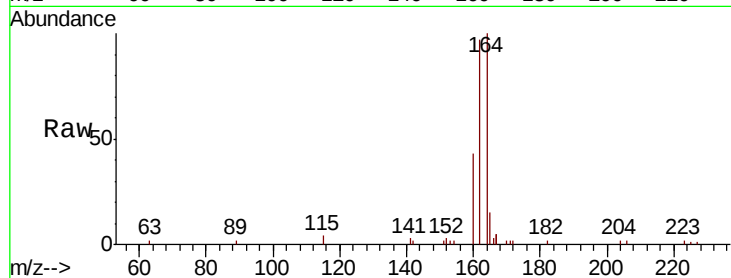




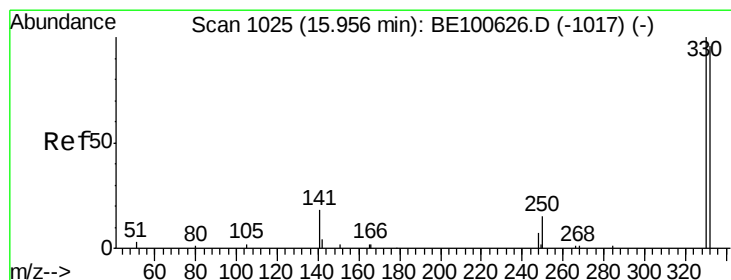
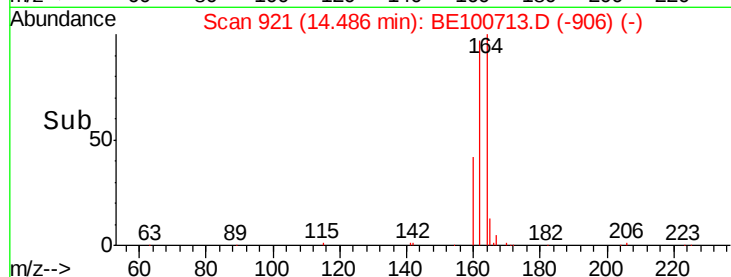
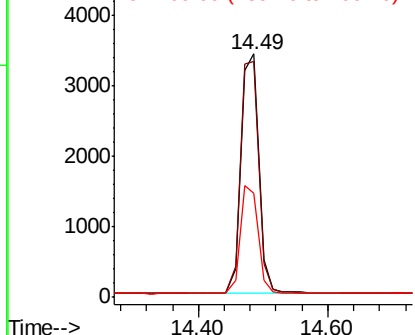
#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.49 min Scan# 921
Delta R.T. 0.01 min
Lab File: BE100713.D
Acq: 8 Nov 2019 12:01

Instrument :
BNA_E
ClientSampleId :

Tot Ion:164 Resp: 6560
Ion Ratio Lower Upper
164 100
162 96.7 82.0 123.0
160 42.8 37.5 56.3

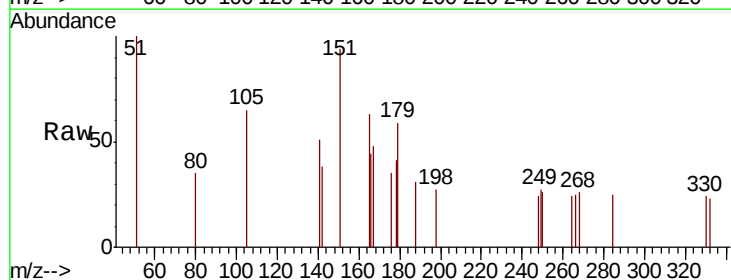


Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

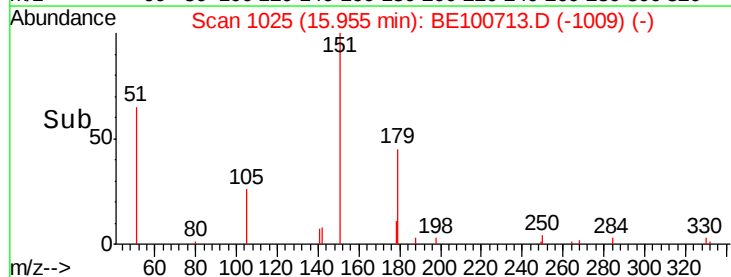
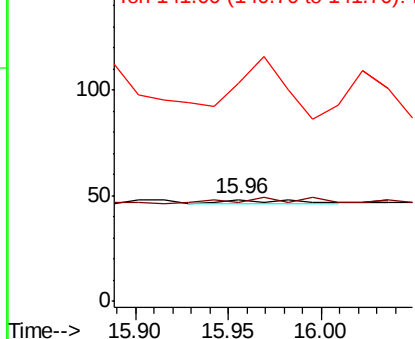


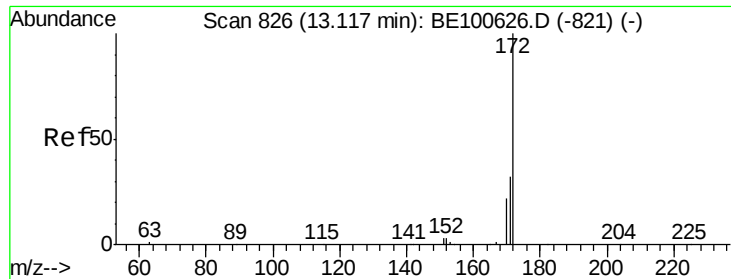
#14
2,4,6-Tribromophenol
Concen: 0.003 ng
RT: 15.96 min Scan# 1025
Delta R.T. 0.01 min
Lab File: BE100713.D
Acq: 8 Nov 2019 12:01

Tgt Ion:330 Resp: 6
Ion Ratio Lower Upper
330 100
332 166.7 77.9 116.9#
141 816.7 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

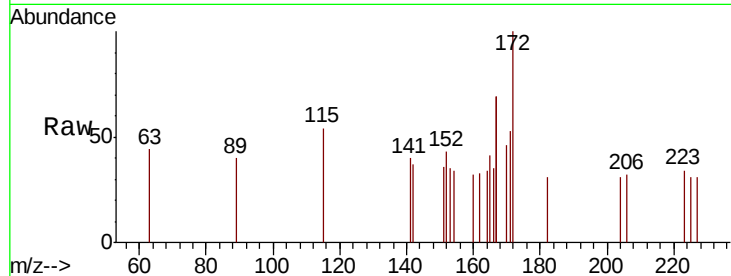




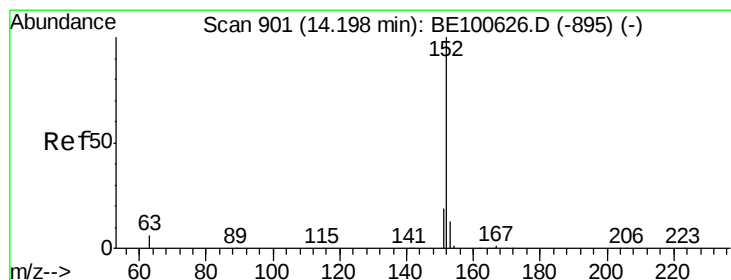
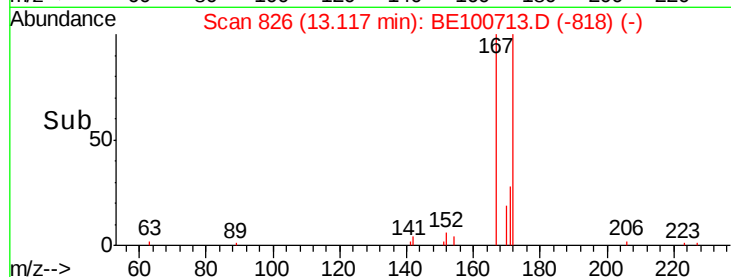
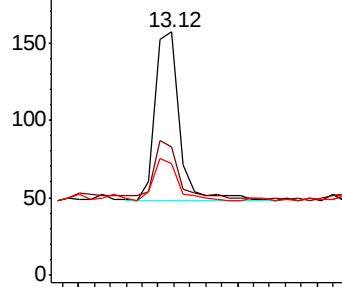
#15
2-Fluorobiphenyl
Concen: 0.010 ng
RT: 13.12 min Scan# 826
Delta R.T. 0.01 min
Lab File: BE100713.D
Acq: 8 Nov 2019 12:01

Instrument :
BNA_E
ClientSampleId :

Tot Ion:172 Resp: 232
Ion Ratio Lower Upper
172 100
171 52.9 26.5 39.7#
170 45.9 19.0 28.4#

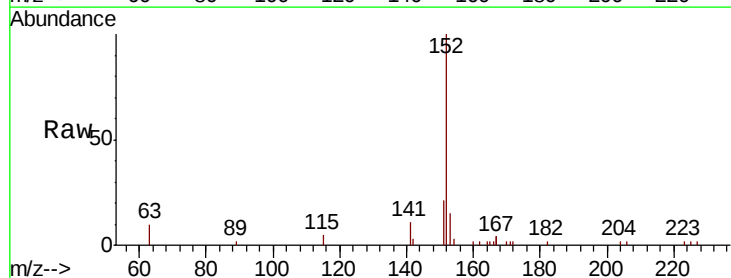


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

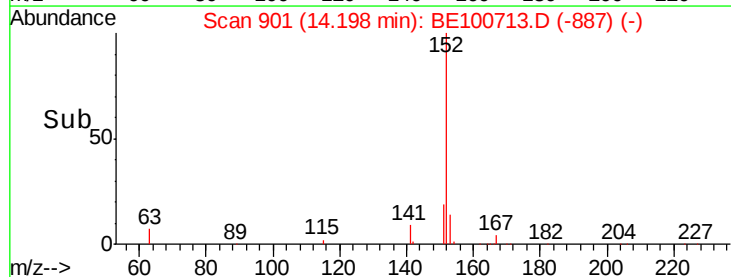
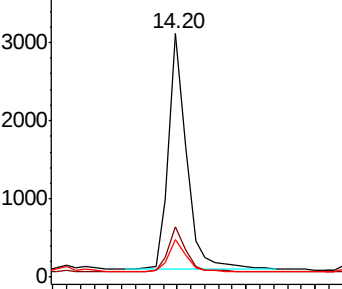


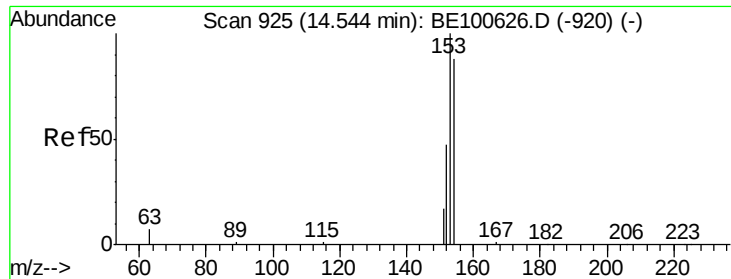
#16
Acenaphthylene
Concen: 0.191 ng
RT: 14.20 min Scan# 901
Delta R.T. -0.00 min
Lab File: BE100713.D
Acq: 8 Nov 2019 12:01

Tgt Ion:152 Resp: 5400
Ion Ratio Lower Upper
152 100
151 19.3 15.2 22.8
153 14.4 10.3 15.5



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

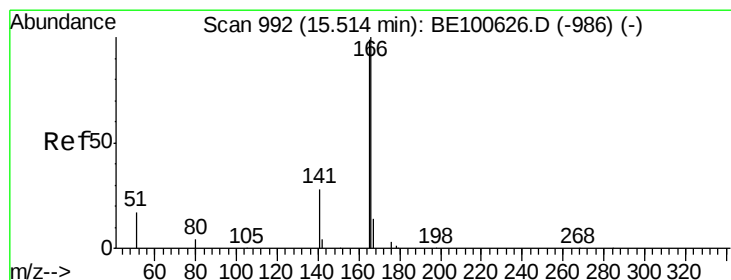
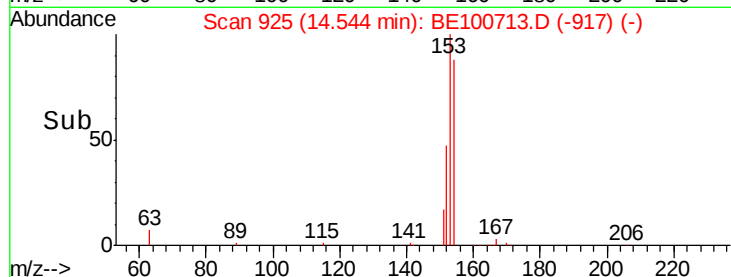
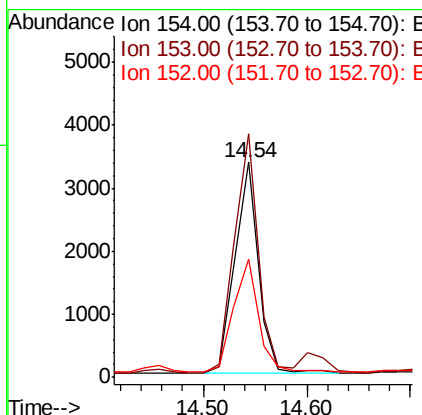
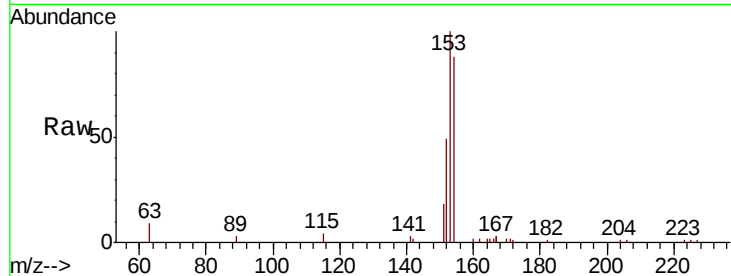




#17
Acenaphthene
Concen: 0.285 ng
RT: 14.54 min Scan# 925
Delta R.T. 0.01 min
Lab File: BE100713.D
Acq: 8 Nov 2019 12:01

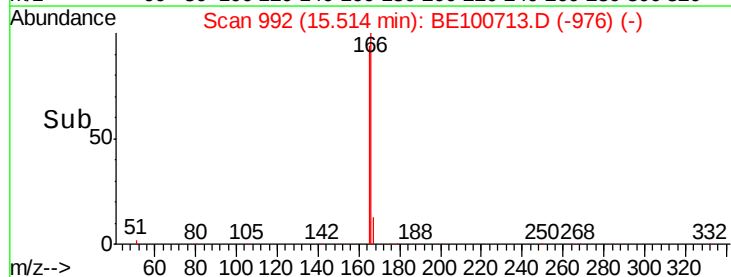
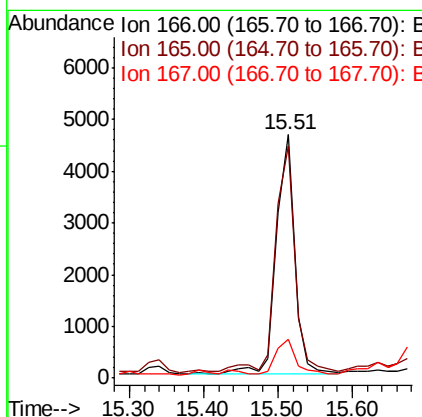
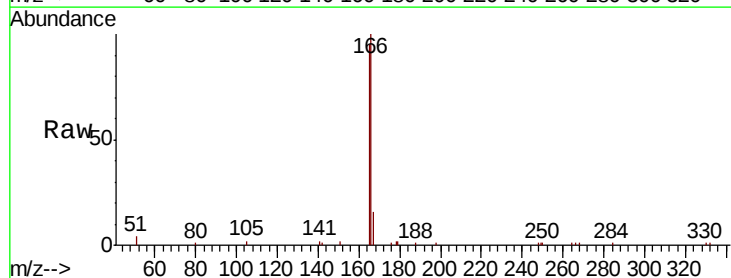
Instrument :
BNA_E
ClientSampleId :

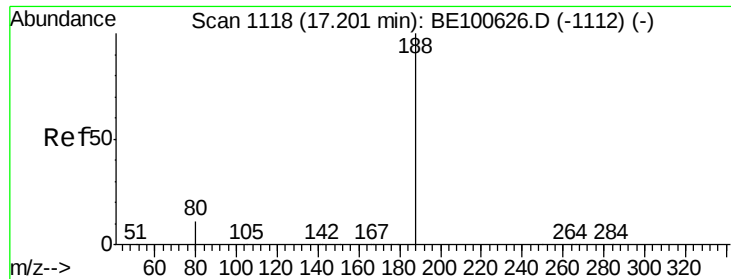
Tot Ion:154 Resp: 5207
Ion Ratio Lower Upper
154 100
153 115.5 89.4 134.2
152 56.7 44.1 66.1



#18
Fluorene
Concen: 0.325 ng
RT: 15.51 min Scan# 992
Delta R.T. 0.01 min
Lab File: BE100713.D
Acq: 8 Nov 2019 12:01

Tgt Ion:166 Resp: 7872
Ion Ratio Lower Upper
166 100
165 99.1 78.6 117.8
167 15.6 10.9 16.3

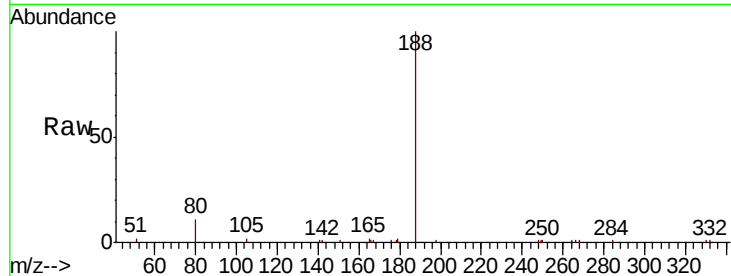




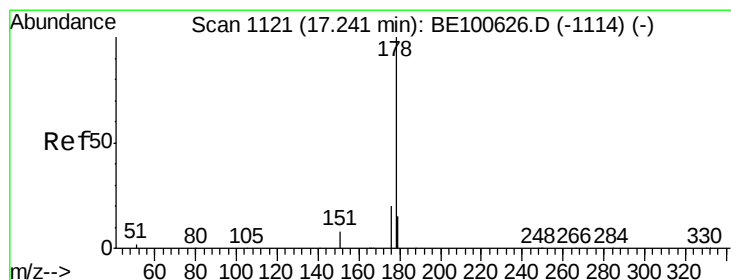
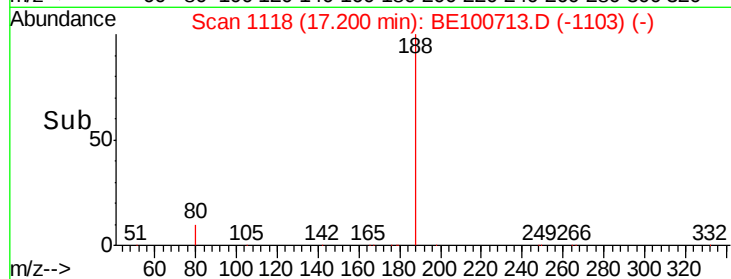
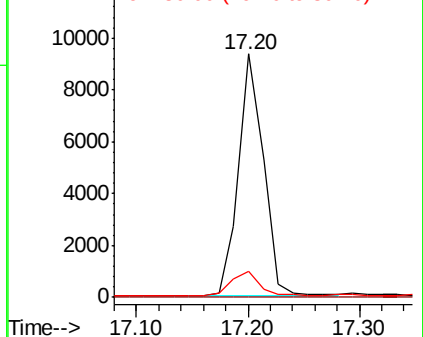
#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.20 min Scan# 1118
Delta R.T. -0.00 min
Lab File: BE100713.D
Acq: 8 Nov 2019 12:01

Instrument :
BNA_E
ClientSampleId :

Tot Ion:188 Resp: 14361
Ion Ratio Lower Upper
188 100
94 0.0 0.0 0.0
80 10.9 5.4 8.0#

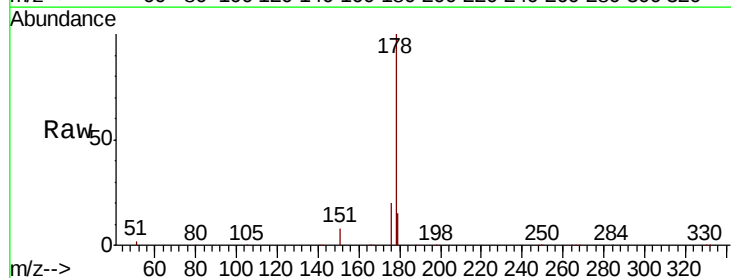


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BE1
Ion 80.00 (79.70 to 80.70): BE1

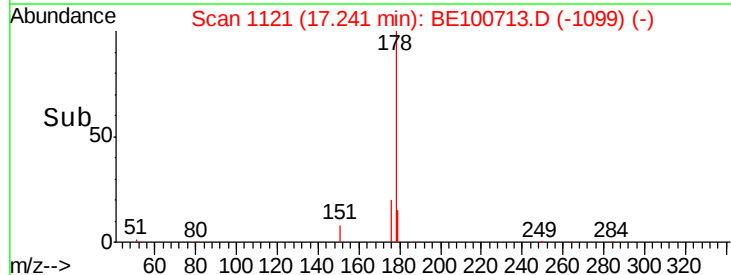
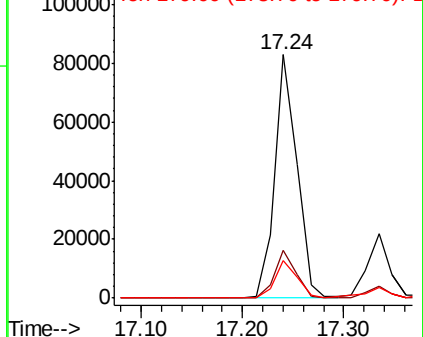


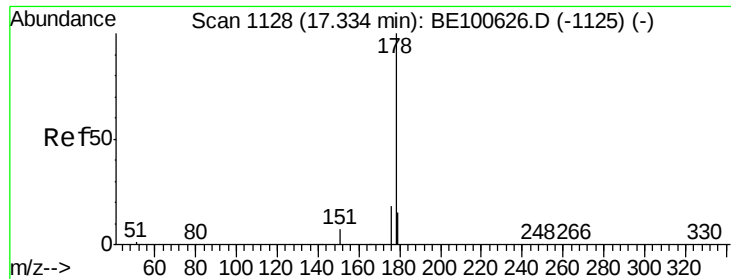
#23
Phenanthrene
Concen: 3.164 ng
RT: 17.24 min Scan# 1121
Delta R.T. -0.00 min
Lab File: BE100713.D
Acq: 8 Nov 2019 12:01

Tgt Ion:178 Resp: 124995
Ion Ratio Lower Upper
178 100
176 19.2 15.2 22.8
179 15.5 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: 0.869 ng

RT: 17.33 min Scan# 1128

Delta R.T. 0.01 min

Lab File: BE100713.D

Acq: 8 Nov 2019 12:01

Instrument :

BNA_E

ClientSampleId :

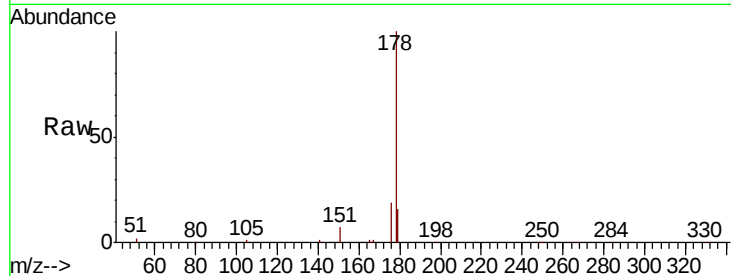
Tot Ion:178 Resp: 31848

Ion Ratio Lower Upper

178 100

176 18.0 15.0 22.4

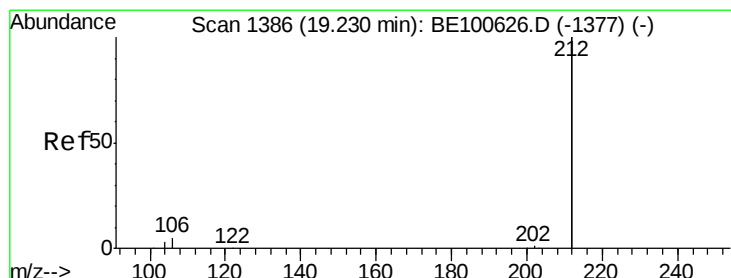
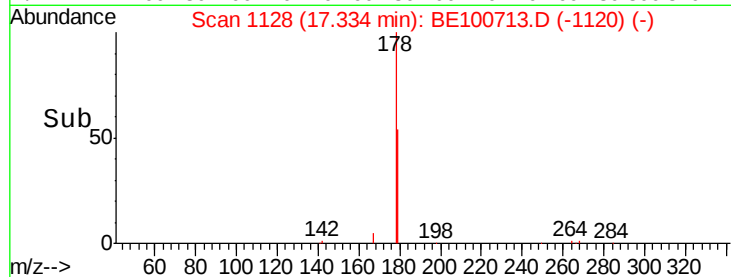
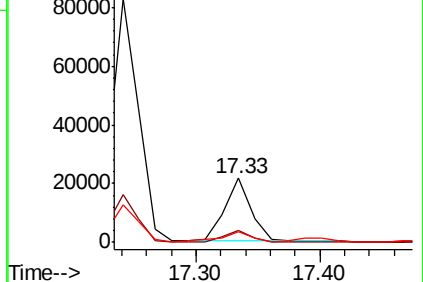
179 17.6 12.5 18.7



Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



#25

Fluoranthene-d10

Concen: 0.009 ng

RT: 19.22 min Scan# 1385

Delta R.T. 0.01 min

Lab File: BE100713.D

Acq: 8 Nov 2019 12:01

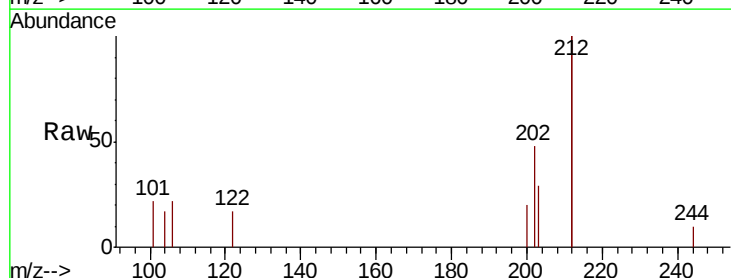
Tgt Ion:212 Resp: 1749

Ion Ratio Lower Upper

212 100

106 5.2 2.3 3.5#

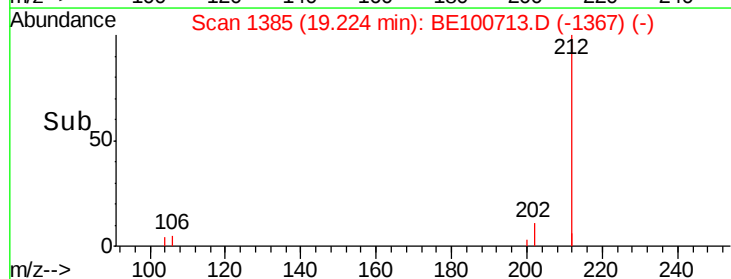
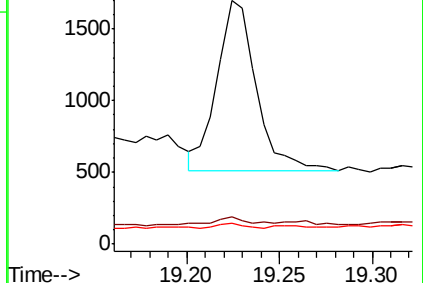
104 1.7 1.3 1.9

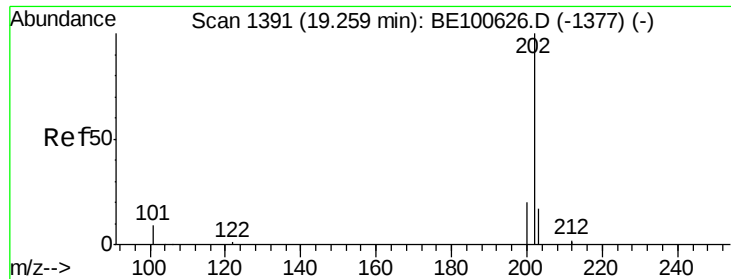


Abundance Ion 212.00 (211.70 to 212.70): E

Ion 106.00 (105.70 to 106.70): E

Ion 104.00 (103.70 to 104.70): E

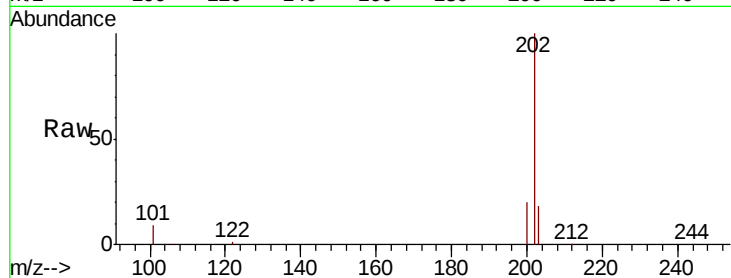




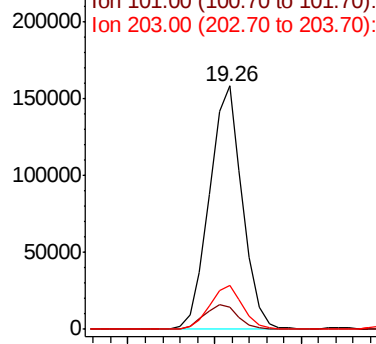
#26
Fluoranthene
Concen: 4.038 ng
RT: 19.26 min Scan# 1391
Delta R.T. 0.01 min
Lab File: BE100713.D
Acq: 8 Nov 2019 12:01

Instrument :
BNA_E
ClientSampleId :

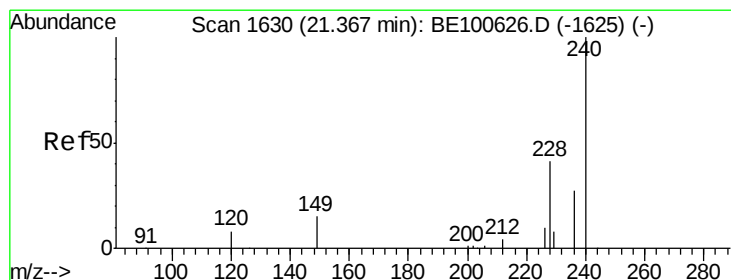
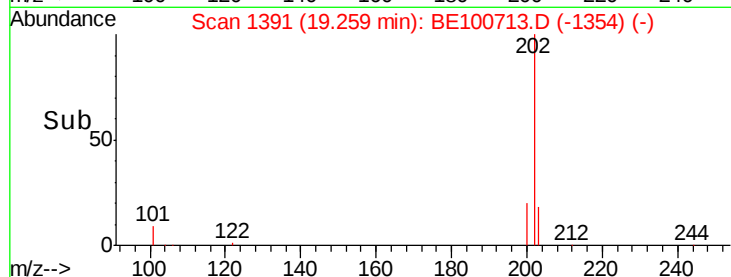
Tot Ion:202 Resp: 208174
Ion Ratio Lower Upper
202 100
101 10.4 8.5 12.7
203 17.6 13.8 20.8



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

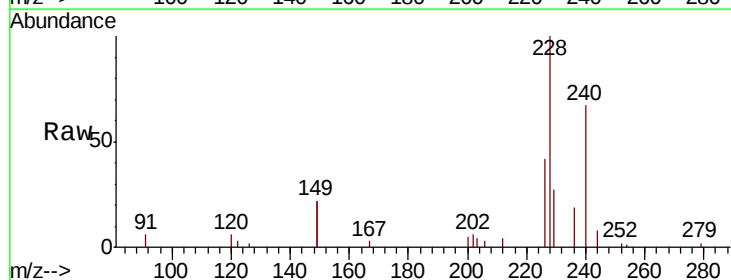


Time-->

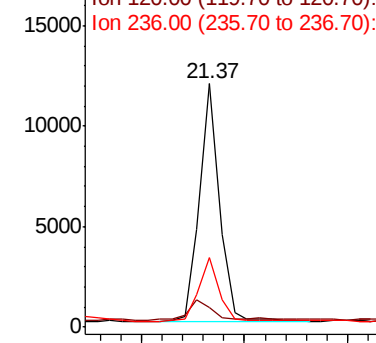


#27
Chrysene-d12
Concen: 0.400 ng
RT: 21.37 min Scan# 1630
Delta R.T. 0.01 min
Lab File: BE100713.D
Acq: 8 Nov 2019 12:01

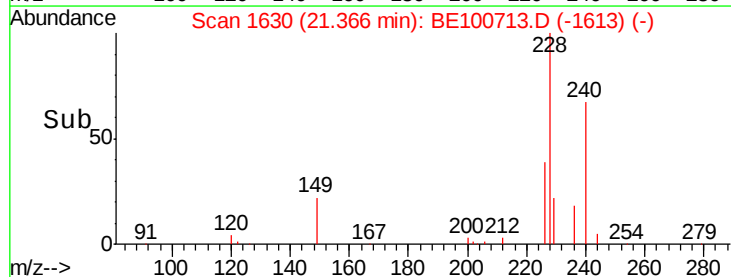
Tgt Ion:240 Resp: 15793
Ion Ratio Lower Upper
240 100
120 8.3 7.6 11.4
236 28.5 22.1 33.1

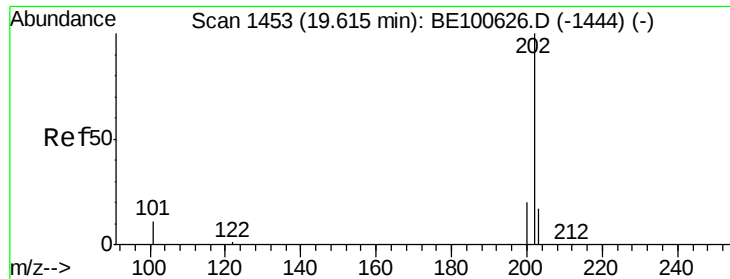


Abundance Ion 240.00 (239.70 to 240.70): E
Ion 120.00 (119.70 to 120.70): E
Ion 236.00 (235.70 to 236.70): E



Time-->

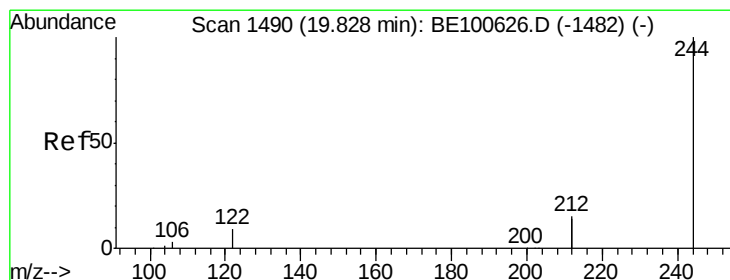
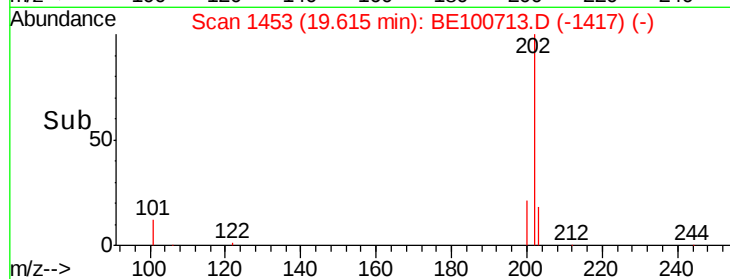
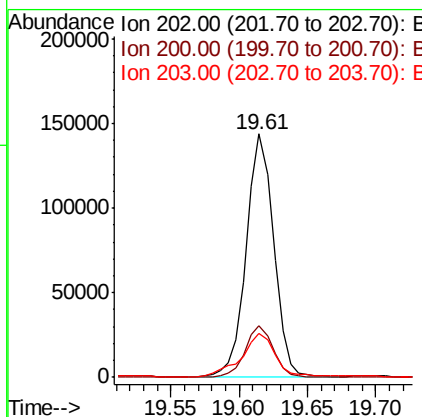
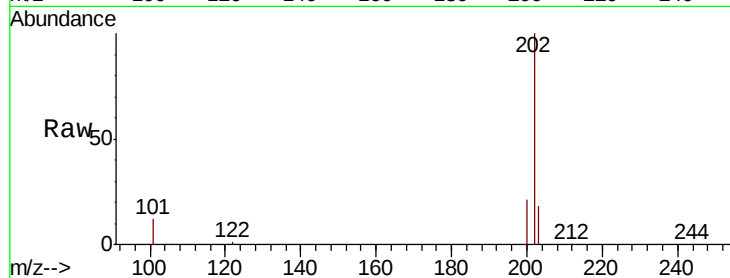




#28
Pvrene
Concen: 4.494 ng
RT: 19.61 min Scan# 1453
Delta R.T. 0.01 min
Lab File: BE100713.D
Acq: 8 Nov 2019 12:01

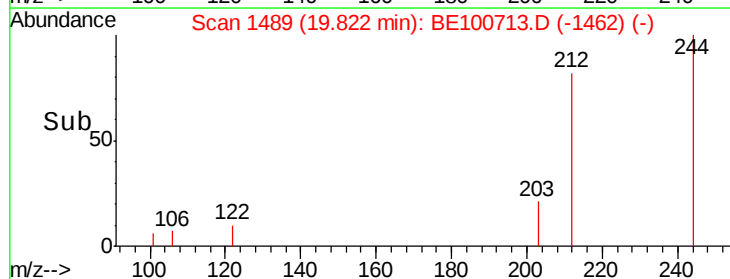
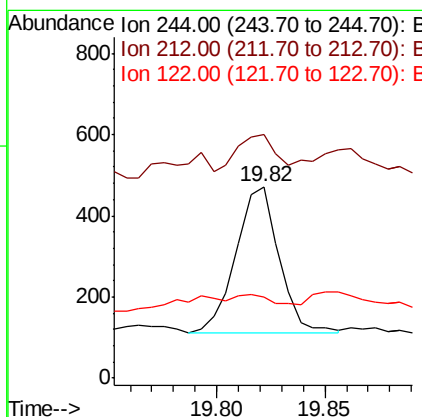
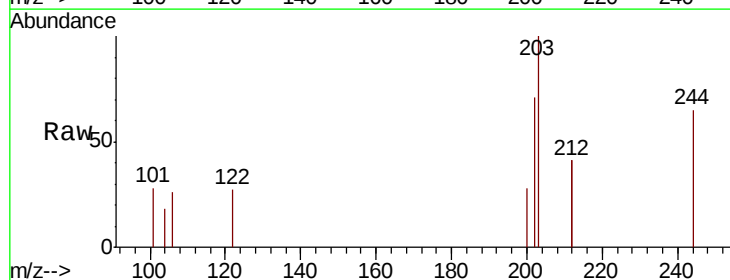
Instrument :
BNA_E
ClientSampleId :

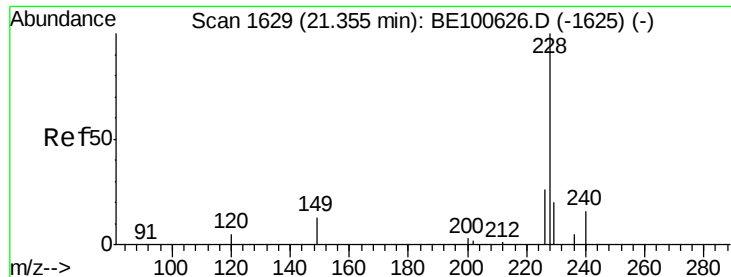
Tot Ion:202 Resp: 198274
Ion Ratio Lower Upper
202 100
200 21.2 16.7 25.1
203 21.9 14.0 21.0#



#29
Terphenyl-d14
Concen: 0.014 ng
RT: 19.82 min Scan# 1489
Delta R.T. 0.01 min
Lab File: BE100713.D
Acq: 8 Nov 2019 12:01

Tgt Ion:244 Resp: 497
Ion Ratio Lower Upper
244 100
212 127.1 23.7 35.5#
122 42.2 7.9 11.9#

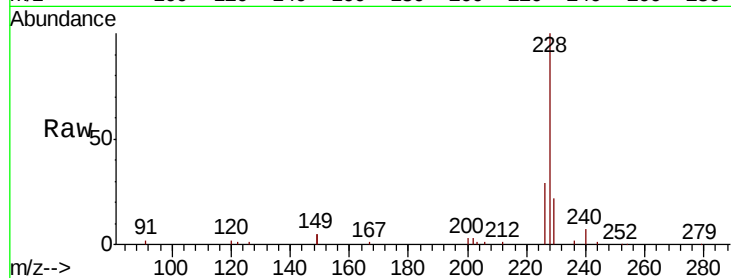




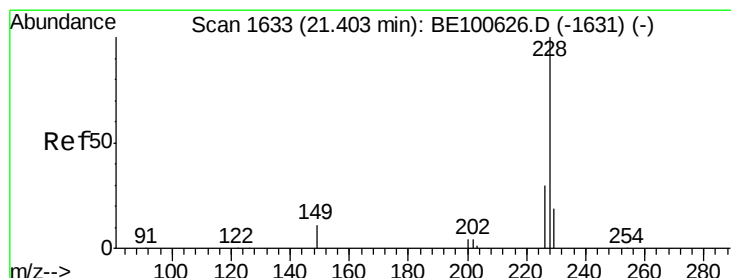
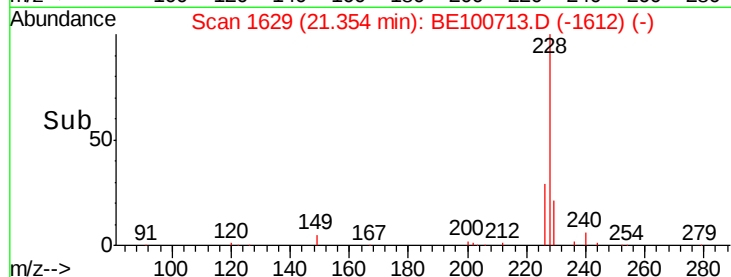
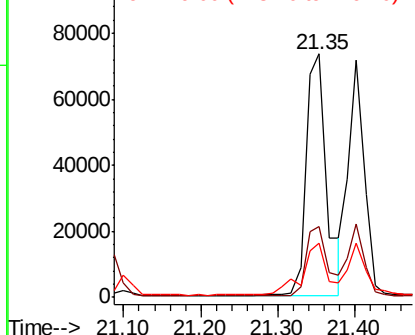
#30
Benzo(a)anthracene
Concen: 2.644 ng
RT: 21.35 min Scan# 1629
Delta R.T. 0.01 min
Lab File: BE100713.D
Acq: 8 Nov 2019 12:01

Instrument :
BNA_E
ClientSampled :

Tot Ion:228 Resp: 136226
Ion Ratio Lower Upper
228 100
226 29.1 21.4 32.0
229 22.1 16.0 24.0

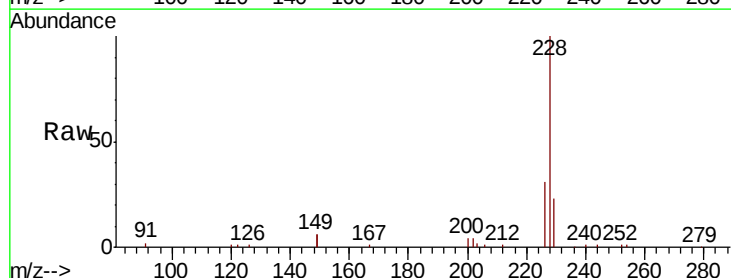


Abundance Ion 228.00 (227.70 to 228.70): E
100000 Ion 226.00 (225.70 to 226.70): E
80000 Ion 229.00 (228.70 to 229.70): E
60000
40000
20000
0

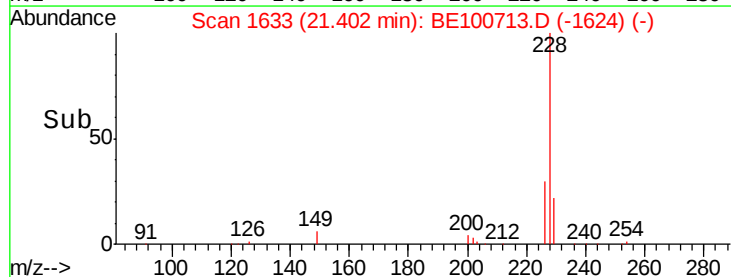
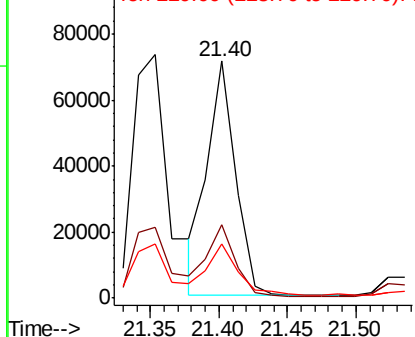


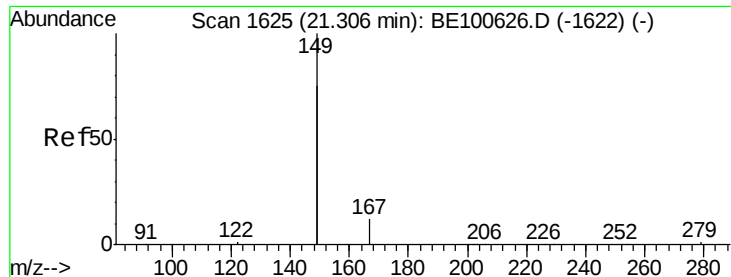
#31
Chrysene
Concen: 1.981 ng
RT: 21.40 min Scan# 1633
Delta R.T. 0.01 min
Lab File: BE100713.D
Acq: 8 Nov 2019 12:01

Tgt Ion:228 Resp: 101978
Ion Ratio Lower Upper
228 100
226 30.7 24.6 37.0
229 22.9 15.8 23.8



Abundance Ion 228.00 (227.70 to 228.70): E
100000 Ion 226.00 (225.70 to 226.70): E
80000 Ion 229.00 (228.70 to 229.70): E
60000
40000
20000
0





#32

Bis(2-ethylhexyl)phthalate

Concen: 0.061 ng

RT: 21.28 min Scan# 1623

Delta R.T. -0.01 min

Lab File: BE100713.D

Acq: 8 Nov 2019 12:01

Instrument :

BNA_E

ClientSampleId :

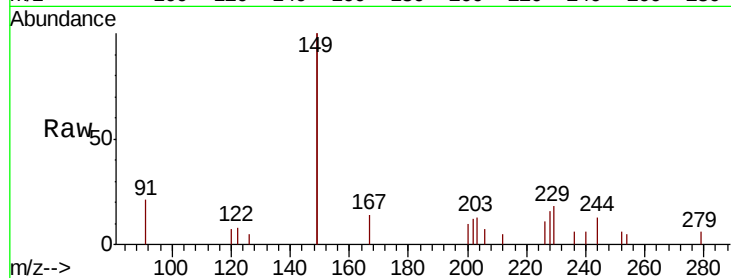
Tot Ion:149 Resp: 6521

Ion Ratio Lower Upper

149 100

167 7.1 5.5 8.3

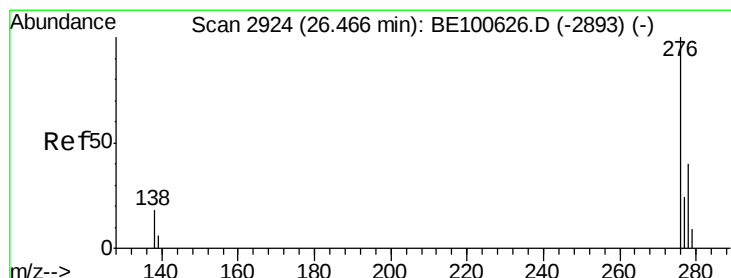
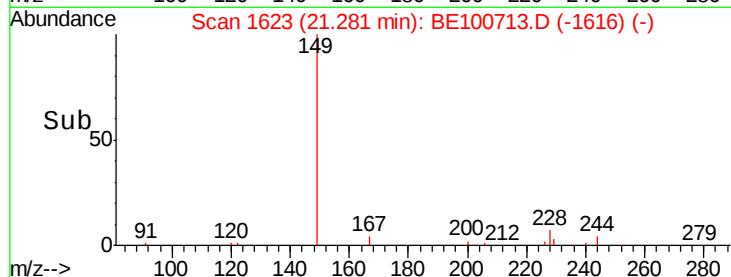
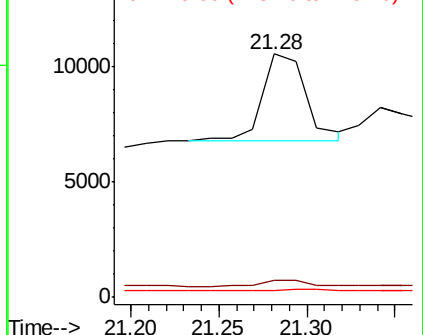
279 2.2 0.9 1.3#



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: 1.387 ng

RT: 26.47 min Scan# 2925

Delta R.T. 0.04 min

Lab File: BE100713.D

Acq: 8 Nov 2019 12:01

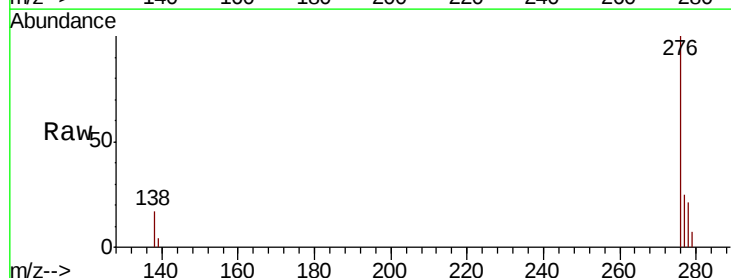
Tgt Ion:276 Resp: 87758

Ion Ratio Lower Upper

276 100

138 15.9 15.3 22.9

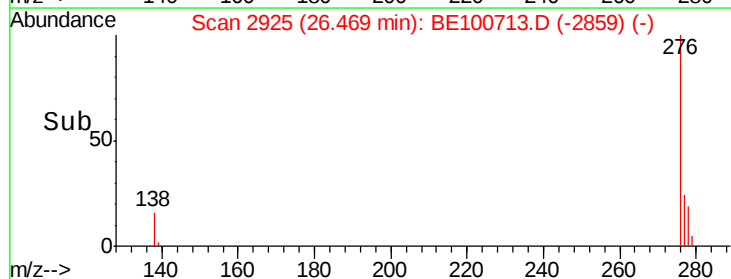
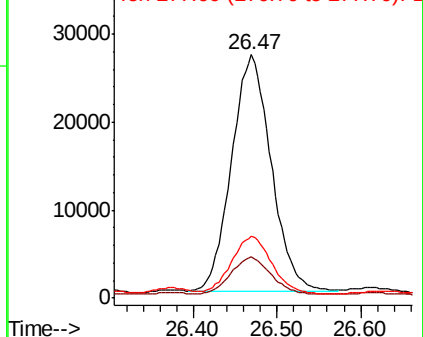
277 24.5 19.4 29.2

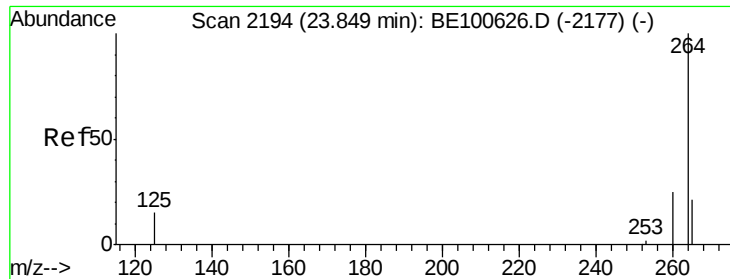


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E

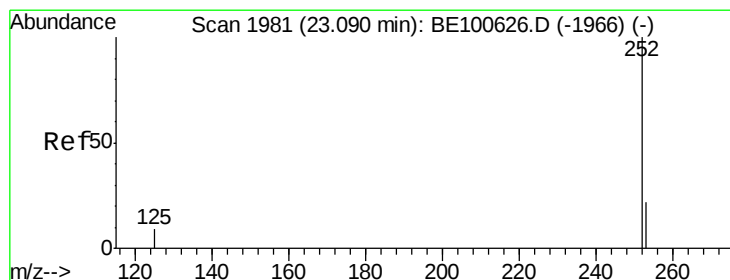
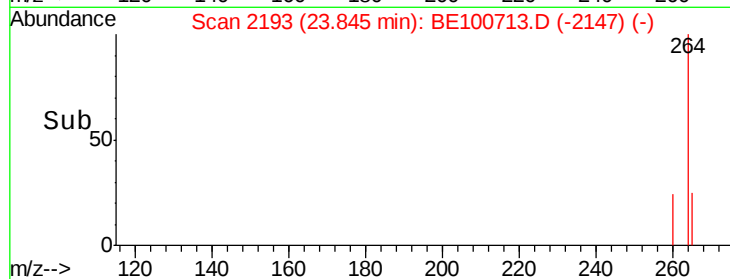
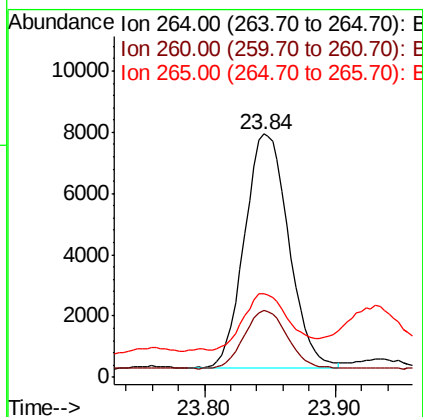
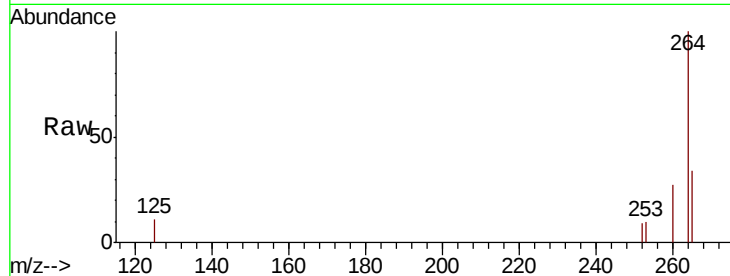




#34
 Pervlene-d12
 Concen: 0.400 ng
 RT: 23.84 min Scan# 2193
 Delta R.T. 0.01 min
 Lab File: BE100713.D
 Acq: 8 Nov 2019 12:01

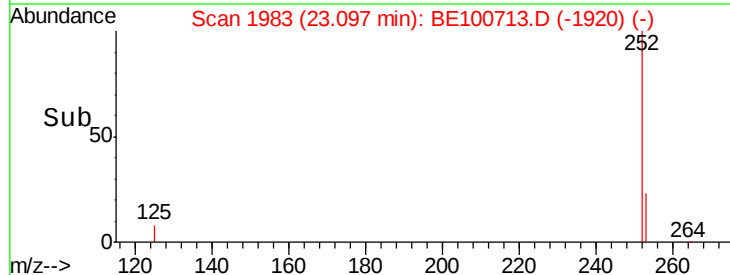
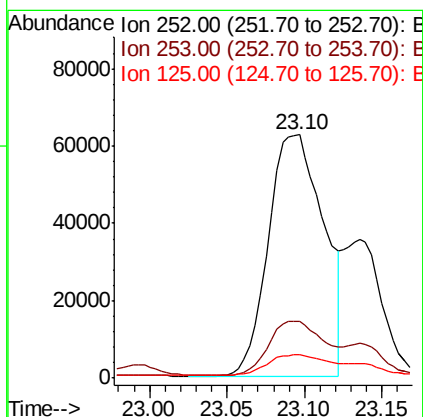
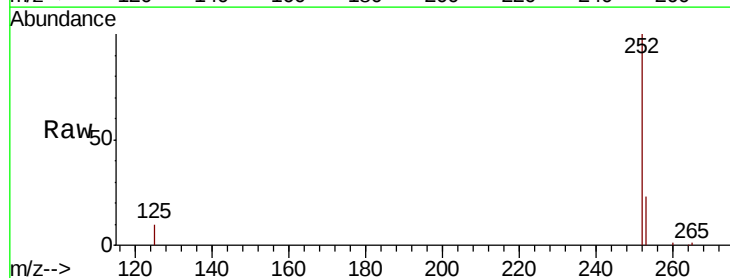
Instrument :
 BNA_E
 ClientSampled :

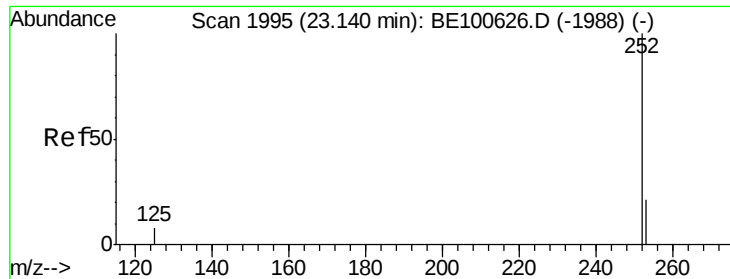
Tot Ion:264 Resp: 17936
 Ion Ratio Lower Upper
 264 100
 260 27.3 19.4 29.2
 265 34.4 21.7 32.5#



#35
 Benzo(b)fluoranthene
 Concen: 2.954 ng
 RT: 23.10 min Scan# 1983
 Delta R.T. 0.02 min
 Lab File: BE100713.D
 Acq: 8 Nov 2019 12:01

Tgt Ion:252 Resp: 154469
 Ion Ratio Lower Upper
 252 100
 253 23.4 18.4 27.6
 125 9.7 7.6 11.4

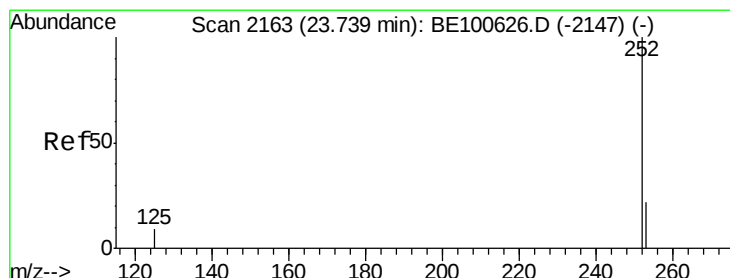
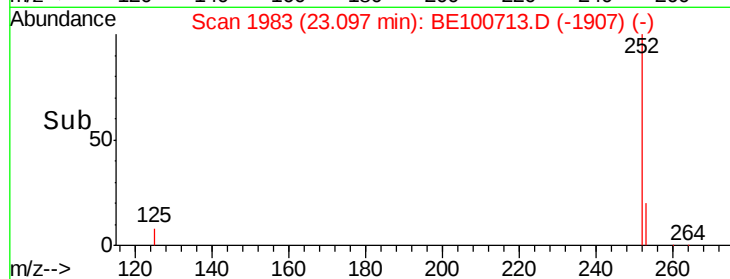
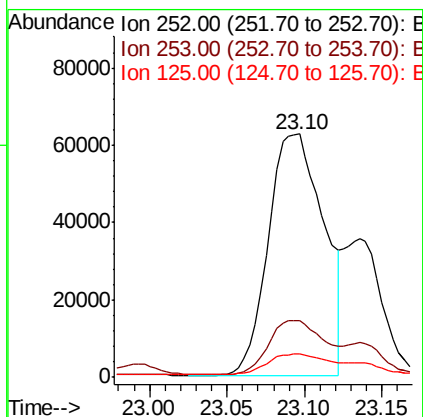
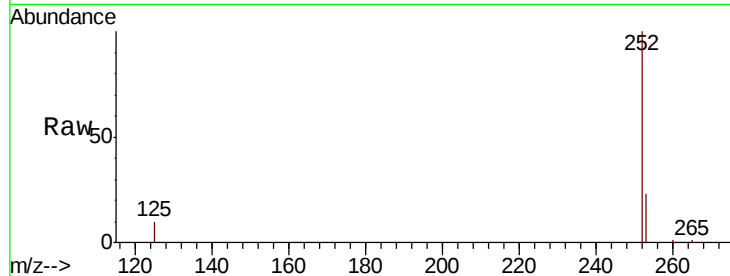




#36
Benzo(k)fluoranthene
Concen: 2.872 ng
RT: 23.10 min Scan# 1983
Delta R.T. -0.03 min
Lab File: BE100713.D
Acq: 8 Nov 2019 12:01

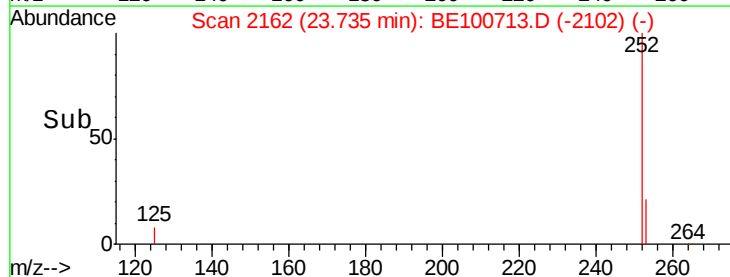
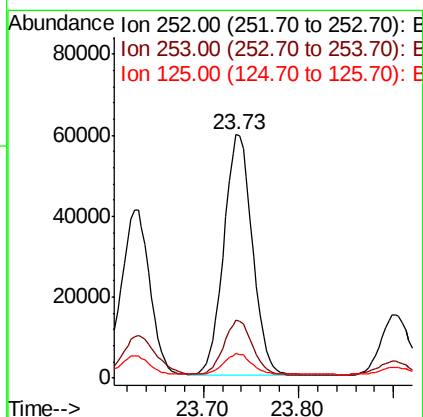
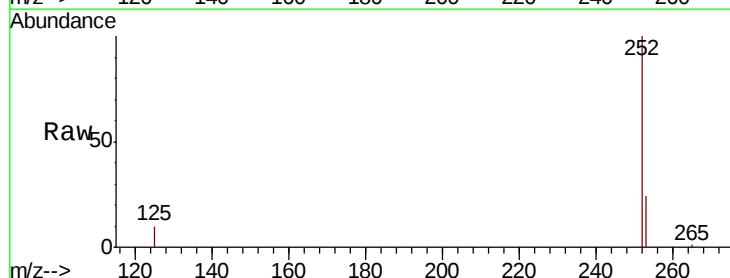
Instrument :
BNA_E
ClientSampleId :

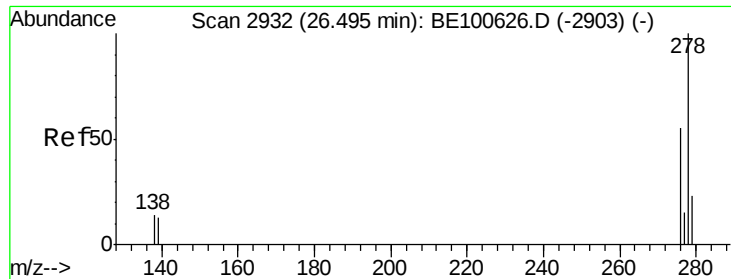
Tot Ion:252 Resp: 154469
Ion Ratio Lower Upper
252 100
253 23.4 18.4 27.6
125 9.7 11.6 17.4#



#37
Benzo(a)pyrene
Concen: 2.542 ng
RT: 23.73 min Scan# 2162
Delta R.T. 0.01 min
Lab File: BE100713.D
Acq: 8 Nov 2019 12:01

Tgt Ion:252 Resp: 123754
Ion Ratio Lower Upper
252 100
253 23.8 18.4 27.6
125 9.9 8.2 12.4

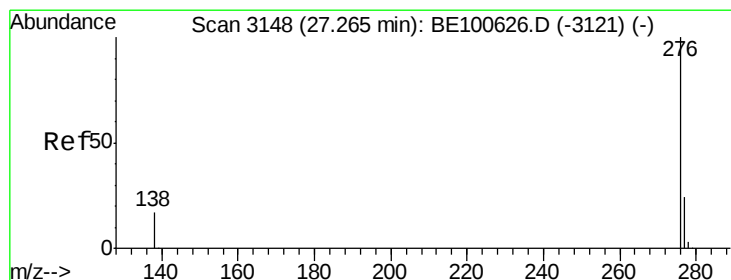
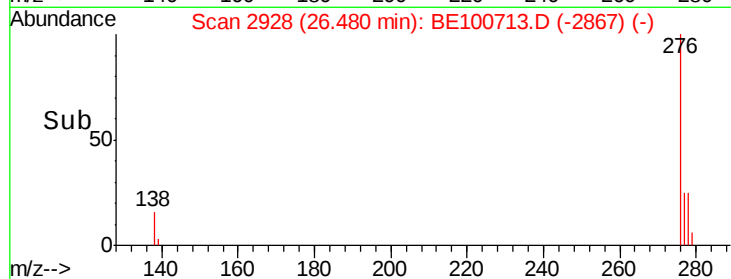
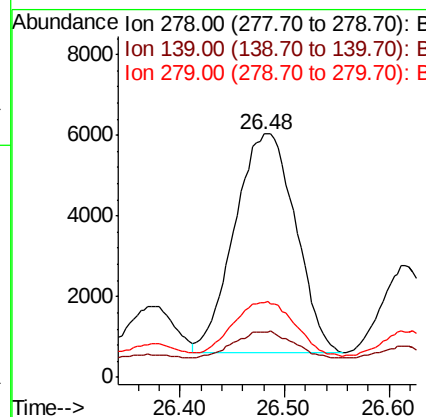
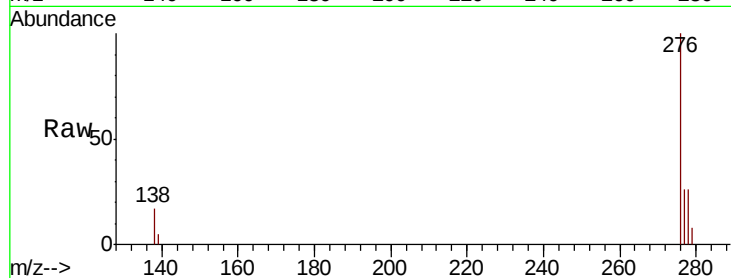




#38
Dibenzo(a,h)anthracene
Concen: 0.434 ng
RT: 26.48 min Scan# 2928
Delta R.T. 0.02 min
Lab File: BE100713.D
Acq: 8 Nov 2019 12:01

Instrument :
BNA_E
ClientSampleId :

Tot Ion:278 Resp: 21830
Ion Ratio Lower Upper
278 100
139 18.8 10.9 16.3#
279 30.9 19.4 29.2#



#39
Benzo(g,h,i)perylene
Concen: 1.813 ng
RT: 27.28 min Scan# 3152
Delta R.T. 0.05 min
Lab File: BE100713.D
Acq: 8 Nov 2019 12:01

Tgt Ion:276 Resp: 91748
Ion Ratio Lower Upper
276 100
277 24.9 19.4 29.0
138 16.8 13.6 20.4

