

Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE111419\
 Data File : BE100723.D
 Acq On : 14 Nov 2019 16:22
 Operator : JU
 Sample : SSTDICC1.6
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :

Quant Time: Nov 14 17:15:16 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA E\METHODS\8270-SIM-BE111419.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Nov 14 16:59:41 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.77	152	1868	0.40	ng	0.00
7) Naphthalene-d8	10.55	136	7975	0.40	ng	0.00
13) Acenaphthene-d10	14.40	164	5263	0.40	ng	-0.01
19) Phenanthrene-d10	17.13	188	12510	0.40	ng	0.00
27) Chrysene-d12	21.29	240	17088	0.40	ng	0.00
34) Perylene-d12	23.73	264	18774	0.40	ng	0.00

System Monitoring Compounds						
4) 2-Fluorophenol	5.36	112	8799	1.53	ng	0.00
5) Phenol-d6	6.94	99	12819	1.58	ng	0.00
8) Nitrobenzene-d5	8.91	82	11336	2.29	ng	0.00
11) 2-Methylnaphthalene-d10	12.15	152	21018	1.67	ng	0.00
14) 2,4,6-Tribromophenol	15.88	330	1079	0.78	ng	-0.01
15) 2-Fluorobiphenyl	13.03	172	31463	1.64	ng	0.00
25) Fluoranthene-d10	19.16	212	276513	1.71	ng	0.00
29) Terphenyl-d14	19.75	244	65646	1.76	ng	0.00

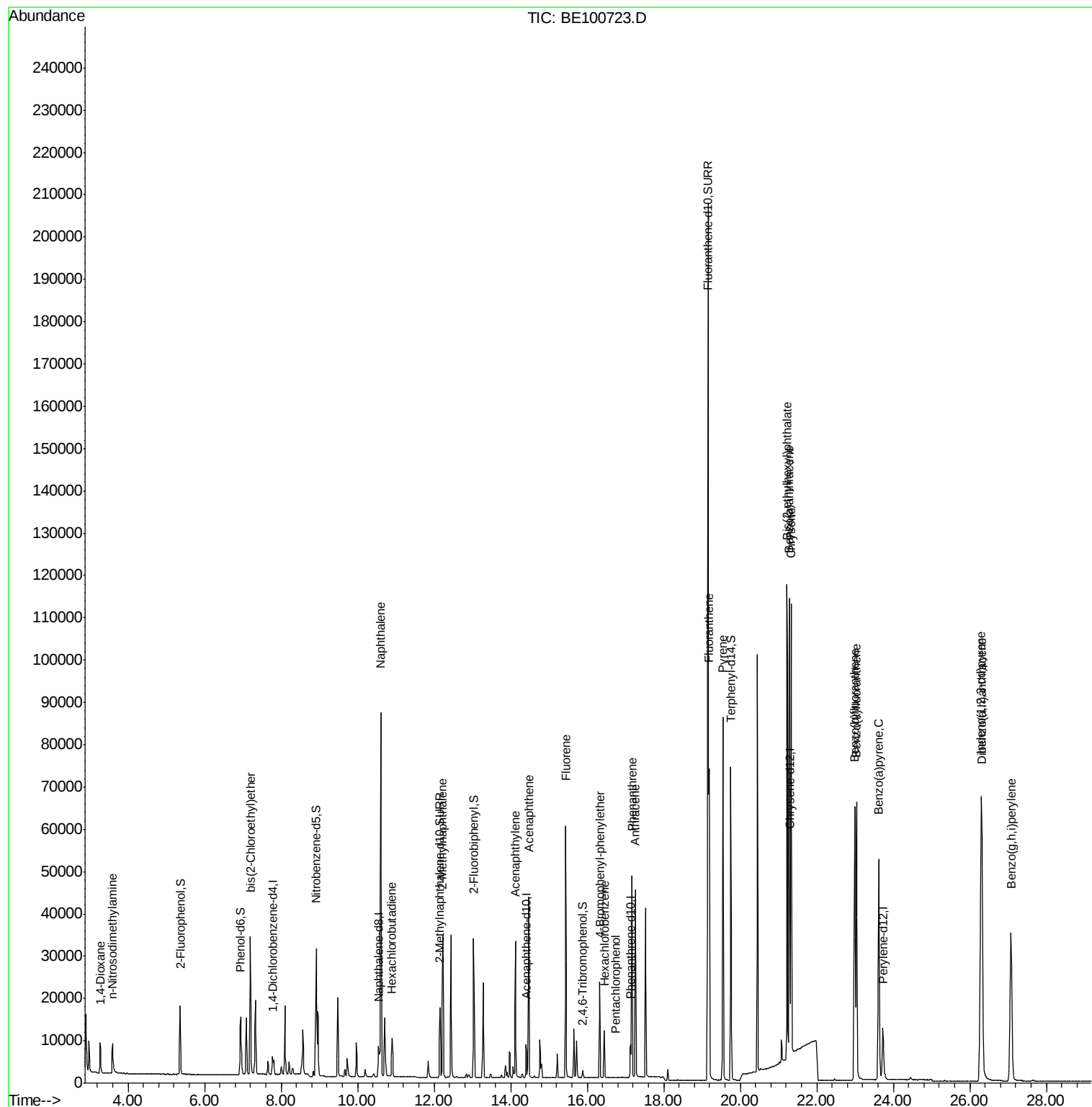
Target Compounds				Qvalue		
2) 1,4-Dioxane	3.28	88	4910	1.473	ng	96
3) n-Nitrosodimethylamine	3.59	42	5388	1.528	ng	# 96
6) bis(2-Chloroethyl)ether	7.19	93	11101	1.663	ng	94
9) Naphthalene	10.60	128	135868	1.620	ng	99
10) Hexachlorobutadiene	10.90	225	6216	1.706	ng	98
12) 2-Methylnaphthalene	12.22	142	23552	1.648	ng	95
16) Acenaphthylene	14.13	152	36228	1.600	ng	99
17) Acenaphthene	14.47	154	22946	1.568	ng	99
18) Fluorene	15.43	166	31576	1.624	ng	99
20) 4-Bromophenyl-phenylether	16.33	248	10744	1.688	ng	96
21) Hexachlorobenzene	16.45	284	10607	1.749	ng	98
22) Pentachlorophenol	16.73	266	7	0.004	ng	96
23) Phenanthrene	17.17	178	55384	1.610	ng	99
24) Anthracene	17.26	178	51136	1.602	ng	100
26) Fluoranthene	19.19	202	76367	1.700	ng	99
28) Pyrene	19.55	202	77292	1.619	ng	100
30) Benzo(a)anthracene	21.28	228	89653	1.608	ng	100
31) Chrysene	21.33	228	90470	1.624	ng	99
32) Bis(2-ethylhexyl)phthalate	21.22	149	149268	1.280	ng	99
33) Indeno(1,2,3-cd)pyrene	26.29	276	105370	1.539	ng	99
35) Benzo(b)fluoranthene	22.99	252	91342	1.669	ng	98
36) Benzo(k)fluoranthene	23.04	252	92480	1.643	ng	98
37) Benzo(a)pyrene	23.62	252	84153	1.651	ng	98
38) Dibenzo(a,h)anthracene	26.32	278	87975	1.670	ng	97
39) Benzo(g,h,i)perylene	27.08	276	85244	1.609	ng	98

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

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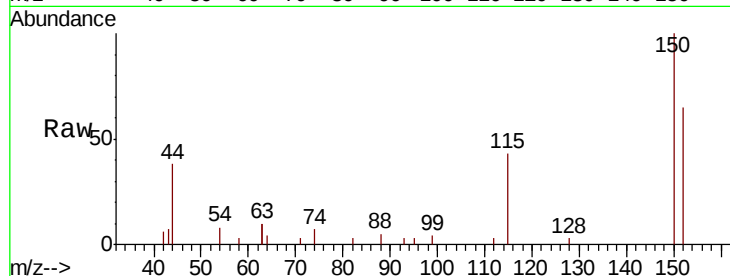


#1

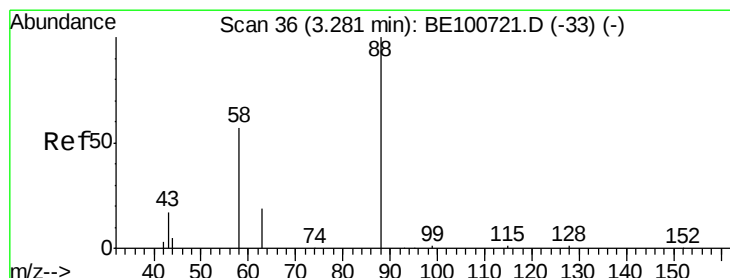
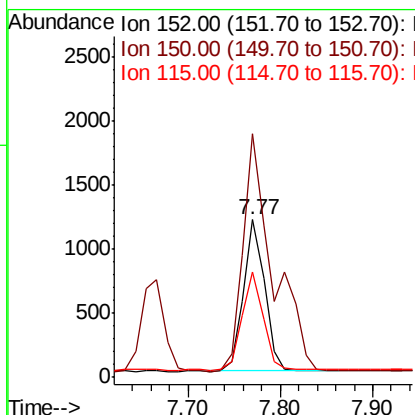
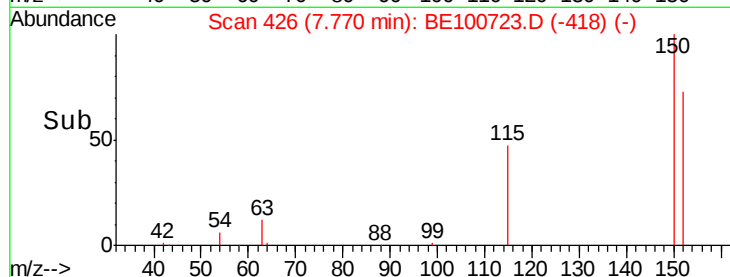
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.77 min Scan# 426
Delta R.T. -0.00 min
Lab File: BE100723.D
Acq: 14 Nov 2019 16:22

Instrument :
BNA_E
ClientSampleId :

Tot Ion:152 Resp: 1868
Ion Ratio Lower Upper
152 100
150 154.5 123.4 185.0
115 66.7 52.1 78.1



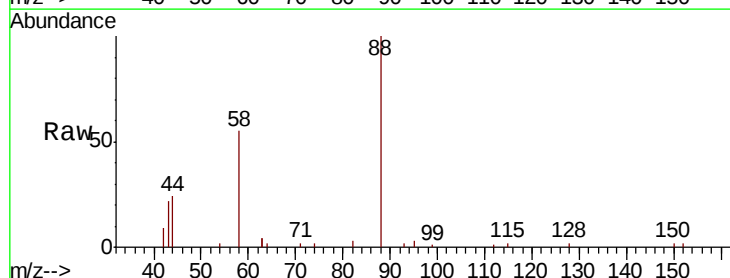
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



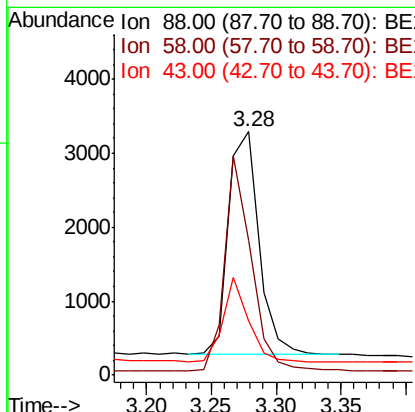
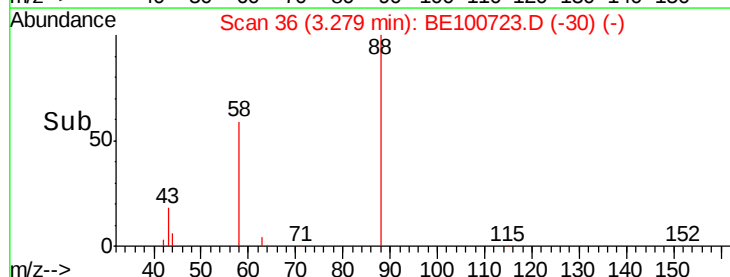
#2

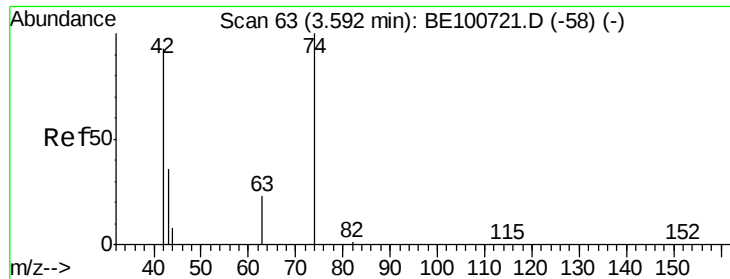
1,4-Dioxane
Concen: 1.473 ng
RT: 3.28 min Scan# 36
Delta R.T. -0.00 min
Lab File: BE100723.D
Acq: 14 Nov 2019 16:22

Tgt Ion: 88 Resp: 4910
Ion Ratio Lower Upper
88 100
58 83.3 69.8 104.8
43 32.0 27.0 40.4



Abundance Ion 88.00 (87.70 to 88.70): BE1
Ion 58.00 (57.70 to 58.70): BE1
Ion 43.00 (42.70 to 43.70): BE1





#3

n-Nitrosodimethylamine

Concen: 1.528 ng

RT: 3.59 min Scan# 63

Delta R.T. -0.00 min

Lab File: BE100723.D

Acq: 14 Nov 2019 16:22

Instrument :

BNA_E

ClientSampleId :

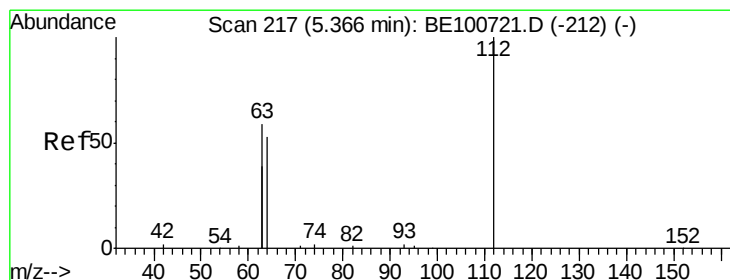
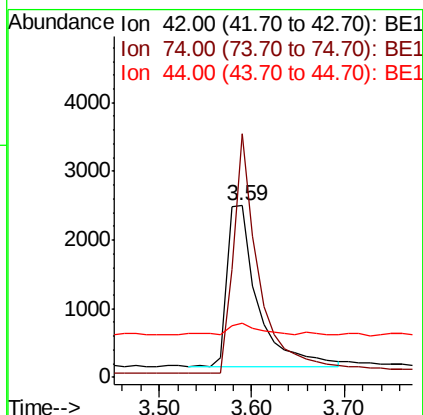
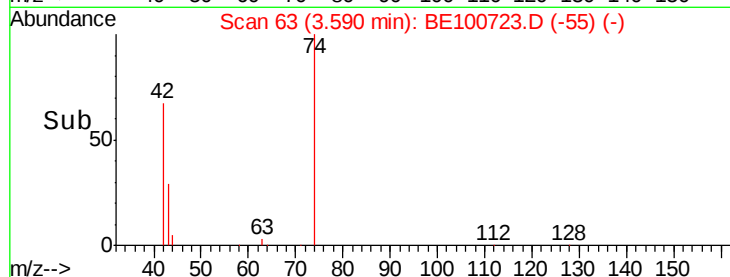
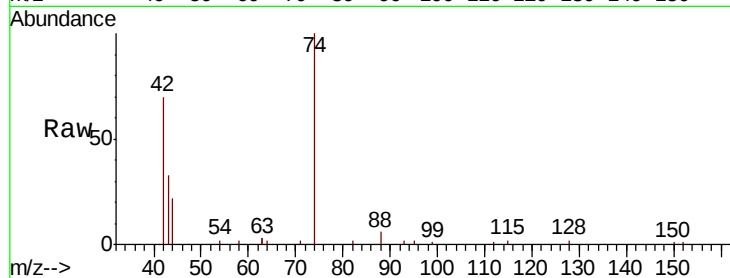
Tot Ion: 42 Resp: 5388

Ion Ratio Lower Upper

42 100

74 126.4 99.7 149.5

44 6.3 11.8 17.8#



#4

2-Fluorophenol

Concen: 1.525 ng

RT: 5.36 min Scan# 217

Delta R.T. -0.00 min

Lab File: BE100723.D

Acq: 14 Nov 2019 16:22

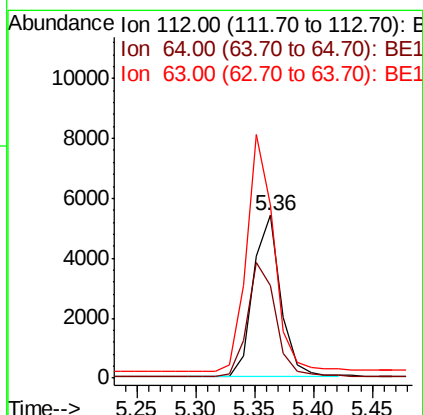
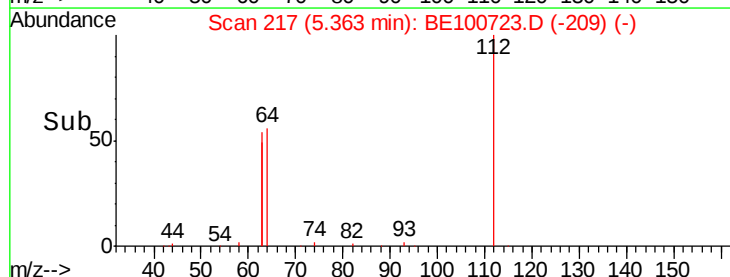
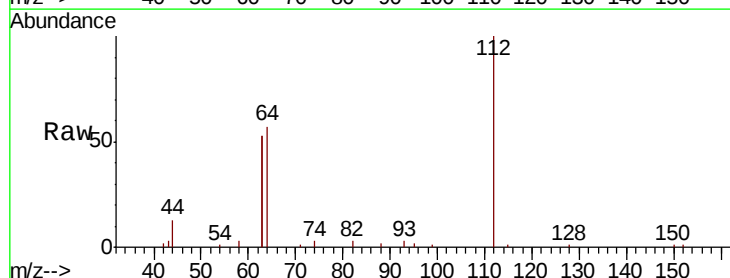
Tgt Ion: 112 Resp: 8799

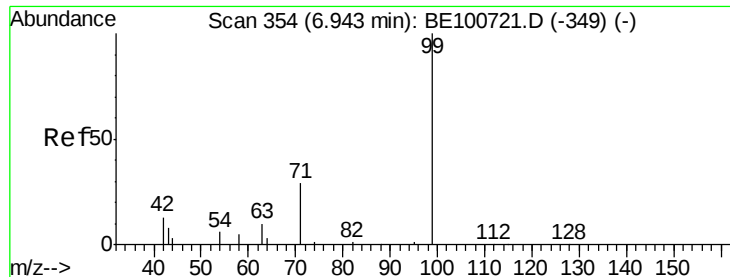
Ion Ratio Lower Upper

112 100

64 72.6 58.3 87.5

63 144.4 115.4 173.2





#5

Phenol-d6

Concen: 1.576 ng

RT: 6.94 min Scan# 354

Delta R.T. -0.00 min

Lab File: BE100723.D

Acq: 14 Nov 2019 16:22

Instrument :

BNA_E

ClientSampleId :

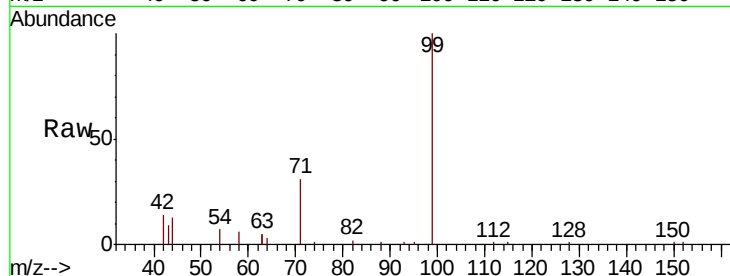
Tot Ion: 99 Resp: 12819

Ion Ratio Lower Upper

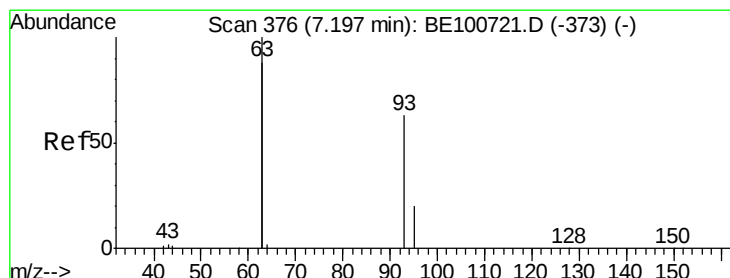
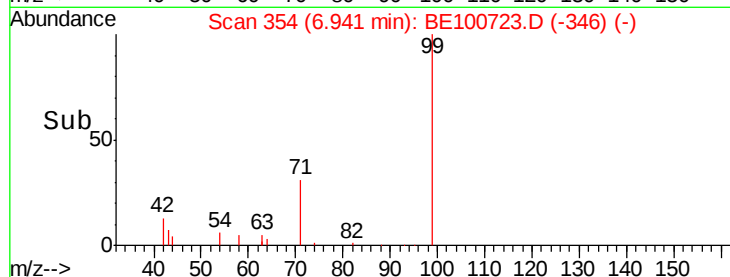
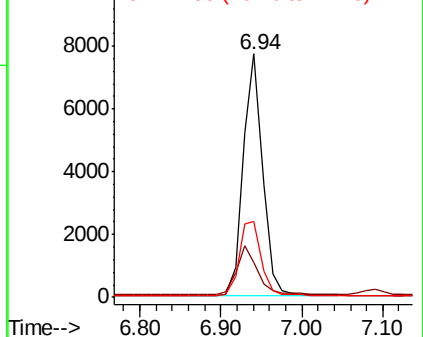
99 100

42 21.4 17.8 26.6

71 34.4 27.3 40.9



Abundance Ion 99.00 (98.70 to 99.70): BE1
Ion 42.00 (41.70 to 42.70): BE1
Ion 71.00 (70.70 to 71.70): BE1



#6

bis(2-Chloroethyl)ether

Concen: 1.663 ng

RT: 7.19 min Scan# 376

Delta R.T. -0.00 min

Lab File: BE100723.D

Acq: 14 Nov 2019 16:22

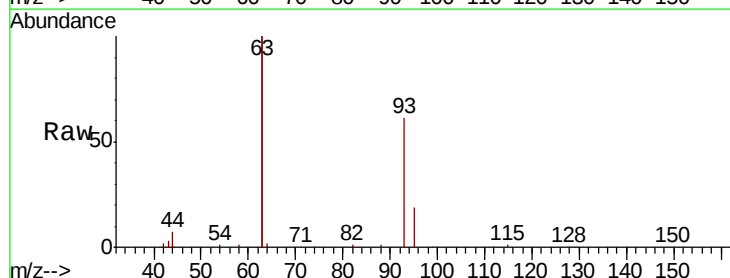
Tgt Ion: 93 Resp: 11101

Ion Ratio Lower Upper

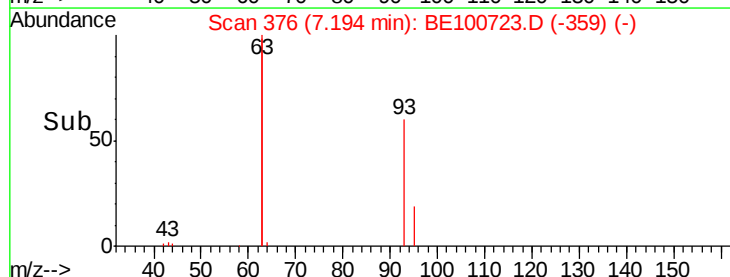
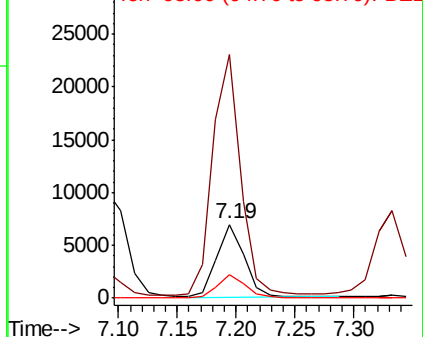
93 100

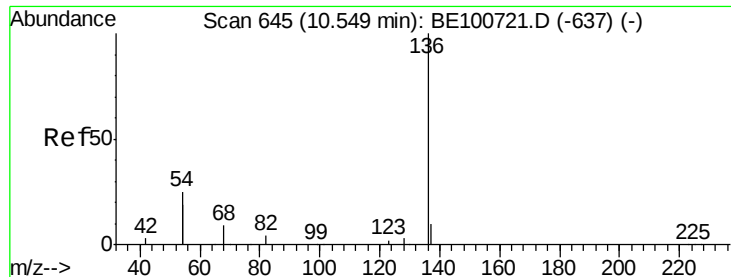
63 338.7 260.7 391.1

95 31.3 24.2 36.2



Abundance Ion 93.00 (92.70 to 93.70): BE1
Ion 63.00 (62.70 to 63.70): BE1
Ion 95.00 (94.70 to 95.70): BE1





#7

Naphthalene-d8

Concen: 0.400 ng

RT: 10.55 min Scan# 645

Delta R.T. -0.00 min

Lab File: BE100723.D

Acq: 14 Nov 2019 16:22

Instrument :

BNA_E

ClientSampleId :

Tot Ion:136 Resp: 7975

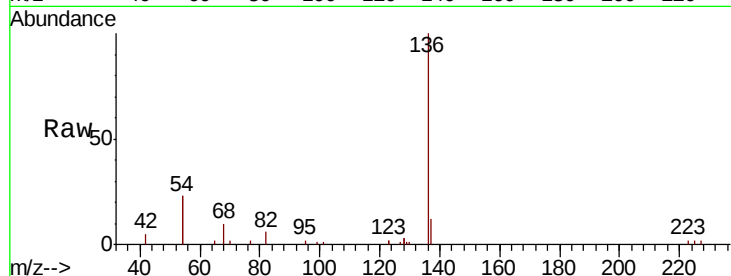
Ion Ratio Lower Upper

136 100

137 11.9 9.1 13.7

54 46.4 39.0 58.6

68 9.6 7.8 11.8

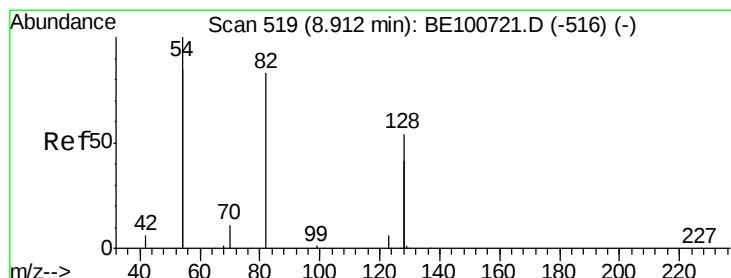
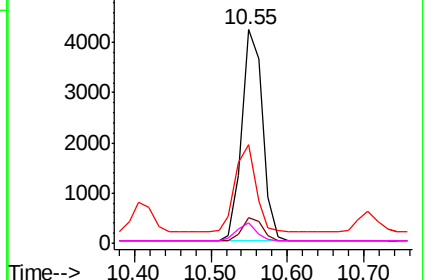
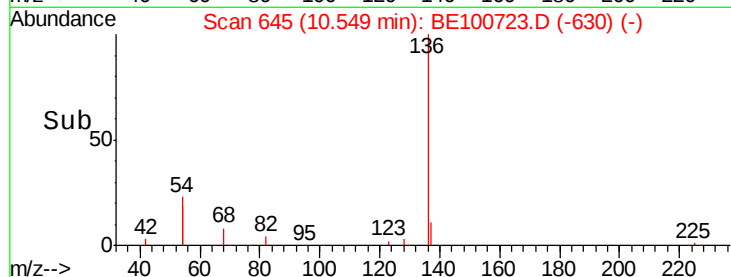


Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BE1

Ion 68.00 (67.70 to 68.70): BE1



#8

Nitrobenzene-d5

Concen: 2.293 ng

RT: 8.91 min Scan# 519

Delta R.T. -0.00 min

Lab File: BE100723.D

Acq: 14 Nov 2019 16:22

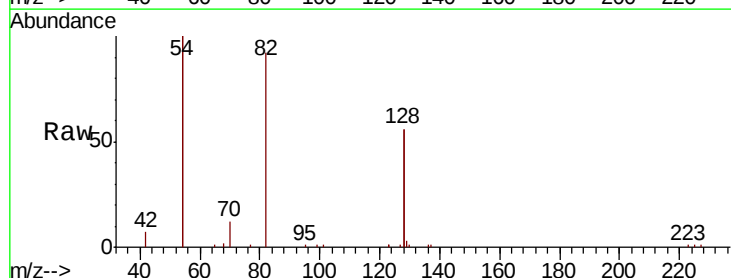
Tgt Ion: 82 Resp: 11336

Ion Ratio Lower Upper

82 100

128 121.1 99.6 149.4

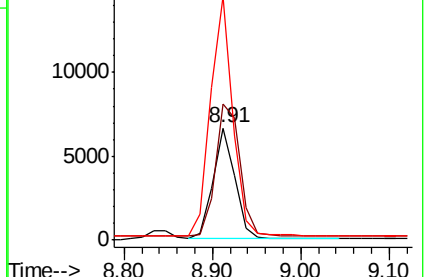
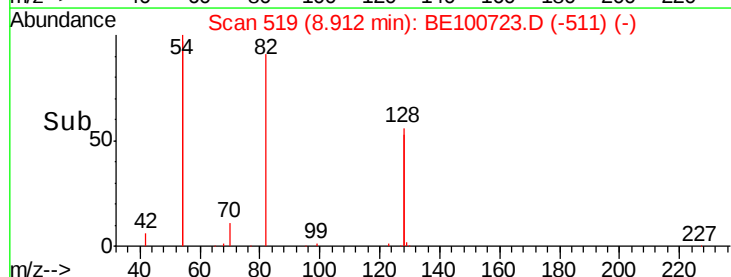
54 217.7 183.8 275.8

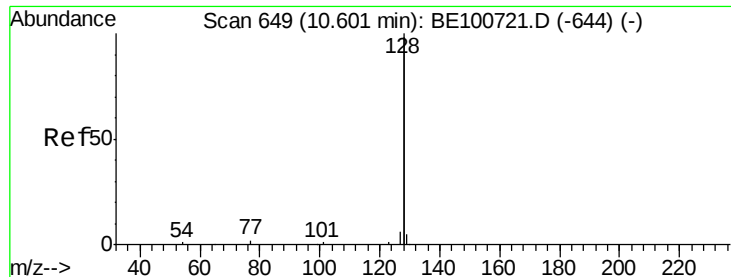


Abundance Ion 82.00 (81.70 to 82.70): BE1

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BE1





#9

Naphthalene

Concen: 1.620 ng

RT: 10.60 min Scan# 649

Delta R.T. -0.00 min

Lab File: BE100723.D

Acq: 14 Nov 2019 16:22

Instrument :

BNA_E

ClientSampleId :

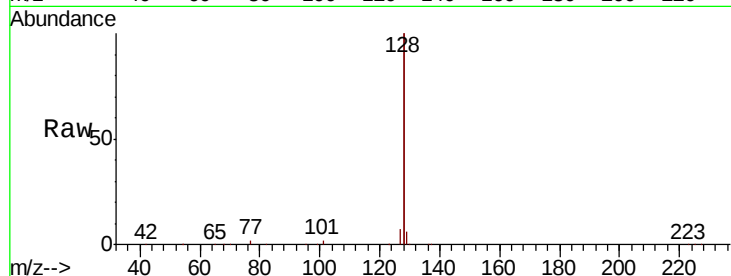
Tot Ion:128 Resp: 135868

Ion Ratio Lower Upper

128 100

129 2.8 2.4 3.6

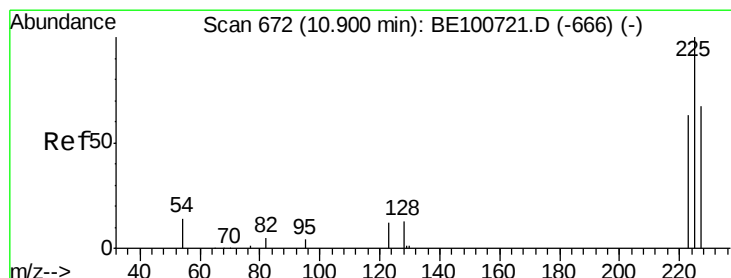
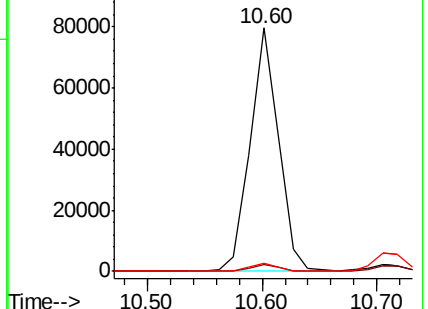
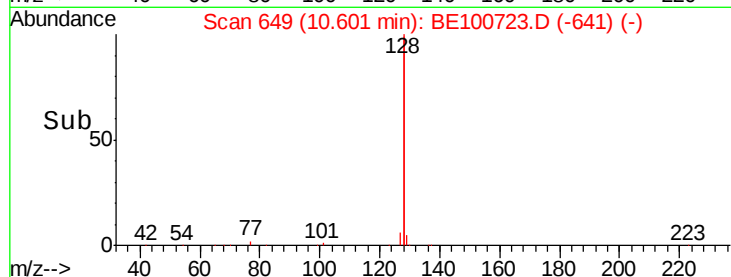
127 3.3 2.7 4.1



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



#10

Hexachlorobutadiene

Concen: 1.706 ng

RT: 10.90 min Scan# 672

Delta R.T. -0.00 min

Lab File: BE100723.D

Acq: 14 Nov 2019 16:22

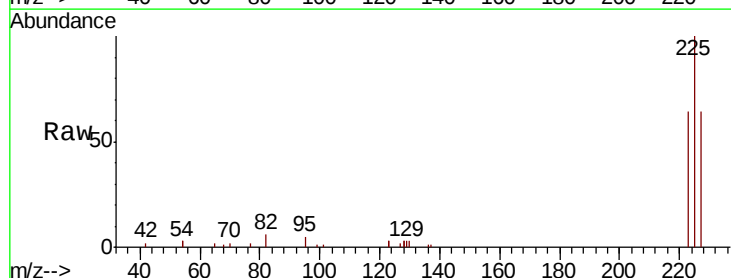
Tgt Ion:225 Resp: 6216

Ion Ratio Lower Upper

225 100

223 63.3 50.6 76.0

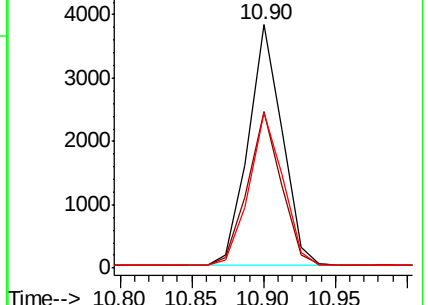
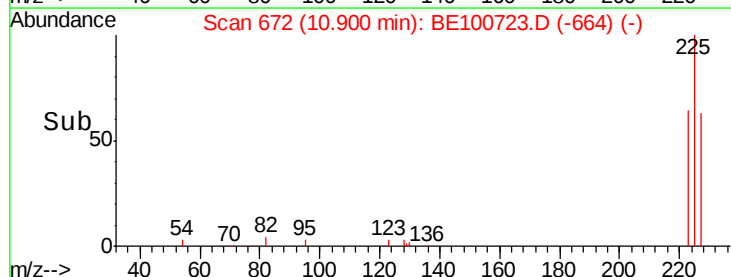
227 63.8 53.0 79.6

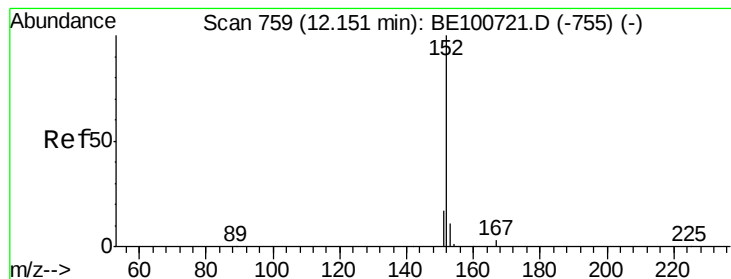


Abundance Ion 225.00 (224.70 to 225.70): E

Ion 223.00 (222.70 to 223.70): E

Ion 227.00 (226.70 to 227.70): E





#11

2-Methylnaphthalene-d10

Concen: 1.671 ng

RT: 12.15 min Scan# 759

Delta R.T. 0.00 min

Lab File: BE100723.D

Acq: 14 Nov 2019 16:22

Instrument :

BNA_E

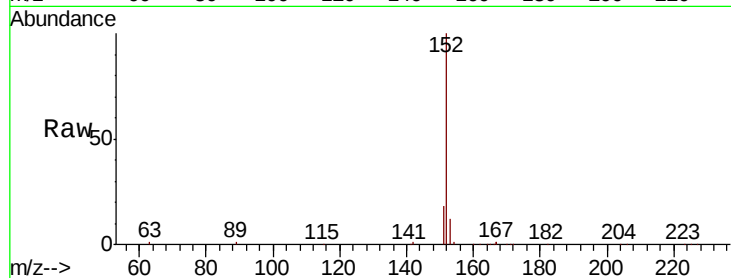
ClientSampleId :

Tot Ion:152 Resp: 21018

Ion Ratio Lower Upper

152 100

151 19.2 14.2 21.4



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

12.15

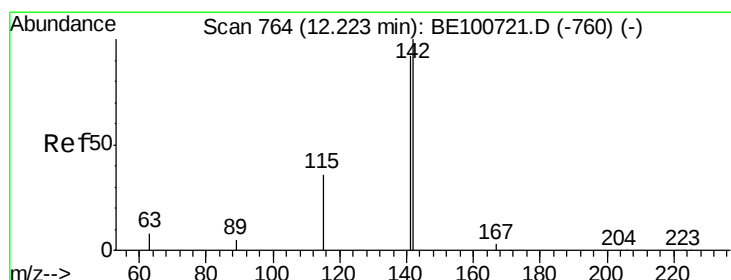
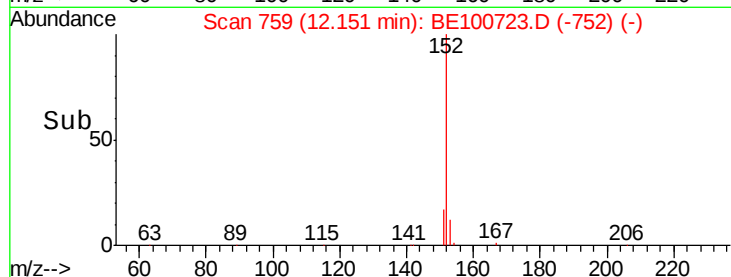
15000

10000

5000

0

Time--> 12.00 12.10 12.20 12.30



#12

2-Methylnaphthalene

Concen: 1.648 ng

RT: 12.22 min Scan# 764

Delta R.T. 0.00 min

Lab File: BE100723.D

Acq: 14 Nov 2019 16:22

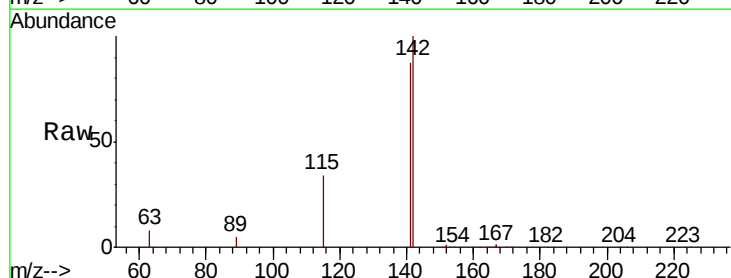
Tgt Ion:142 Resp: 23552

Ion Ratio Lower Upper

142 100

141 87.0 73.3 109.9

115 34.5 29.9 44.9



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

12.22

20000

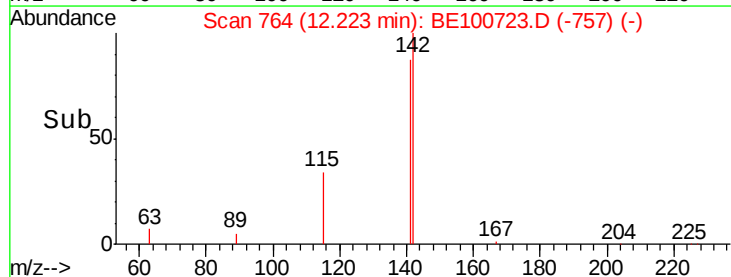
15000

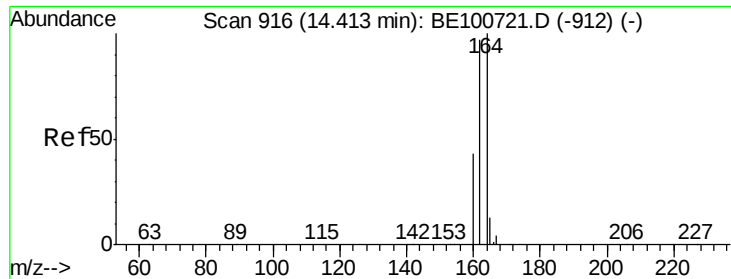
10000

5000

0

Time--> 12.10 12.20 12.30

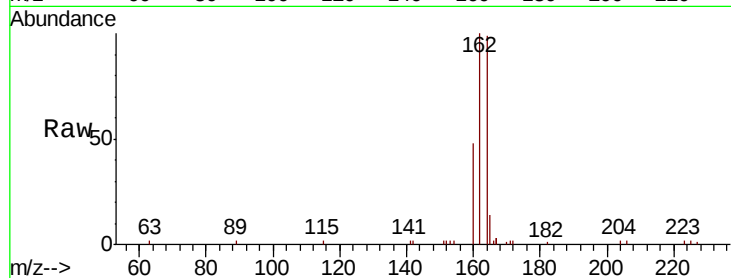




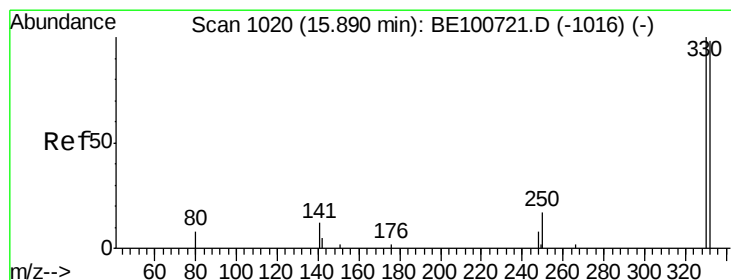
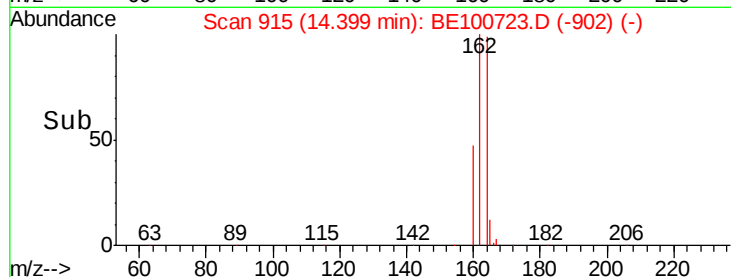
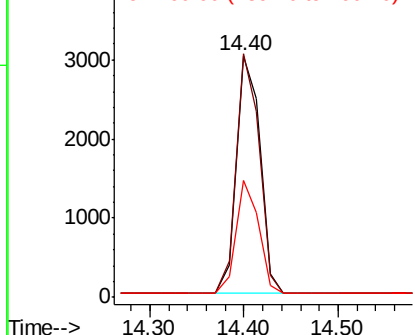
#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.40 min Scan# 915
Delta R.T. -0.01 min
Lab File: BE100723.D
Acq: 14 Nov 2019 16:22

Instrument :
BNA_E
ClientSampleId :

Tot Ion:164 Resp: 5263
Ion Ratio Lower Upper
164 100
162 100.9 77.8 116.8
160 48.3 35.3 52.9

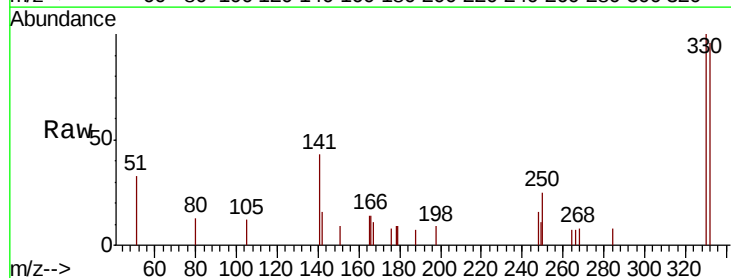


Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

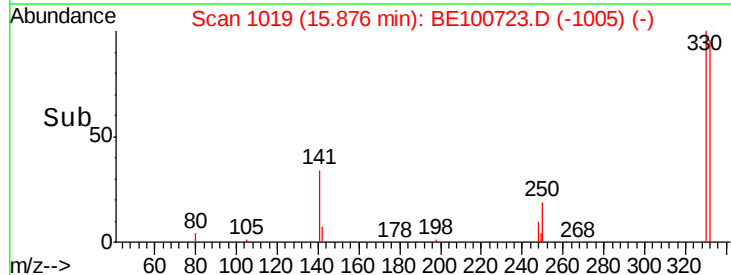
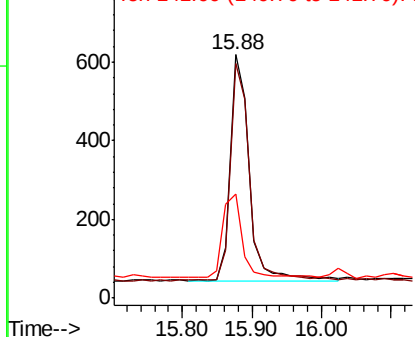


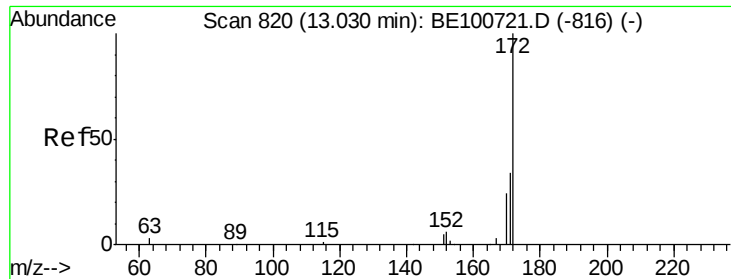
#14
2,4,6-Tribromophenol
Concen: 0.776 ng
RT: 15.88 min Scan# 1019
Delta R.T. -0.01 min
Lab File: BE100723.D
Acq: 14 Nov 2019 16:22

Tgt Ion:330 Resp: 1079
Ion Ratio Lower Upper
330 100
332 96.1 85.0 127.6
141 36.9 28.2 42.2



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

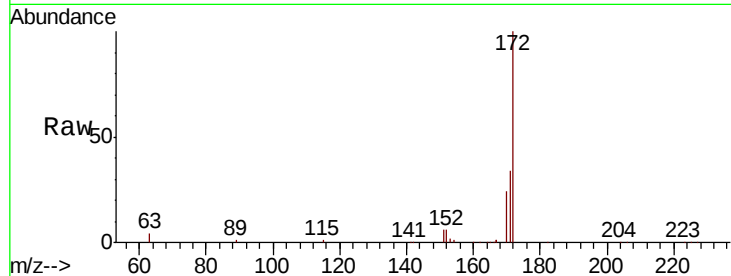




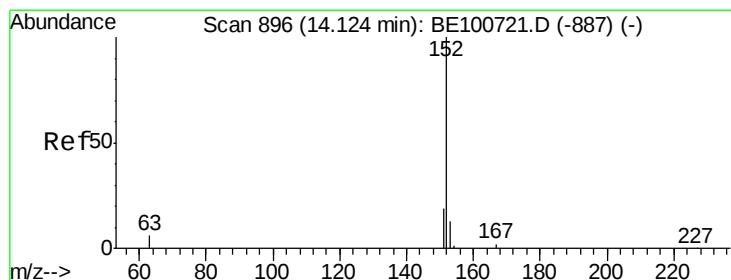
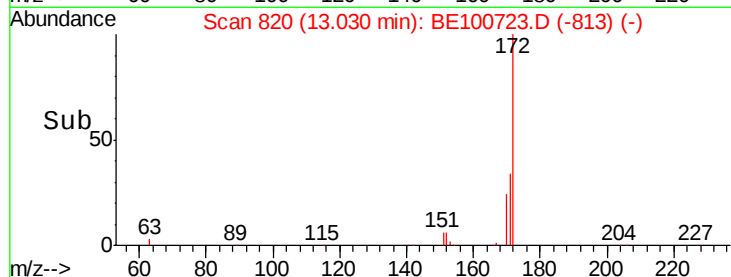
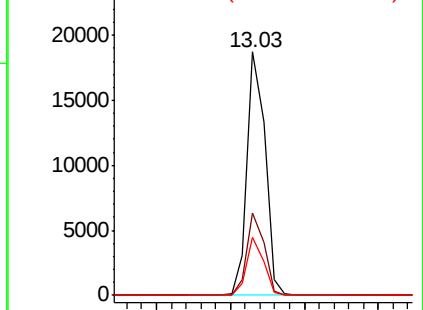
#15
2-Fluorobiphenyl
Concen: 1.641 ng
RT: 13.03 min Scan# 820
Delta R.T. 0.00 min
Lab File: BE100723.D
Acq: 14 Nov 2019 16:22

Instrument :
BNA_E
ClientSampleId :

Tot Ion:172 Resp: 31463
Ion Ratio Lower Upper
172 100
171 34.1 28.1 42.1
170 23.8 19.8 29.6

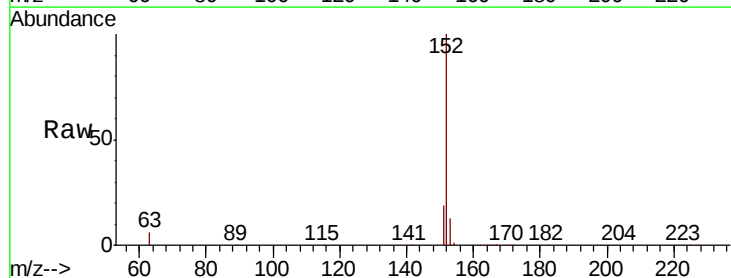


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

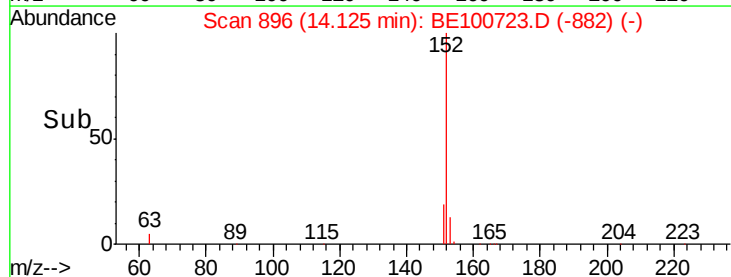
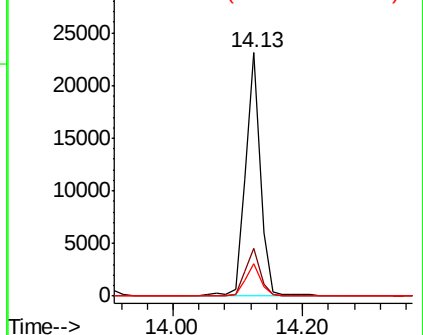


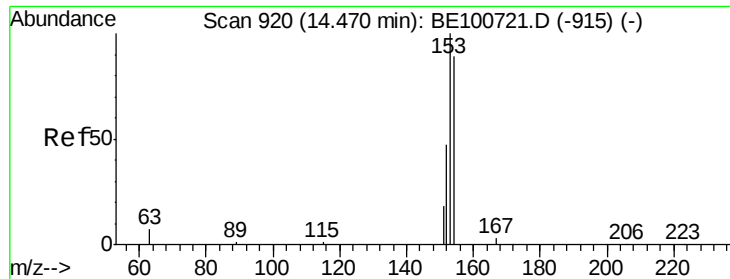
#16
Acenaphthylene
Concen: 1.600 ng
RT: 14.13 min Scan# 896
Delta R.T. 0.00 min
Lab File: BE100723.D
Acq: 14 Nov 2019 16:22

Tgt Ion:152 Resp: 36228
Ion Ratio Lower Upper
152 100
151 19.5 14.9 22.3
153 13.2 10.7 16.1



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

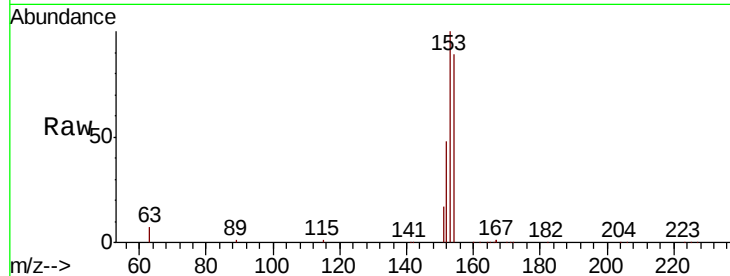




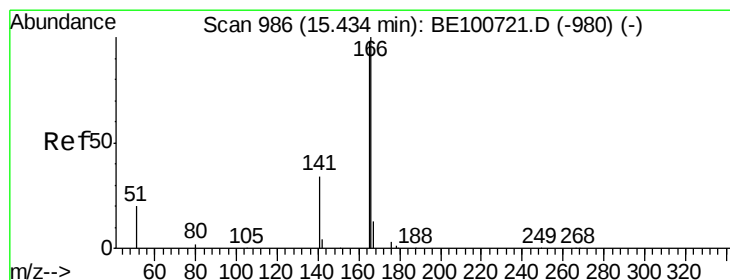
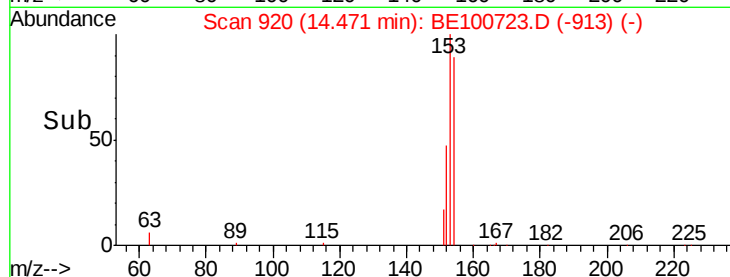
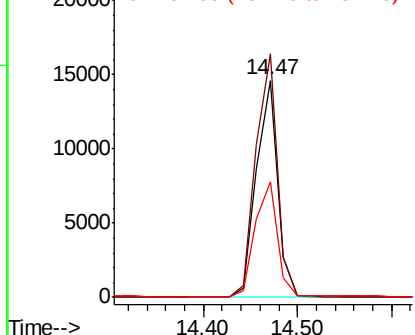
#17
Acenaphthene
Concen: 1.568 ng
RT: 14.47 min Scan# 920
Delta R.T. 0.00 min
Lab File: BE100723.D
Acq: 14 Nov 2019 16:22

Instrument :
BNA_E
ClientSampleId :

Tot Ion:154 Resp: 22946
Ion Ratio Lower Upper
154 100
153 113.6 91.9 137.9
152 55.7 44.8 67.2

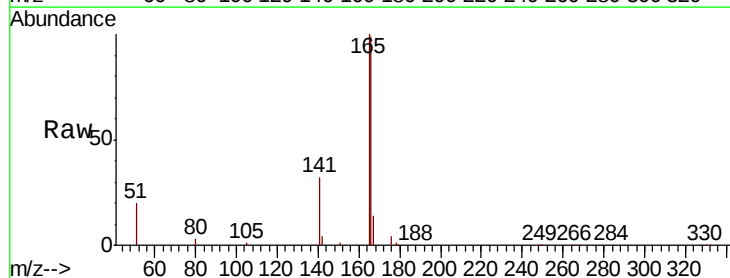


Abundance Ion 154.00 (153.70 to 154.70): E
Ion 153.00 (152.70 to 153.70): E
Ion 152.00 (151.70 to 152.70): E

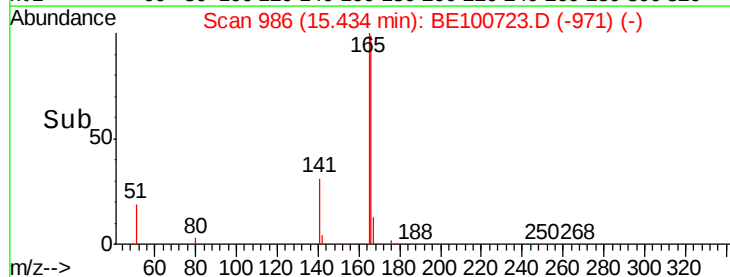
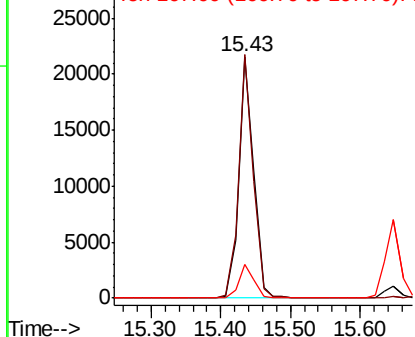


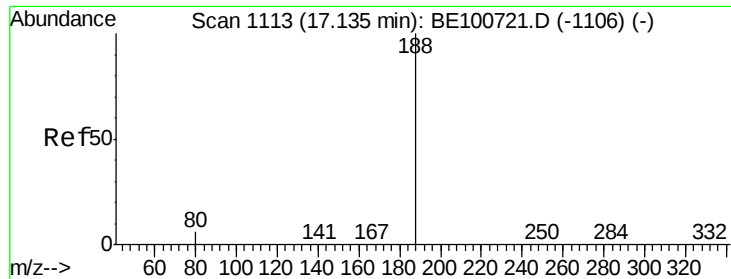
#18
Fluorene
Concen: 1.624 ng
RT: 15.43 min Scan# 986
Delta R.T. -0.00 min
Lab File: BE100723.D
Acq: 14 Nov 2019 16:22

Tgt Ion:166 Resp: 31576
Ion Ratio Lower Upper
166 100
165 99.2 78.2 117.4
167 13.5 10.6 16.0



Abundance Ion 166.00 (165.70 to 166.70): E
Ion 165.00 (164.70 to 165.70): E
Ion 167.00 (166.70 to 167.70): E





#19

Phenanthrene-d10

Concen: 0.400 ng

RT: 17.13 min Scan# 1113

Delta R.T. -0.00 min

Lab File: BE100723.D

Acq: 14 Nov 2019 16:22

Instrument :

BNA_E

ClientSampleId :

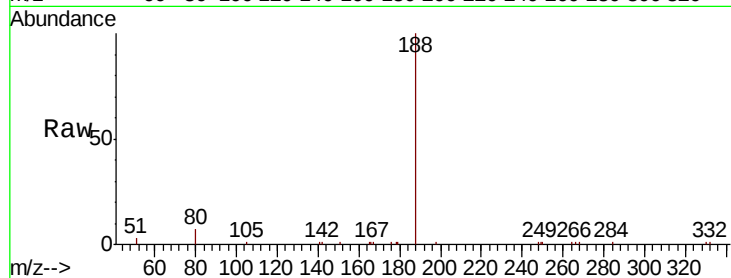
Tot Ion:188 Resp: 12510

Ion Ratio Lower Upper

188 100

94 0.0 0.0 0.0

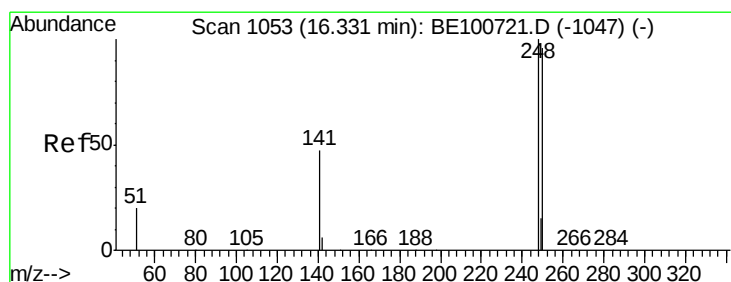
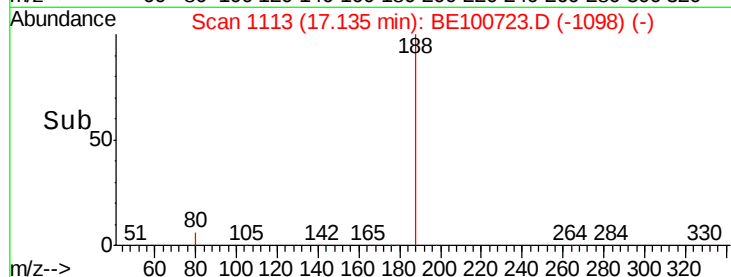
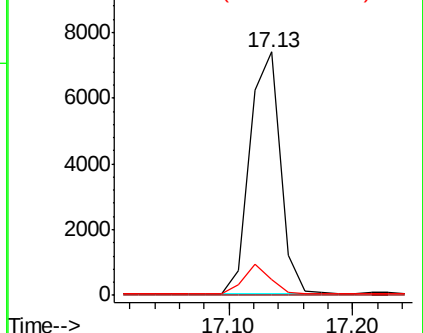
80 6.5 5.4 8.0



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



#20

4-Bromophenyl-phenylether

Concen: 1.688 ng

RT: 16.33 min Scan# 1053

Delta R.T. -0.00 min

Lab File: BE100723.D

Acq: 14 Nov 2019 16:22

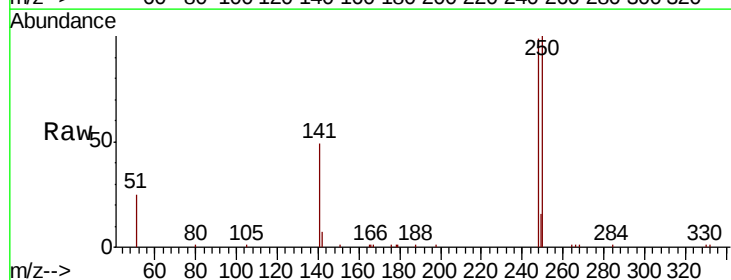
Tgt Ion:248 Resp: 10744

Ion Ratio Lower Upper

248 100

250 101.0 77.1 115.7

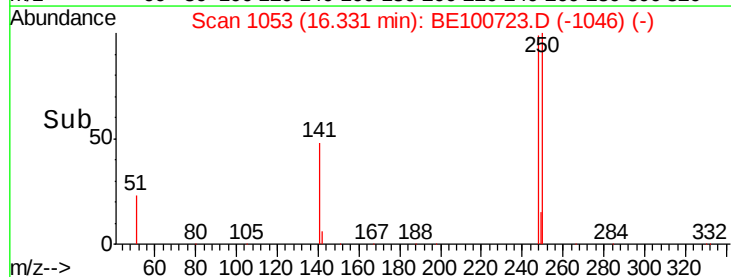
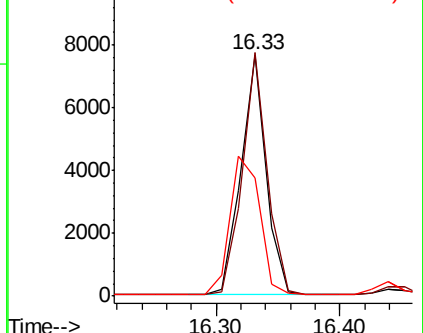
141 49.1 38.6 58.0

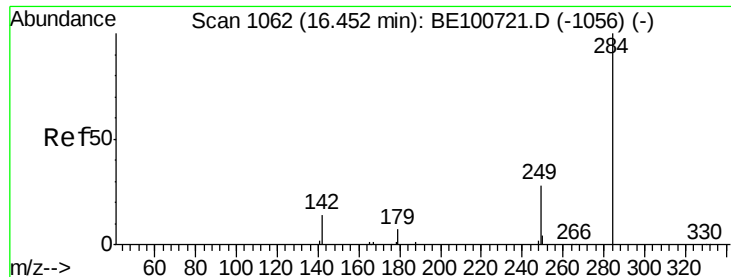


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E

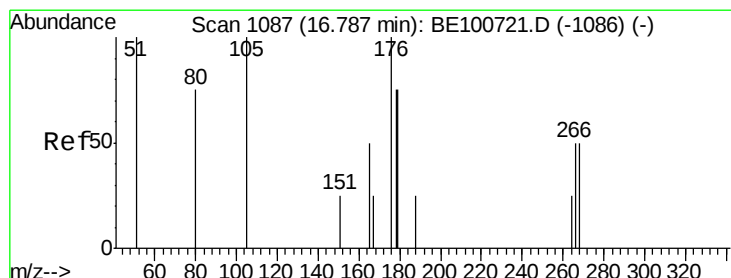
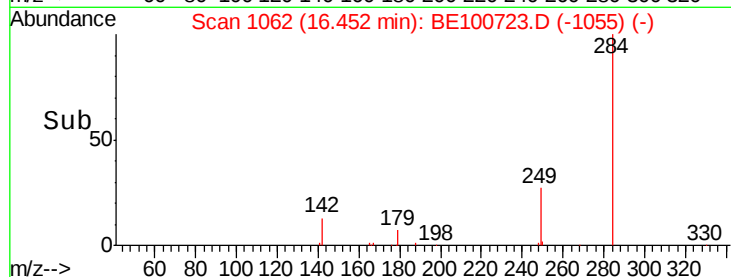
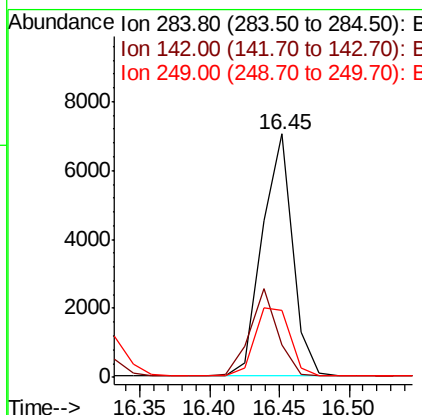
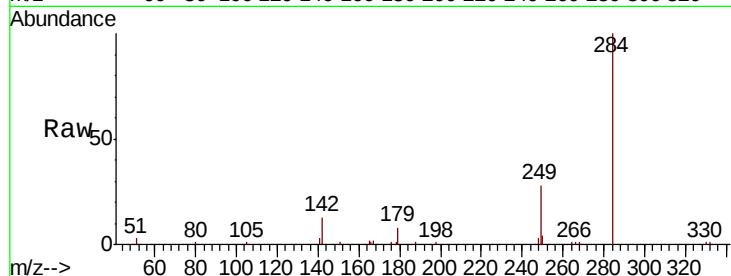




#21
Hexachlorobenzene
Concen: 1.749 ng
RT: 16.45 min Scan# 1062
Delta R.T. -0.00 min
Lab File: BE100723.D
Acq: 14 Nov 2019 16:22

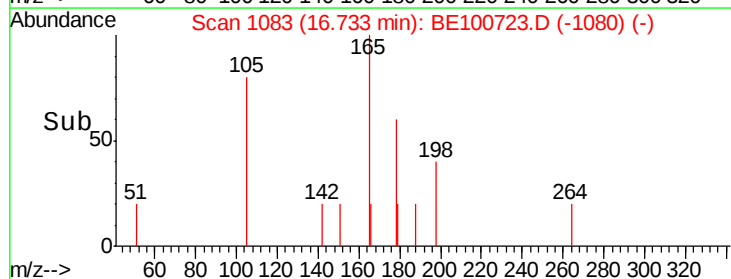
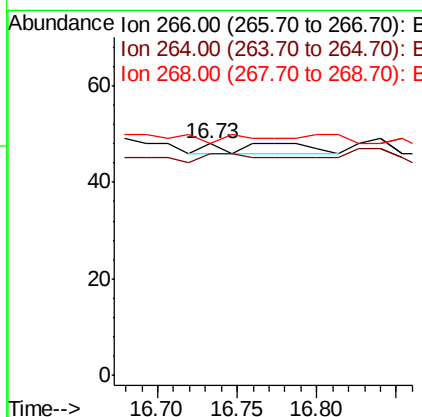
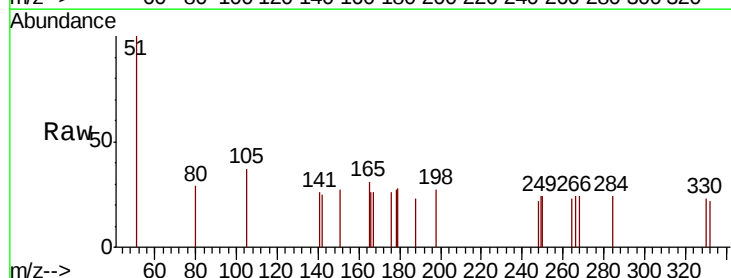
Instrument :
BNA_E
ClientSampleId :

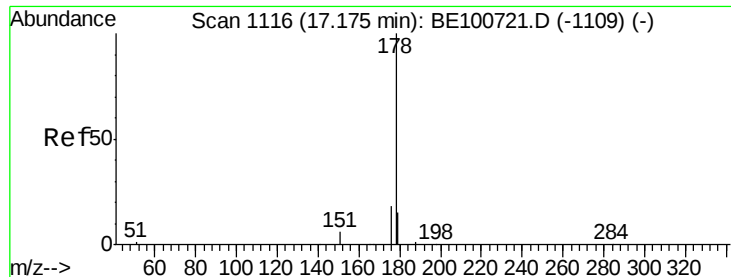
Tot Ion	Ratio	Lower	Upper
284	100		
142	32.9	28.2	42.2
249	32.9	26.5	39.7



#22
Pentachlorophenol
Concen: 0.004 ng
RT: 16.73 min Scan# 1083
Delta R.T. -0.05 min
Lab File: BE100723.D
Acq: 14 Nov 2019 16:22

Tgt Ion	Ratio	Lower	Upper
266	100		
264	95.8	75.0	112.6
268	100.0	85.0	127.6





#23

Phenanthrene

Concen: 1.610 ng

RT: 17.17 min Scan# 1116

Delta R.T. -0.00 min

Lab File: BE100723.D

Acq: 14 Nov 2019 16:22

Instrument :

BNA_E

ClientSampleId :

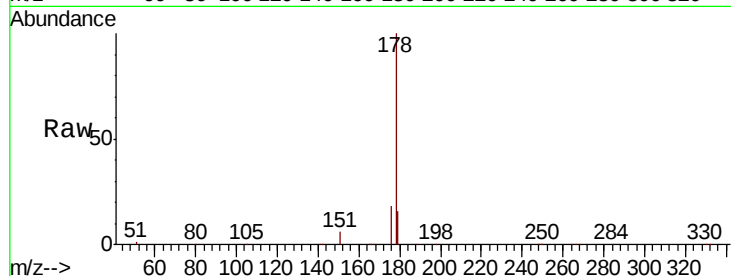
Tot Ion:178 Resp: 55384

Ion Ratio Lower Upper

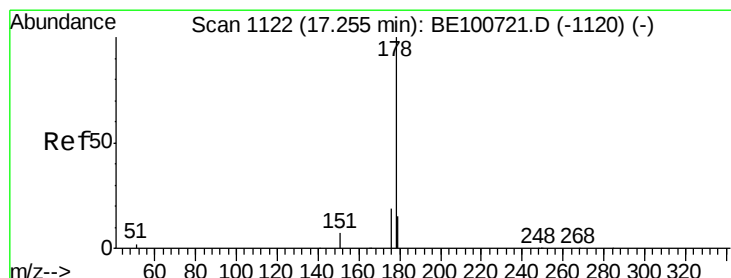
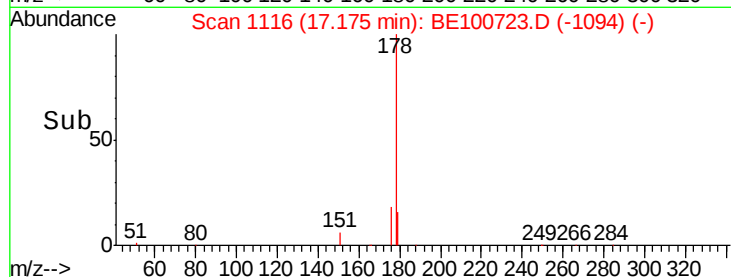
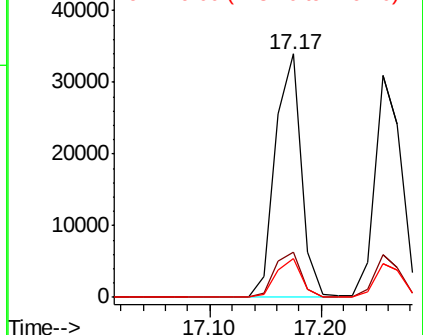
178 100

176 18.9 15.0 22.4

179 15.4 12.6 18.8



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: 1.602 ng

RT: 17.26 min Scan# 1122

Delta R.T. -0.00 min

Lab File: BE100723.D

Acq: 14 Nov 2019 16:22

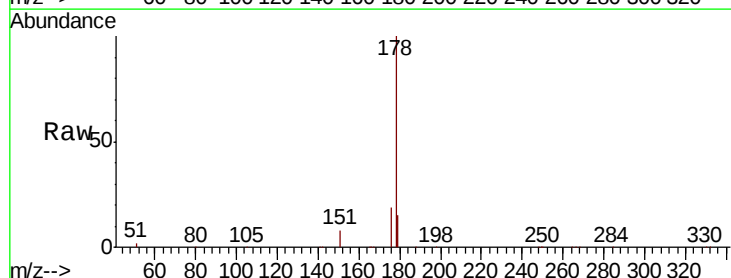
Tgt Ion:178 Resp: 51136

Ion Ratio Lower Upper

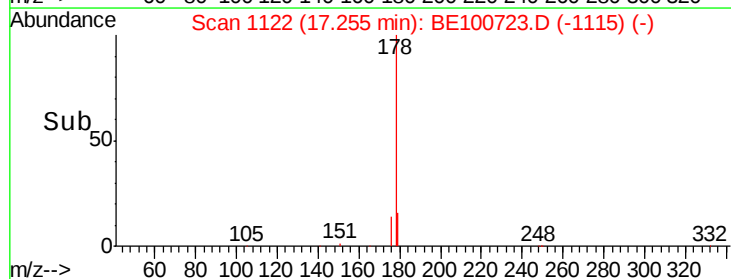
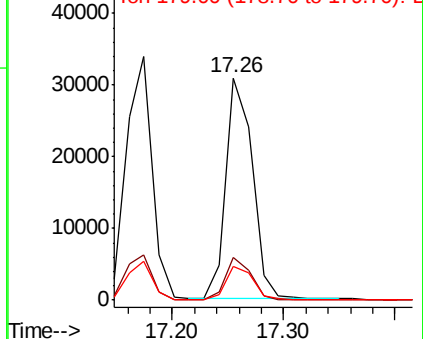
178 100

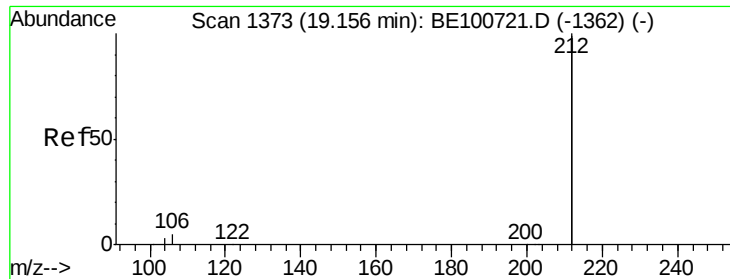
176 18.2 14.6 21.8

179 15.5 12.6 18.8



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

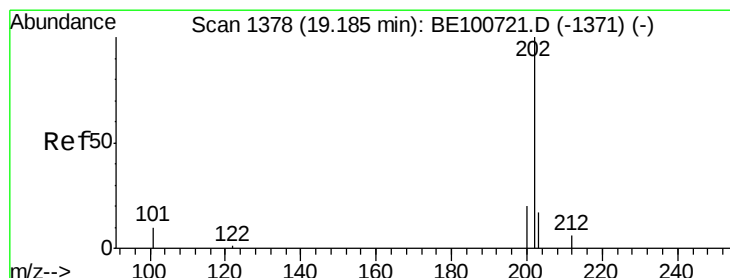
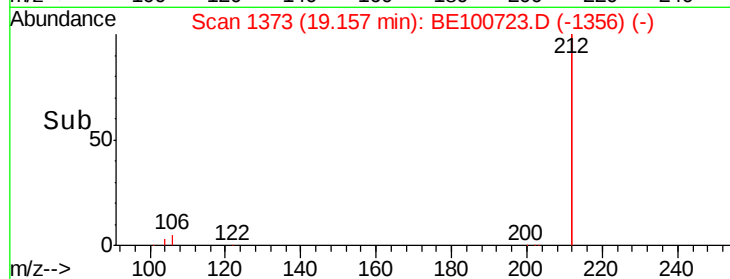
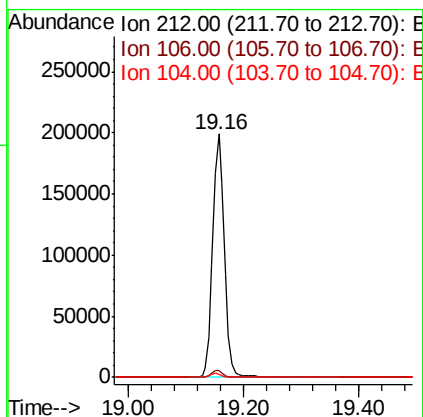
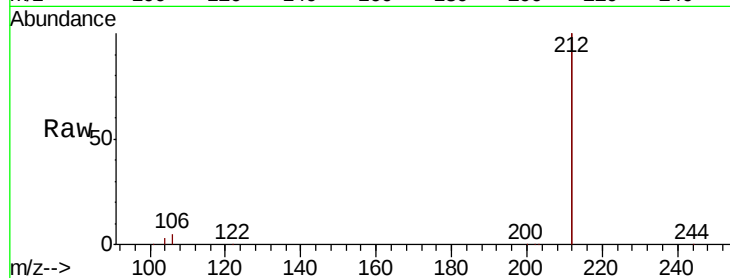




#25
 Fluoranthene-d10
 Concen: 1.713 ng
 RT: 19.16 min Scan# 1373
 Delta R.T. 0.00 min
 Lab File: BE100723.D
 Acq: 14 Nov 2019 16:22

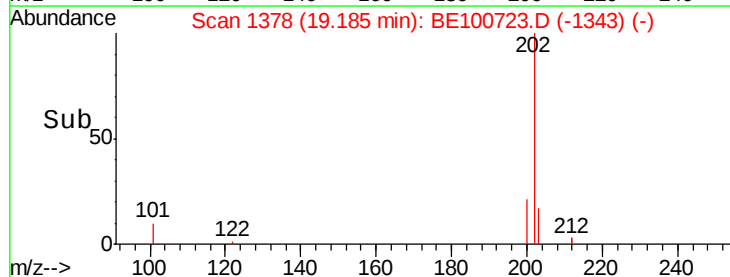
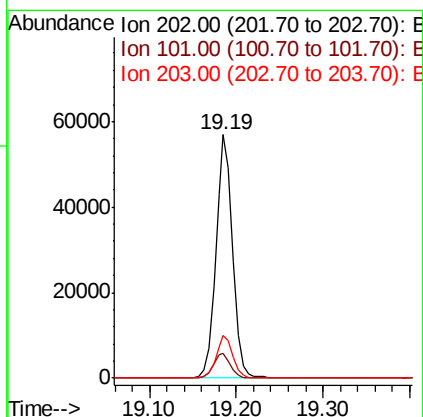
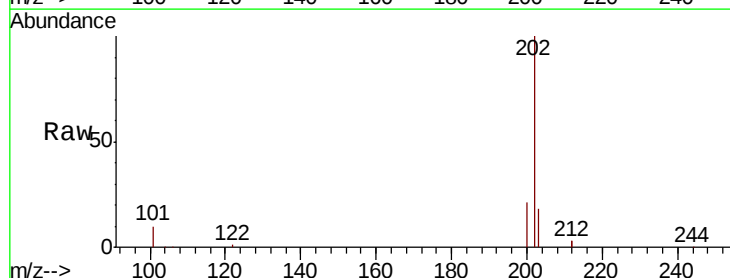
Instrument :
 BNA_E
 ClientSampleId :

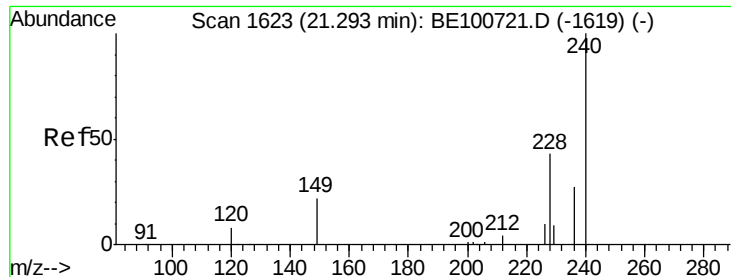
Tot Ion:212 Resp: 276513
 Ion Ratio Lower Upper
 212 100
 106 2.8 2.2 3.4
 104 1.5 1.2 1.8



#26
 Fluoranthene
 Concen: 1.700 ng
 RT: 19.19 min Scan# 1378
 Delta R.T. 0.00 min
 Lab File: BE100723.D
 Acq: 14 Nov 2019 16:22

Tgt Ion:202 Resp: 76367
 Ion Ratio Lower Upper
 202 100
 101 10.5 8.6 12.8
 203 17.4 13.6 20.4

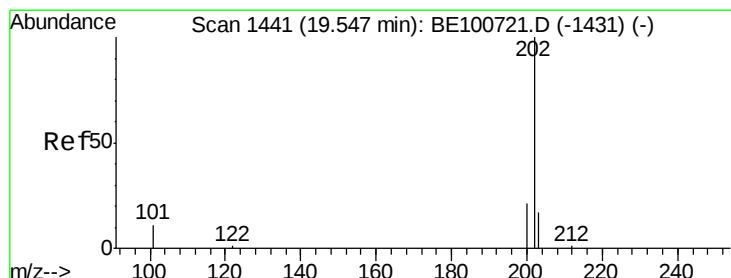
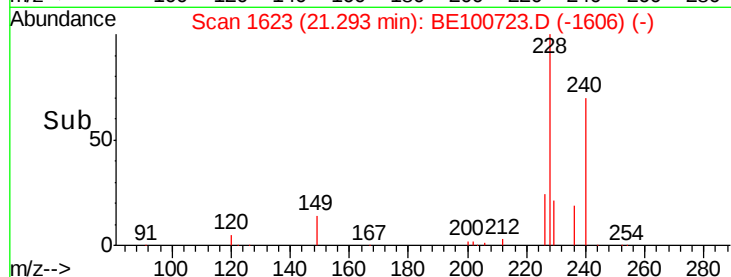
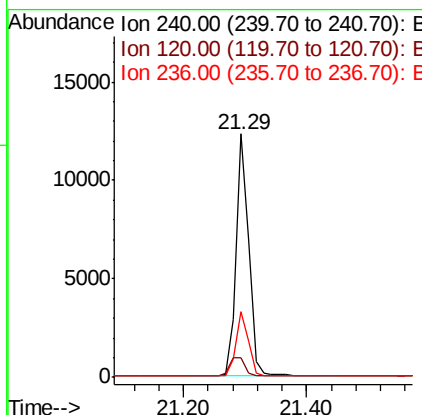
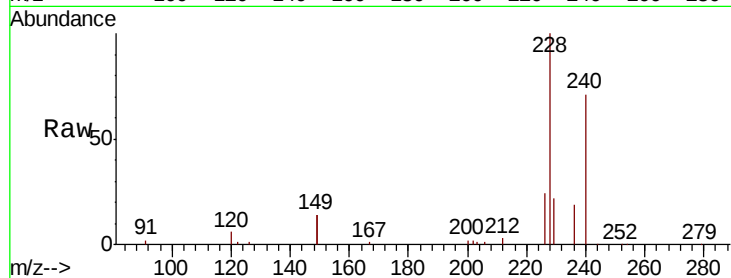




#27
Chrysene-d12
Concen: 0.400 ng
RT: 21.29 min Scan# 1623
Delta R.T. 0.00 min
Lab File: BE100723.D
Acq: 14 Nov 2019 16:22

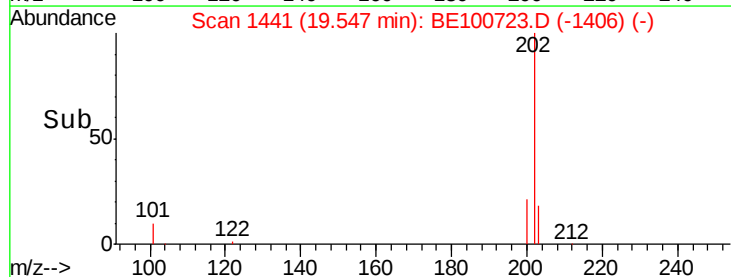
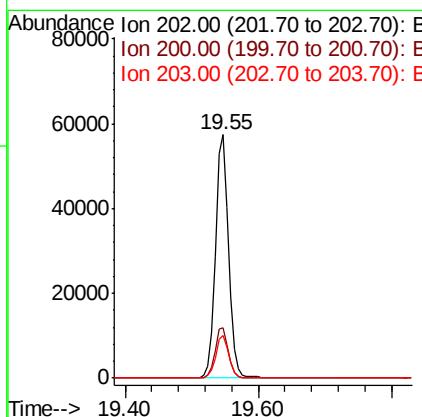
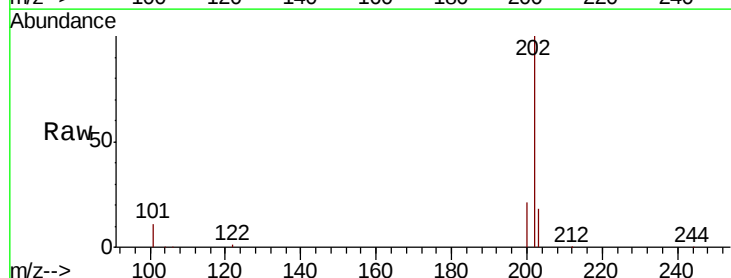
Instrument :
BNA_E
ClientSampleId :

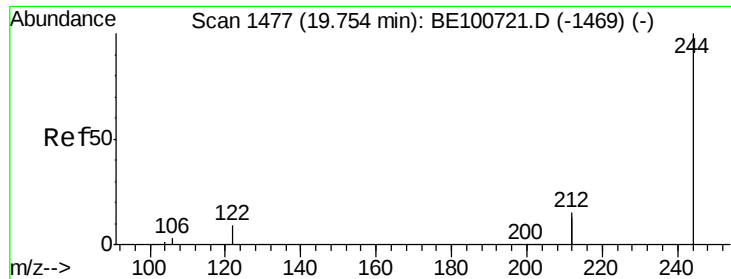
Tot Ion:240 Resp: 17088
Ion Ratio Lower Upper
240 100
120 8.0 7.4 11.0
236 27.2 21.8 32.6



#28
Pyrene
Concen: 1.619 ng
RT: 19.55 min Scan# 1441
Delta R.T. 0.00 min
Lab File: BE100723.D
Acq: 14 Nov 2019 16:22

Tgt Ion:202 Resp: 77292
Ion Ratio Lower Upper
202 100
200 20.9 17.0 25.4
203 17.4 14.0 21.0





#29

Terphenyl-d14

Concen: 1.757 ng

RT: 19.75 min Scan# 1477

Delta R.T. 0.00 min

Lab File: BE100723.D

Acq: 14 Nov 2019 16:22

Instrument :

BNA_E

ClientSampleId :

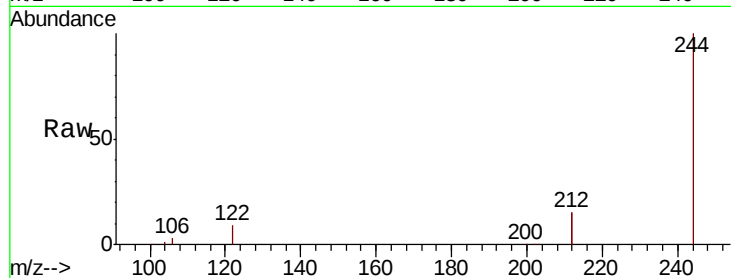
Tot Ion:244 Resp: 65646

Ion Ratio Lower Upper

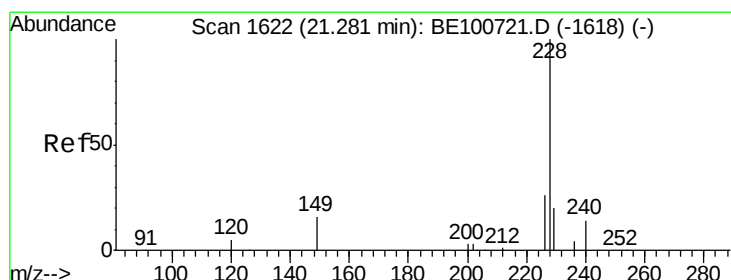
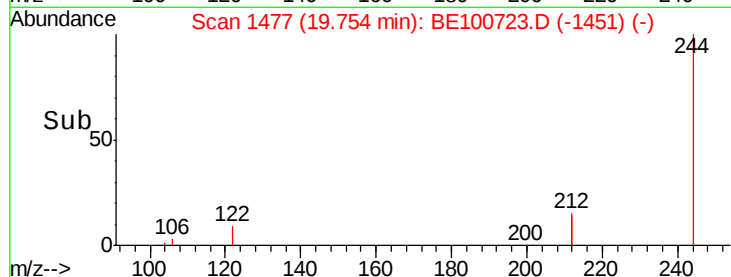
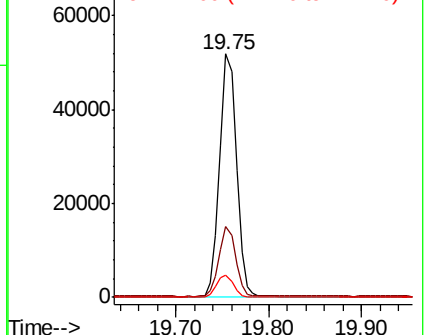
244 100

212 29.2 24.3 36.5

122 9.3 7.6 11.4



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: 1.608 ng

RT: 21.28 min Scan# 1622

Delta R.T. 0.00 min

Lab File: BE100723.D

Acq: 14 Nov 2019 16:22

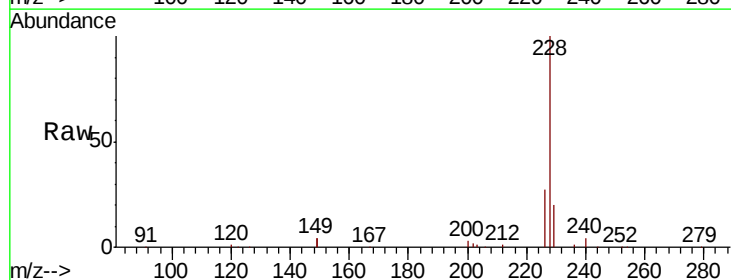
Tgt Ion:228 Resp: 89653

Ion Ratio Lower Upper

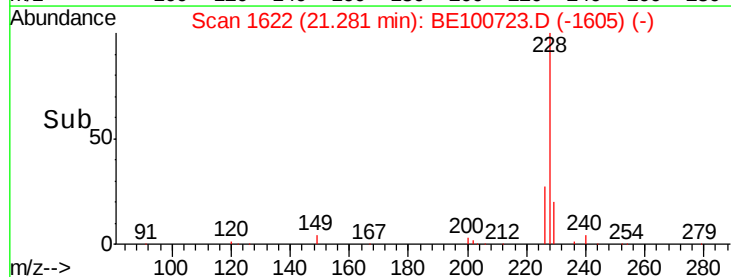
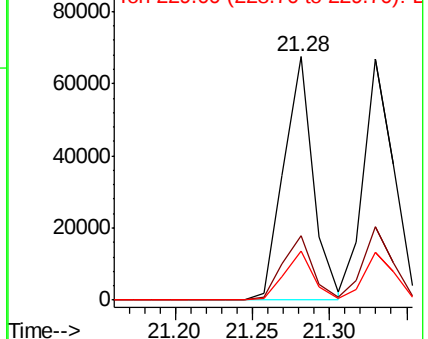
228 100

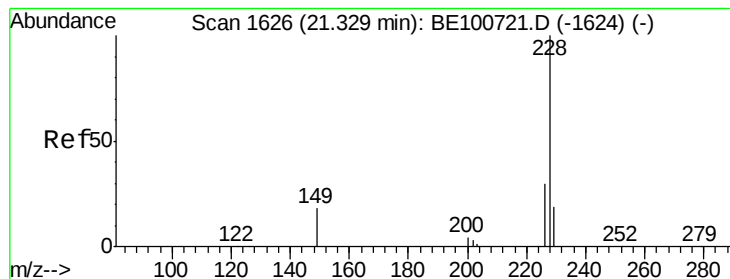
226 26.6 21.1 31.7

229 20.1 15.9 23.9



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





#31

Chrysene

Concen: 1.624 ng

RT: 21.33 min Scan# 1626

Delta R.T. 0.00 min

Lab File: BE100723.D

Acq: 14 Nov 2019 16:22

Instrument :

BNA_E

ClientSampleId :

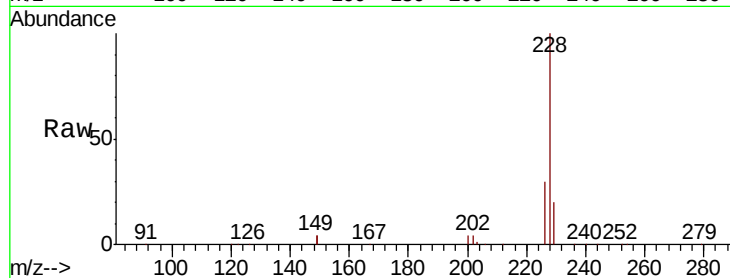
Tot Ion:228 Resp: 90470

Ion Ratio Lower Upper

228 100

226 30.3 24.5 36.7

229 19.6 15.5 23.3

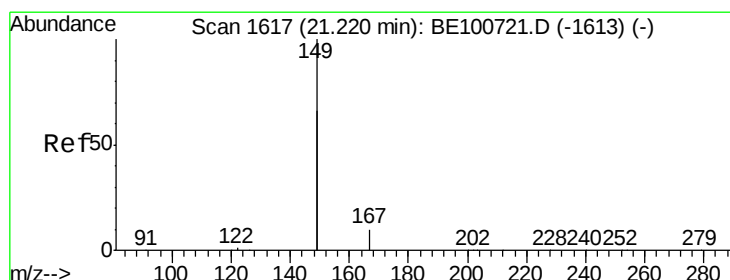
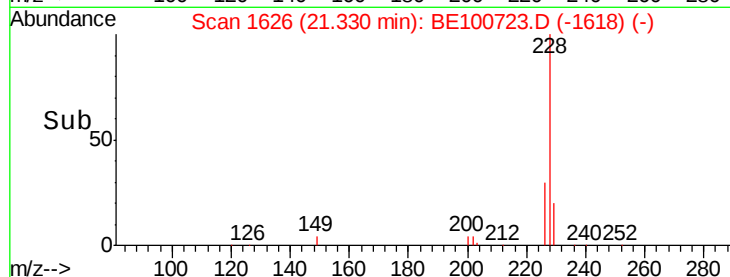
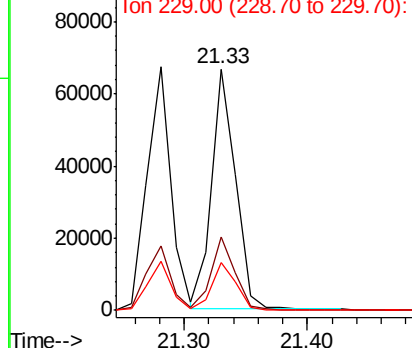


Abundance

Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#32

Bis(2-ethylhexyl)phthalate

Concen: 1.280 ng

RT: 21.22 min Scan# 1617

Delta R.T. 0.00 min

Lab File: BE100723.D

Acq: 14 Nov 2019 16:22

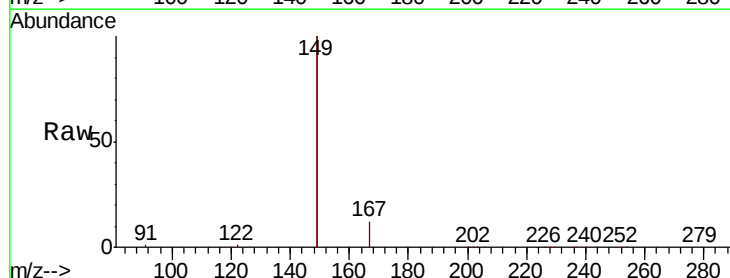
Tgt Ion:149 Resp: 149268

Ion Ratio Lower Upper

149 100

167 6.9 5.2 7.8

279 1.1 0.9 1.3

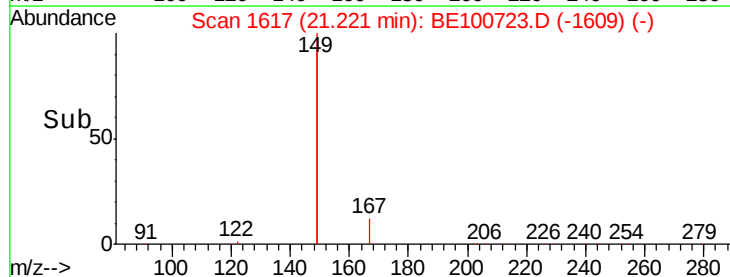
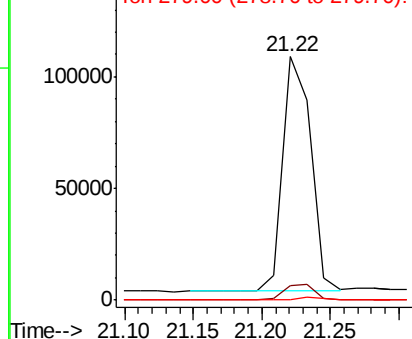


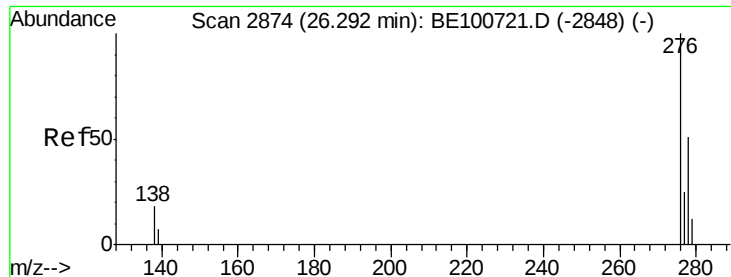
Abundance

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: 1.539 ng

RT: 26.29 min Scan# 2874

Delta R.T. -0.00 min

Lab File: BE100723.D

Acq: 14 Nov 2019 16:22

Instrument :

BNA_E

ClientSampleId :

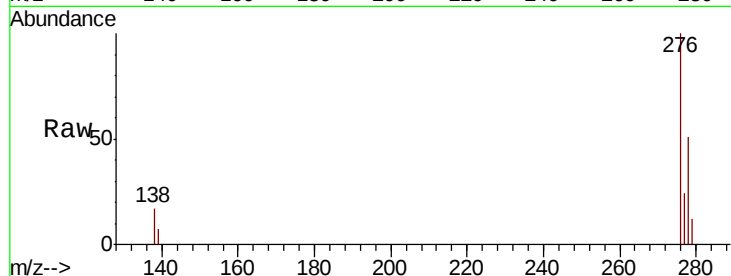
Tot Ion:276 Resp: 105370

Ion Ratio Lower Upper

276 100

138 18.6 14.8 22.2

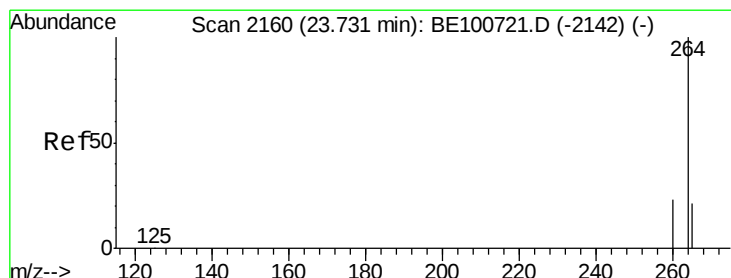
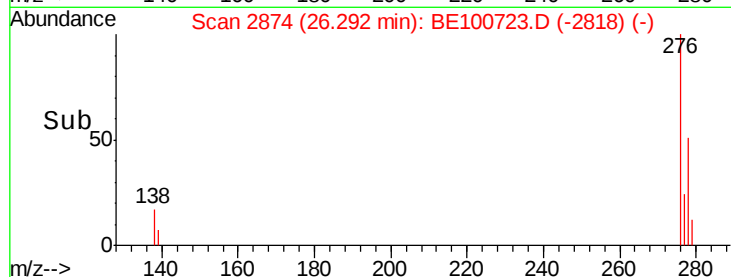
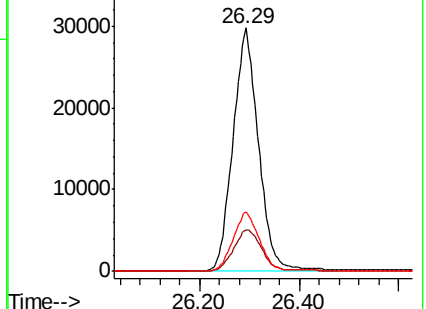
277 25.0 19.6 29.4



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

Perylene-d12

Concen: 0.400 ng

RT: 23.73 min Scan# 2160

Delta R.T. -0.00 min

Lab File: BE100723.D

Acq: 14 Nov 2019 16:22

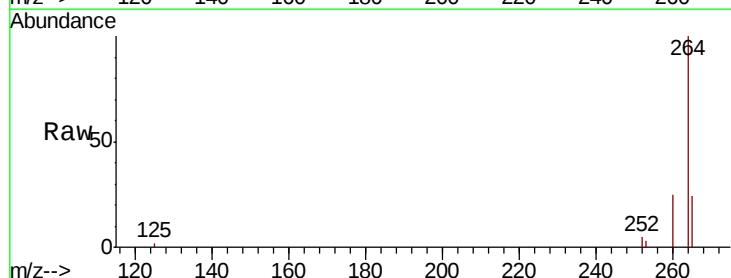
Tgt Ion:264 Resp: 18774

Ion Ratio Lower Upper

264 100

260 25.0 19.1 28.7

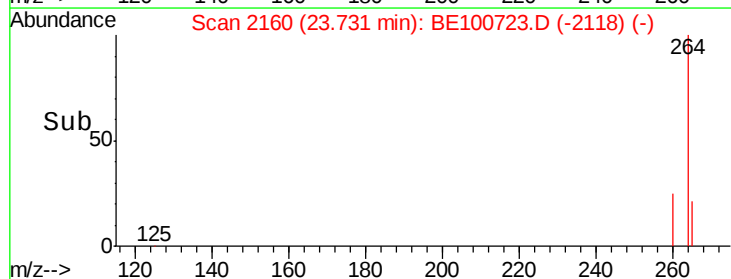
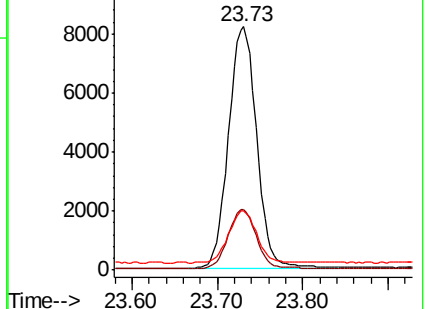
265 24.2 19.7 29.5

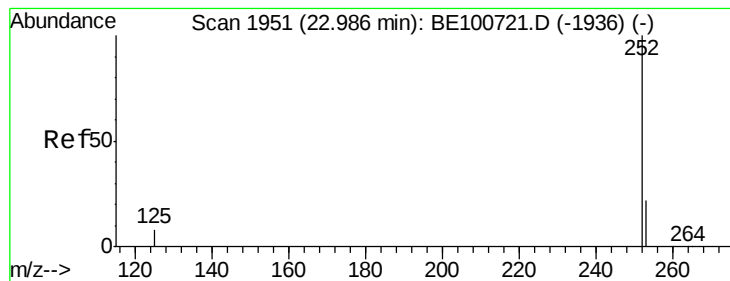


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E





#35

Benzo(b)fluoranthene

Concen: 1.669 ng

RT: 22.99 min Scan# 1951

Delta R.T. -0.00 min

Lab File: BE100723.D

Acq: 14 Nov 2019 16:22

Instrument :

BNA_E

ClientSampleId :

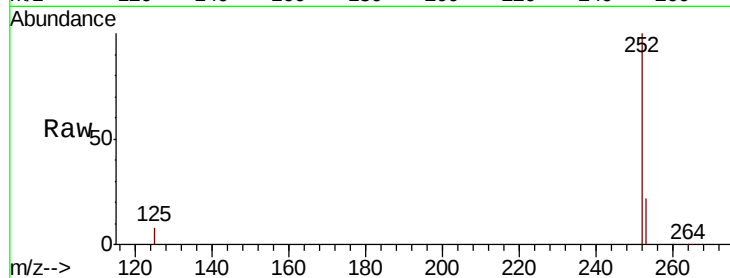
Tot Ion:252 Resp: 91342

Ion Ratio Lower Upper

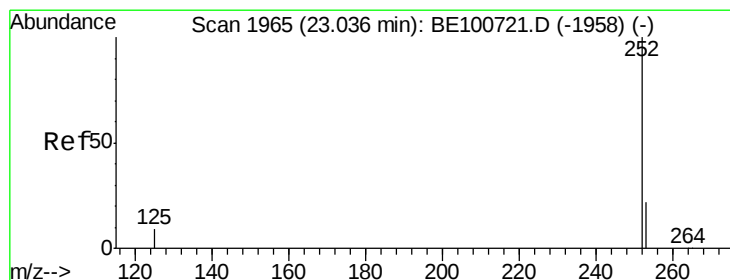
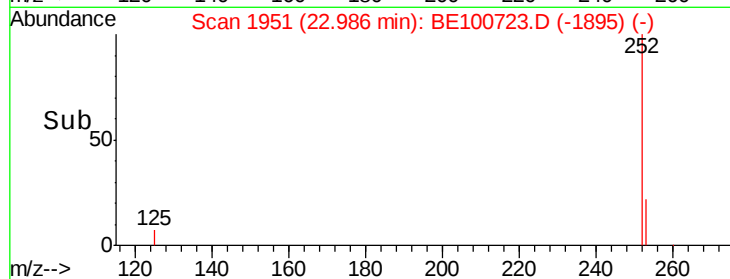
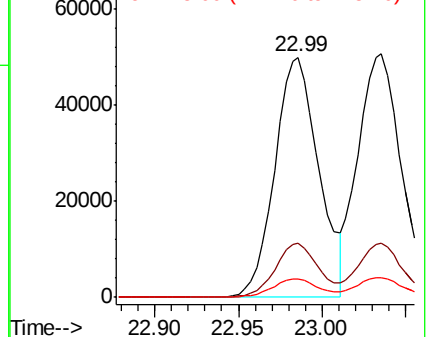
252 100

253 22.4 18.7 28.1

125 7.7 7.0 10.4



Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E



#36

Benzo(k)fluoranthene

Concen: 1.643 ng

RT: 23.04 min Scan# 1965

Delta R.T. -0.00 min

Lab File: BE100723.D

Acq: 14 Nov 2019 16:22

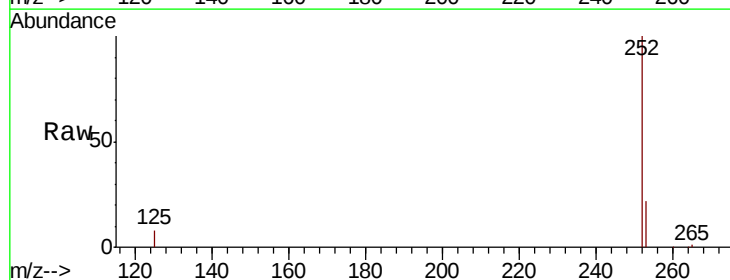
Tgt Ion:252 Resp: 92480

Ion Ratio Lower Upper

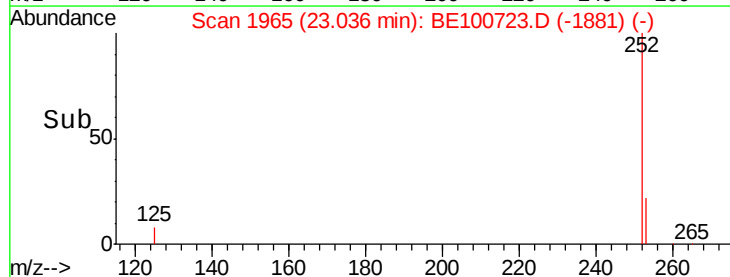
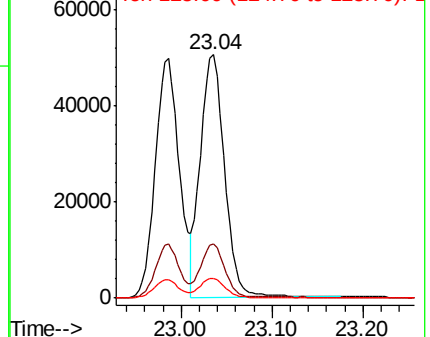
252 100

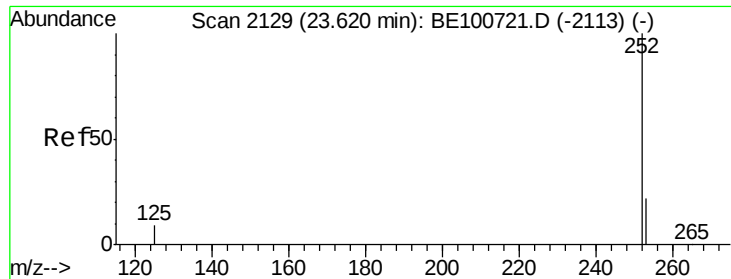
253 22.2 18.6 27.8

125 8.2 7.6 11.4



Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E

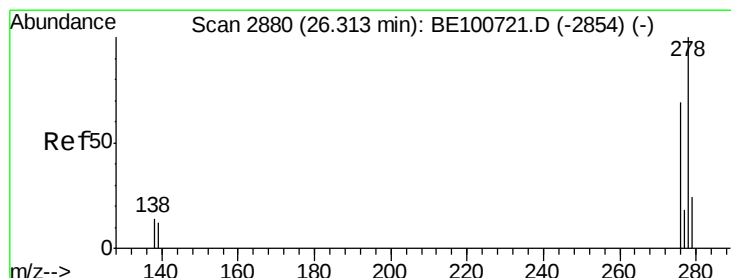
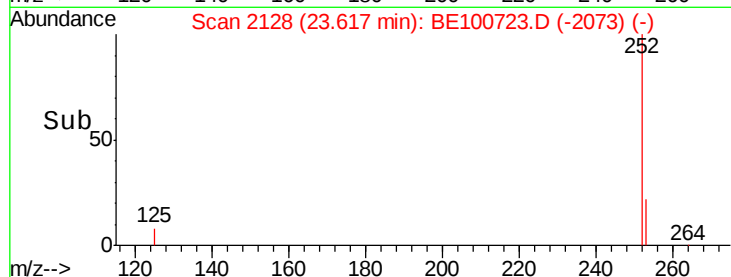
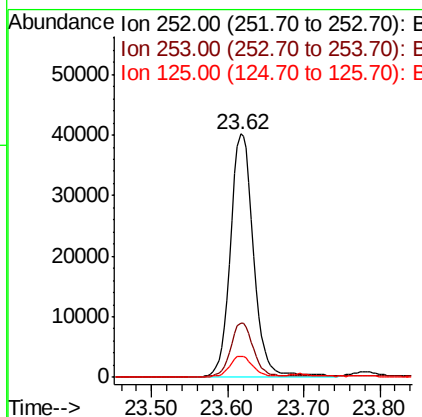
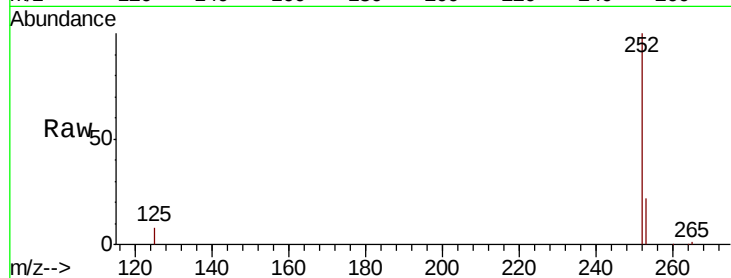




#37
Benzo(a)pyrene
Concen: 1.651 ng
RT: 23.62 min Scan# 2128
Delta R.T. -0.00 min
Lab File: BE100723.D
Acq: 14 Nov 2019 16:22

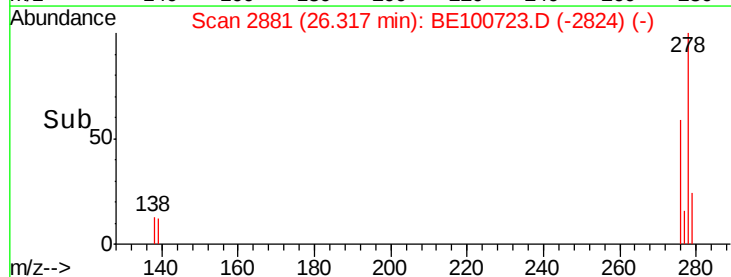
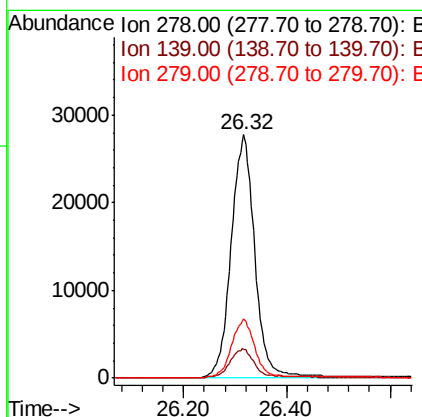
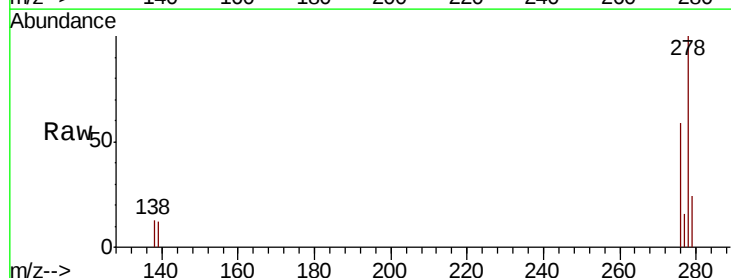
Instrument :
BNA_E
ClientSampleId :

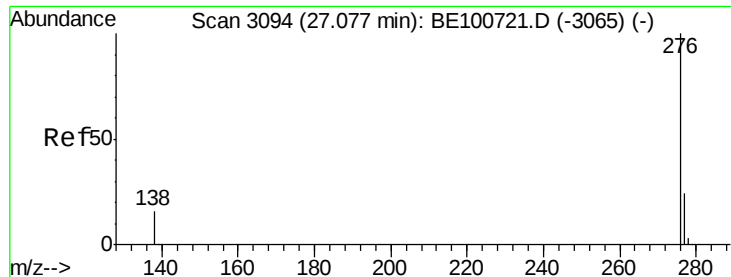
Tot Ion:252 Resp: 84153
Ion Ratio Lower Upper
252 100
253 22.5 18.6 28.0
125 8.5 7.9 11.9



#38
Dibenzo(a,h)anthracene
Concen: 1.670 ng
RT: 26.32 min Scan# 2881
Delta R.T. 0.00 min
Lab File: BE100723.D
Acq: 14 Nov 2019 16:22

Tgt Ion:278 Resp: 87975
Ion Ratio Lower Upper
278 100
139 11.9 10.3 15.5
279 24.1 20.6 31.0





#39

Benzo(a,h,i)perylene

Concen: 1.609 ng

RT: 27.08 min Scan# 3094

Delta R.T. -0.00 min

Lab File: BE100723.D

Acq: 14 Nov 2019 16:22

Instrument :

BNA_E

ClientSampleId :

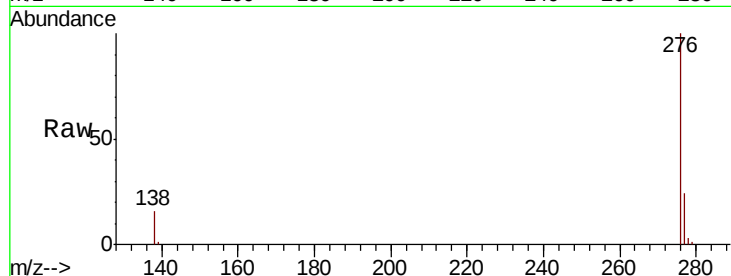
Tot Ion: 276 Resp: 85244

Ion Ratio Lower Upper

276 100

277 23.9 19.8 29.6

138 15.7 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

