

Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE120419\
 Data File : BE100778.D
 Acq On : 4 Dec 2019 16:21
 Operator : JU
 Sample : SSTDICC5.0
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :

Quant Time: Dec 04 17:06:26 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA E\METHODS\8270-SIM-BE120419.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Dec 04 14:31:40 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.76	152	5354	0.40	ng	0.00
7) Naphthalene-d8	10.54	136	24334	0.40	ng	0.00
13) Acenaphthene-d10	14.40	164	14131	0.40	ng	0.00
19) Phenanthrene-d10	17.12	188	30579	0.40	ng	-0.01
27) Chrysene-d12	21.31	240	37961	0.40	ng	0.00
34) Perylene-d12	23.76	264	36867	0.40	ng	0.00

System Monitoring Compounds						
4) 2-Fluorophenol	5.36	112	70388	4.86	ng	0.00
5) Phenol-d6	6.93	99	108973	5.18	ng	0.00
8) Nitrobenzene-d5	8.90	82	74449	9.54	ng	0.00
11) 2-Methylnaphthalene-d10	12.14	152	188088	5.27	ng	0.00
14) 2,4,6-Tribromophenol	15.88	330	16630	8.35	ng	0.00
15) 2-Fluorobiphenyl	13.03	172	269336	4.91	ng	0.00
25) Fluoranthene-d10	19.16	212	2114964	5.65	ng	0.00
29) Terphenyl-d14	19.76	244	472344	5.40	ng	0.00

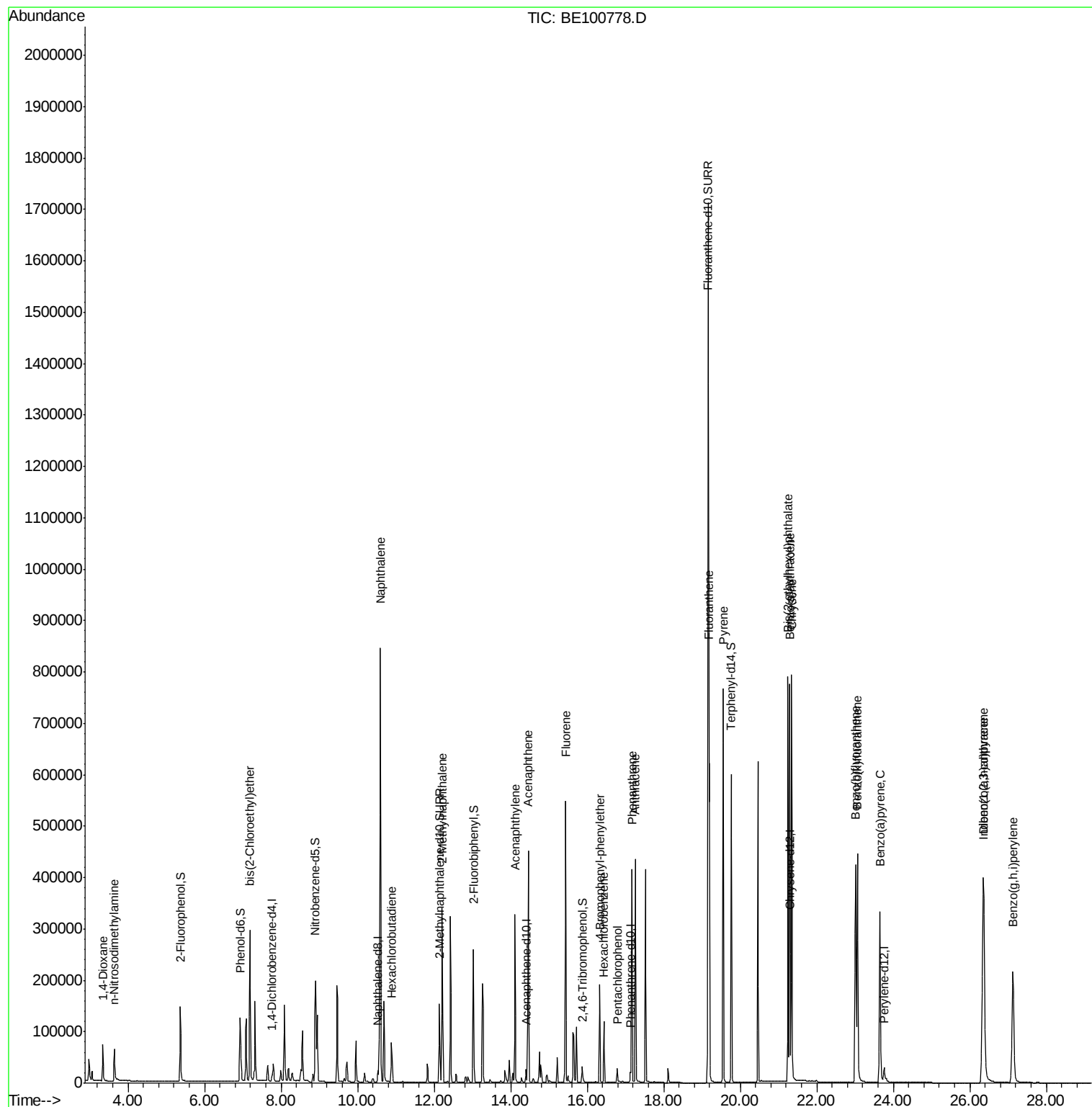
Target Compounds				Qvalue		
2) 1,4-Dioxane	3.34	88	44155	4.397	ng	92
3) n-Nitrosodimethylamine	3.64	42	47396	6.405	ng	# 92
6) bis(2-Chloroethyl)ether	7.18	93	98310	5.605	ng	100
9) Naphthalene	10.59	128	1312388	5.079	ng	100
10) Hexachlorobutadiene	10.89	225	51062	5.147	ng	98
12) 2-Methylnaphthalene	12.21	142	216511	5.299	ng	98
16) Acenaphthylene	14.11	152	338262	5.560	ng	100
17) Acenaphthene	14.46	154	215463	5.281	ng	97
18) Fluorene	15.43	166	282298	5.418	ng	99
20) 4-Bromophenyl-phenylether	16.33	248	84924	5.645	ng	98
21) Hexachlorobenzene	16.44	284	85745	5.460	ng	99
22) Pentachlorophenol	16.79	266	14198	4.978	ng	# 81
23) Phenanthrene	17.17	178	490084	5.322	ng	100
24) Anthracene	17.25	178	464848	5.858	ng	99
26) Fluoranthene	19.19	202	642647	5.703	ng	99
28) Pyrene	19.55	202	648090	5.513	ng	99
30) Benzo(a)anthracene	21.29	228	637207	4.975	ng	99
31) Chrysene	21.34	228	661717	5.082	ng	100
32) Bis(2-ethylhexyl)phthalate	21.25	149	881725	3.828	ng	100
33) Indeno(1,2,3-cd)pyrene	26.34	276	639974	4.690	ng	99
35) Benzo(b)fluoranthene	23.01	252	584416	5.051	ng	99
36) Benzo(k)fluoranthene	23.06	252	644470	5.343	ng	99
37) Benzo(a)pyrene	23.65	252	531953	5.214	ng	97
38) Dibenzo(a,h)anthracene	26.37	278	533410	4.971	ng	99
39) Benzo(g,h,i)perylene	27.13	276	524599	4.693	ng	99

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

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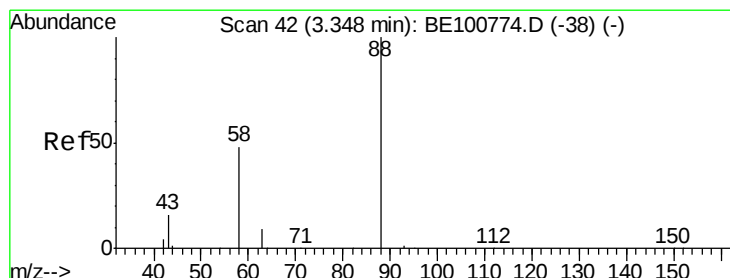
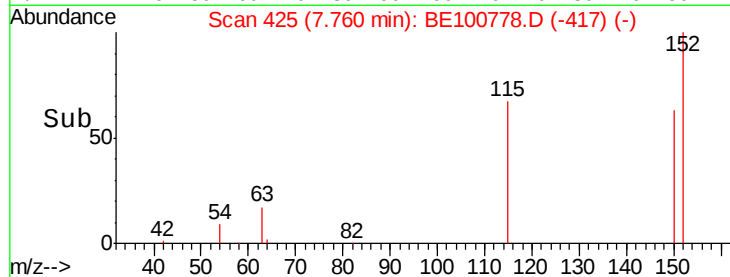
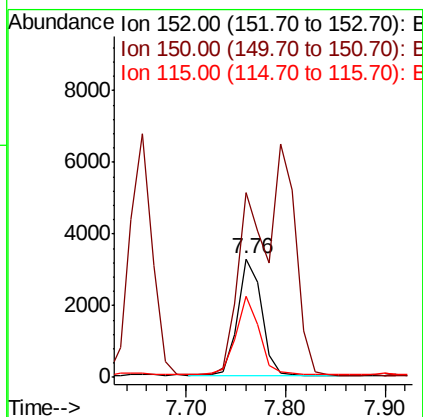
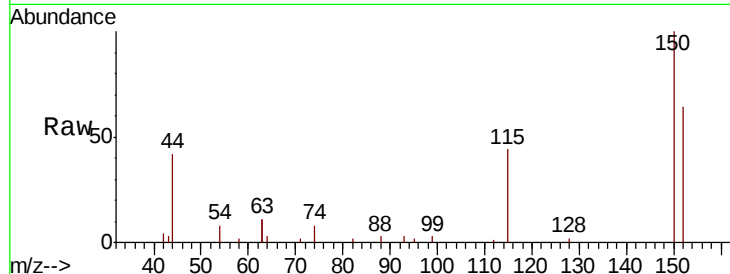




#1
 1,4-Dichlorobenzene-d4
 Concen: 0.400 ng
 RT: 7.76 min Scan# 425
 Delta R.T. -0.01 min
 Lab File: BE100778.D
 Acq: 4 Dec 2019 16:21

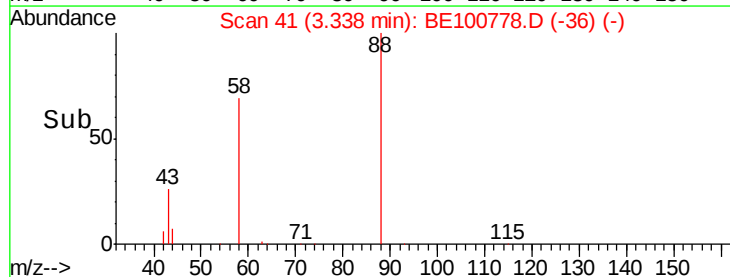
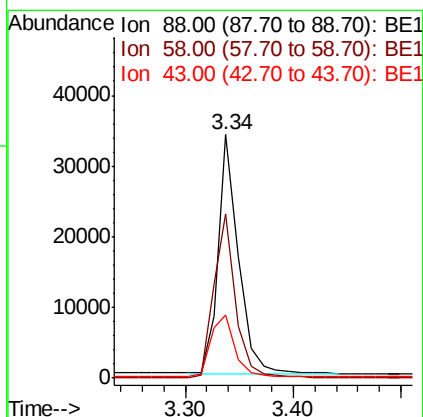
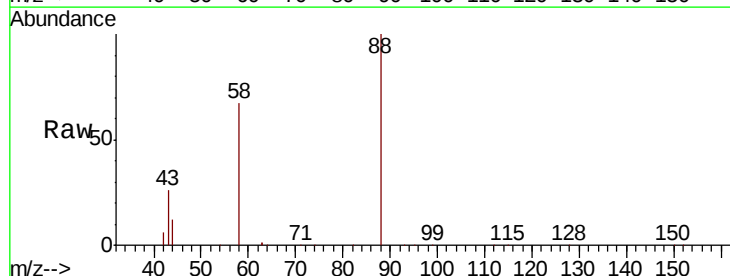
Instrument :
 BNA_E
 ClientSampled :

Tot Ion:152 Resp: 5354
 Ion Ratio Lower Upper
 152 100
 150 156.1 120.6 181.0
 115 68.3 47.4 71.2



#2
 1,4-Dioxane
 Concen: 4.397 ng
 RT: 3.34 min Scan# 41
 Delta R.T. -0.01 min
 Lab File: BE100778.D
 Acq: 4 Dec 2019 16:21

Tgt Ion: 88 Resp: 44155
 Ion Ratio Lower Upper
 88 100
 58 73.2 52.5 78.7
 43 30.4 23.0 34.6



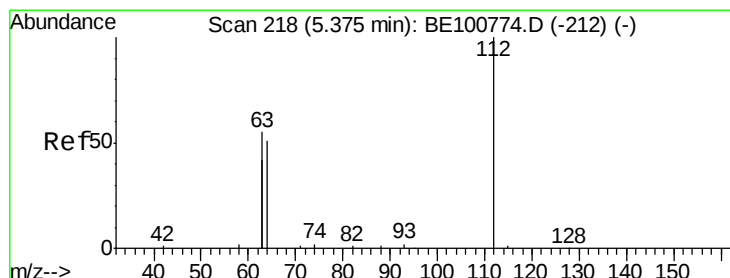
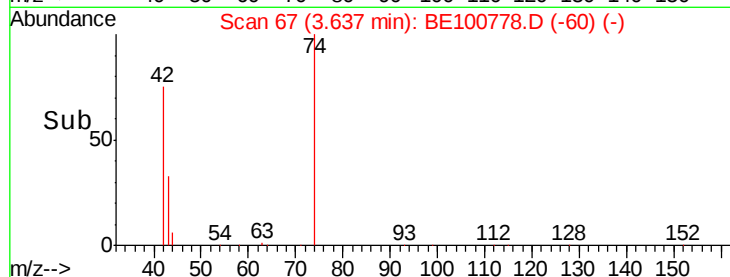
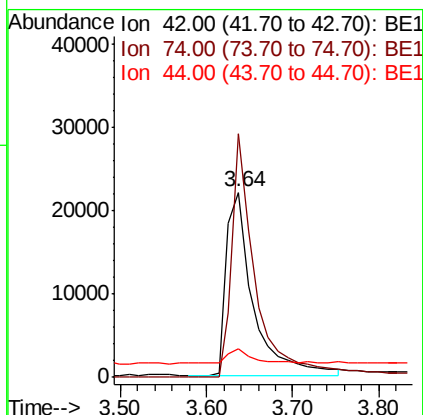
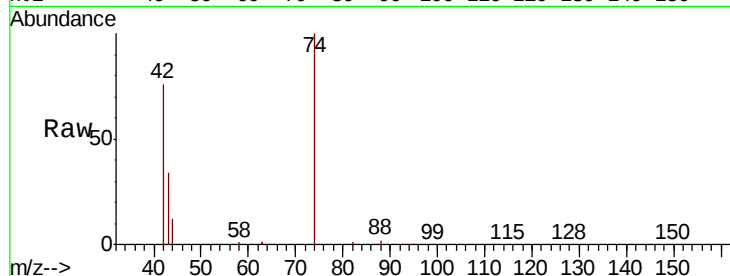


#3

n-Nitrosodimethylamine
 Concen: 6.405 ng
 RT: 3.64 min Scan# 67
 Delta R.T. -0.02 min
 Lab File: BE100778.D
 Acq: 4 Dec 2019 16:21

Instrument :
 BNA_E
 ClientSampleId :

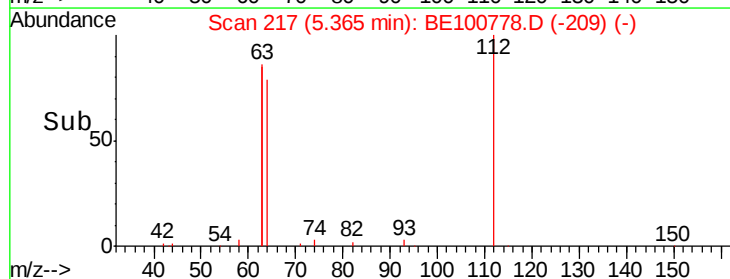
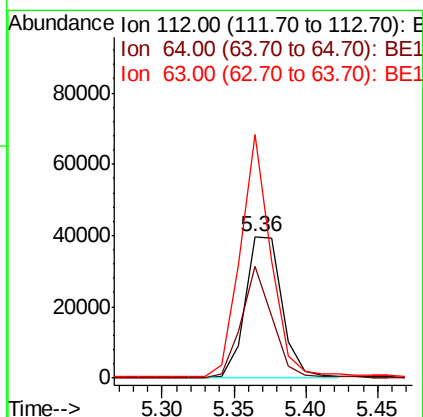
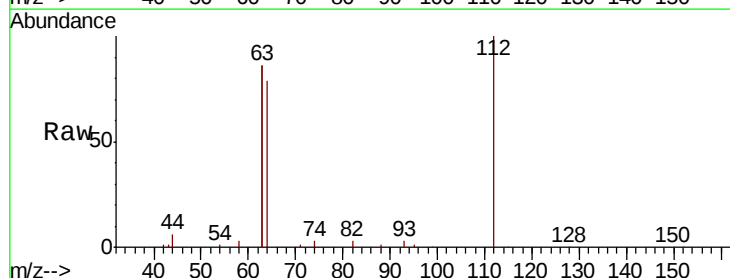
Tot Ion: 42 Resp: 47396
 Ion Ratio Lower Upper
 42 100
 74 114.8 86.3 129.5
 44 7.4 11.6 17.4#



#4

2-Fluorophenol
 Concen: 4.856 ng
 RT: 5.36 min Scan# 217
 Delta R.T. -0.01 min
 Lab File: BE100778.D
 Acq: 4 Dec 2019 16:21

Tgt Ion: 112 Resp: 70388
 Ion Ratio Lower Upper
 112 100
 64 66.3 54.1 81.1
 63 142.2 113.2 169.8





#5

Phenol-d6

Concen: 5.182 ng

RT: 6.93 min Scan# 353

Delta R.T. 0.00 min

Lab File: BE100778.D

Acq: 4 Dec 2019 16:21

Instrument :

BNA_E

ClientSampleId :

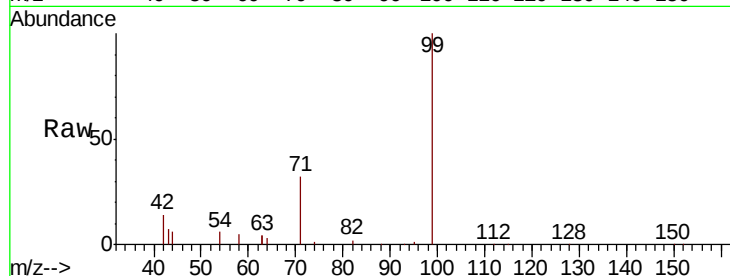
Tot Ion: 99 Resp: 108973

Ion Ratio Lower Upper

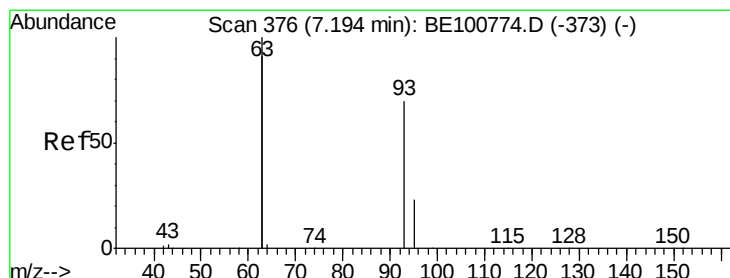
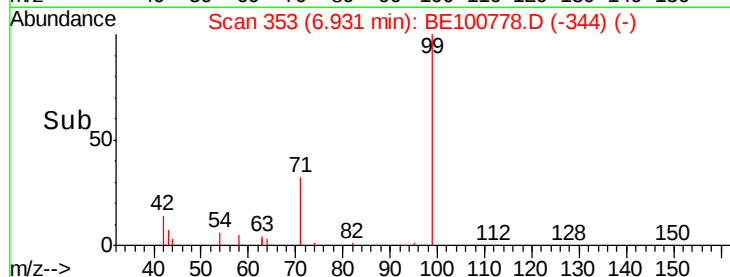
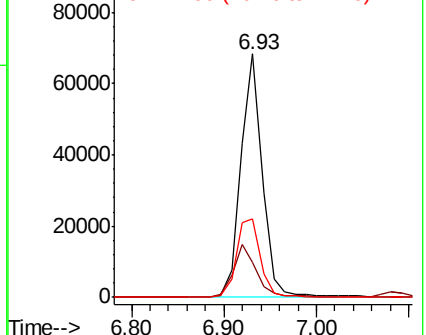
99 100

42 22.6 19.1 28.7

71 36.5 27.7 41.5



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: 5.605 ng

RT: 7.18 min Scan# 375

Delta R.T. -0.01 min

Lab File: BE100778.D

Acq: 4 Dec 2019 16:21

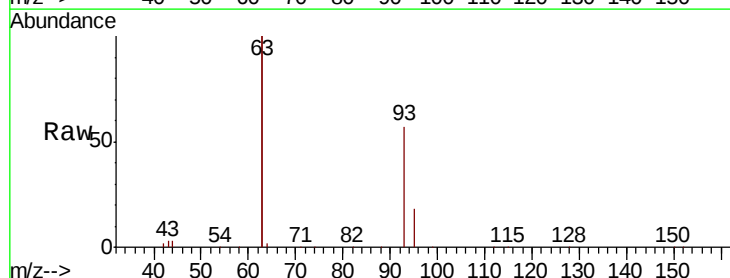
Tgt Ion: 93 Resp: 98310

Ion Ratio Lower Upper

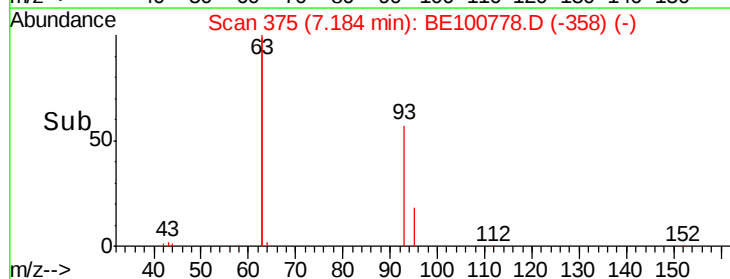
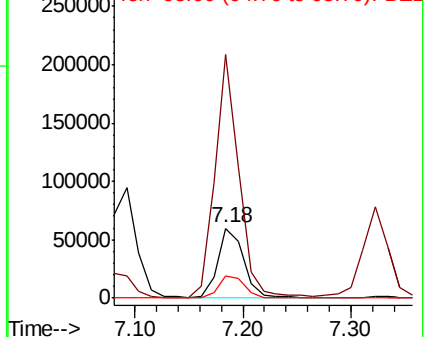
93 100

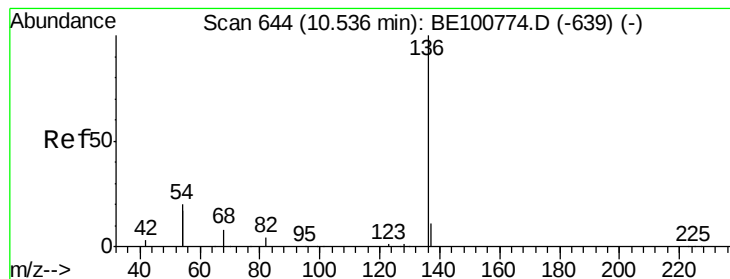
63 324.4 259.4 389.0

95 32.5 26.2 39.2



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: 10.54 min Scan# 644

Delta R.T. 0.00 min

Lab File: BE100778.D

Acq: 4 Dec 2019 16:21

Instrument :

BNA_E

ClientSampleId :

Tot Ion:136 Resp: 24334

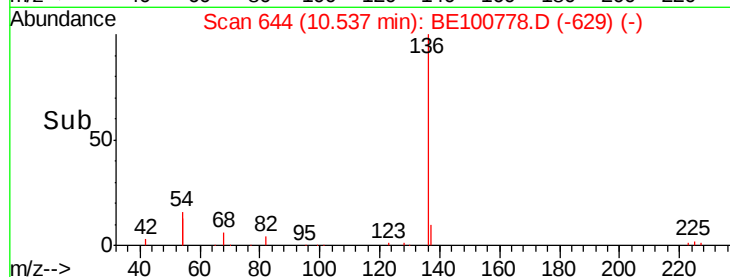
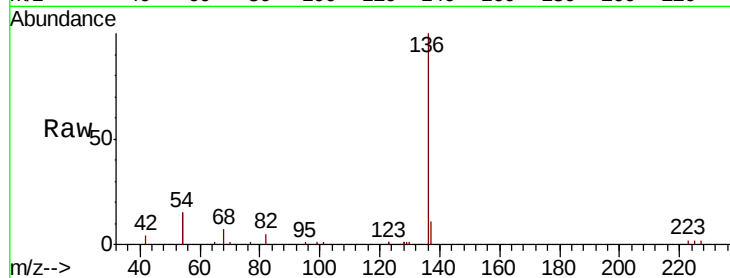
Ion Ratio Lower Upper

136 100

137 10.9 9.4 14.0

54 31.0 31.1 46.7#

68 6.9 6.6 10.0

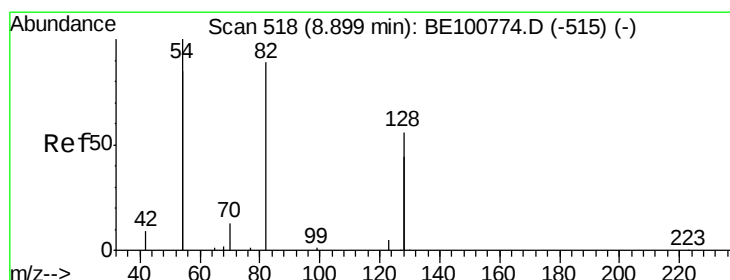
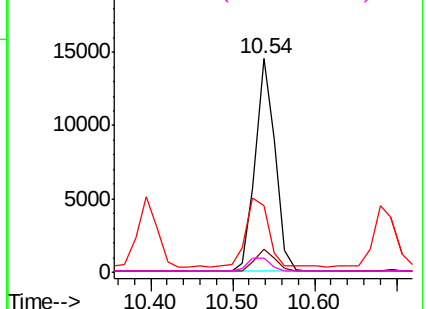


Abundance Ion 136.00 (135.70 to 136.70): E

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: 9.543 ng

RT: 8.90 min Scan# 518

Delta R.T. 0.00 min

Lab File: BE100778.D

Acq: 4 Dec 2019 16:21

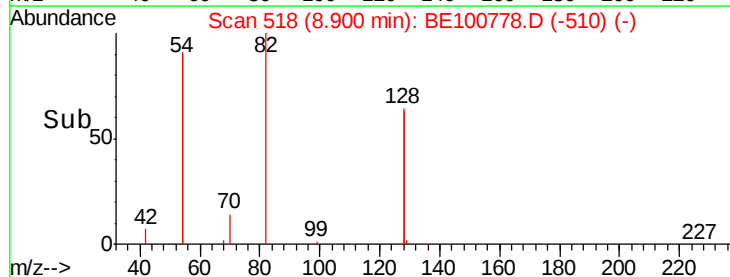
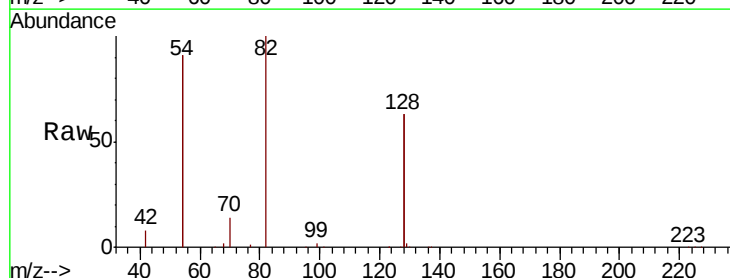
Tgt Ion: 82 Resp: 74449

Ion Ratio Lower Upper

82 100

128 126.8 97.0 145.4

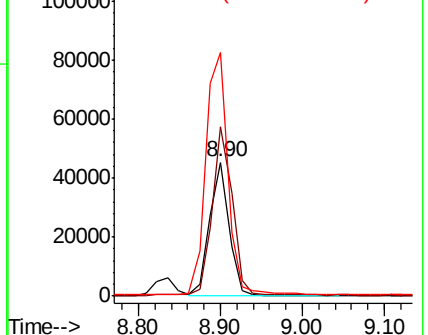
54 181.8 171.8 257.6



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: 5.079 ng

RT: 10.59 min Scan# 648

Delta R.T. 0.00 min

Lab File: BE100778.D

Acq: 4 Dec 2019 16:21

Instrument :

BNA_E

ClientSampleId :

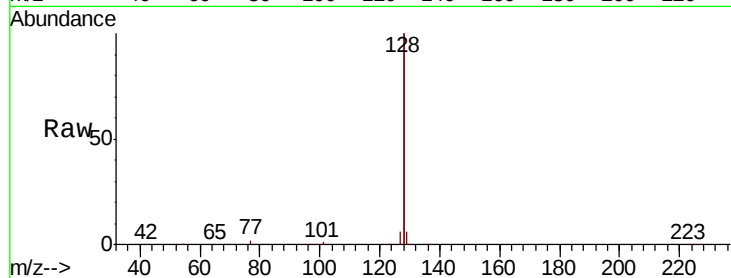
Tot Ion:128 Resp: 1312388

Ion Ratio Lower Upper

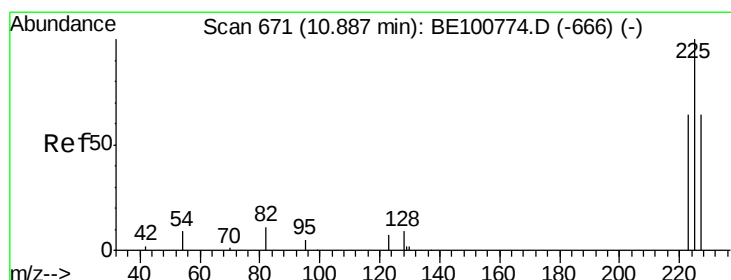
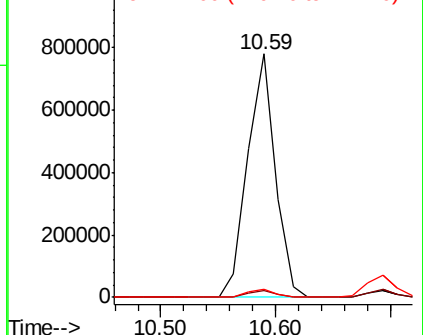
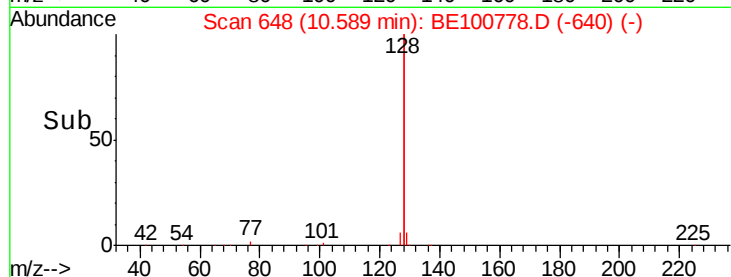
128 100

129 2.8 2.2 3.4

127 3.2 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: 5.147 ng

RT: 10.89 min Scan# 671

Delta R.T. 0.00 min

Lab File: BE100778.D

Acq: 4 Dec 2019 16:21

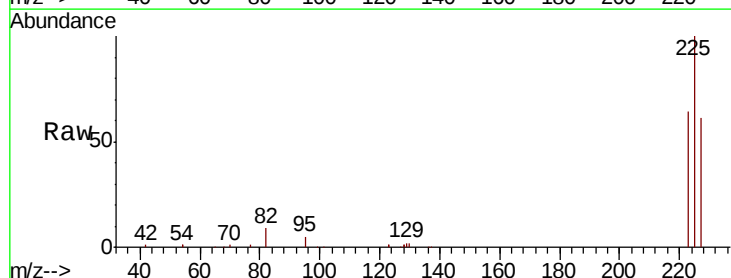
Tgt Ion:225 Resp: 51062

Ion Ratio Lower Upper

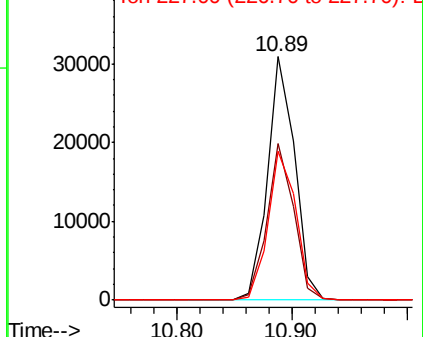
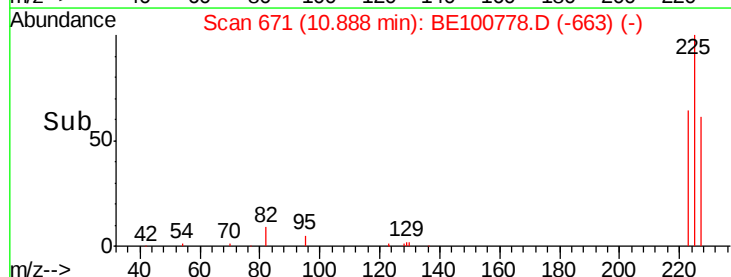
225 100

223 63.0 49.9 74.9

227 62.5 52.2 78.4



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

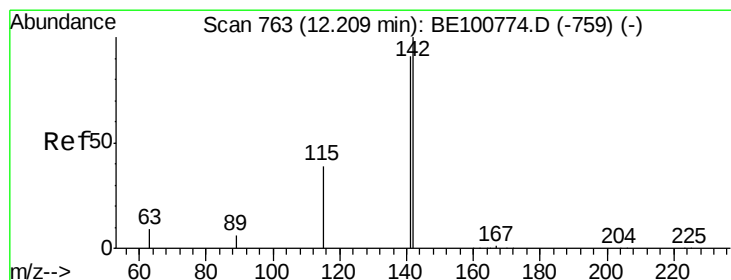
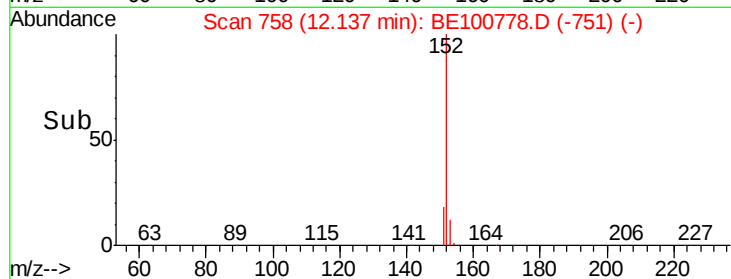
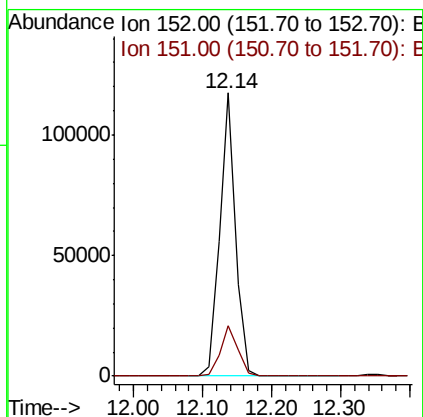
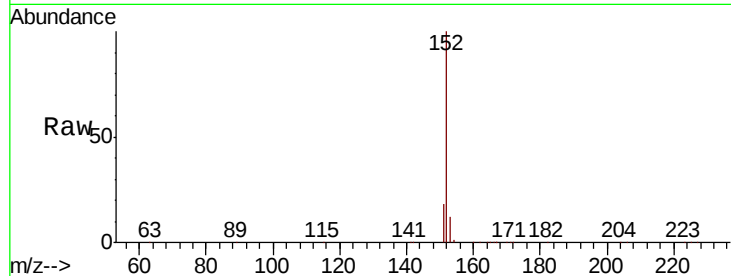




#11
 2-Methylnaphthalene-d10
 Concen: 5.270 ng
 RT: 12.14 min Scan# 758
 Delta R.T. 0.00 min
 Lab File: BE100778.D
 Acq: 4 Dec 2019 16:21

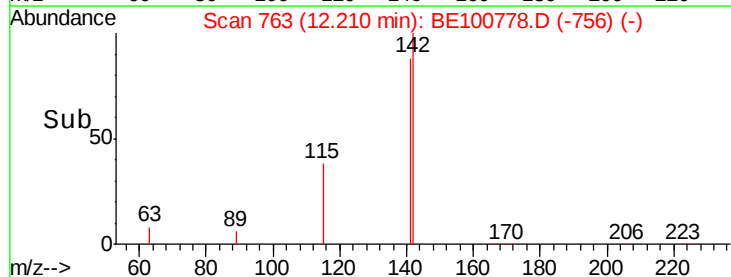
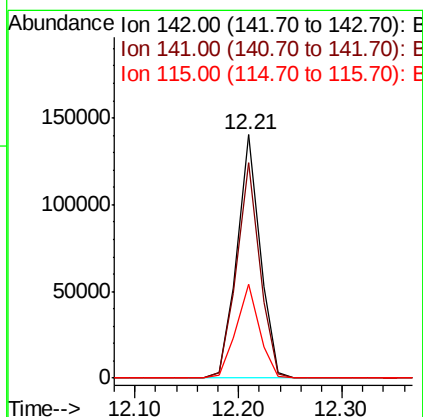
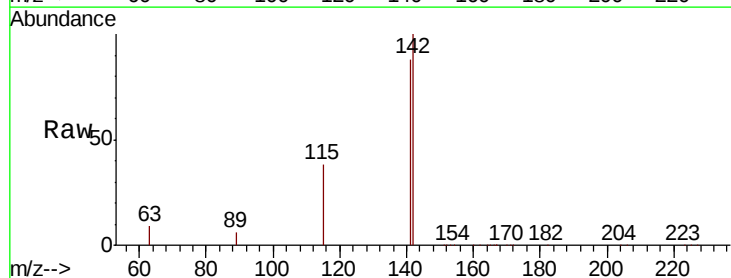
Instrument :
 BNA_E
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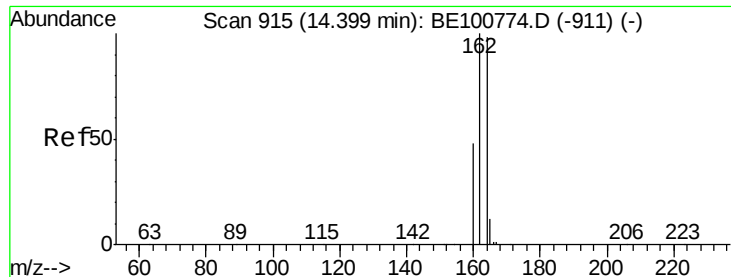
Tot Ion:152 Resp: 188088
 Ion Ratio Lower Upper
 152 100
 151 19.4 15.8 23.8



#12
 2-Methylnaphthalene
 Concen: 5.299 ng
 RT: 12.21 min Scan# 763
 Delta R.T. 0.00 min
 Lab File: BE100778.D
 Acq: 4 Dec 2019 16:21

Tgt Ion:142 Resp: 216511
 Ion Ratio Lower Upper
 142 100
 141 88.3 72.6 108.8
 115 38.5 31.8 47.6

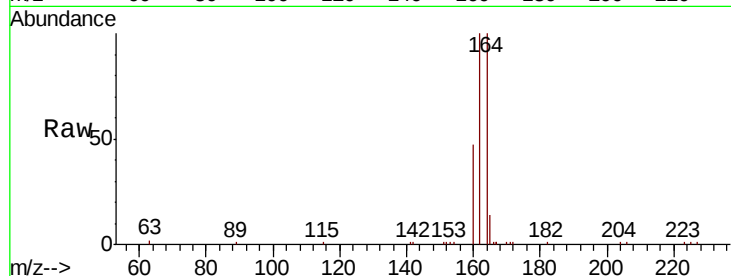




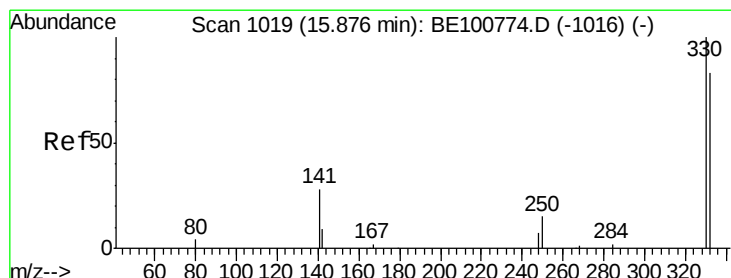
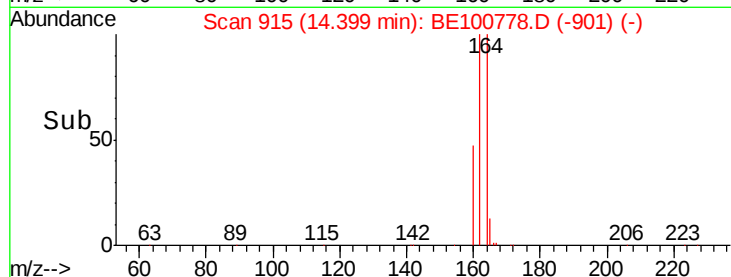
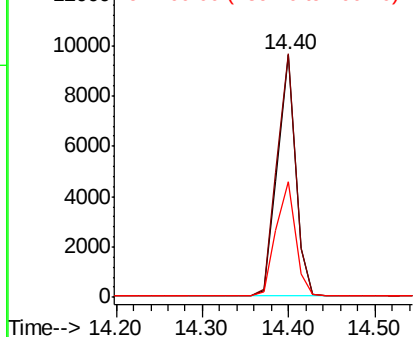
#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.40 min Scan# 915
Delta R.T. 0.00 min
Lab File: BE100778.D
Acq: 4 Dec 2019 16:21

Instrument :
BNA_E
ClientSampleId :

Tot Ion:164 Resp: 14131
Ion Ratio Lower Upper
164 100
162 100.5 81.4 122.0
160 47.6 39.4 59.0

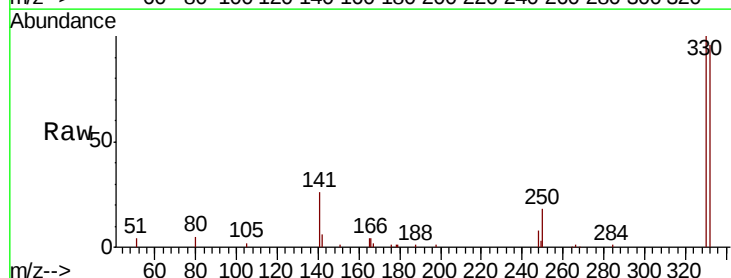


Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

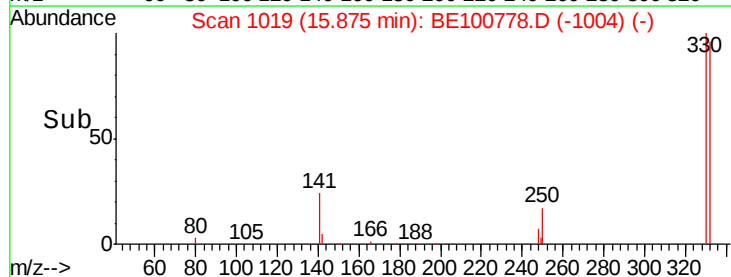
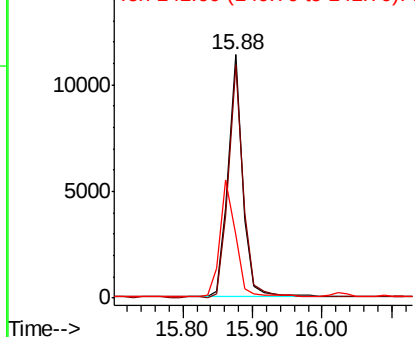


#14
2,4,6-Tribromophenol
Concen: 8.349 ng
RT: 15.88 min Scan# 1019
Delta R.T. -0.00 min
Lab File: BE100778.D
Acq: 4 Dec 2019 16:21

Tgt Ion:330 Resp: 16630
Ion Ratio Lower Upper
330 100
332 97.3 69.4 104.2
141 50.6 51.1 76.7#



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

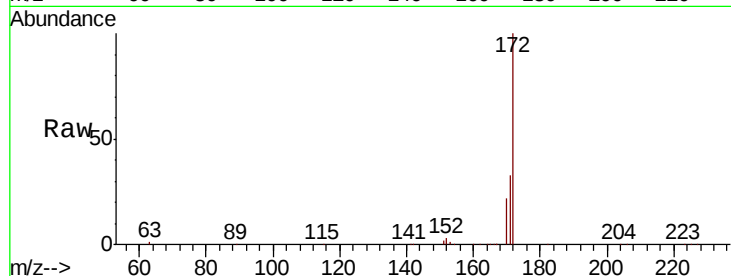




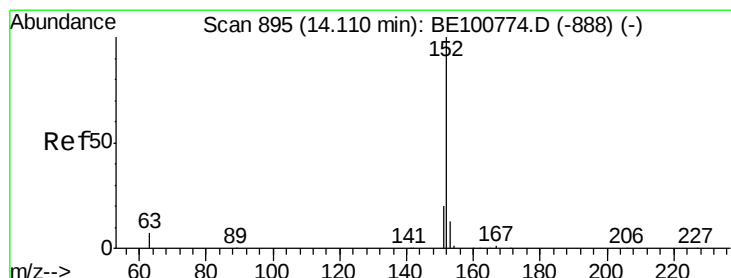
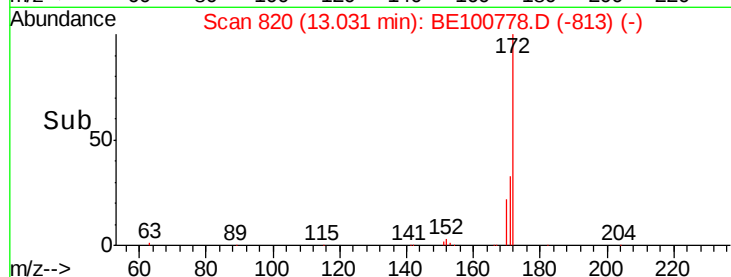
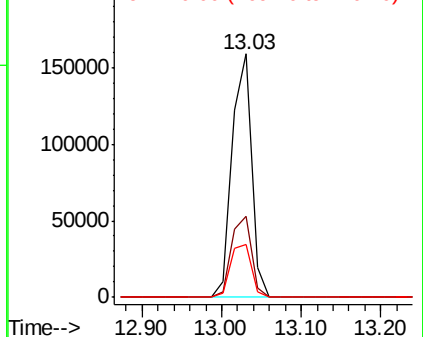
#15
2-Fluorobiphenyl
Concen: 4.908 ng
RT: 13.03 min Scan# 820
Delta R.T. 0.00 min
Lab File: BE100778.D
Acq: 4 Dec 2019 16:21

Instrument :
BNA_E
ClientSampleId :

Tot Ion:172 Resp: 269336
Ion Ratio Lower Upper
172 100
171 33.1 27.2 40.8
170 21.8 18.0 27.0

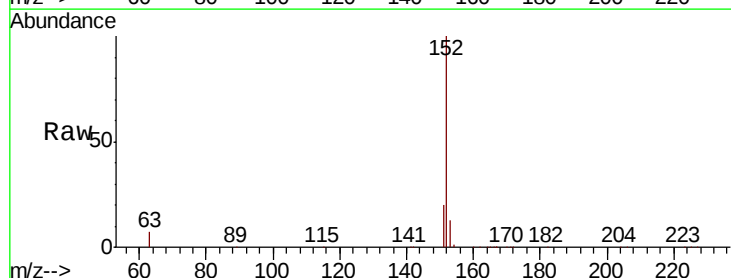


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

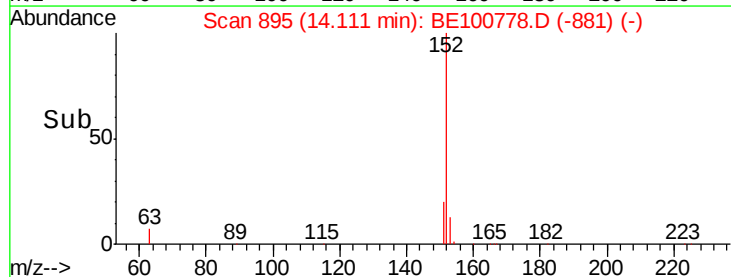
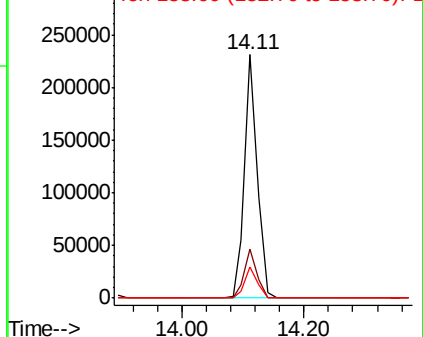


#16
Acenaphthylene
Concen: 5.560 ng
RT: 14.11 min Scan# 895
Delta R.T. 0.00 min
Lab File: BE100778.D
Acq: 4 Dec 2019 16:21

Tgt Ion:152 Resp: 338262
Ion Ratio Lower Upper
152 100
151 19.7 15.8 23.6
153 13.0 10.4 15.6



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

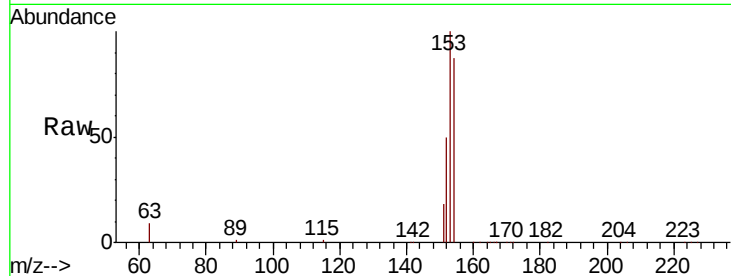




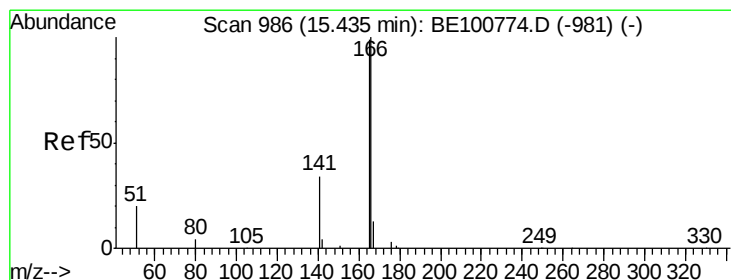
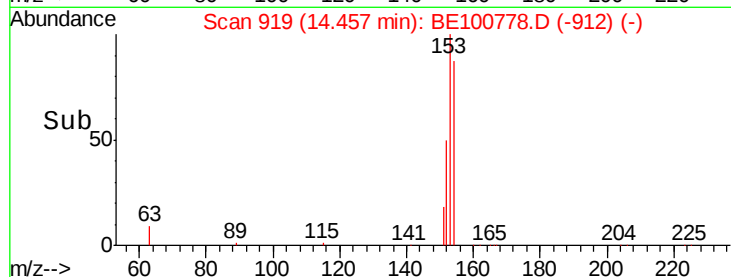
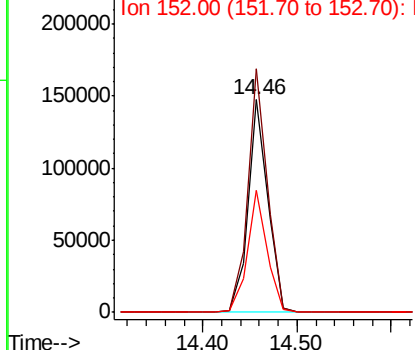
#17
Acenaphthene
Concen: 5.281 ng
RT: 14.46 min Scan# 919
Delta R.T. 0.00 min
Lab File: BE100778.D
Acq: 4 Dec 2019 16:21

Instrument :
BNA_E
ClientSampleId :

Tot Ion:154 Resp: 215463
Ion Ratio Lower Upper
154 100
153 113.2 92.2 138.2
152 56.9 49.1 73.7

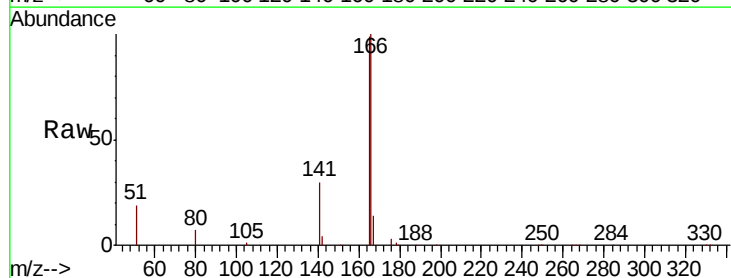


Abundance Ion 154.00 (153.70 to 154.70): E
Ion 153.00 (152.70 to 153.70): E
Ion 152.00 (151.70 to 152.70): E

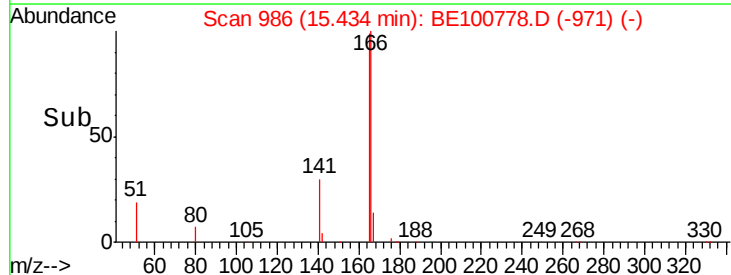
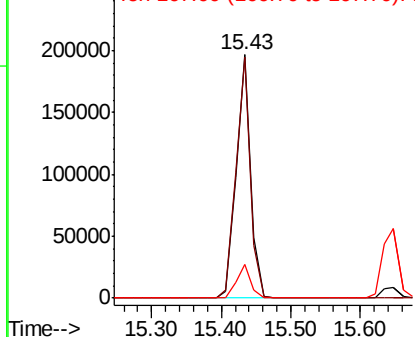


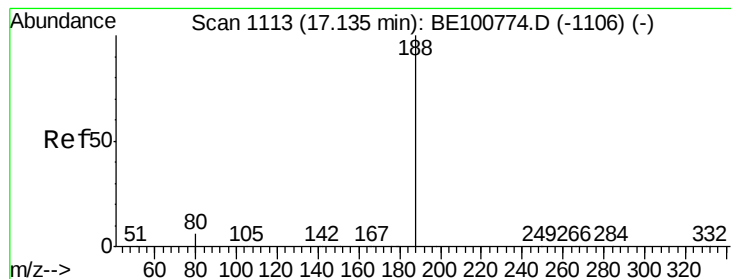
#18
Fluorene
Concen: 5.418 ng
RT: 15.43 min Scan# 986
Delta R.T. -0.00 min
Lab File: BE100778.D
Acq: 4 Dec 2019 16:21

Tgt Ion:166 Resp: 282298
Ion Ratio Lower Upper
166 100
165 99.1 80.5 120.7
167 13.7 10.7 16.1



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: 17.12 min Scan# 1112

Delta R.T. -0.01 min

Lab File: BE100778.D

Acq: 4 Dec 2019 16:21

Instrument :

BNA_E

ClientSampleId :

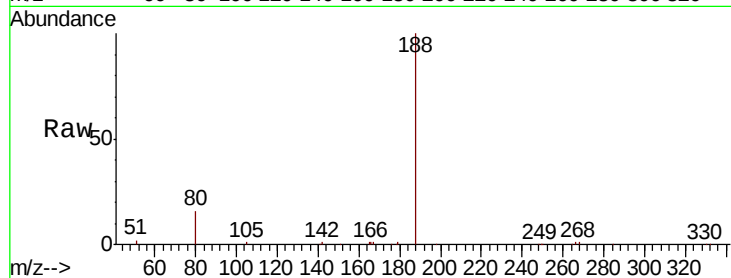
Tot Ion:188 Resp: 30579

Ion Ratio Lower Upper

188 100

94 0.0 0.0 0.0

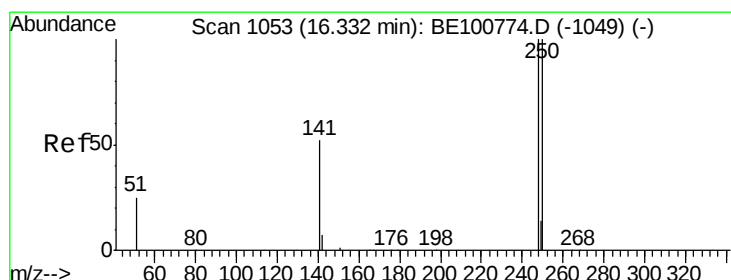
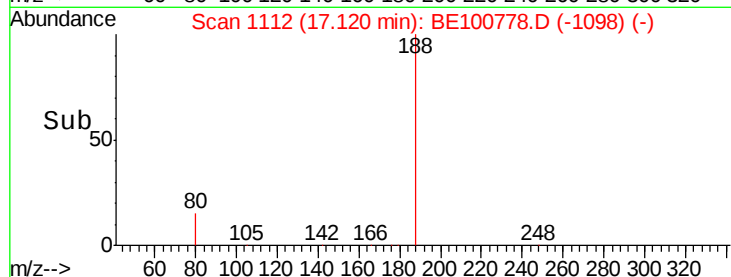
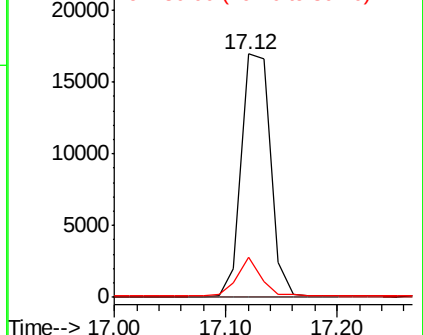
80 16.2 5.2 7.8#



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: 5.645 ng

RT: 16.33 min Scan# 1053

Delta R.T. -0.00 min

Lab File: BE100778.D

Acq: 4 Dec 2019 16:21

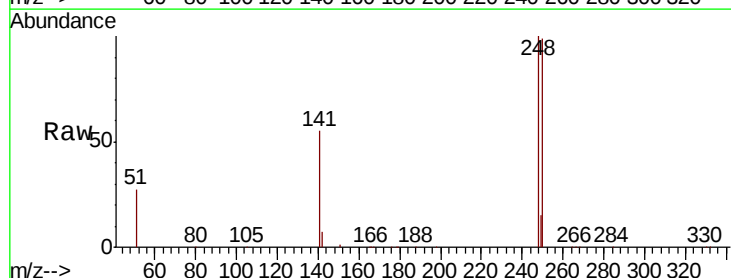
Tgt Ion:248 Resp: 84924

Ion Ratio Lower Upper

248 100

250 99.2 80.5 120.7

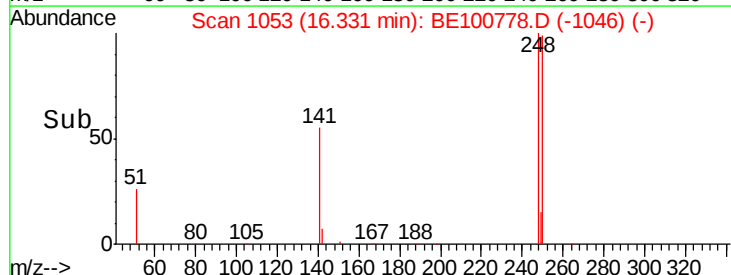
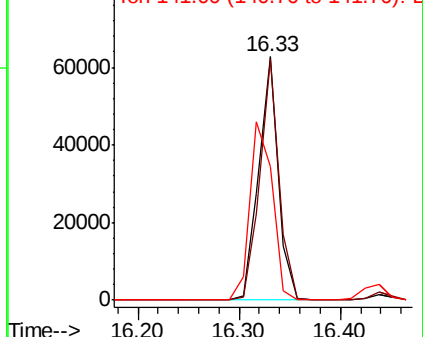
141 54.7 42.6 64.0

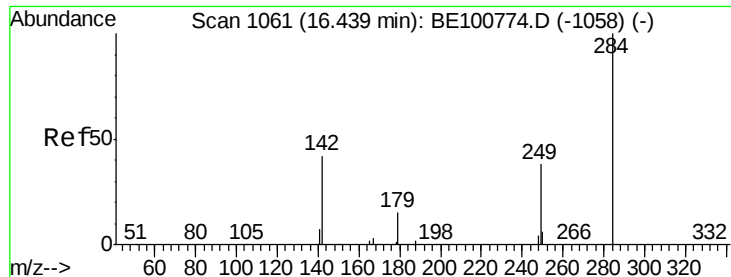


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E





#21

Hexachlorobenzene

Concen: 5.460 ng

RT: 16.44 min Scan# 1061

Delta R.T. -0.00 min

Lab File: BE100778.D

Acq: 4 Dec 2019 16:21

Instrument :

BNA_E

ClientSampleId :

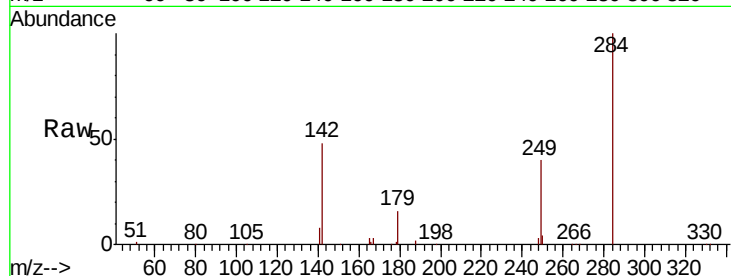
Tot Ion:284 Resp: 85745

Ion Ratio Lower Upper

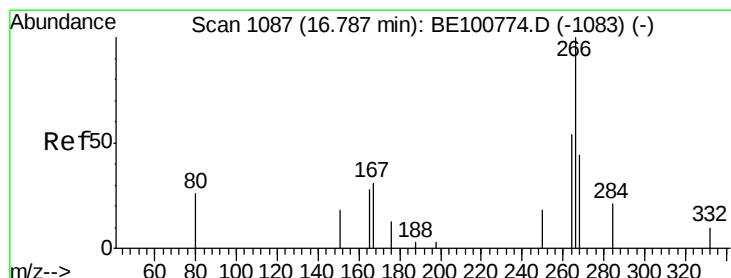
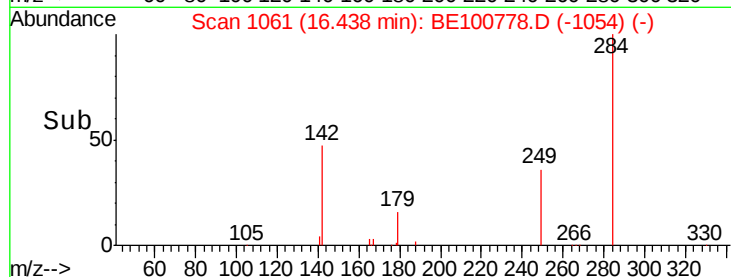
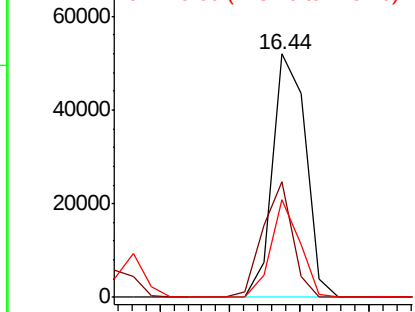
284 100

142 42.9 34.4 51.6

249 34.9 28.5 42.7



Abundance Ion 283.80 (283.50 to 284.50): E
Ion 142.00 (141.70 to 142.70): E
Ion 249.00 (248.70 to 249.70): E



#22

Pentachlorophenol

Concen: 4.978 ng

RT: 16.79 min Scan# 1087

Delta R.T. -0.00 min

Lab File: BE100778.D

Acq: 4 Dec 2019 16:21

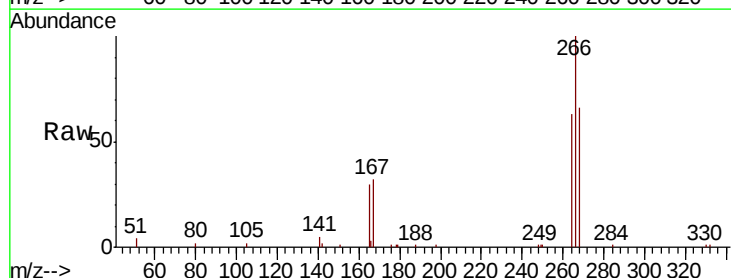
Tgt Ion:266 Resp: 14198

Ion Ratio Lower Upper

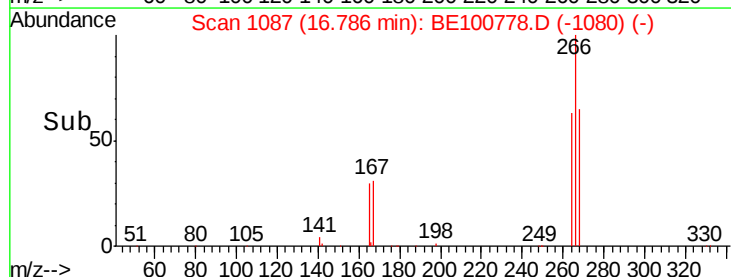
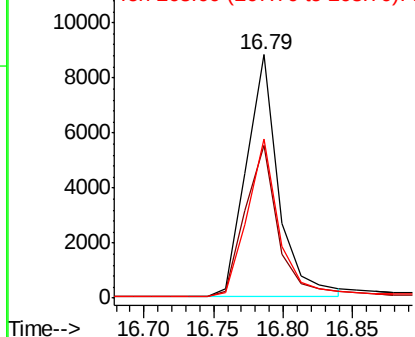
266 100

264 63.0 63.4 95.0#

268 65.5 65.8 98.8#



Abundance Ion 266.00 (265.70 to 266.70): E
Ion 264.00 (263.70 to 264.70): E
Ion 268.00 (267.70 to 268.70): E





#23

Phenanthrene

Concen: 5.322 ng

RT: 17.17 min Scan# 1116

Delta R.T. 0.01 min

Lab File: BE100778.D

Acq: 4 Dec 2019 16:21

Instrument :

BNA_E

ClientSampleId :

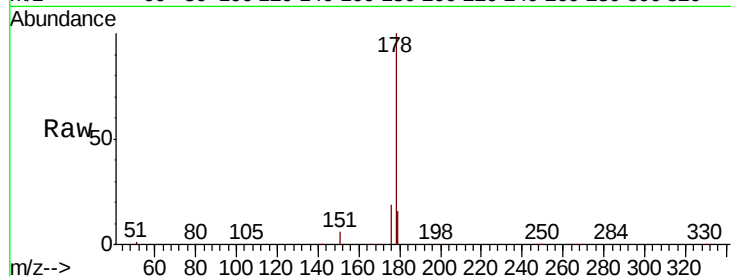
Tot Ion:178 Resp: 490084

Ion Ratio Lower Upper

178 100

176 19.6 15.5 23.3

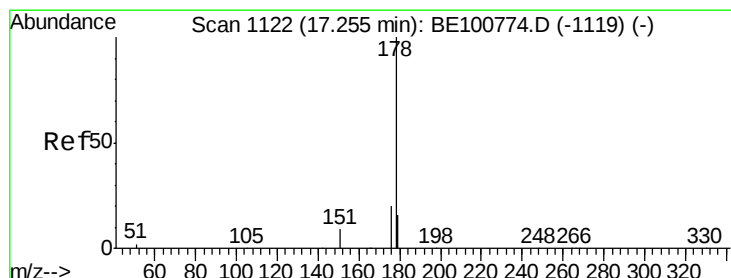
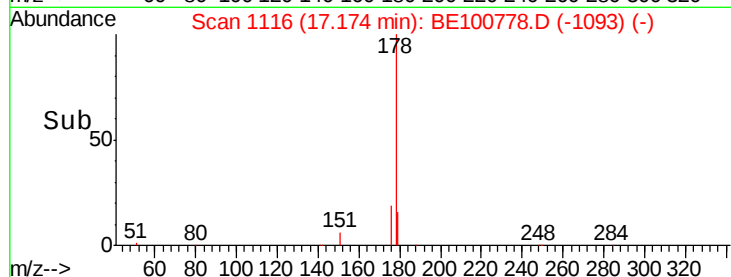
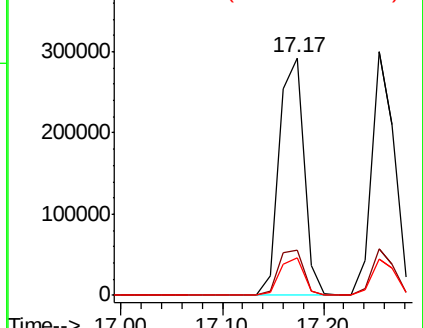
179 15.4 12.3 18.5



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: 5.858 ng

RT: 17.25 min Scan# 1122

Delta R.T. -0.00 min

Lab File: BE100778.D

Acq: 4 Dec 2019 16:21

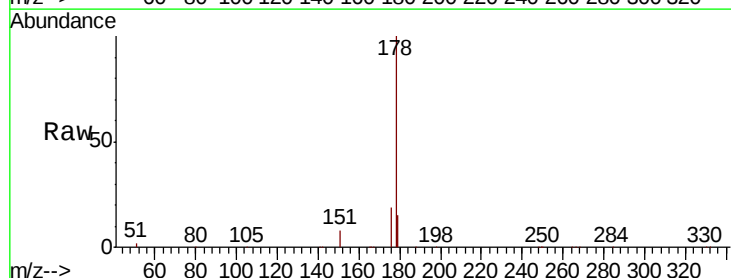
Tgt Ion:178 Resp: 464848

Ion Ratio Lower Upper

178 100

176 18.9 15.4 23.2

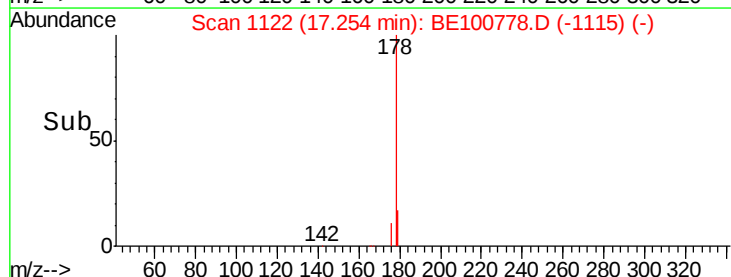
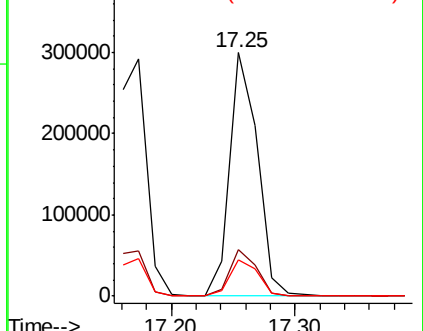
179 15.4 12.7 19.1

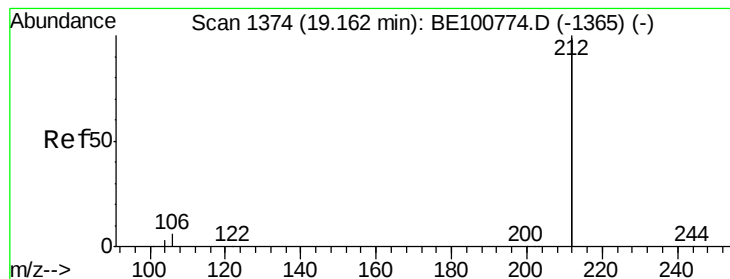


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#25

Fluoranthene-d10

Concen: 5.650 ng

RT: 19.16 min Scan# 1374

Delta R.T. -0.00 min

Lab File: BE100778.D

Acq: 4 Dec 2019 16:21

Instrument :

BNA_E

ClientSampleId :

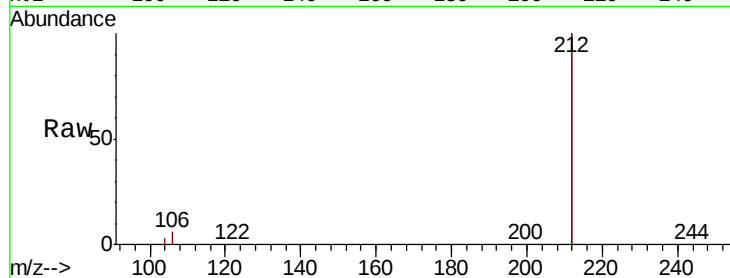
Tot Ion:212 Resp: 2114964

Ion Ratio Lower Upper

212 100

106 3.3 2.6 3.8

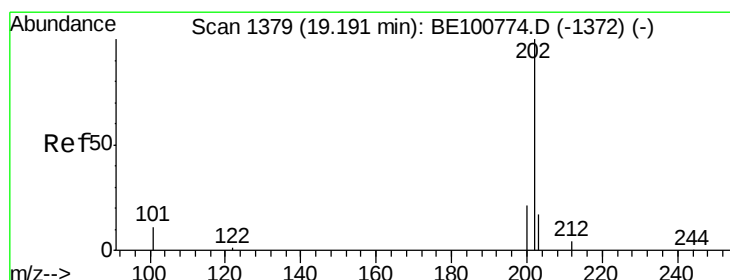
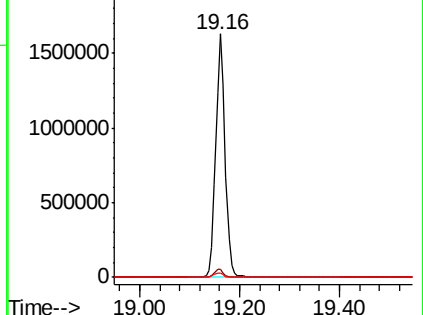
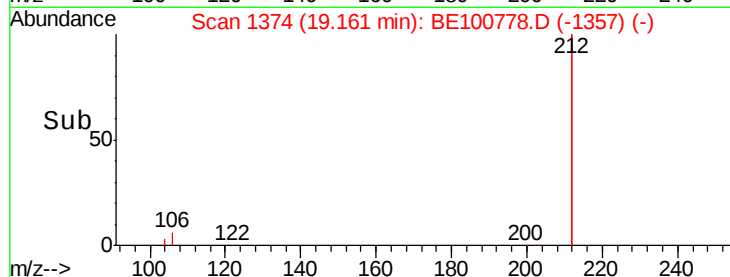
104 1.8 1.4 2.2



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: 5.703 ng

RT: 19.19 min Scan# 1379

Delta R.T. -0.00 min

Lab File: BE100778.D

Acq: 4 Dec 2019 16:21

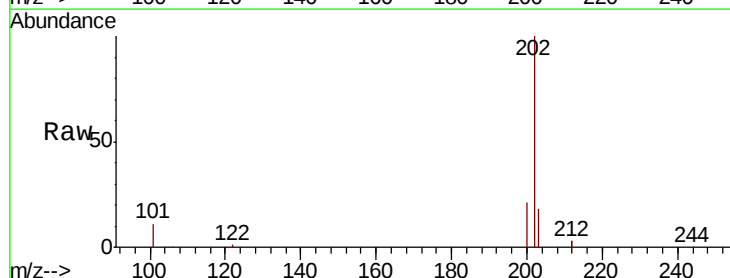
Tgt Ion:202 Resp: 642647

Ion Ratio Lower Upper

202 100

101 11.7 9.1 13.7

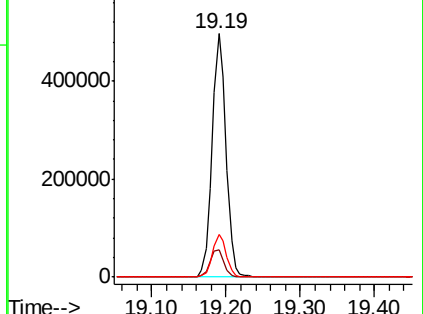
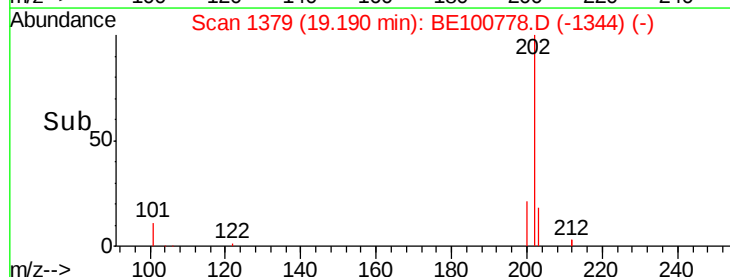
203 17.7 13.8 20.6



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: 21.31 min Scan# 1625

Delta R.T. 0.00 min

Lab File: BE100778.D

Acq: 4 Dec 2019 16:21

Instrument :

BNA_E

ClientSampleId :

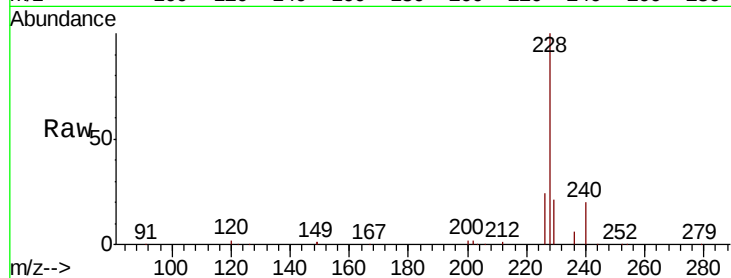
Tot Ion:240 Resp: 37961

Ion Ratio Lower Upper

240 100

120 10.5 10.2 15.2

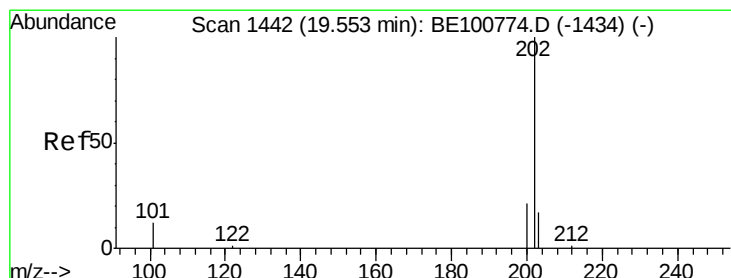
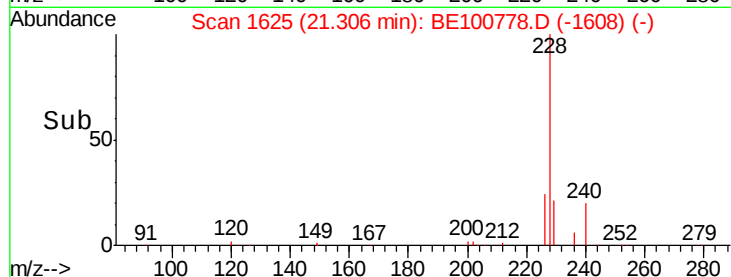
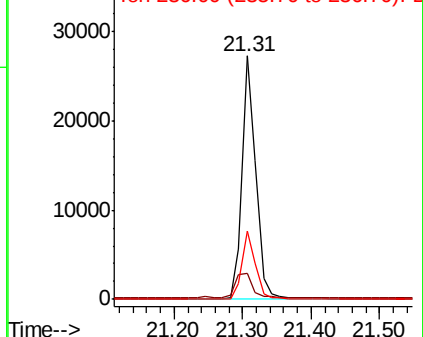
236 28.1 22.3 33.5



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

Pyrene

Concen: 5.513 ng

RT: 19.55 min Scan# 1442

Delta R.T. -0.00 min

Lab File: BE100778.D

Acq: 4 Dec 2019 16:21

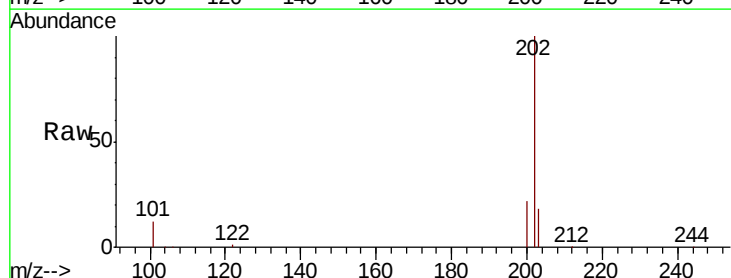
Tgt Ion:202 Resp: 648090

Ion Ratio Lower Upper

202 100

200 21.5 17.0 25.4

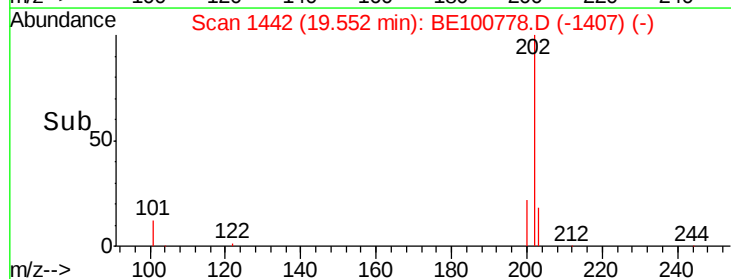
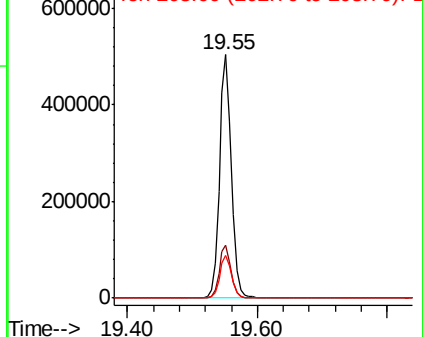
203 17.6 13.9 20.9



Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E

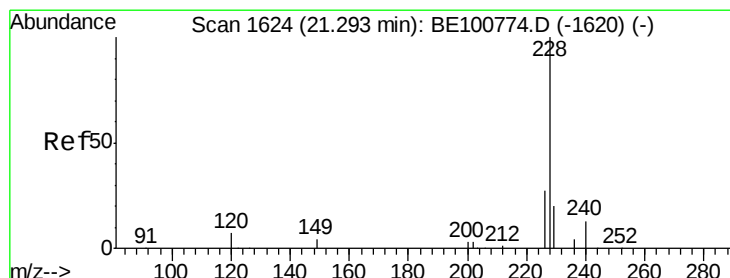
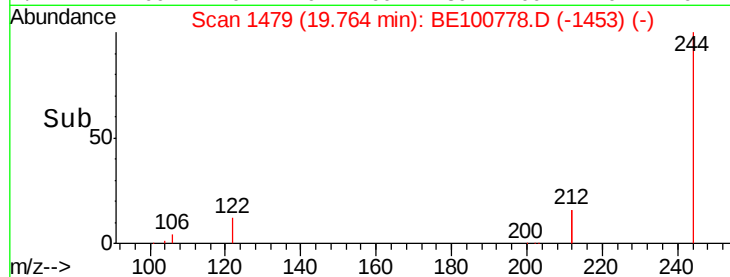
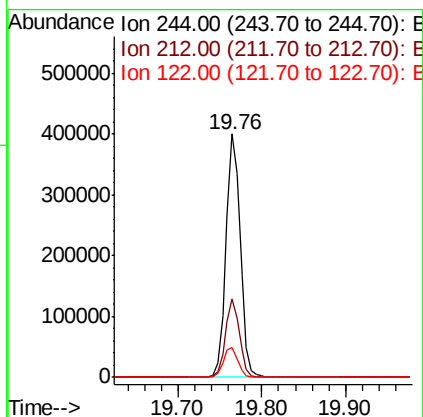
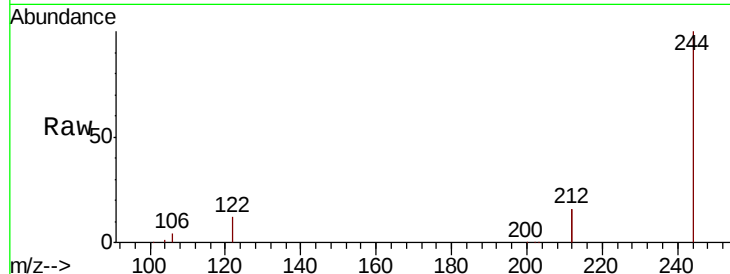




#29
 Terphenyl-d14
 Concen: 5.404 ng
 RT: 19.76 min Scan# 1479
 Delta R.T. -0.00 min
 Lab File: BE100778.D
 Acq: 4 Dec 2019 16:21

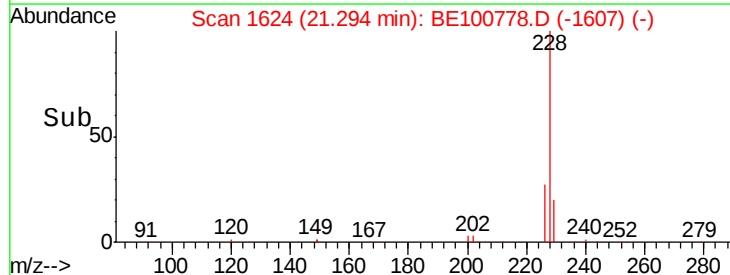
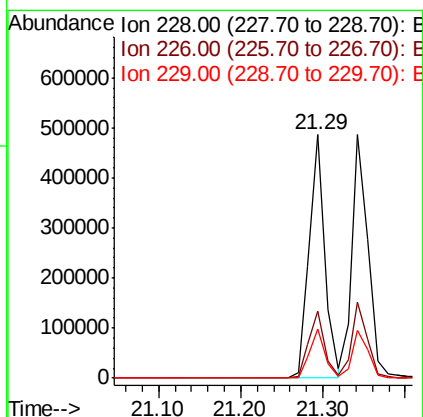
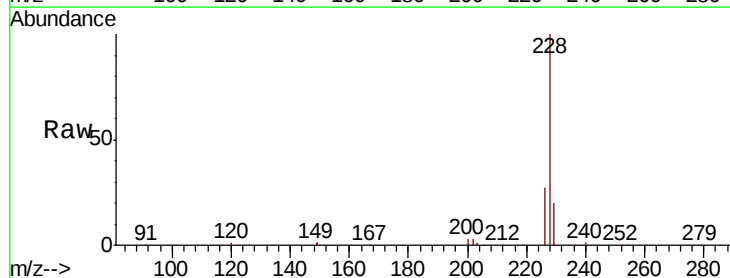
Instrument :
 BNA_E
 ClientSampleId :

Tot Ion:244 Resp: 472344
 Ion Ratio Lower Upper
 244 100
 212 32.1 26.2 39.4
 122 12.2 10.2 15.4



#30
 Benzo(a)anthracene
 Concen: 4.975 ng
 RT: 21.29 min Scan# 1624
 Delta R.T. 0.00 min
 Lab File: BE100778.D
 Acq: 4 Dec 2019 16:21

Tgt Ion:228 Resp: 637207
 Ion Ratio Lower Upper
 228 100
 226 27.5 21.5 32.3
 229 20.3 16.0 24.0





#31

Chrysene

Concen: 5.082 ng

RT: 21.34 min Scan# 1628

Delta R.T. 0.00 min

Lab File: BE100778.D

Acq: 4 Dec 2019 16:21

Instrument :

BNA_E

ClientSampleId :

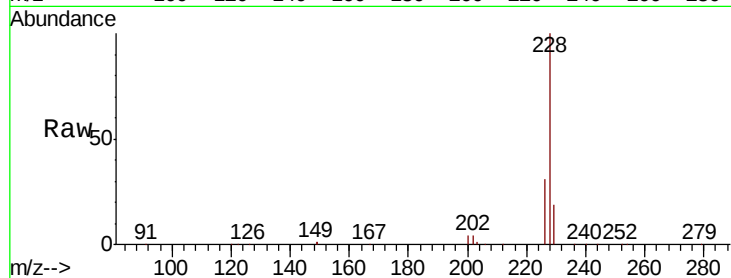
Tot Ion:228 Resp: 661717

Ion Ratio Lower Upper

228 100

226 31.2 25.0 37.4

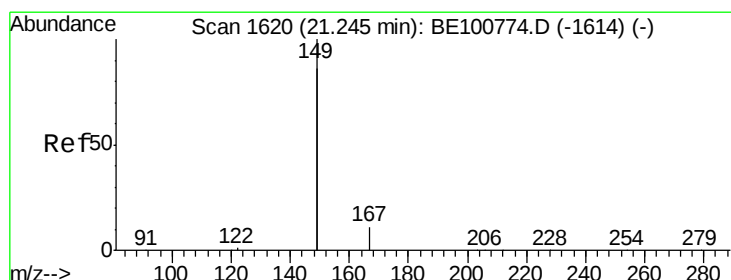
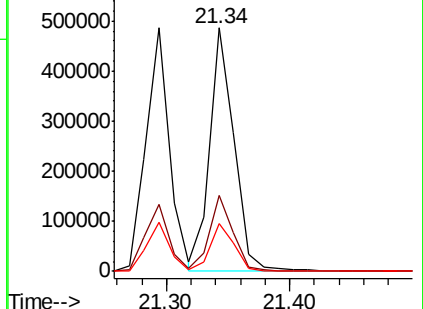
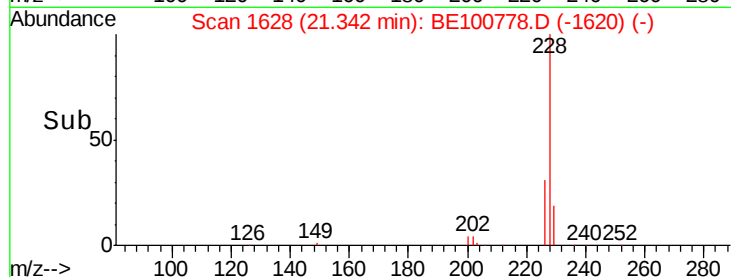
229 19.5 15.4 23.2



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: 3.828 ng

RT: 21.25 min Scan# 1620

Delta R.T. 0.00 min

Lab File: BE100778.D

Acq: 4 Dec 2019 16:21

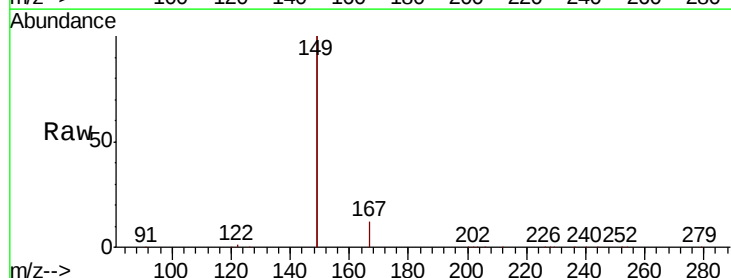
Tgt Ion:149 Resp: 881725

Ion Ratio Lower Upper

149 100

167 6.4 5.0 7.6

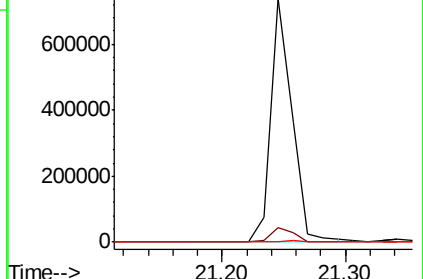
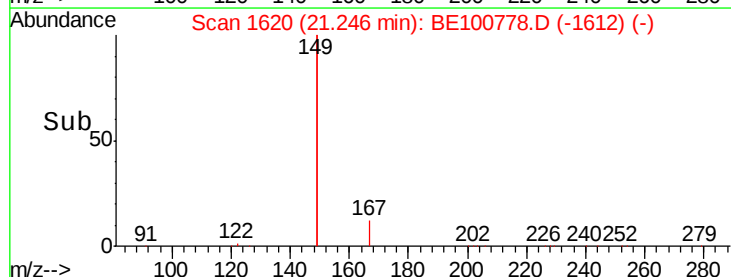
279 0.8 0.7 1.1



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

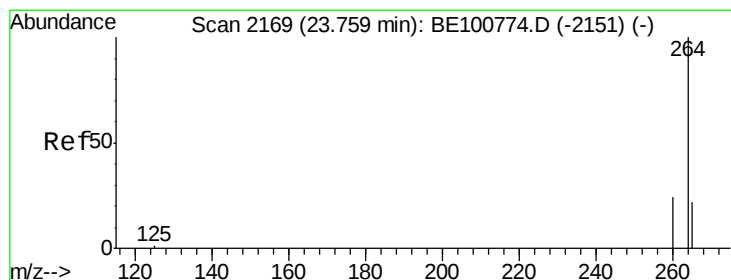
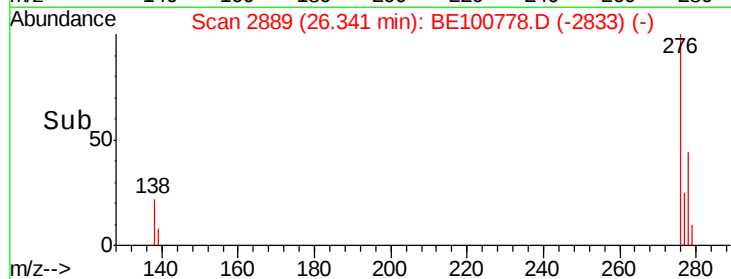
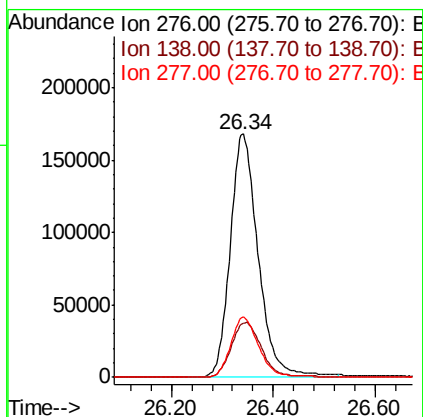
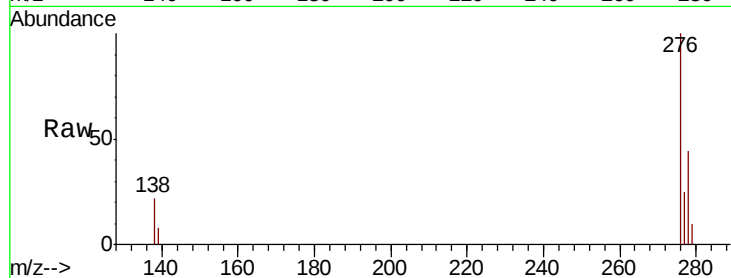




#33
 Indeno(1,2,3-cd)pyrene
 Concen: 4.690 ng
 RT: 26.34 min Scan# 2889
 Delta R.T. -0.00 min
 Lab File: BE100778.D
 Acq: 4 Dec 2019 16:21

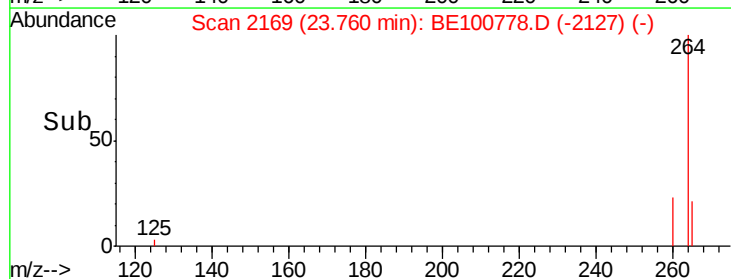
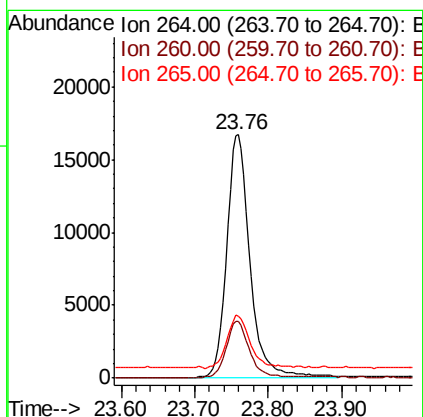
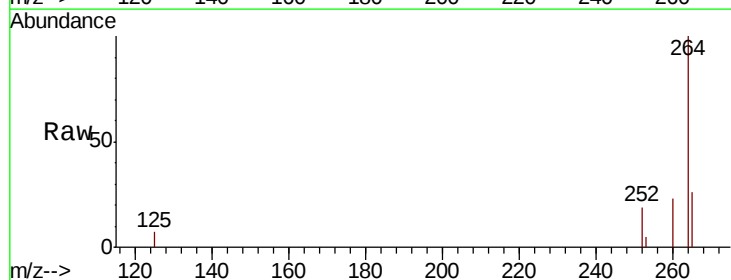
Instrument :
 BNA_E
 ClientSampleId :

Tot Ion:276 Resp: 639974
 Ion Ratio Lower Upper
 276 100
 138 24.6 19.4 29.0
 277 24.8 19.8 29.6



#34
 Perylene-d12
 Concen: 0.400 ng
 RT: 23.76 min Scan# 2169
 Delta R.T. 0.00 min
 Lab File: BE100778.D
 Acq: 4 Dec 2019 16:21

Tgt Ion:264 Resp: 36867
 Ion Ratio Lower Upper
 264 100
 260 23.4 19.4 29.2
 265 25.6 21.8 32.8





#35

Benzo(b)fluoranthene

Concen: 5.051 ng

RT: 23.01 min Scan# 1959

Delta R.T. 0.00 min

Lab File: BE100778.D

Acq: 4 Dec 2019 16:21

Instrument :

BNA_E

ClientSampleId :

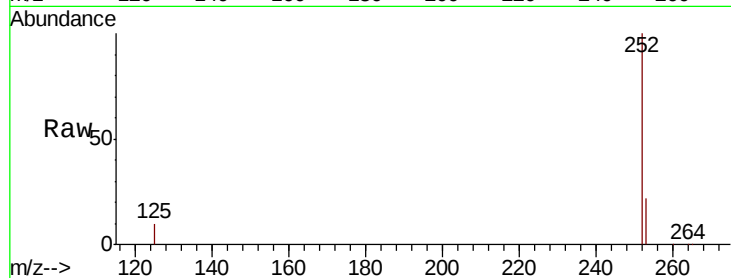
Tot Ion:252 Resp: 584416

Ion Ratio Lower Upper

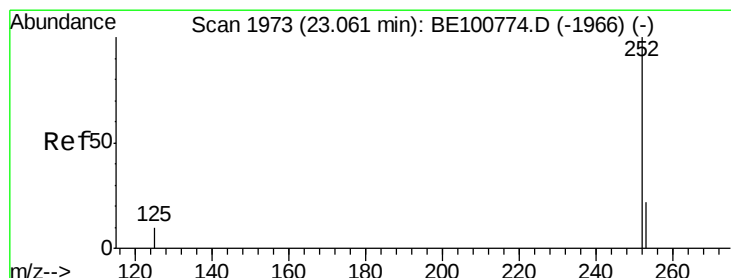
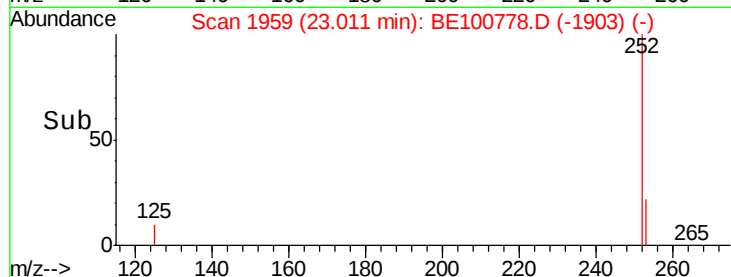
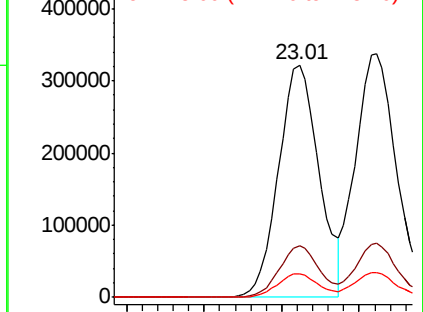
252 100

253 22.0 17.8 26.8

125 10.1 9.0 13.4



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: 5.343 ng

RT: 23.06 min Scan# 1973

Delta R.T. 0.00 min

Lab File: BE100778.D

Acq: 4 Dec 2019 16:21

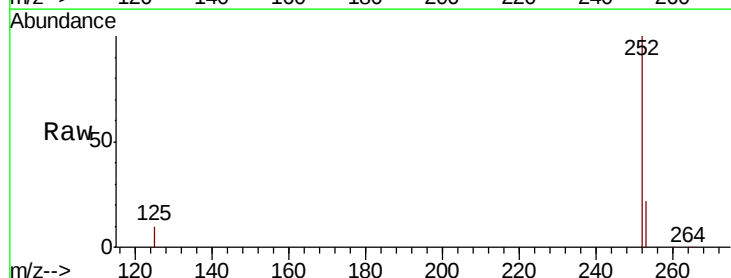
Tgt Ion:252 Resp: 644470

Ion Ratio Lower Upper

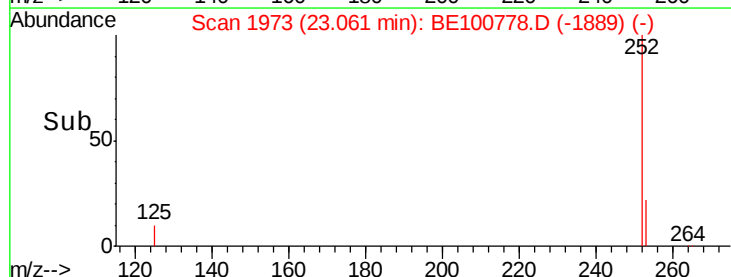
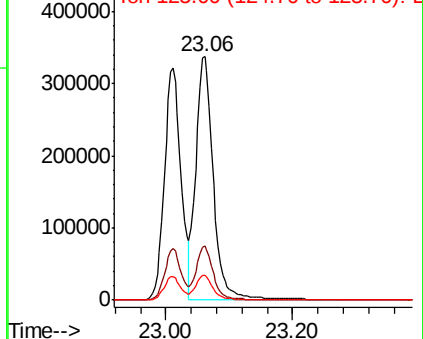
252 100

253 22.2 17.8 26.8

125 10.1 8.7 13.1



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: 5.214 ng

RT: 23.65 min Scan# 2138

Delta R.T. 0.00 min

Lab File: BE100778.D

Acq: 4 Dec 2019 16:21

Instrument :

BNA_E

ClientSampleId :

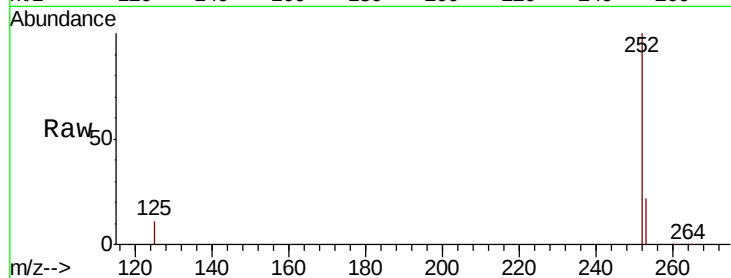
Tot Ion:252 Resp: 531953

Ion Ratio Lower Upper

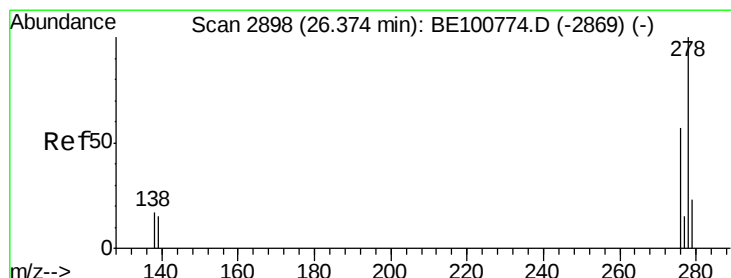
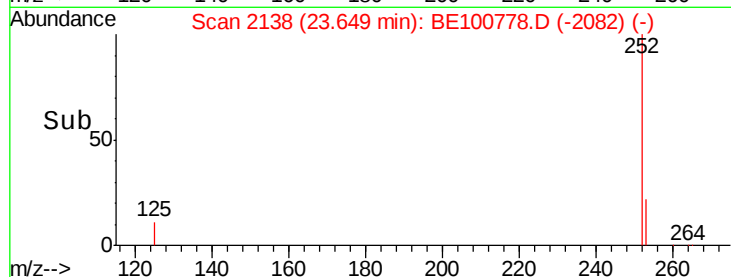
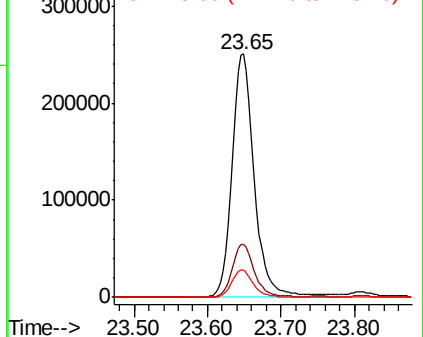
252 100

253 21.9 18.2 27.4

125 11.1 10.4 15.6



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



#38

Dibenzo(a,h)anthracene

Concen: 4.971 ng

RT: 26.37 min Scan# 2896

Delta R.T. -0.01 min

Lab File: BE100778.D

Acq: 4 Dec 2019 16:21

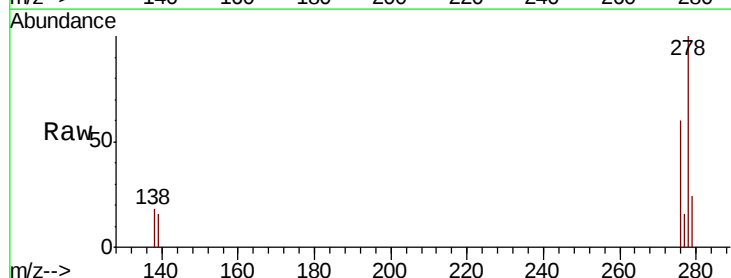
Tgt Ion:278 Resp: 533410

Ion Ratio Lower Upper

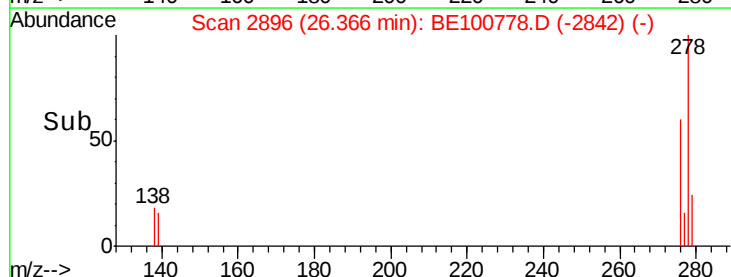
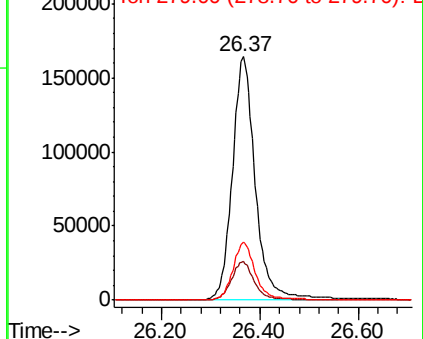
278 100

139 15.9 13.0 19.4

279 24.0 19.6 29.4



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(a,h,i)perylene

Concen: 4.693 ng

RT: 27.13 min Scan# 3109

Delta R.T. -0.00 min

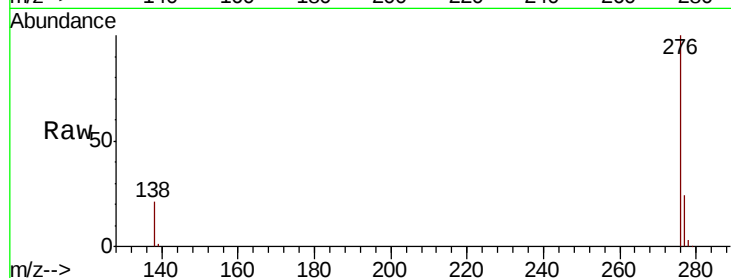
Lab File: BE100778.D

Acq: 4 Dec 2019 16:21

Instrument :

BNA_E

ClientSampleId :



Tot Ion: 276 Resp: 524599

Ion Ratio Lower Upper

276 100

277 24.0 19.3 28.9

138 21.1 17.8 26.6

