

Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE100819\
 Data File : BE100604.D
 Acq On : 8 Oct 2019 12:21
 Operator : JU
 Sample : PB123706BS
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :

Quant Time: Oct 09 01:45:06 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA E\METHODS\8270-SIM-BE100319.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Oct 09 01:42:20 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.82	152	3735	0.40	ng	0.00
7) Naphthalene-d8	10.61	136	17407	0.40	ng	0.01
13) Acenaphthene-d10	14.46	164	10080	0.40	ng	0.00
19) Phenanthrene-d10	17.17	188	22915	0.40	ng	0.00
27) Chrysene-d12	21.33	240	28775	0.40	ng	0.00
34) Perylene-d12	23.79	264	34674	0.40	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Fluorophenol	5.39	112	3561	0.35	ng	0.00
5) Phenol-d6	6.98	99	4625	0.37	ng	0.00
8) Nitrobenzene-d5	8.96	82	3829	0.35	ng	0.00
11) 2-Methylnaphthalene-d10	12.21	152	10000	0.38	ng	0.00
14) 2,4,6-Tribromophenol	15.93	330	727	0.32	ng	0.00
15) 2-Fluorobiphenyl	13.09	172	14199	0.39	ng	0.00
25) Fluoranthene-d10	19.20	212	103500	0.37	ng	0.00
29) Terphenyl-d14	19.79	244	26027	0.41	ng	0.00

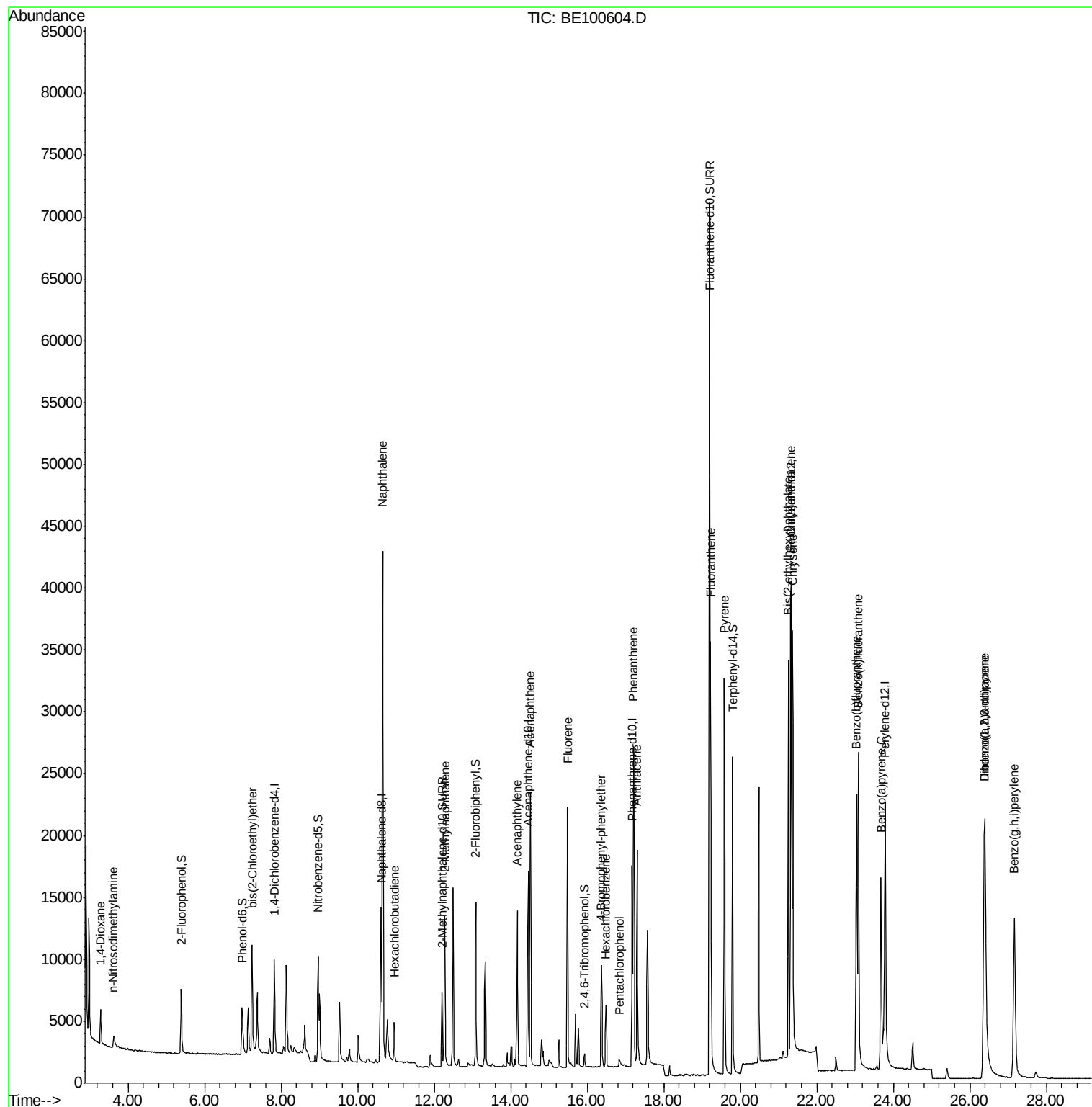
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) 1,4-Dioxane	3.28	88	2392	0.380	ng	96
3) n-Nitrosodimethylamine	3.61	42	1063	0.359	ng	# 93
6) bis(2-Chloroethyl)ether	7.24	93	4485	0.382	ng	99
9) Naphthalene	10.65	128	70483	0.393	ng	100
10) Hexachlorobutadiene	10.95	225	2250	0.388	ng	97
12) 2-Methylnaphthalene	12.28	142	11339	0.384	ng	95
16) Acenaphthylene	14.17	152	15420	0.360	ng	99
17) Acenaphthene	14.51	154	10948	0.382	ng	99
18) Fluorene	15.49	166	13885	0.379	ng	99
20) 4-Bromophenyl-phenylether	16.37	248	4181	0.368	ng	# 87
21) Hexachlorobenzene	16.49	284	3697	0.387	ng	98
22) Pentachlorophenol	16.84	266	504	0.453	ng	95
23) Phenanthrene	17.21	178	26002	0.399	ng	100
24) Anthracene	17.31	178	19384	0.345	ng	100
26) Fluoranthene	19.22	202	30450	0.379	ng	100
28) Pyrene	19.59	202	31390	0.426	ng	100
30) Benzo(a)anthracene	21.32	228	28775	0.358	ng	100
31) Chrysene	21.37	228	33971	0.395	ng	97
32) Bis(2-ethylhexyl)phthalate	21.26	149	33937	0.221	ng	100
33) Indeno(1,2,3-cd)pyrene	26.37	276	38382	0.379	ng	99
35) Benzo(b)fluoranthene	23.04	252	31884	0.339	ng	100
36) Benzo(k)fluoranthene	23.09	252	41460	0.388	ng	99
37) Benzo(a)pyrene	23.68	252	29708	0.344	ng	99
38) Dibenzo(a,h)anthracene	26.40	278	32136	0.354	ng	100
39) Benzo(g,h,i)perylene	27.17	276	33408	0.364	ng	100

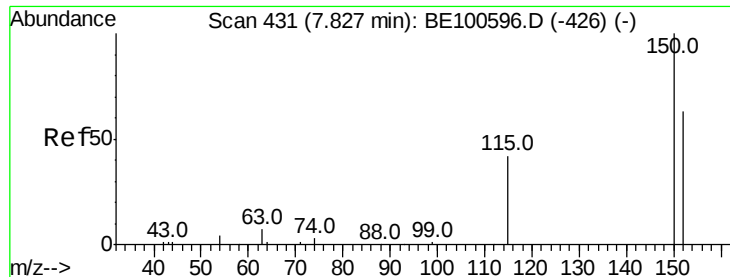
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 0.400 ng

RT: 7.82 min Scan# 430

Delta R.T. 0.00 min

Lab File: BE100604.D

Acq: 8 Oct 2019 12:21

Instrument :

BNA_E

ClientSampleId :

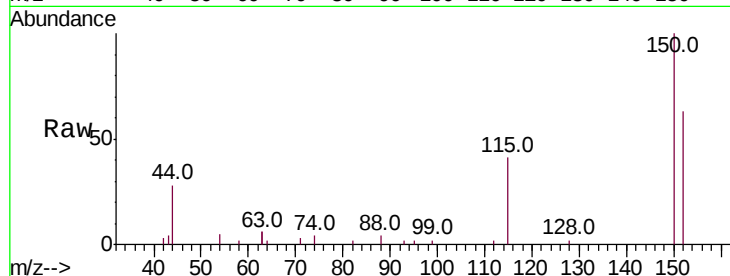
Tot Ion:152 Resp: 3735

Ion Ratio Lower Upper

152 100

150 157.9 126.5 189.7

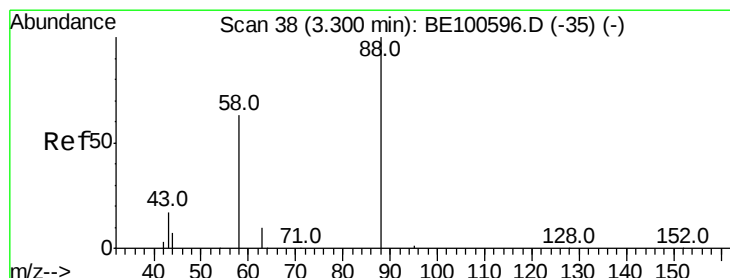
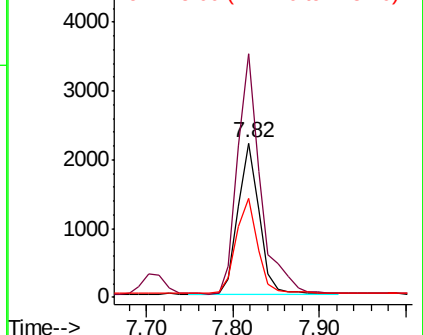
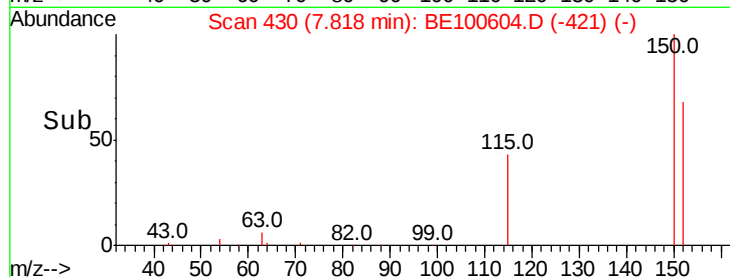
115 64.4 54.6 81.8



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: 0.380 ng

RT: 3.28 min Scan# 36

Delta R.T. -0.01 min

Lab File: BE100604.D

Acq: 8 Oct 2019 12:21

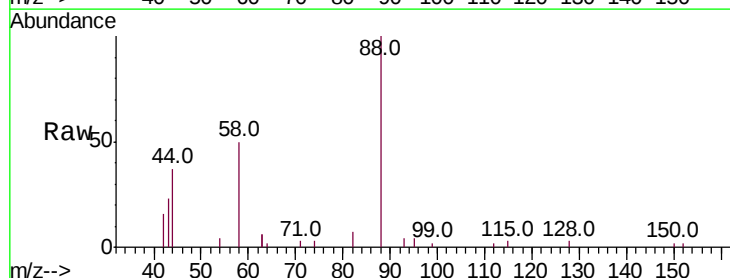
Tgt Ion: 88 Resp: 2392

Ion Ratio Lower Upper

88 100

58 63.3 48.1 72.1

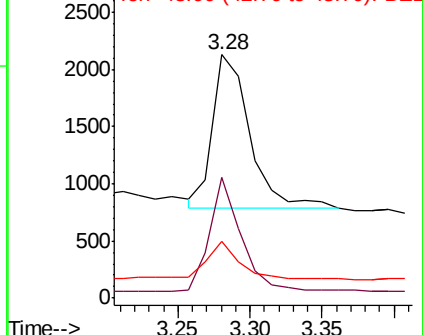
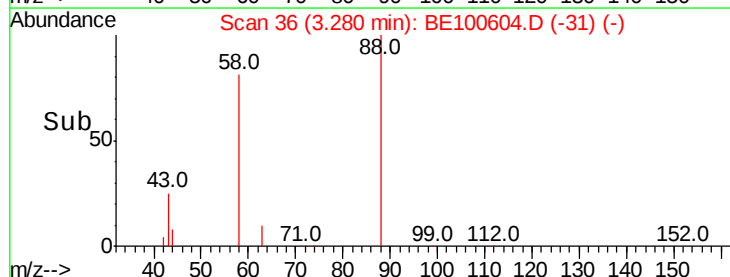
43 20.2 14.4 21.6

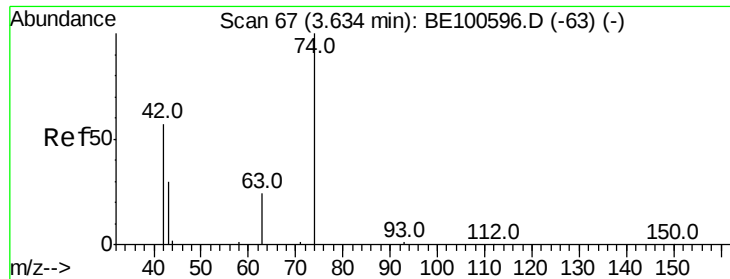


Abundance Ion 88.00 (87.70 to 88.70): BE1

Ion 58.00 (57.70 to 58.70): BE1

Ion 43.00 (42.70 to 43.70): BE1





#3

n-Nitrosodimethylamine

Concen: 0.359 ng

RT: 3.61 min Scan# 65

Delta R.T. -0.01 min

Lab File: BE100604.D

Acq: 8 Oct 2019 12:21

Instrument :

BNA_E

ClientSampleId :

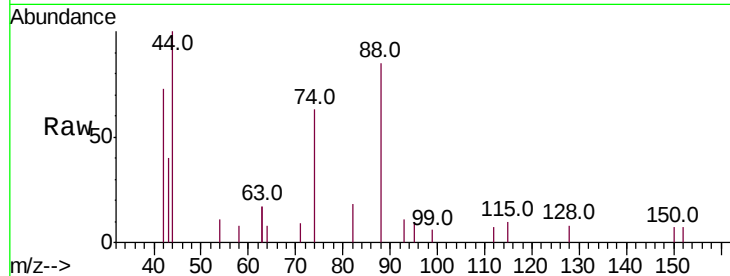
Tot Ion: 42 Resp: 1063

Ion Ratio Lower Upper

42 100

74 178.6 136.2 204.2

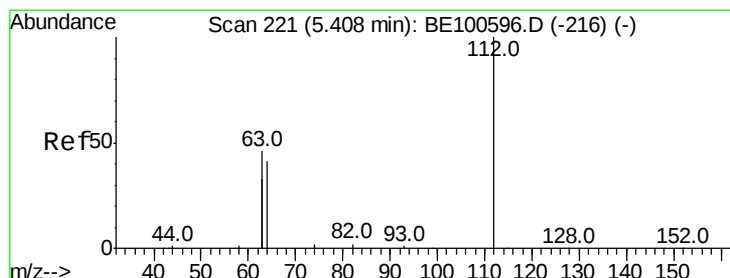
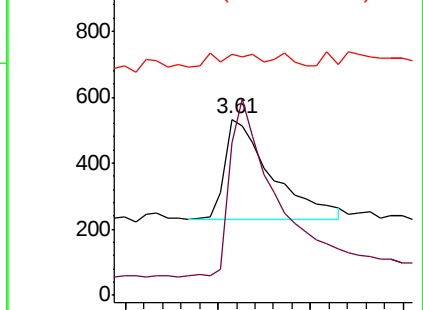
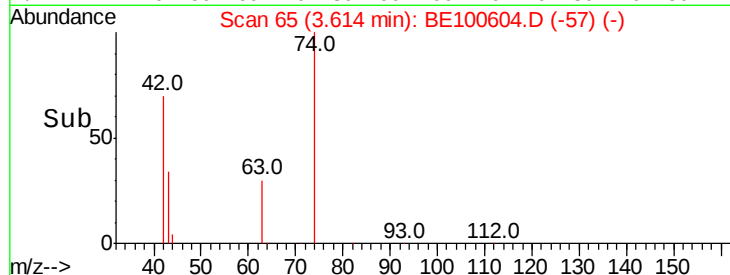
44 0.0 7.4 11.0#



Abundance Ion 42.00 (41.70 to 42.70): BE1

Ion 74.00 (73.70 to 74.70): BE1

Ion 44.00 (43.70 to 44.70): BE1



#4

2-Fluorophenol

Concen: 0.353 ng

RT: 5.39 min Scan# 219

Delta R.T. -0.01 min

Lab File: BE100604.D

Acq: 8 Oct 2019 12:21

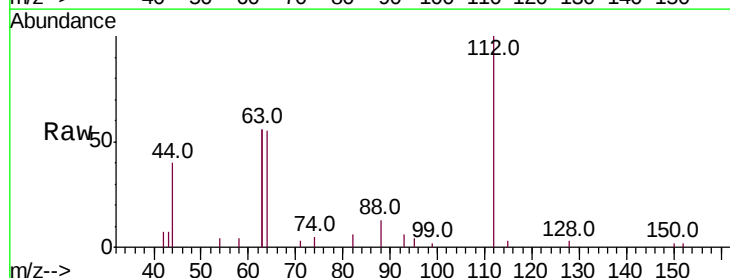
Tgt Ion: 112 Resp: 3561

Ion Ratio Lower Upper

112 100

64 54.8 43.7 65.5

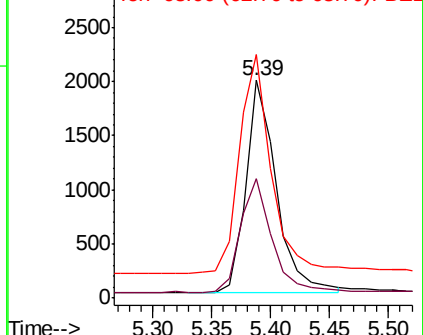
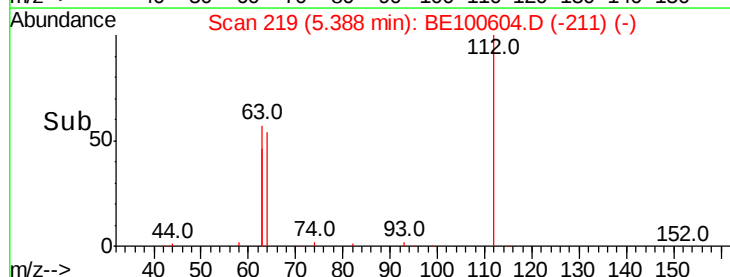
63 106.5 84.5 126.7

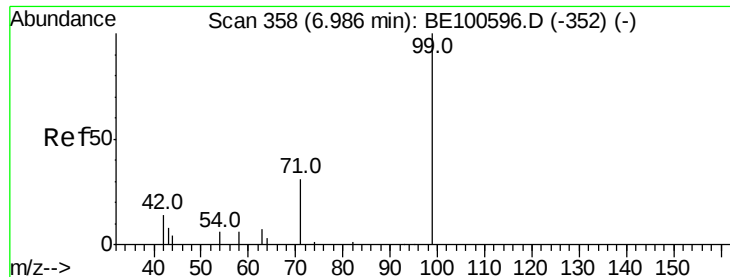


Abundance Ion 112.00 (111.70 to 112.70): BE1

Ion 64.00 (63.70 to 64.70): BE1

Ion 63.00 (62.70 to 63.70): BE1





#5

Phenol-d6

Concen: 0.365 ng

RT: 6.98 min Scan# 357

Delta R.T. -0.01 min

Lab File: BE100604.D

Acq: 8 Oct 2019 12:21

Instrument :

BNA_E

ClientSampleId :

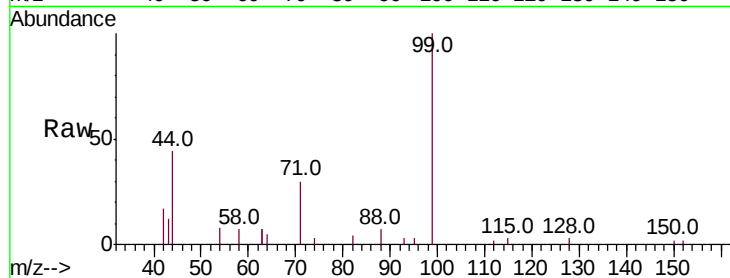
Tot Ion: 99 Resp: 4625

Ion Ratio Lower Upper

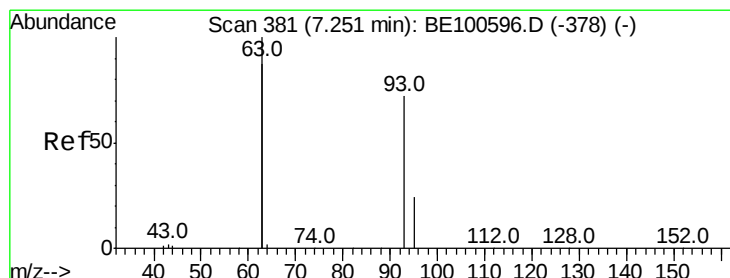
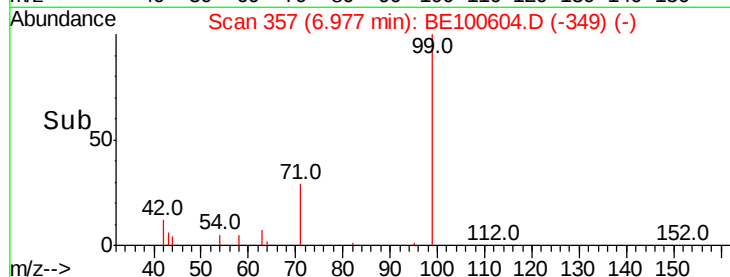
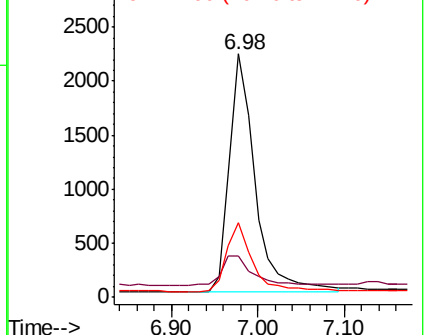
99 100

42 14.4 11.7 17.5

71 28.8 23.0 34.4



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: 0.382 ng

RT: 7.24 min Scan# 380

Delta R.T. 0.00 min

Lab File: BE100604.D

Acq: 8 Oct 2019 12:21

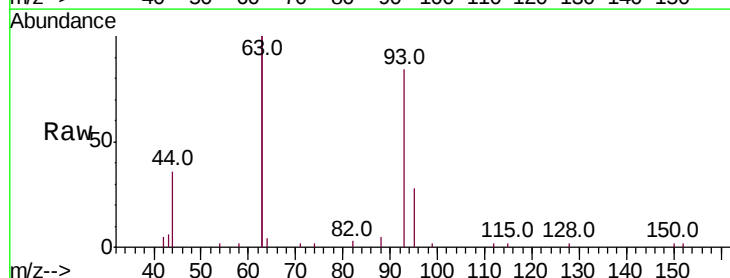
Tgt Ion: 93 Resp: 4485

Ion Ratio Lower Upper

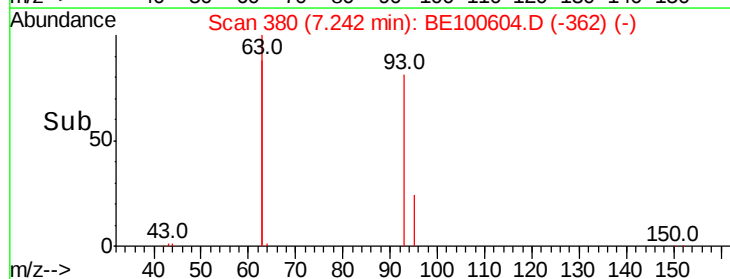
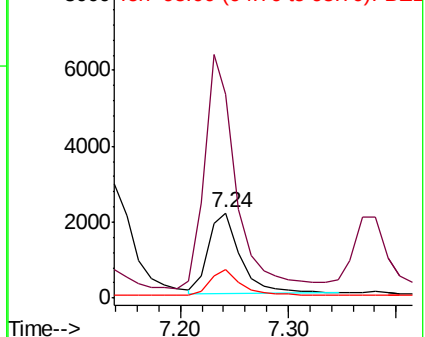
93 100

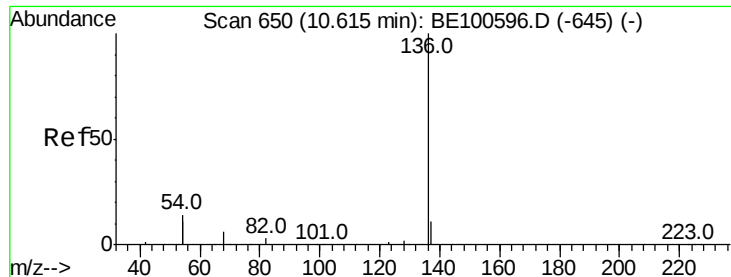
63 278.0 221.0 331.4

95 32.3 25.4 38.0



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: 10.61 min Scan# 650

Delta R.T. 0.01 min

Lab File: BE100604.D

Acq: 8 Oct 2019 12:21

Instrument :

BNA_E

ClientSampleId :

Tot Ion:136 Resp: 17407

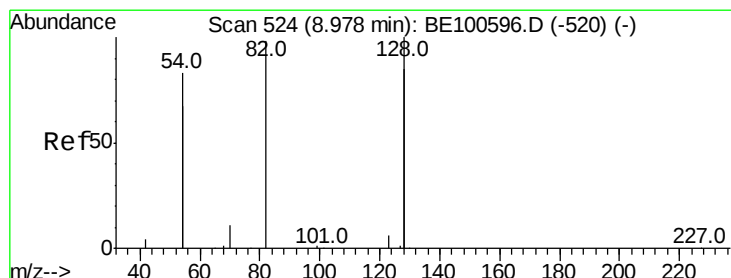
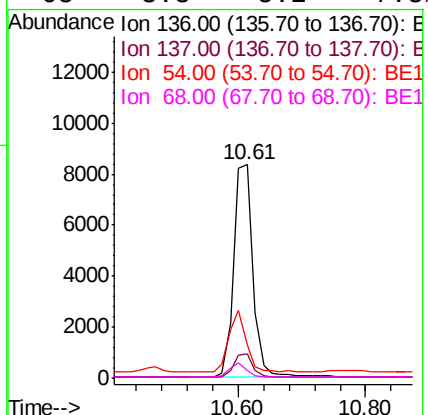
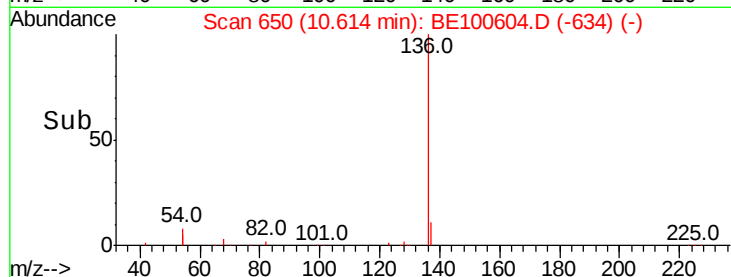
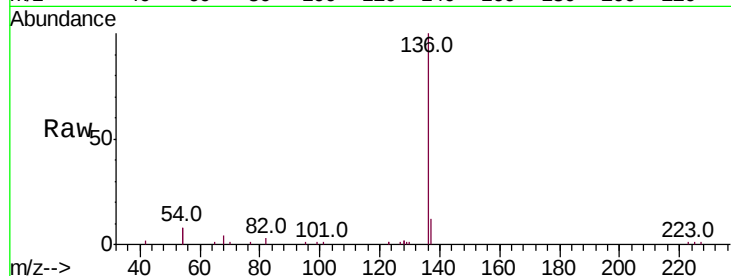
Ion Ratio Lower Upper

136 100

137 11.5 9.1 13.7

54 15.7 22.4 33.6#

68 3.8 5.2 7.8#



#8

Nitrobenzene-d5

Concen: 0.352 ng

RT: 8.96 min Scan# 523

Delta R.T. -0.00 min

Lab File: BE100604.D

Acq: 8 Oct 2019 12:21

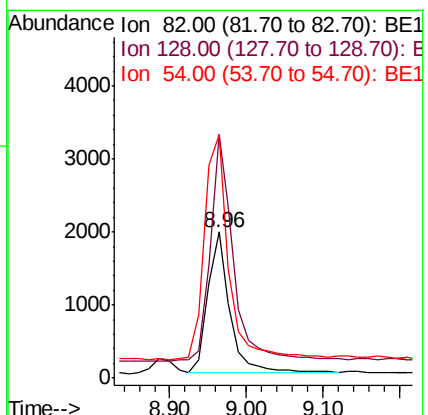
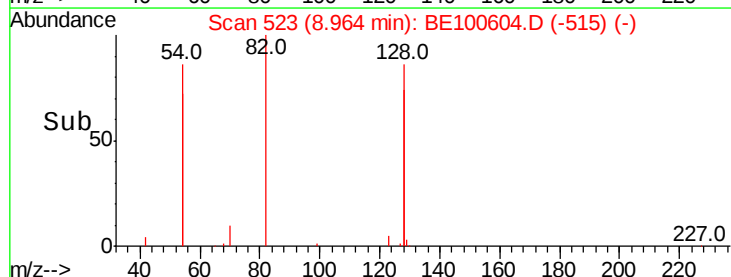
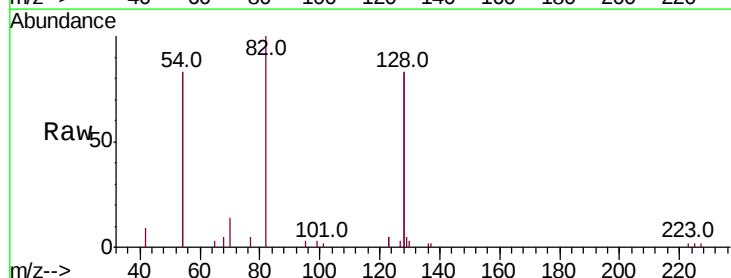
Tgt Ion: 82 Resp: 3829

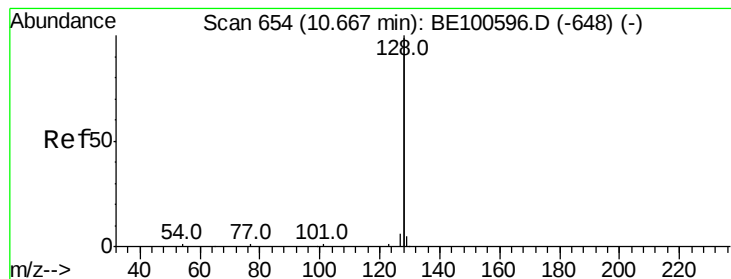
Ion Ratio Lower Upper

82 100

128 166.9 154.7 232.1

54 166.5 128.5 192.7





#9

Naphthalene

Concen: 0.393 ng

RT: 10.65 min Scan# 653

Delta R.T. -0.00 min

Lab File: BE100604.D

Acq: 8 Oct 2019 12:21

Instrument :

BNA_E

ClientSampled :

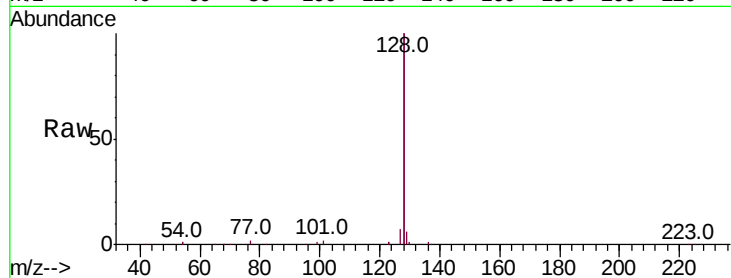
Tot Ion:128 Resp: 70483

Ion Ratio Lower Upper

128 100

129 2.9 2.2 3.4

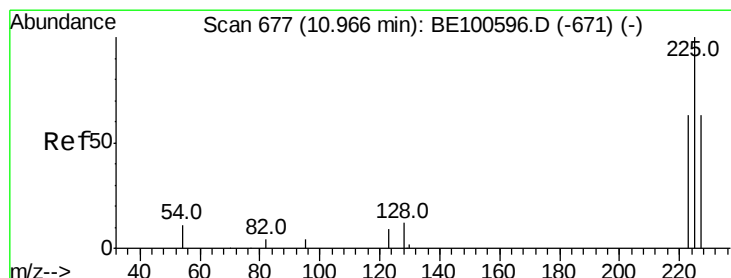
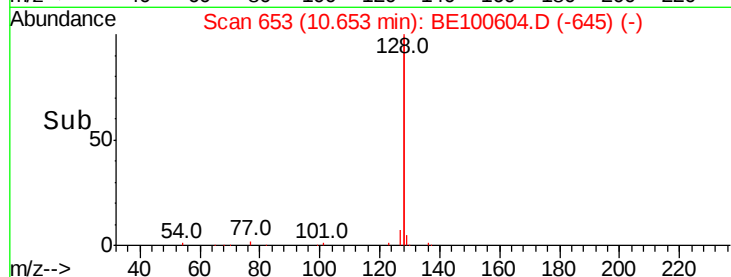
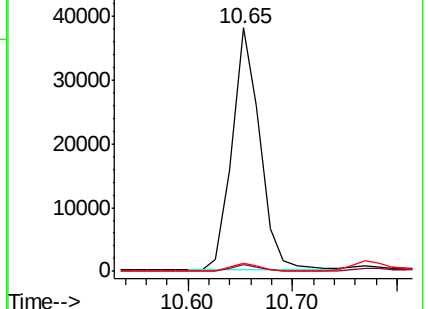
127 3.4 2.6 4.0



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: 0.388 ng

RT: 10.95 min Scan# 676

Delta R.T. -0.00 min

Lab File: BE100604.D

Acq: 8 Oct 2019 12:21

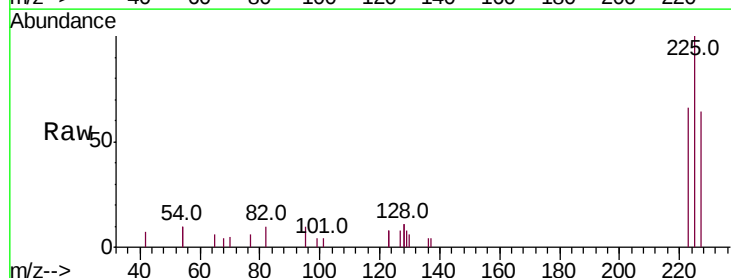
Tgt Ion:225 Resp: 2250

Ion Ratio Lower Upper

225 100

223 64.3 49.8 74.8

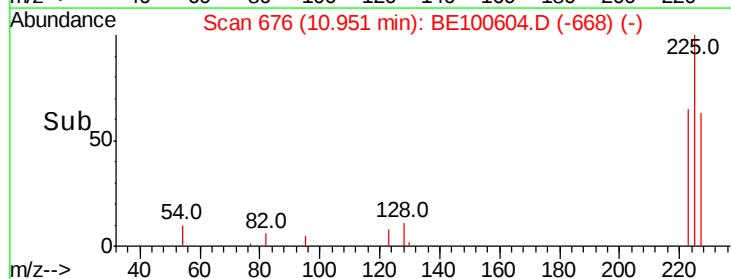
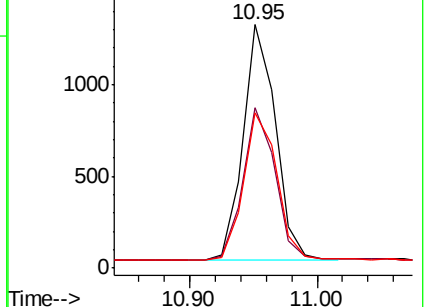
227 64.5 50.1 75.1

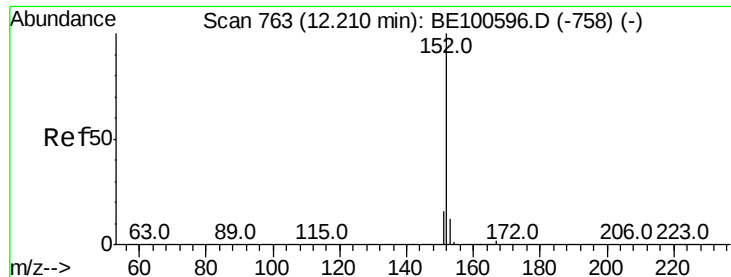


Abundance Ion 225.00 (224.70 to 225.70): E

Ion 223.00 (222.70 to 223.70): E

Ion 227.00 (226.70 to 227.70): E

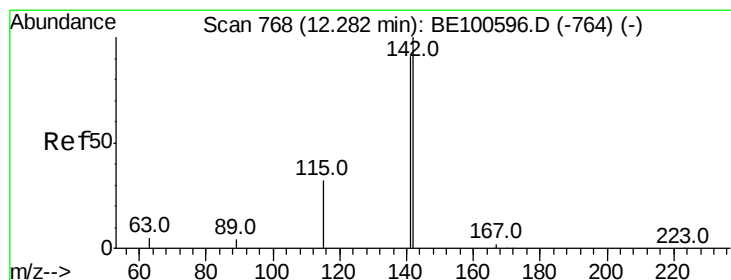
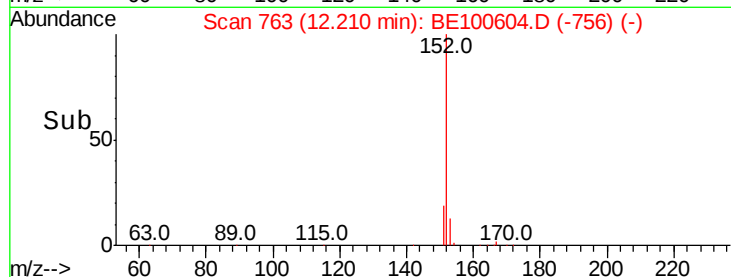
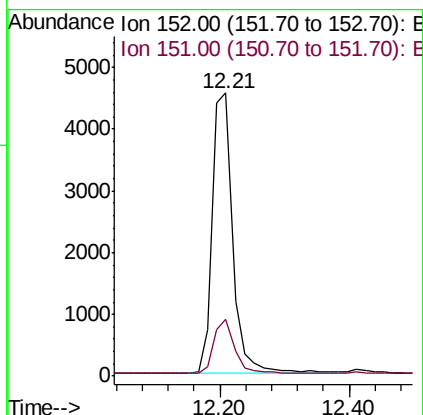
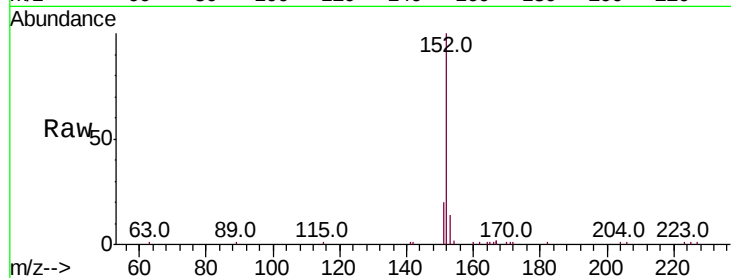




#11
 2-Methylnaphthalene-d10
 Concen: 0.384 ng
 RT: 12.21 min Scan# 763
 Delta R.T. 0.00 min
 Lab File: BE100604.D
 Acq: 8 Oct 2019 12:21

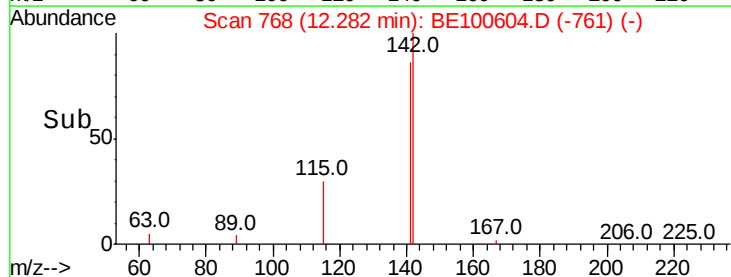
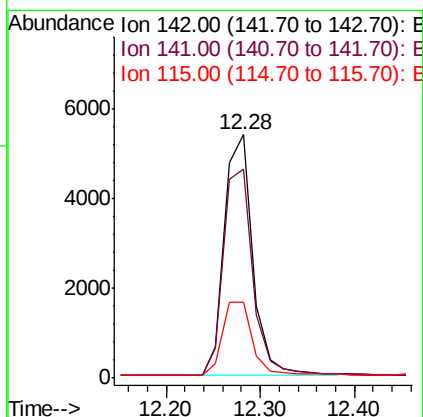
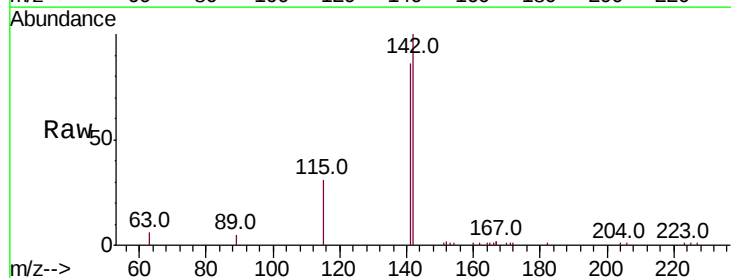
Instrument :
 BNA_E
 ClientSampleId :

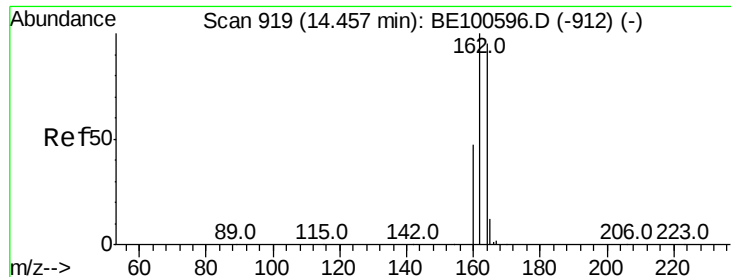
Tot Ion:152 Resp: 10000
 Ion Ratio Lower Upper
 152 100
 151 19.5 15.2 22.8



#12
 2-Methylnaphthalene
 Concen: 0.384 ng
 RT: 12.28 min Scan# 768
 Delta R.T. 0.00 min
 Lab File: BE100604.D
 Acq: 8 Oct 2019 12:21

Tgt Ion:142 Resp: 11339
 Ion Ratio Lower Upper
 142 100
 141 85.7 72.6 108.8
 115 31.0 26.6 40.0

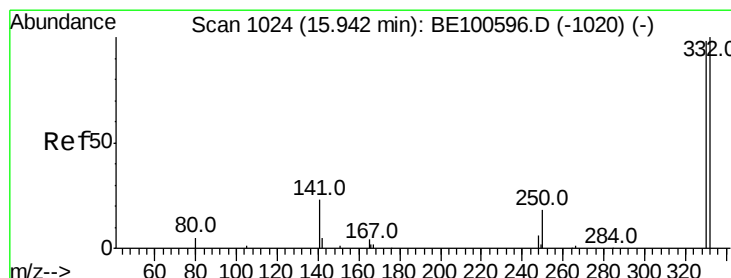
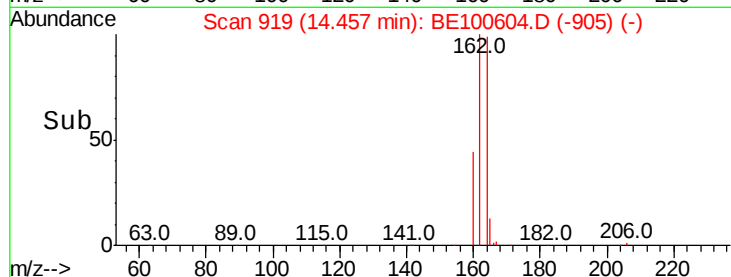
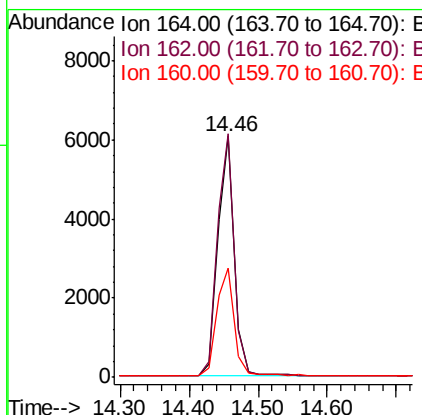
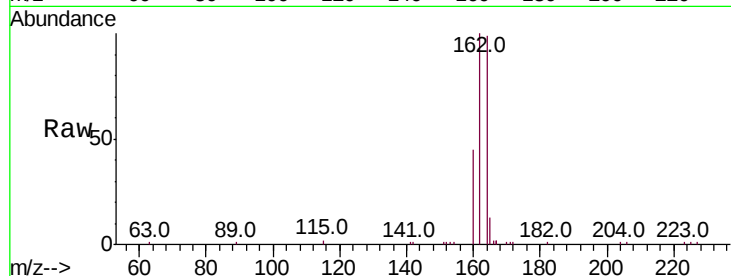




#13
 Acenaphthene-d10
 Concen: 0.400 ng
 RT: 14.46 min Scan# 919
 Delta R.T. 0.00 min
 Lab File: BE100604.D
 Acq: 8 Oct 2019 12:21

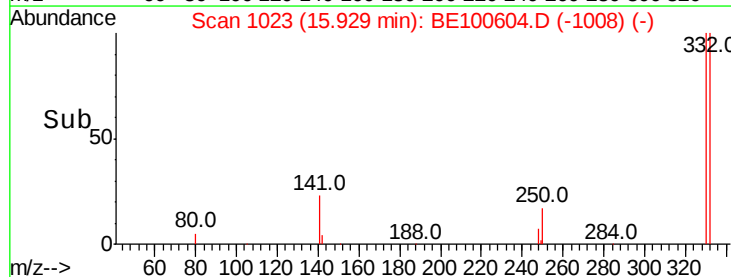
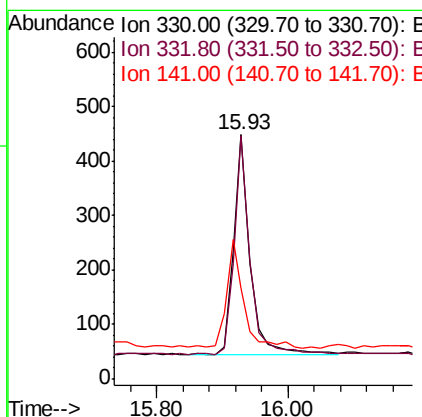
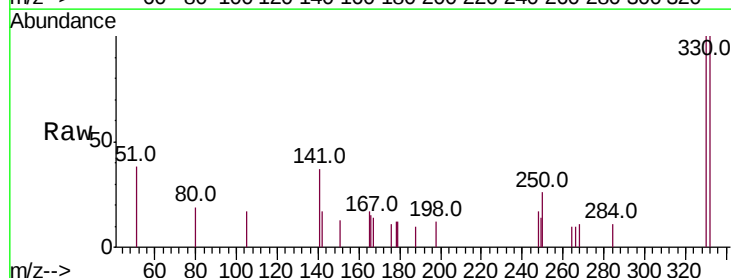
Instrument :
 BNA_E
 ClientSampleId :

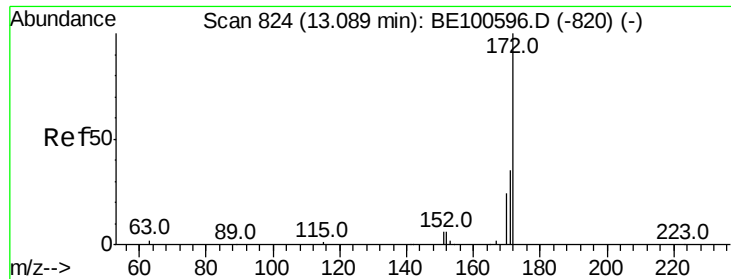
Tot Ion:164 Resp: 10080
 Ion Ratio Lower Upper
 164 100
 162 101.3 84.2 126.4
 160 45.2 40.2 60.4



#14
 2,4,6-Tribromophenol
 Concen: 0.316 ng
 RT: 15.93 min Scan# 1023
 Delta R.T. -0.00 min
 Lab File: BE100604.D
 Acq: 8 Oct 2019 12:21

Tgt Ion:330 Resp: 727
 Ion Ratio Lower Upper
 330 100
 332 95.2 78.5 117.7
 141 50.2 39.4 59.0

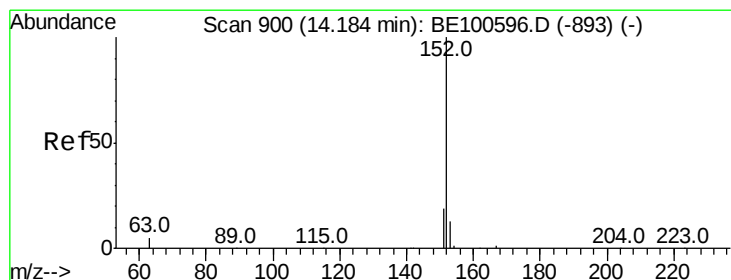
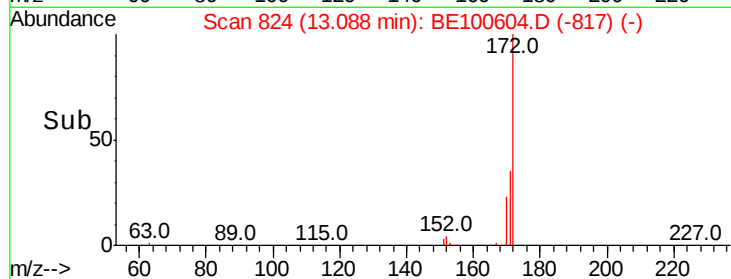
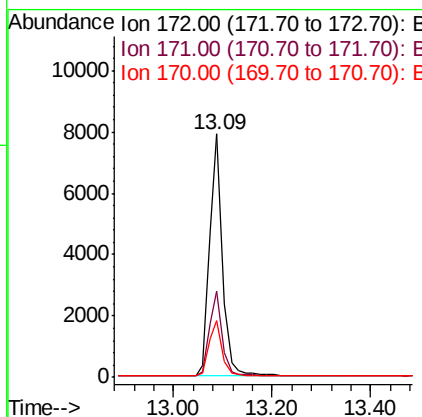
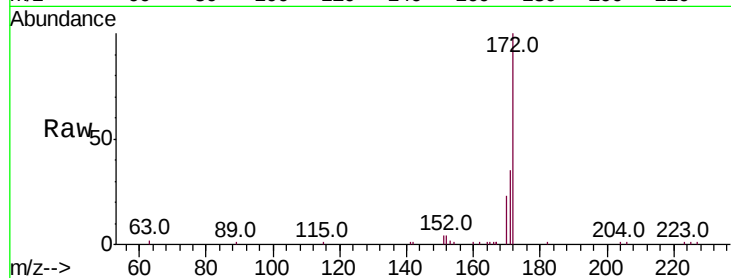




#15
2-Fluorobiphenyl
Concen: 0.388 ng
RT: 13.09 min Scan# 824
Delta R.T. 0.00 min
Lab File: BE100604.D
Acq: 8 Oct 2019 12:21

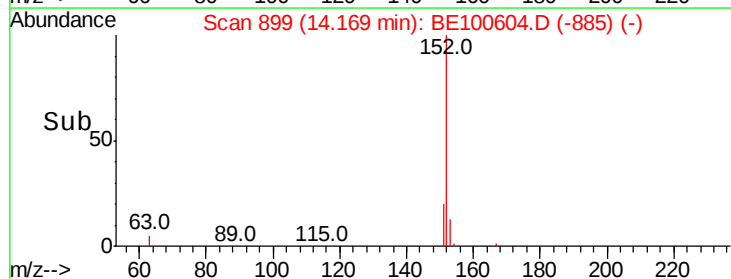
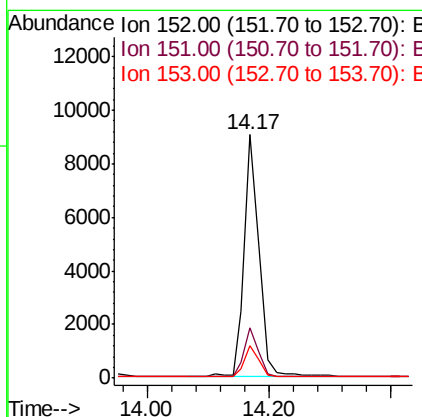
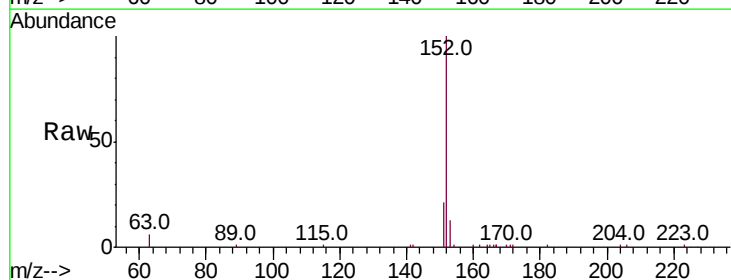
Instrument :
BNA_E
ClientSampleId :

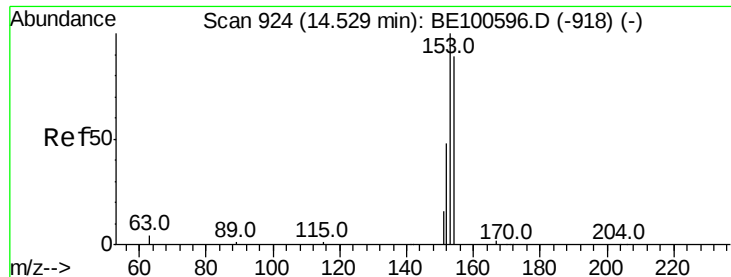
Tot Ion:172 Resp: 14199
Ion Ratio Lower Upper
172 100
171 35.3 28.7 43.1
170 23.1 19.8 29.8



#16
Acenaphthylene
Concen: 0.360 ng
RT: 14.17 min Scan# 899
Delta R.T. 0.00 min
Lab File: BE100604.D
Acq: 8 Oct 2019 12:21

Tgt Ion:152 Resp: 15420
Ion Ratio Lower Upper
152 100
151 20.0 15.5 23.3
153 12.8 10.4 15.6





#17

Acenaphthene

Concen: 0.382 ng

RT: 14.51 min Scan# 923

Delta R.T. 0.00 min

Lab File: BE100604.D

Acq: 8 Oct 2019 12:21

Instrument :

BNA_E

ClientSampleId :

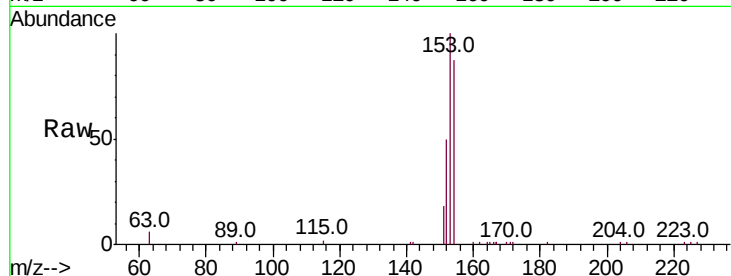
Tot Ion:154 Resp: 10948

Ion Ratio Lower Upper

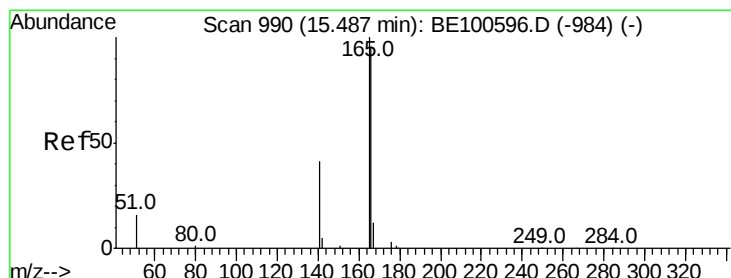
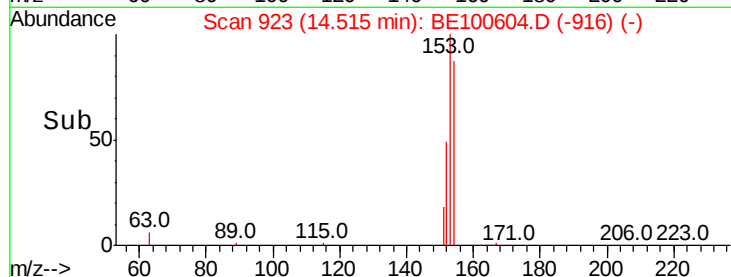
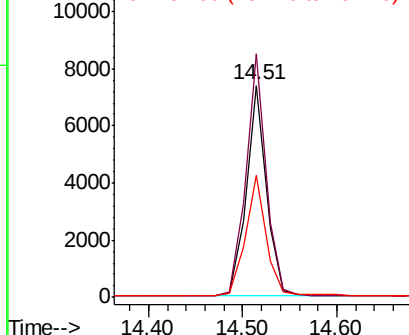
154 100

153 116.4 92.3 138.5

152 58.1 46.2 69.2



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: 0.379 ng

RT: 15.49 min Scan# 990

Delta R.T. -0.00 min

Lab File: BE100604.D

Acq: 8 Oct 2019 12:21

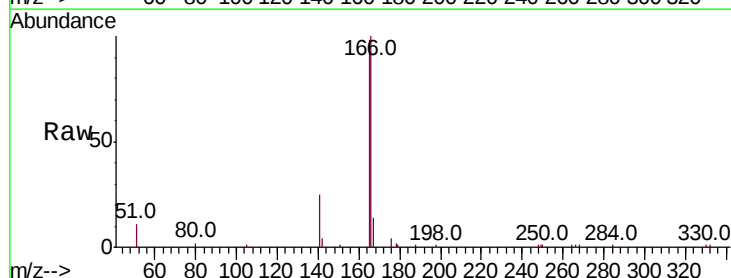
Tgt Ion:166 Resp: 13885

Ion Ratio Lower Upper

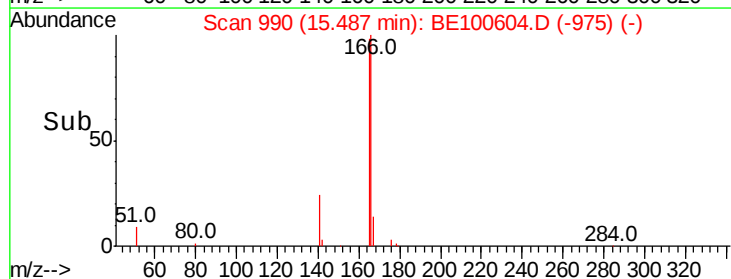
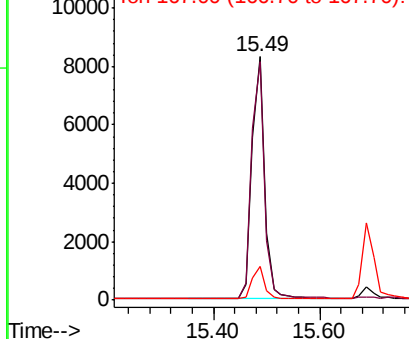
166 100

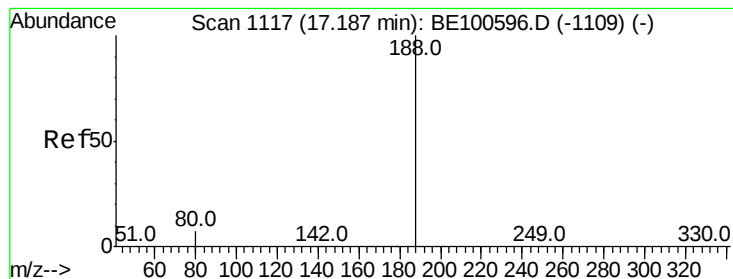
165 99.9 80.4 120.6

167 13.1 10.6 15.8



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: 17.17 min Scan# 1116

Delta R.T. -0.00 min

Lab File: BE100604.D

Acq: 8 Oct 2019 12:21

Instrument :

BNA_E

ClientSampleId :

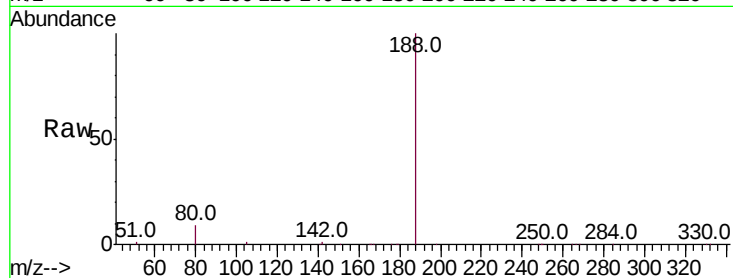
Tot Ion:188 Resp: 22915

Ion Ratio Lower Upper

188 100

94 0.0 0.0 0.0

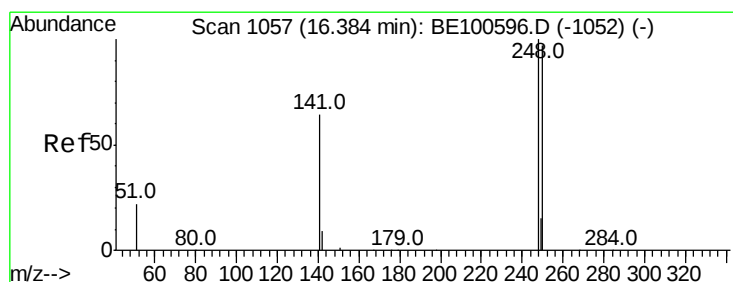
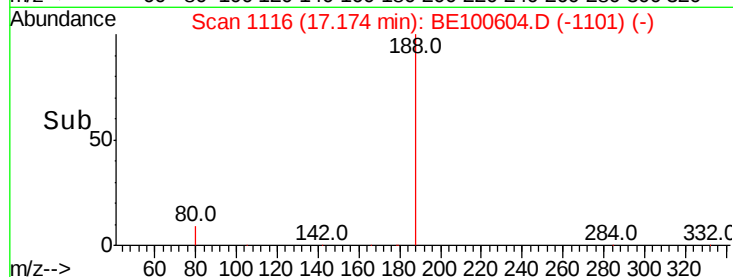
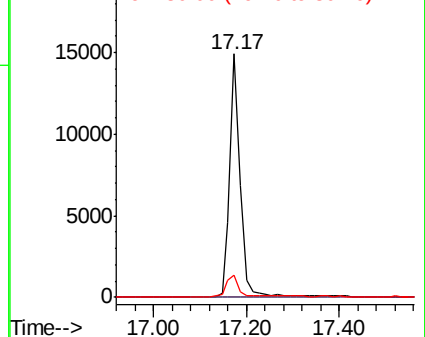
80 9.0 6.2 9.2



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: 0.368 ng

RT: 16.37 min Scan# 1056

Delta R.T. -0.00 min

Lab File: BE100604.D

Acq: 8 Oct 2019 12:21

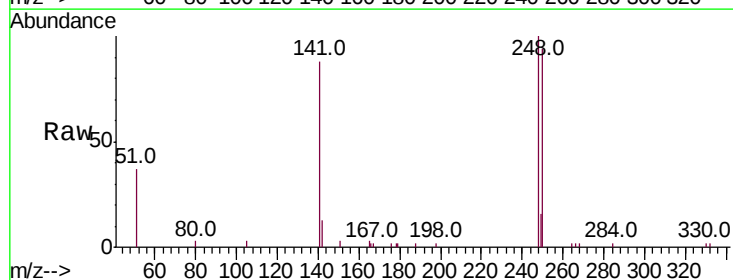
Tgt Ion:248 Resp: 4181

Ion Ratio Lower Upper

248 100

250 94.0 77.4 116.0

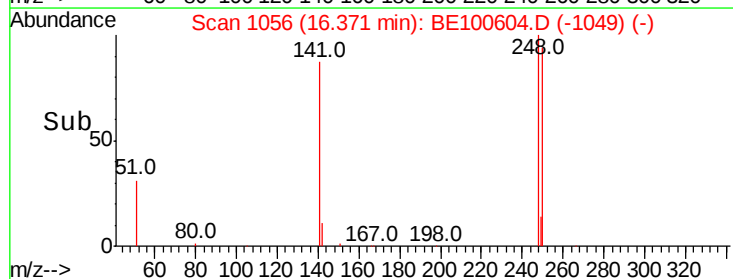
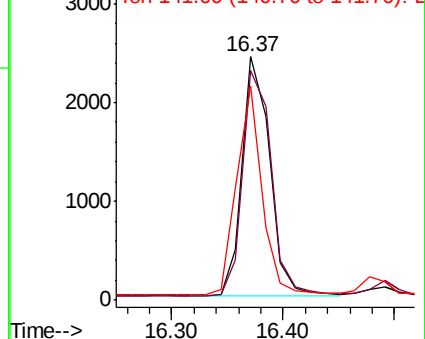
141 87.9 52.1 78.1#

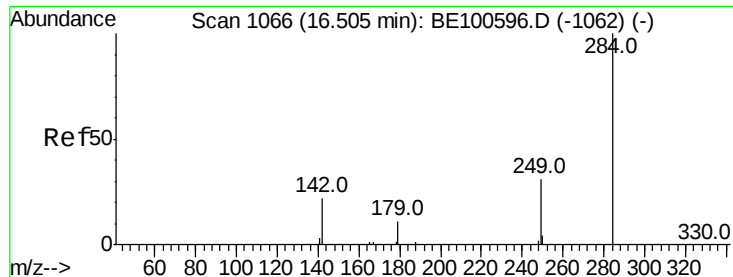


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E





#21

Hexachlorobenzene

Concen: 0.387 ng

RT: 16.49 min Scan# 1065

Delta R.T. -0.00 min

Lab File: BE100604.D

Acq: 8 Oct 2019 12:21

Instrument :

BNA_E

ClientSampleId :

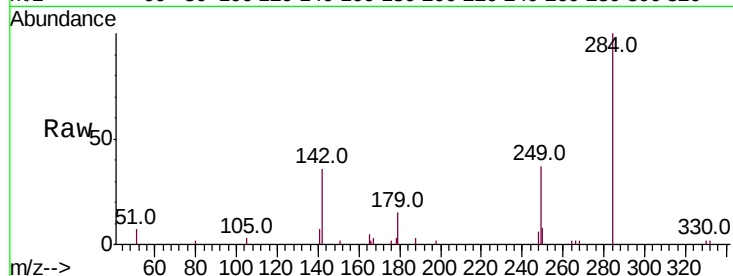
Tot Ion:284 Resp: 3697

Ion Ratio Lower Upper

284 100

142 45.9 35.1 52.7

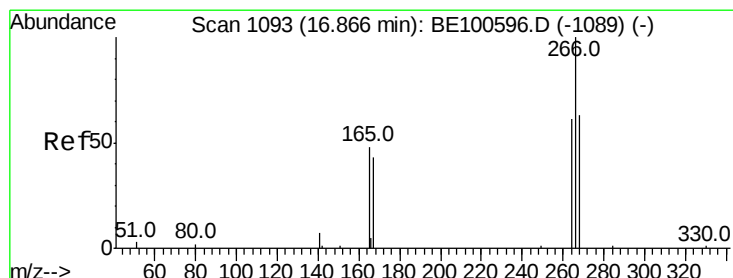
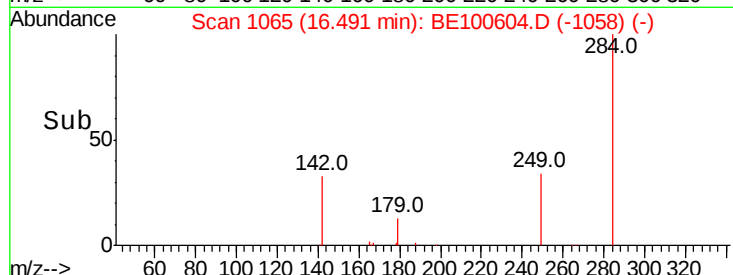
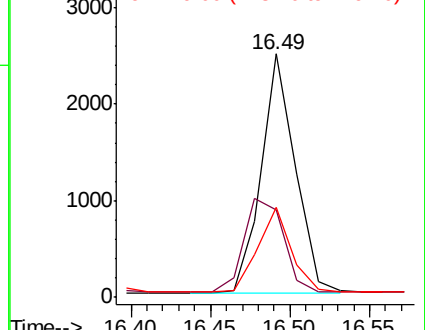
249 34.4 27.2 40.8



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: 0.453 ng

RT: 16.84 min Scan# 1091

Delta R.T. -0.01 min

Lab File: BE100604.D

Acq: 8 Oct 2019 12:21

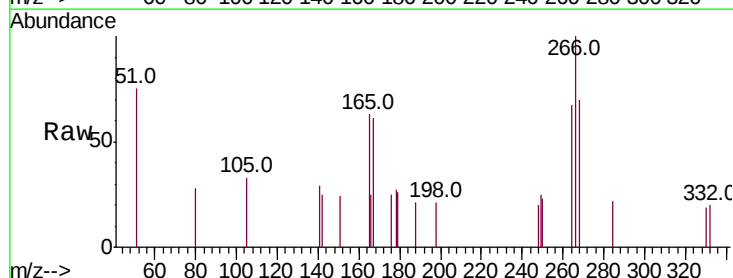
Tgt Ion:266 Resp: 504

Ion Ratio Lower Upper

266 100

264 66.8 56.3 84.5

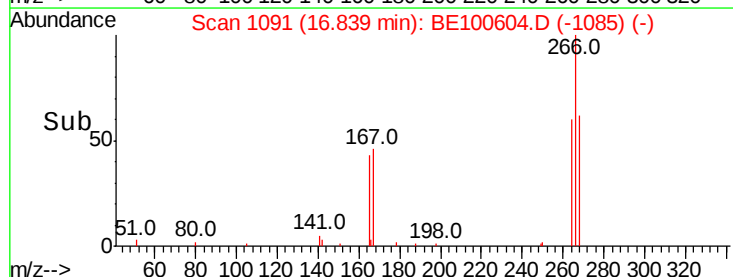
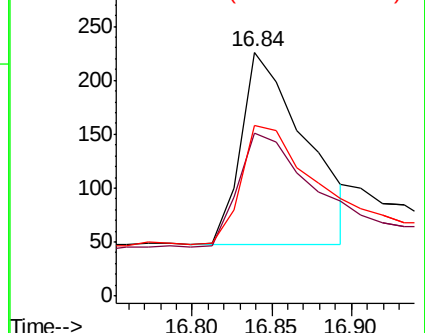
268 69.9 60.3 90.5

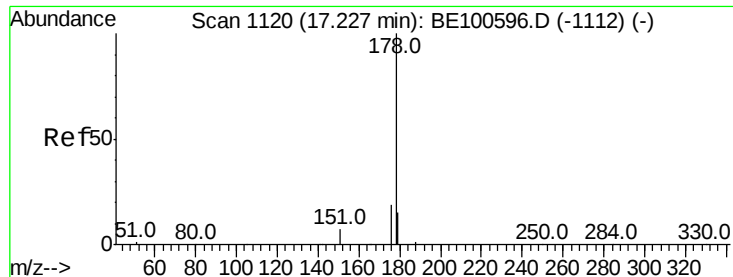


Abundance Ion 266.00 (265.70 to 266.70): E

Ion 264.00 (263.70 to 264.70): E

Ion 268.00 (267.70 to 268.70): E





#23

Phenanthrene

Concen: 0.399 ng

RT: 17.21 min Scan# 1119

Delta R.T. -0.00 min

Lab File: BE100604.D

Acq: 8 Oct 2019 12:21

Instrument :

BNA_E

ClientSampled :

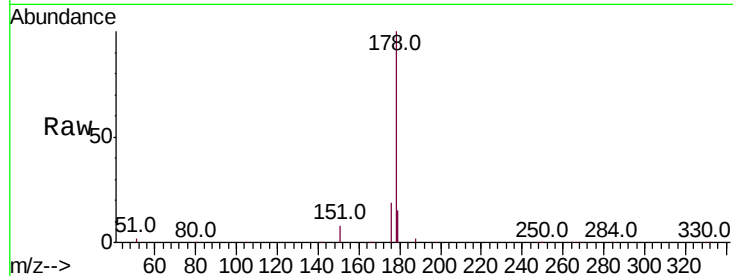
Tot Ion:178 Resp: 26002

Ion Ratio Lower Upper

178 100

176 19.0 15.4 23.2

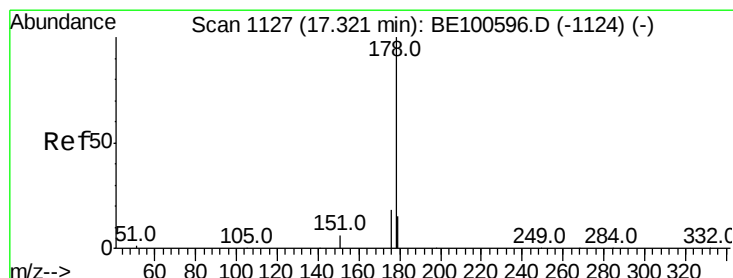
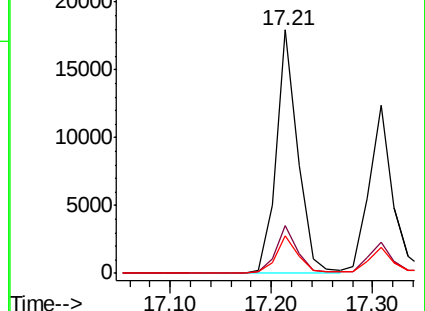
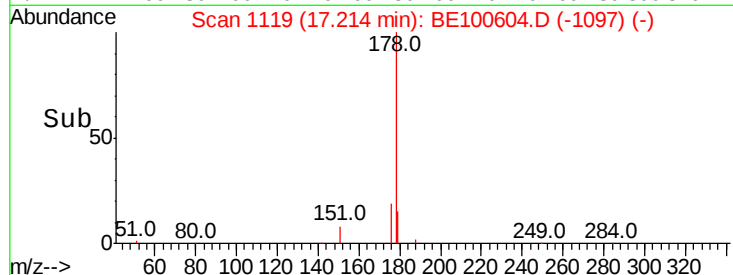
179 15.3 12.3 18.5



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: 0.345 ng

RT: 17.31 min Scan# 1126

Delta R.T. -0.00 min

Lab File: BE100604.D

Acq: 8 Oct 2019 12:21

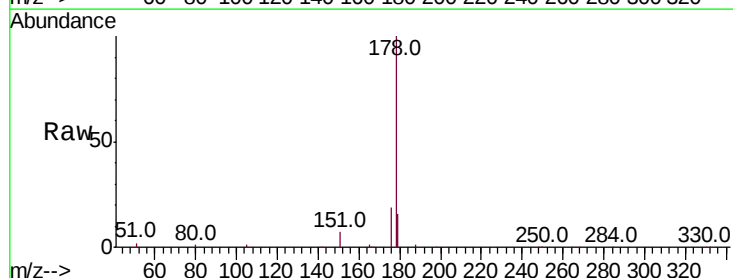
Tgt Ion:178 Resp: 19384

Ion Ratio Lower Upper

178 100

176 18.5 14.7 22.1

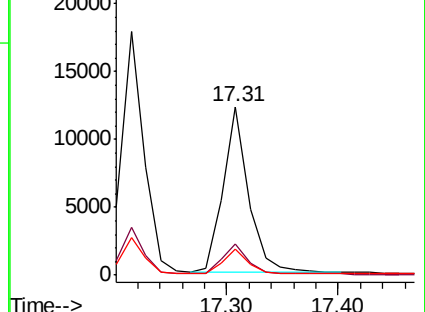
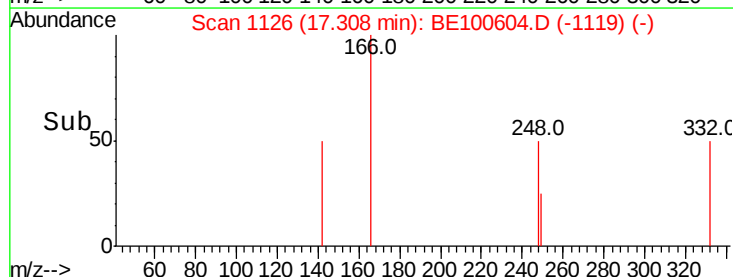
179 15.4 12.2 18.4

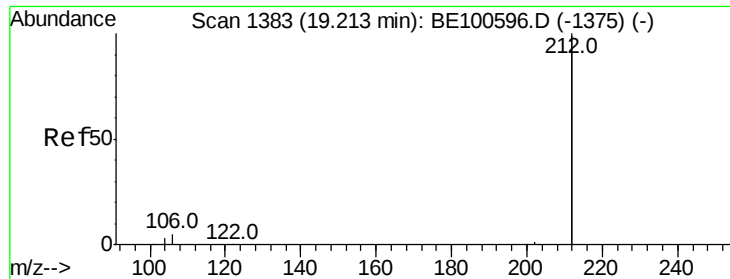


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#25

Fluoranthene-d10

Concen: 0.366 ng

RT: 19.20 min Scan# 1380

Delta R.T. 0.00 min

Lab File: BE100604.D

Acq: 8 Oct 2019 12:21

Instrument :

BNA_E

ClientSampleId :

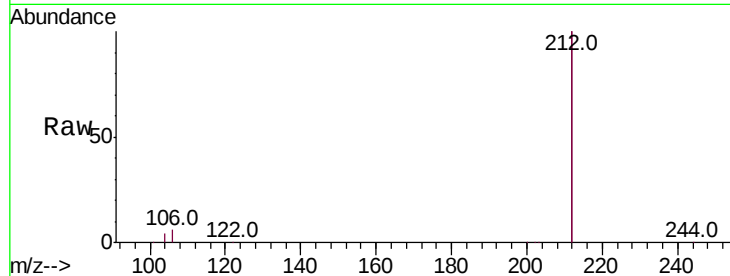
Tot Ion:212 Resp: 103500

Ion Ratio Lower Upper

212 100

106 2.9 2.3 3.5

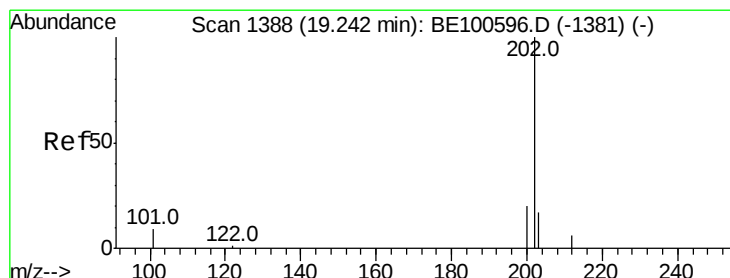
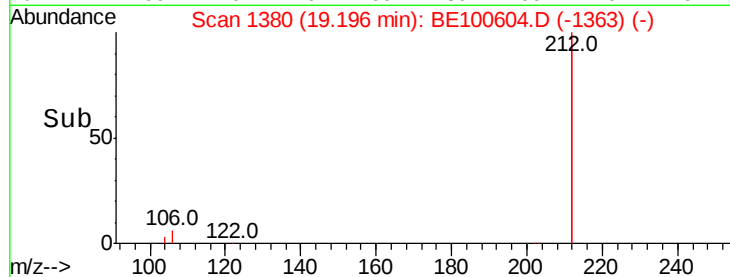
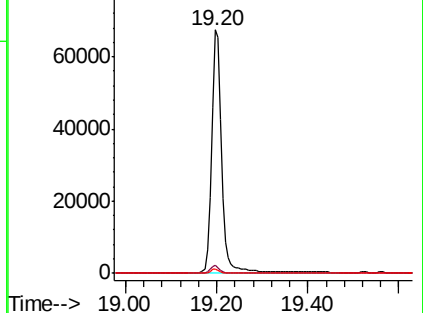
104 1.6 1.3 1.9



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: 0.379 ng

RT: 19.22 min Scan# 1385

Delta R.T. -0.01 min

Lab File: BE100604.D

Acq: 8 Oct 2019 12:21

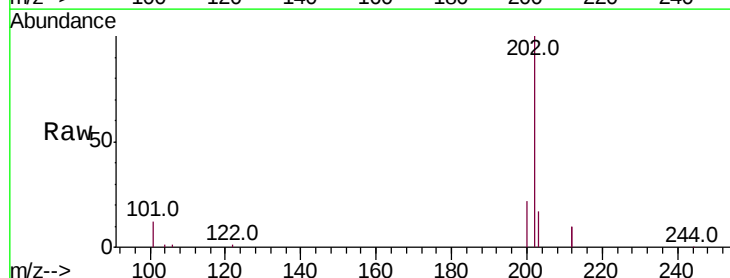
Tgt Ion:202 Resp: 30450

Ion Ratio Lower Upper

202 100

101 10.8 8.6 12.8

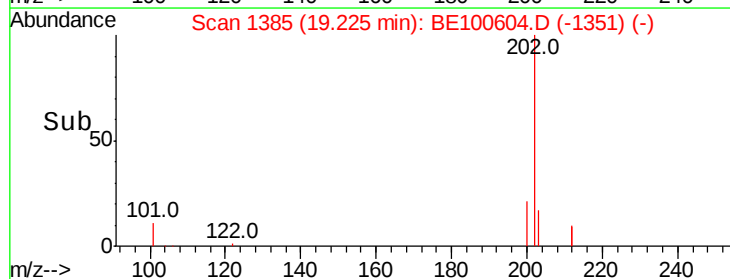
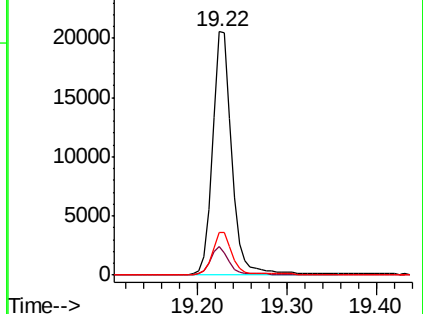
203 17.1 13.8 20.6

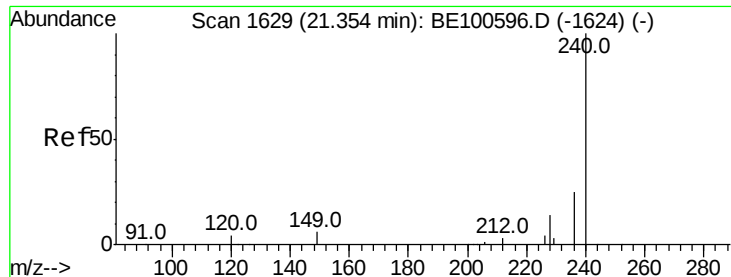


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E

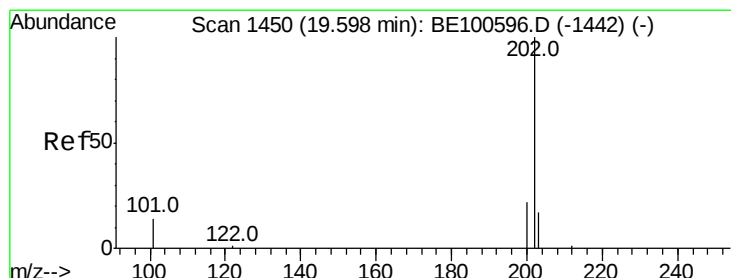
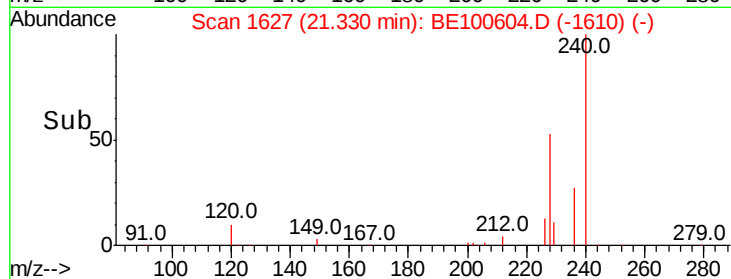
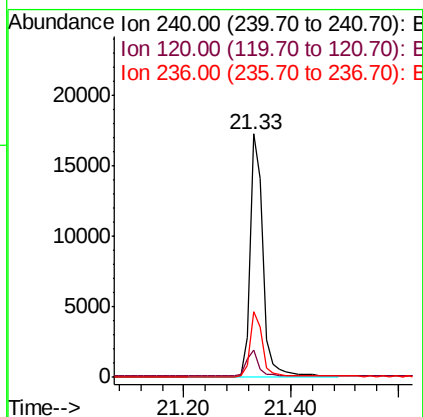
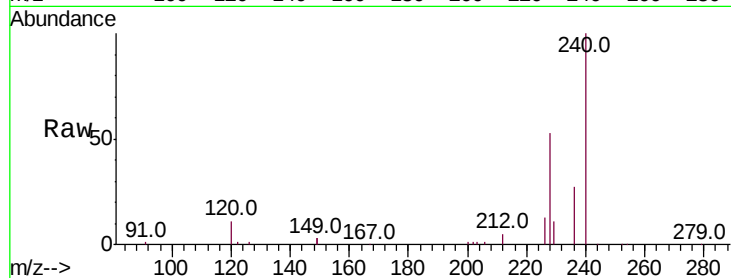




#27
Chrysene-d12
Concen: 0.400 ng
RT: 21.33 min Scan# 1627
Delta R.T. -0.00 min
Lab File: BE100604.D
Acq: 8 Oct 2019 12:21

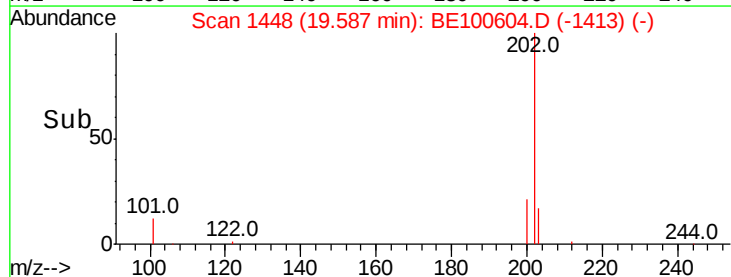
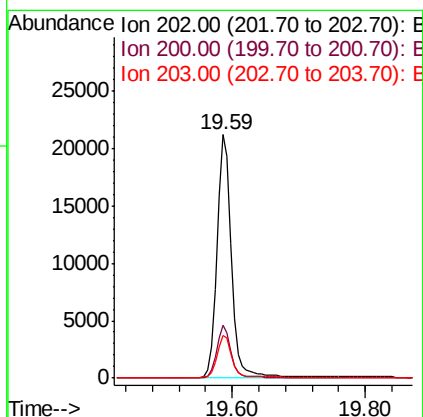
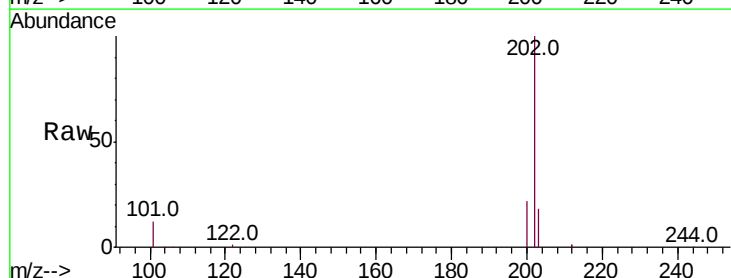
Instrument :
BNA_E
ClientSampleId :

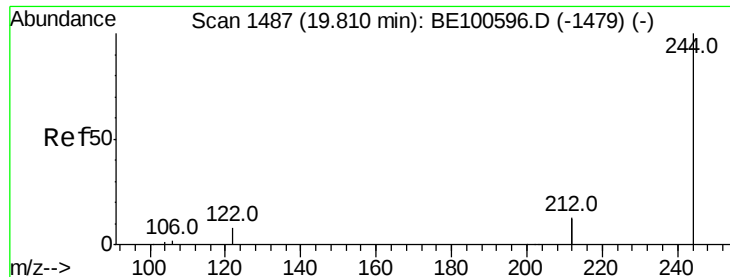
Tot Ion:240 Resp: 28775
Ion Ratio Lower Upper
240 100
120 11.0 3.6 5.4#
236 27.1 20.5 30.7



#28
Pyrene
Concen: 0.426 ng
RT: 19.59 min Scan# 1448
Delta R.T. 0.00 min
Lab File: BE100604.D
Acq: 8 Oct 2019 12:21

Tgt Ion:202 Resp: 31390
Ion Ratio Lower Upper
202 100
200 21.0 16.8 25.2
203 17.8 14.1 21.1





#29

Terphenyl-d14

Concen: 0.409 ng

RT: 19.79 min Scan# 1484

Delta R.T. -0.01 min

Lab File: BE100604.D

Acq: 8 Oct 2019 12:21

Instrument :

BNA_E

ClientSampleId :

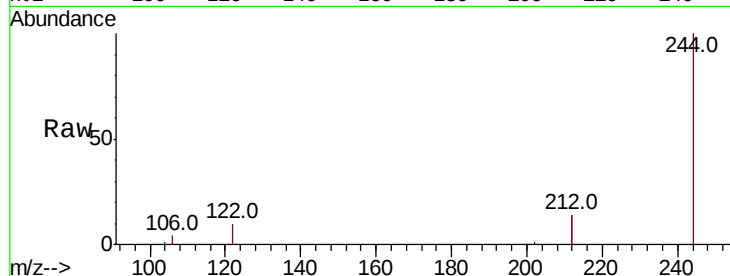
Tot Ion:244 Resp: 26027

Ion Ratio Lower Upper

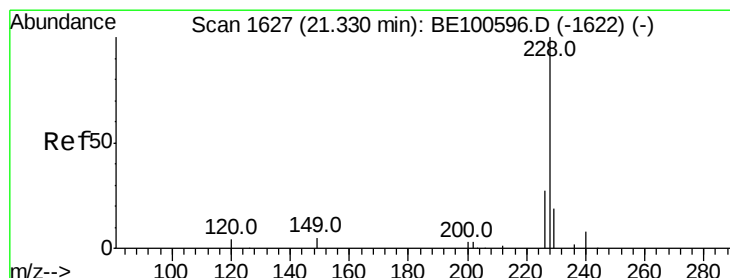
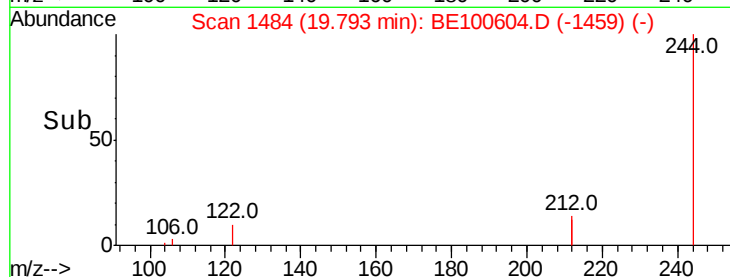
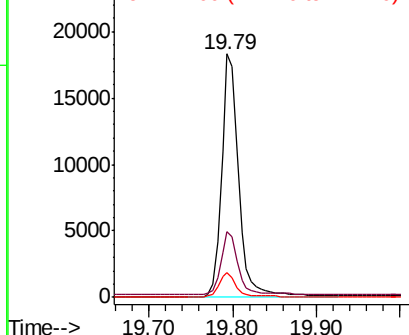
244 100

212 27.1 20.6 31.0

122 10.1 6.5 9.7#



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: 0.358 ng

RT: 21.32 min Scan# 1626

Delta R.T. -0.00 min

Lab File: BE100604.D

Acq: 8 Oct 2019 12:21

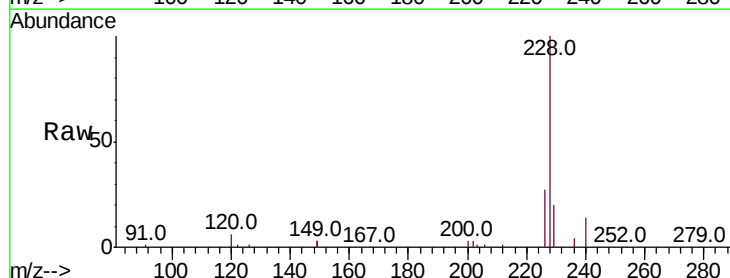
Tgt Ion:228 Resp: 28775

Ion Ratio Lower Upper

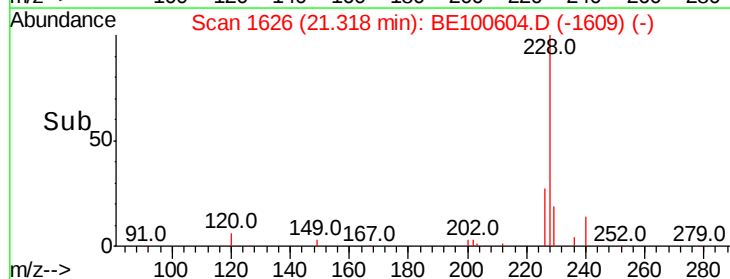
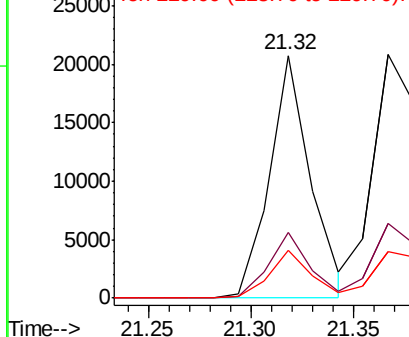
228 100

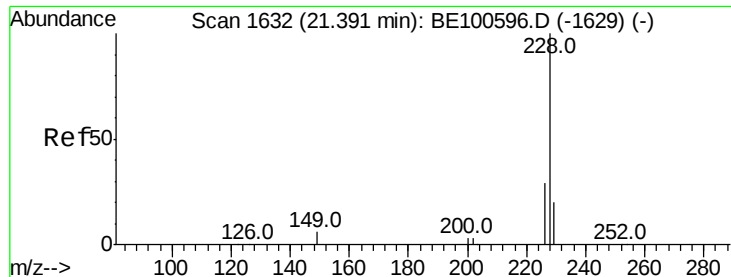
226 27.0 21.5 32.3

229 19.7 15.6 23.4



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: 0.395 ng

RT: 21.37 min Scan# 1630

Delta R.T. -0.00 min

Lab File: BE100604.D

Acq: 8 Oct 2019 12:21

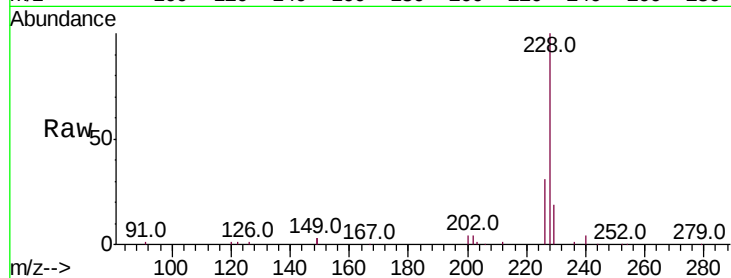
Instrument :

BNA_E

ClientSampleId :

Tot Ion:228 Resp: 33971

Ion	Ratio	Lower	Upper
228	100		
226	30.5	22.7	34.1
229	19.1	16.3	24.5

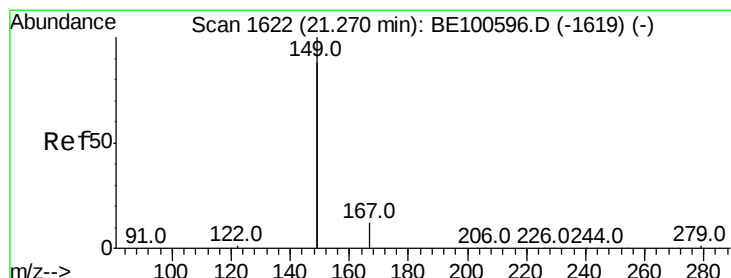
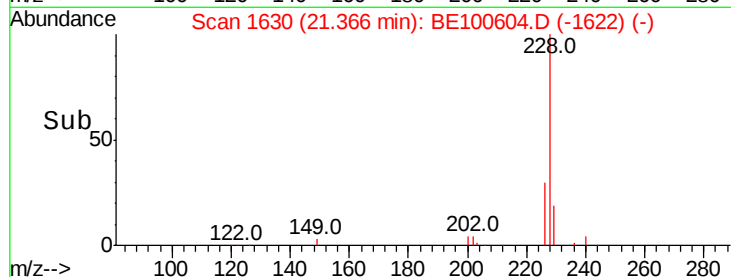
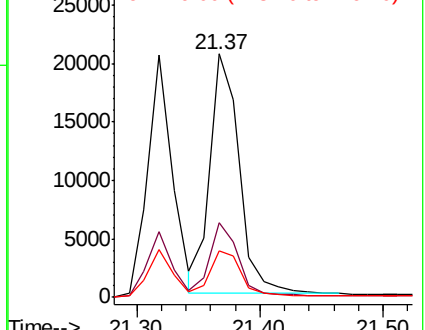


Abundance

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: 0.221 ng

RT: 21.26 min Scan# 1621

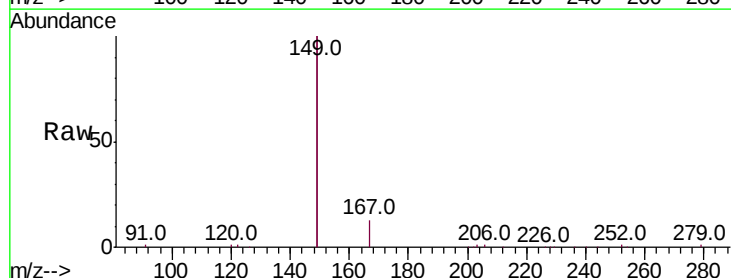
Delta R.T. -0.00 min

Lab File: BE100604.D

Acq: 8 Oct 2019 12:21

Tgt Ion:149 Resp: 33937

Ion	Ratio	Lower	Upper
149	100		
167	6.6	5.4	8.0
279	1.1	0.9	1.3

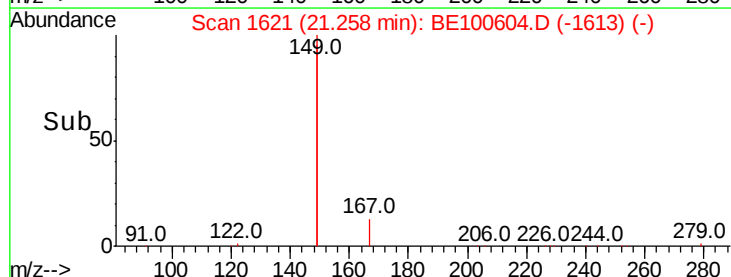
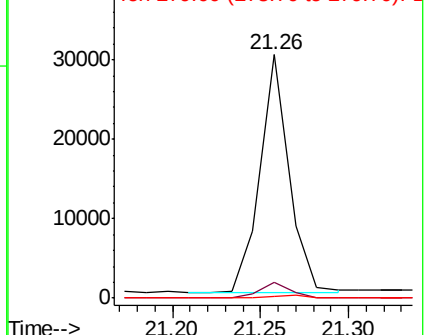


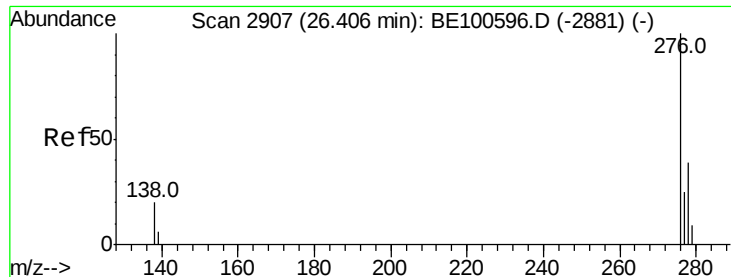
Abundance

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

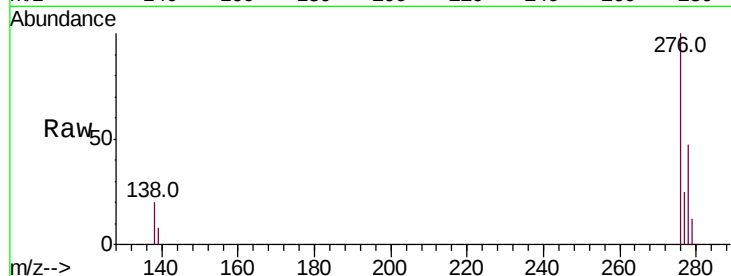




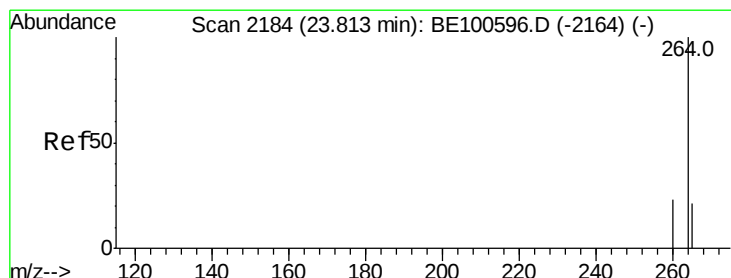
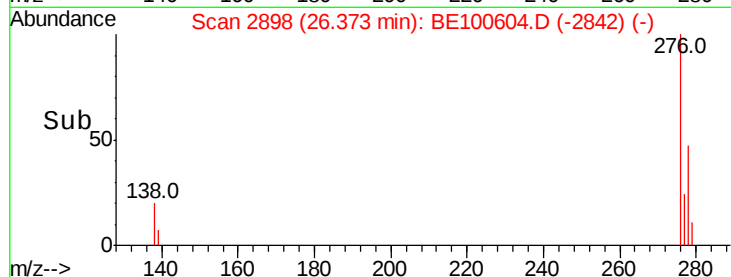
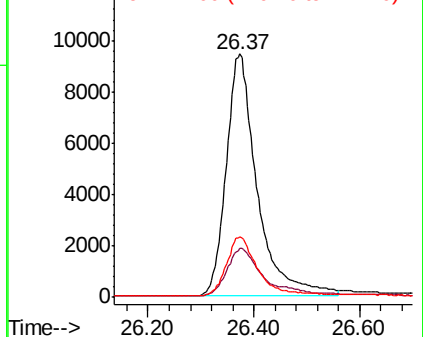
#33
 Indeno(1,2,3-cd)pyrene
 Concen: 0.379 ng
 RT: 26.37 min Scan# 2898
 Delta R.T. -0.00 min
 Lab File: BE100604.D
 Acq: 8 Oct 2019 12:21

Instrument :
 BNA_E
 ClientSampleId :

Tot Ion:276 Resp: 38382
 Ion Ratio Lower Upper
 276 100
 138 23.0 17.8 26.8
 277 24.8 19.8 29.8

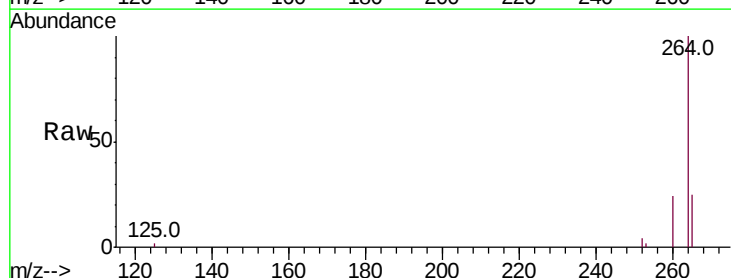


Abundance Ion 276.00 (275.70 to 276.70): E
 Ion 138.00 (137.70 to 138.70): E
 Ion 277.00 (276.70 to 277.70): E

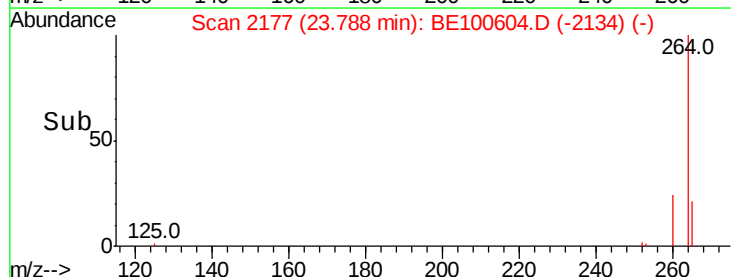
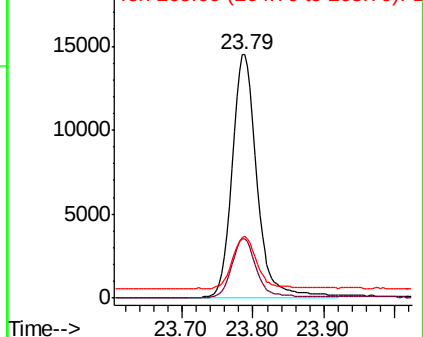


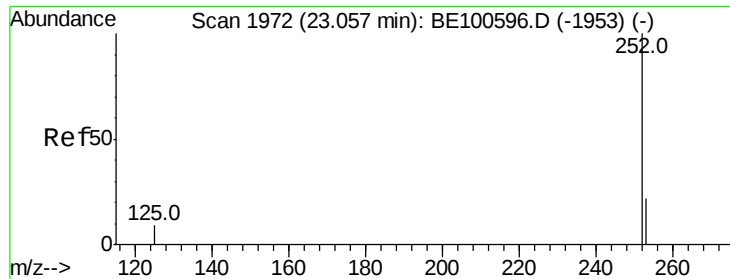
#34
 Perylene-d12
 Concen: 0.400 ng
 RT: 23.79 min Scan# 2177
 Delta R.T. 0.00 min
 Lab File: BE100604.D
 Acq: 8 Oct 2019 12:21

Tgt Ion:264 Resp: 34674
 Ion Ratio Lower Upper
 264 100
 260 24.1 19.0 28.4
 265 25.2 20.9 31.3



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

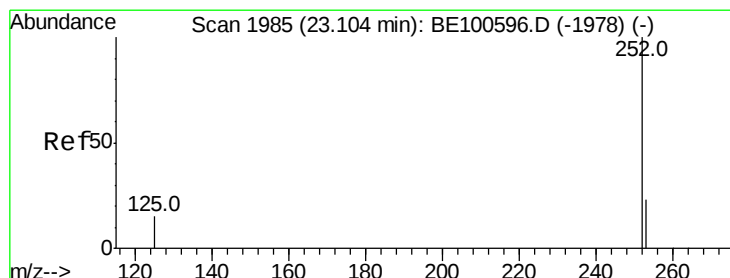
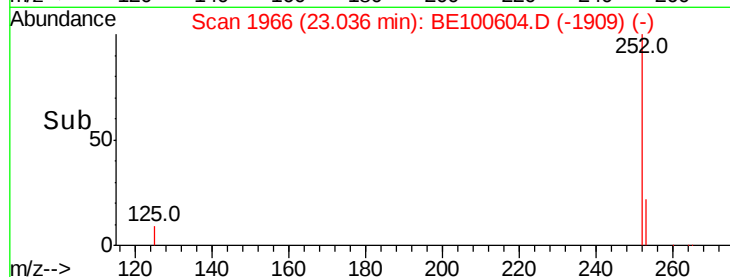
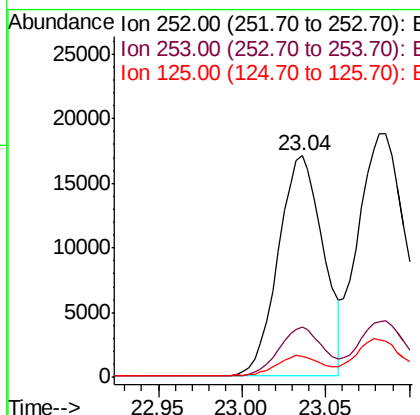
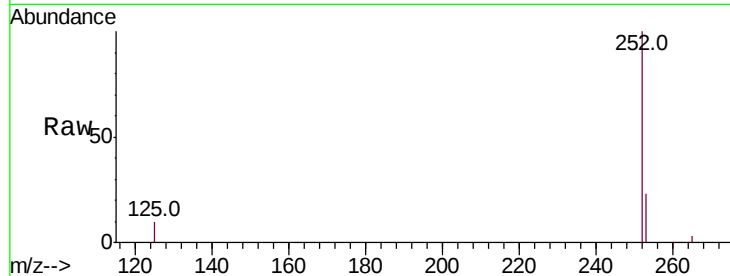




#35
Benzo(b)fluoranthene
Concen: 0.339 ng
RT: 23.04 min Scan# 1966
Delta R.T. 0.00 min
Lab File: BE100604.D
Acq: 8 Oct 2019 12:21

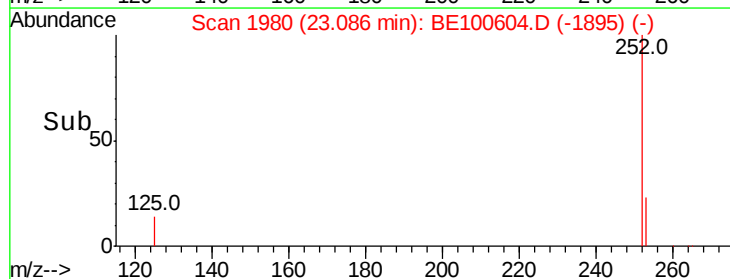
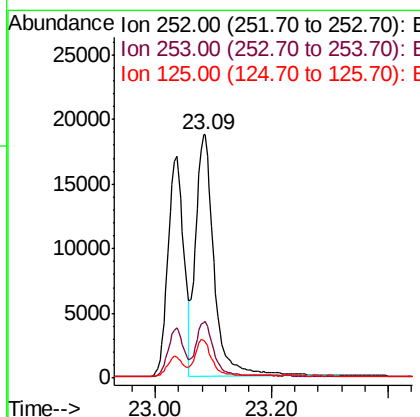
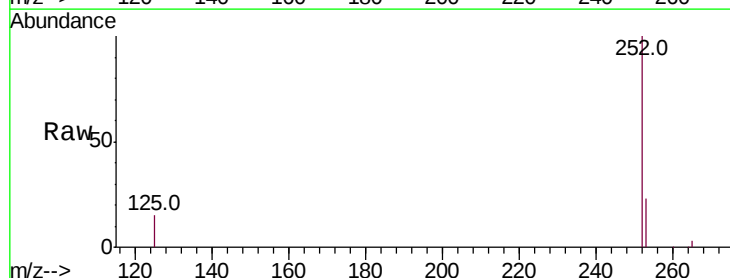
Instrument :
BNA_E
ClientSampleId :

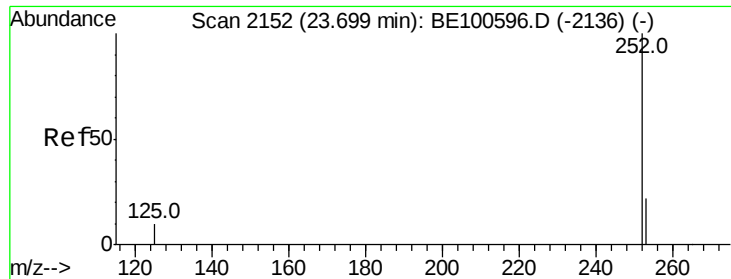
Tot Ion:252 Resp: 31884
Ion Ratio Lower Upper
252 100
253 22.5 18.1 27.1
125 9.7 7.9 11.9



#36
Benzo(k)fluoranthene
Concen: 0.388 ng
RT: 23.09 min Scan# 1980
Delta R.T. 0.00 min
Lab File: BE100604.D
Acq: 8 Oct 2019 12:21

Tgt Ion:252 Resp: 41460
Ion Ratio Lower Upper
252 100
253 23.1 18.6 28.0
125 14.7 11.4 17.0

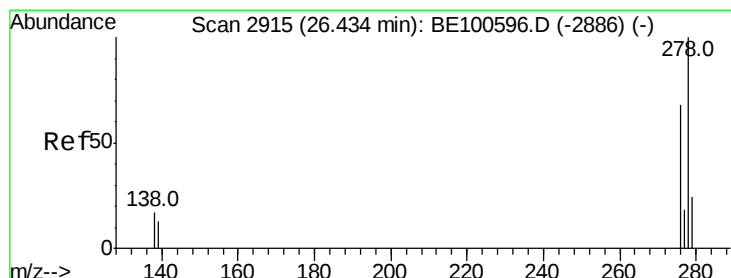
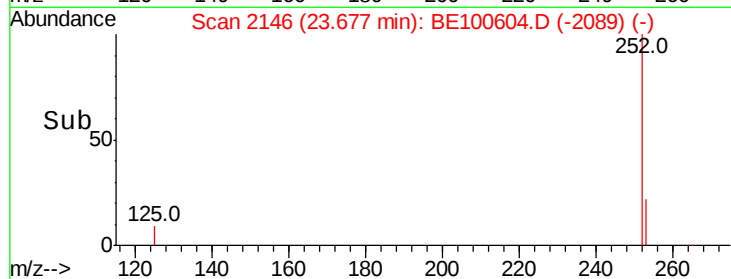
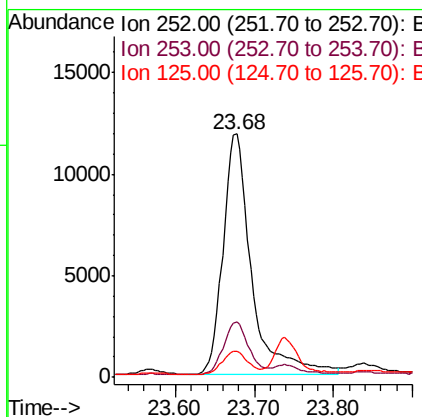
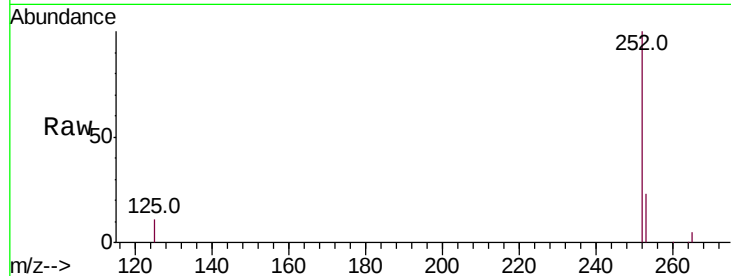




#37
Benzo(a)pyrene
Concen: 0.344 ng
RT: 23.68 min Scan# 2146
Delta R.T. 0.00 min
Lab File: BE100604.D
Acq: 8 Oct 2019 12:21

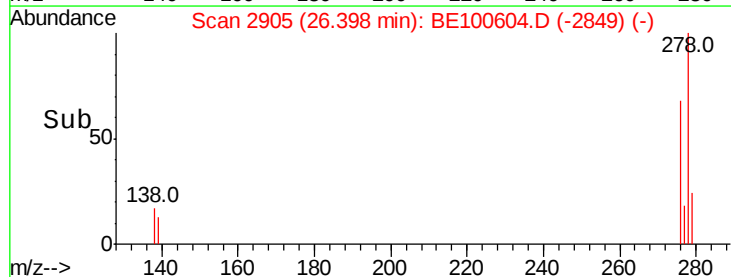
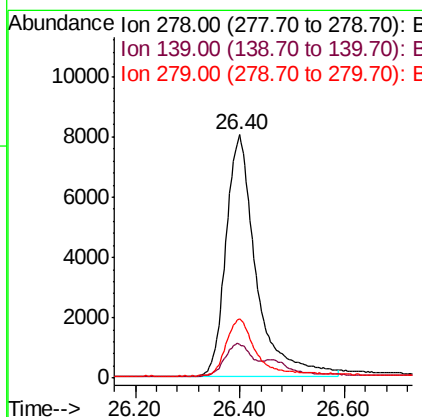
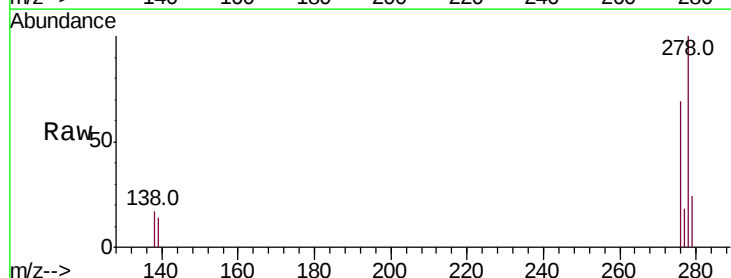
Instrument :
BNA_E
ClientSampleId :

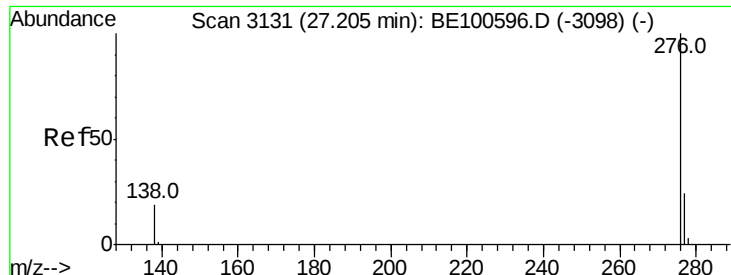
Tot Ion:252 Resp: 29708
Ion Ratio Lower Upper
252 100
253 22.7 18.5 27.7
125 10.6 8.8 13.2



#38
Dibenzo(a,h)anthracene
Concen: 0.354 ng
RT: 26.40 min Scan# 2905
Delta R.T. -0.00 min
Lab File: BE100604.D
Acq: 8 Oct 2019 12:21

Tgt Ion:278 Resp: 32136
Ion Ratio Lower Upper
278 100
139 13.6 11.0 16.4
279 24.4 19.7 29.5





#39

Benzo(a,h,i)perylene

Concen: 0.364 ng

RT: 27.17 min Scan# 3120

Delta R.T. -0.00 min

Lab File: BE100604.D

Acq: 8 Oct 2019 12:21

Instrument :

BNA_E

ClientSampleId :

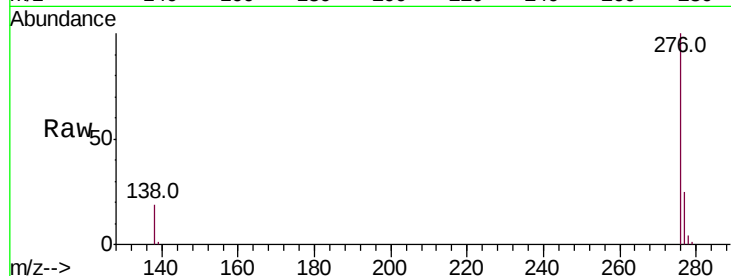
Tot Ion:276 Resp: 33408

Ion Ratio Lower Upper

276 100

277 24.5 19.5 29.3

138 19.3 15.6 23.4



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

