

Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE121619\
 Data File : BE100920.D
 Acq On : 16 Dec 2019 15:07
 Operator : JU
 Sample : K6251-14MS
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :

Quant Time: Dec 16 16:48:25 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA E\METHODS\8270-SIM-BE120419.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Dec 13 10:42:38 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.76	152	4149	0.40	ng	0.00
7) Naphthalene-d8	10.54	136	18002	0.40	ng	0.00
13) Acenaphthene-d10	14.38	164	10127	0.40	ng	0.00
19) Phenanthrene-d10	17.12	188	26567	0.40	ng	0.00
27) Chrysene-d12	21.29	240	28364	0.40	ng	-0.01
34) Perylene-d12	23.74	264	33277	0.40	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Fluorophenol	5.36	112	2002	0.20	ng	0.00
5) Phenol-d6	6.93	99	2147	0.14	ng	0.00
8) Nitrobenzene-d5	8.90	82	4909	0.57	ng	0.00
11) 2-Methylnaphthalene-d10	12.12	152	11176	0.43	ng	-0.02
14) 2,4,6-Tribromophenol	15.86	330	926	0.82	ng	-0.01
15) 2-Fluorobiphenyl	13.02	172	13569	0.34	ng	0.00
25) Fluoranthene-d10	19.15	212	133503	0.43	ng	0.00
29) Terphenyl-d14	19.75	244	25451	0.37	ng	0.00

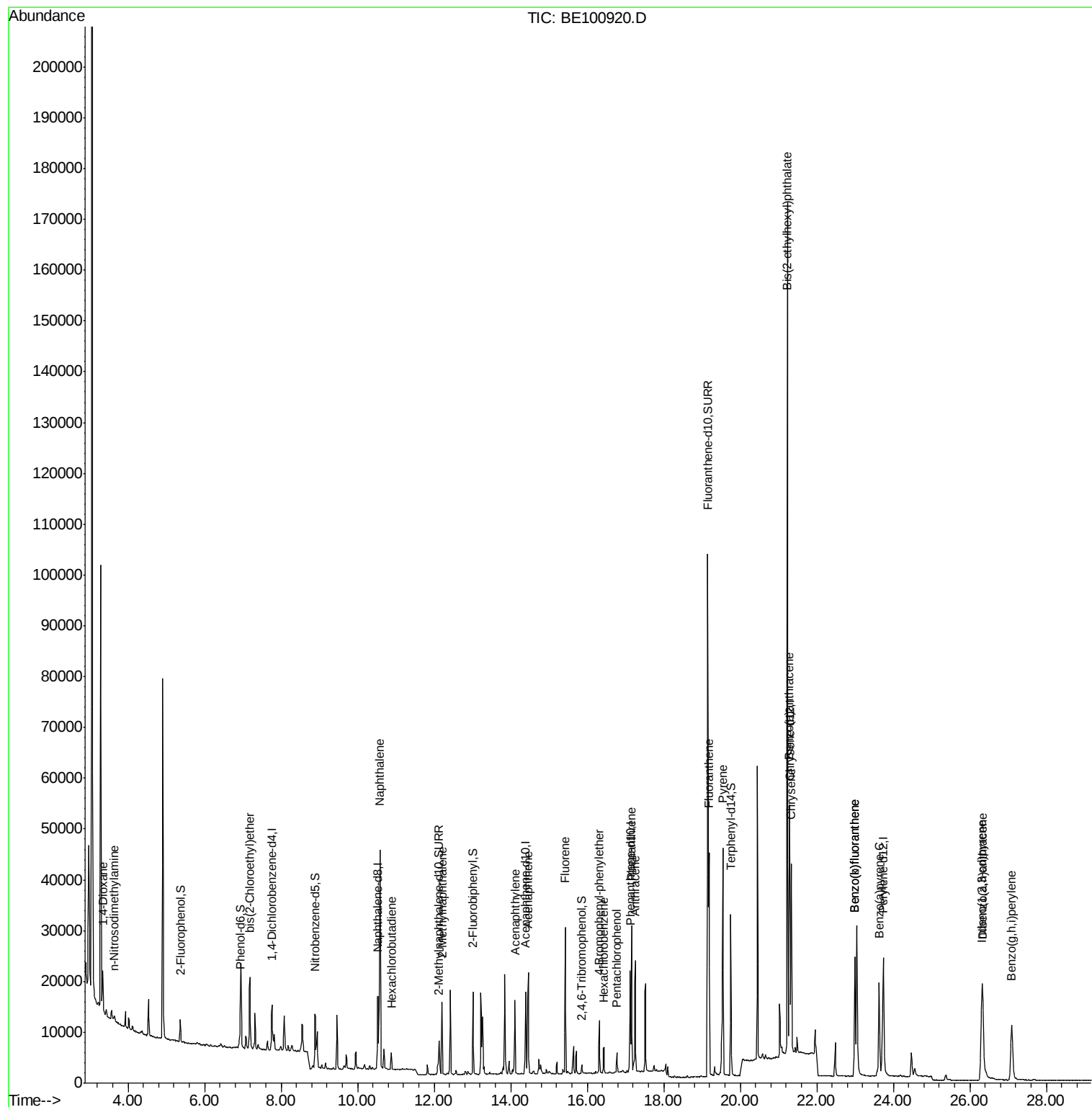
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) 1,4-Dioxane	3.34	88	5113	0.676	ng	# 54
3) n-Nitrosodimethylamine	3.64	42	1406	0.228	ng	# 74
6) bis(2-Chloroethyl)ether	7.18	93	5471	0.381	ng	100
9) Naphthalene	10.57	128	73549	0.384	ng	100
10) Hexachlorobutadiene	10.89	225	2433	0.326	ng	99
12) 2-Methylnaphthalene	12.21	142	11566	0.387	ng	99
16) Acenaphthylene	14.11	152	17028	0.406	ng	99
17) Acenaphthene	14.46	154	10930	0.379	ng	99
18) Fluorene	15.42	166	14804	0.398	ng	98
20) 4-Bromophenyl-phenylether	16.32	248	4413	0.339	ng	91
21) Hexachlorobenzene	16.44	284	4245	0.300	ng	98
22) Pentachlorophenol	16.77	266	2032	2.075	ng	97
23) Phenanthrene	17.16	178	28407	0.353	ng	99
24) Anthracene	17.25	178	25256	0.375	ng	100
26) Fluoranthene	19.18	202	37051	0.386	ng	100
28) Pyrene	19.54	202	39711	0.431	ng	99
30) Benzo(a)anthracene	21.28	228	36227	0.433	ng	99
31) Chrysene	21.33	228	37089	0.378	ng	99
32) Bis(2-ethylhexyl)phthalate	21.23	149	175910	2.107	ng	99
33) Indeno(1,2,3-cd)pyrene	26.31	276	32937	0.385	ng	98
35) Benzo(b)fluoranthene	22.99	252	32231	0.354	ng	98
36) Benzo(k)fluoranthene	22.99	252	32231	0.315	ng	99
37) Benzo(a)pyrene	23.63	252	30190	0.383	ng	97
38) Dibenzo(a,h)anthracene	26.33	278	27029	0.344	ng	99
39) Benzo(g,h,i)perylene	27.09	276	28222	0.336	ng	99

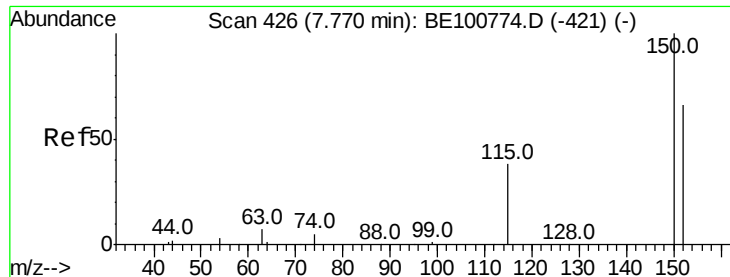
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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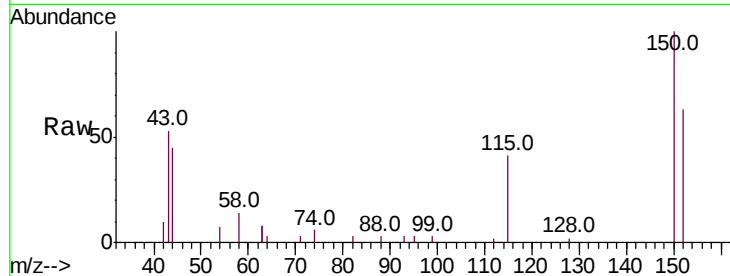


#1

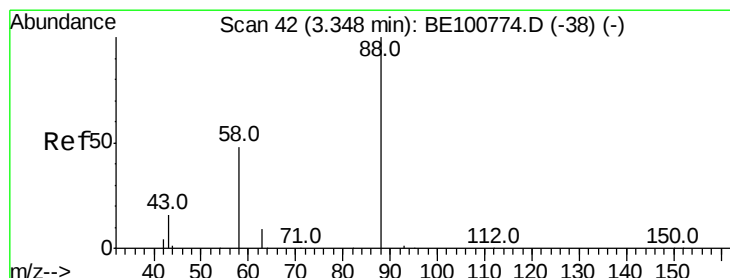
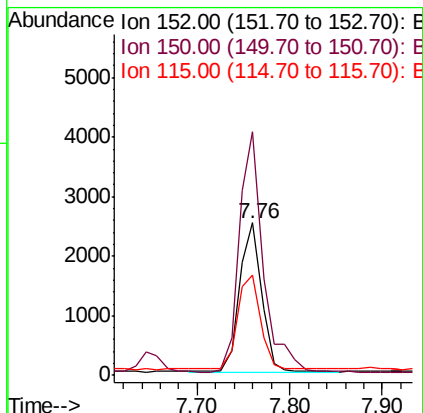
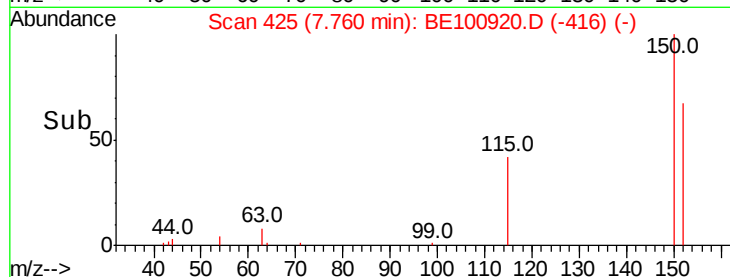
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.76 min Scan# 425
Delta R.T. 0.00 min
Lab File: BE100920.D
Acq: 16 Dec 2019 15:07

Instrument :
BNA_E
ClientSampleId :

Tot Ion:152 Resp: 4149
Ion Ratio Lower Upper
152 100
150 159.6 125.5 188.3
115 65.7 55.7 83.5



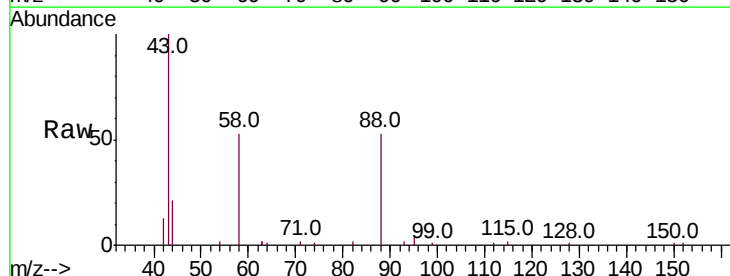
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



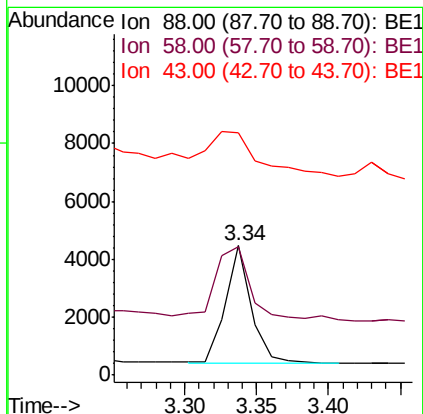
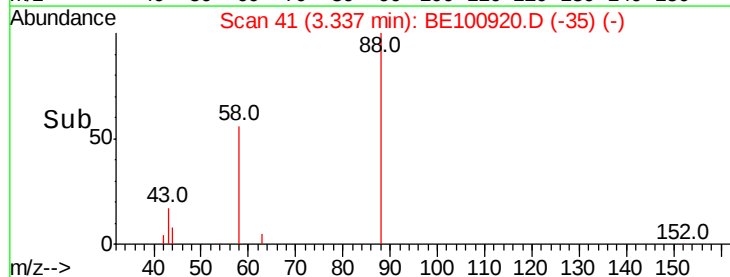
#2

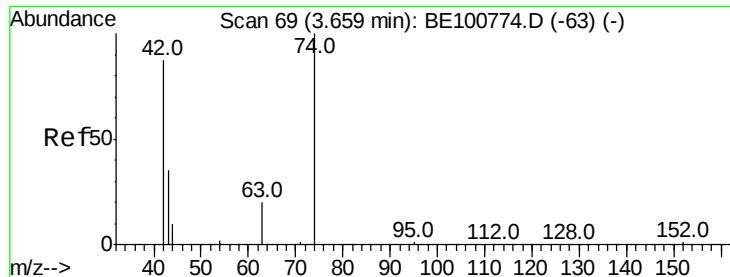
1,4-Dioxane
Concen: 0.676 ng
RT: 3.34 min Scan# 41
Delta R.T. 0.00 min
Lab File: BE100920.D
Acq: 16 Dec 2019 15:07

Tgt Ion: 88 Resp: 5113
Ion Ratio Lower Upper
88 100
58 90.2 52.3 78.5#
43 71.5 23.5 35.3#



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: 0.228 ng

RT: 3.64 min Scan# 67

Delta R.T. -0.01 min

Lab File: BE100920.D

Acq: 16 Dec 2019 15:07

Instrument :

BNA_E

ClientSampleId :

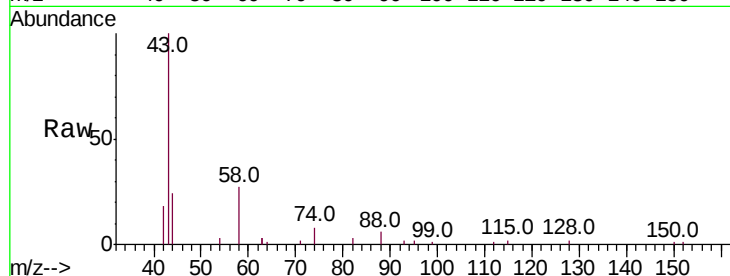
Tot Ion: 42 Resp: 1406

Ion Ratio Lower Upper

42 100

74 85.9 90.3 135.5#

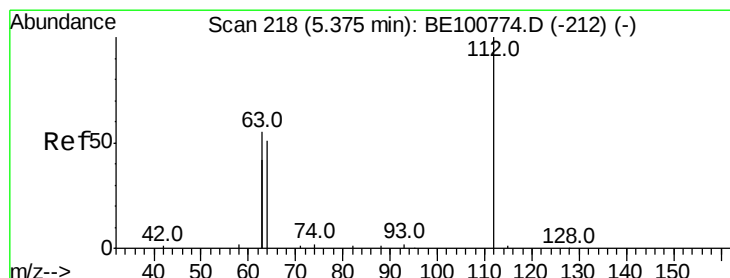
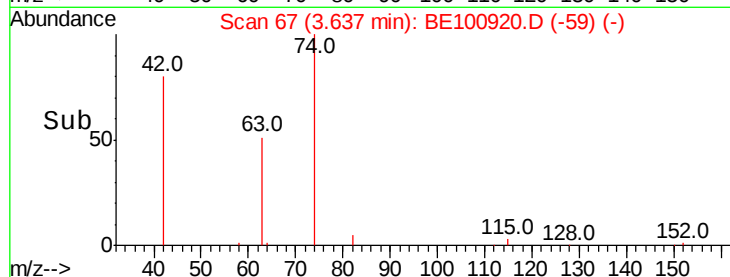
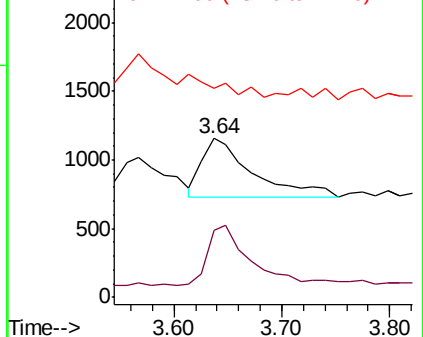
44 0.0 9.0 13.4#



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: 0.203 ng

RT: 5.36 min Scan# 217

Delta R.T. -0.01 min

Lab File: BE100920.D

Acq: 16 Dec 2019 15:07

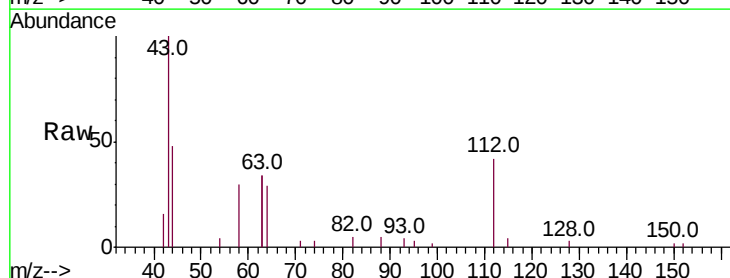
Tgt Ion: 112 Resp: 2002

Ion Ratio Lower Upper

112 100

64 66.8 54.5 81.7

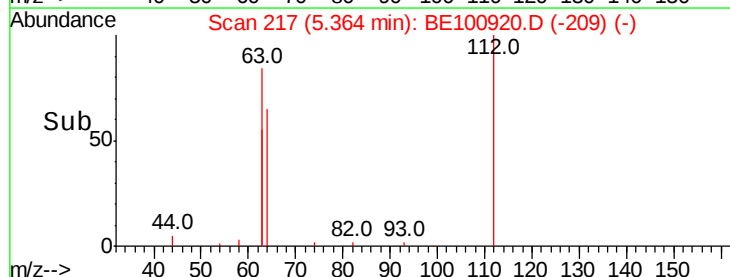
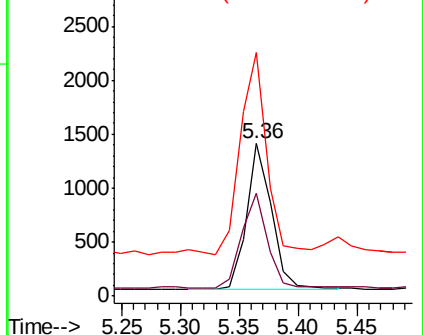
63 140.8 116.1 174.1

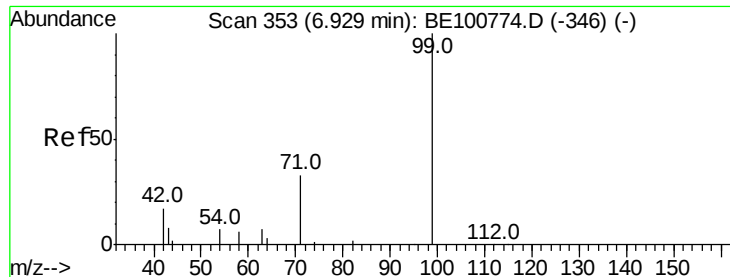


Abundance Ion 112.00 (111.70 to 112.70): BE1

Ion 64.00 (63.70 to 64.70): BE1

Ion 63.00 (62.70 to 63.70): BE1





#5

Phenol-d6

Concen: 0.144 ng

RT: 6.93 min Scan# 353

Delta R.T. 0.00 min

Lab File: BE100920.D

Acq: 16 Dec 2019 15:07

Instrument :

BNA_E

ClientSampleId :

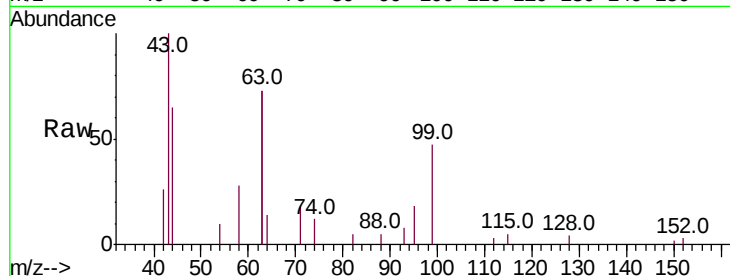
Tot Ion: 99 Resp: 2147

Ion Ratio Lower Upper

99 100

42 59.9 18.2 27.2#

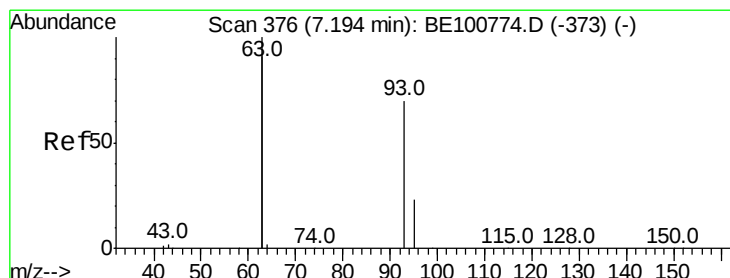
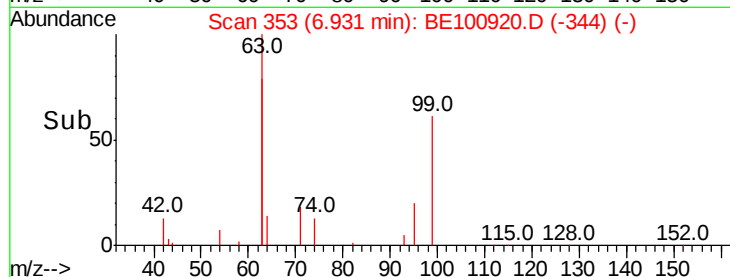
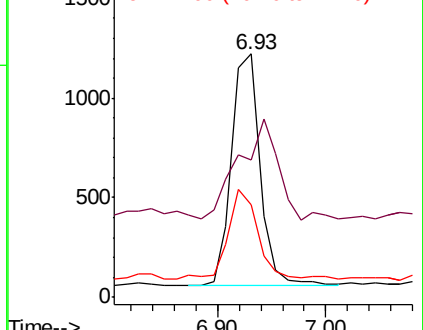
71 0.0 29.1 43.7#



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: 0.381 ng

RT: 7.18 min Scan# 375

Delta R.T. 0.00 min

Lab File: BE100920.D

Acq: 16 Dec 2019 15:07

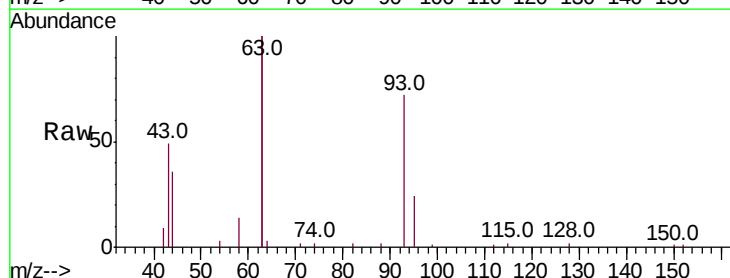
Tgt Ion: 93 Resp: 5471

Ion Ratio Lower Upper

93 100

63 317.8 253.9 380.9

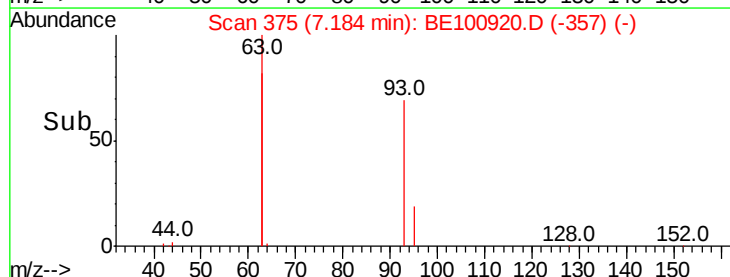
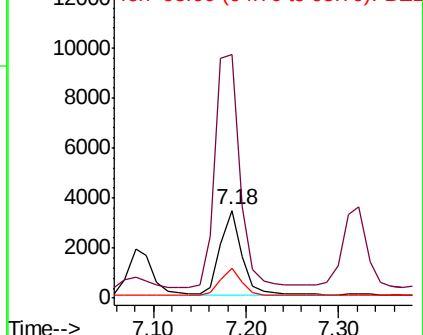
95 30.9 25.0 37.6

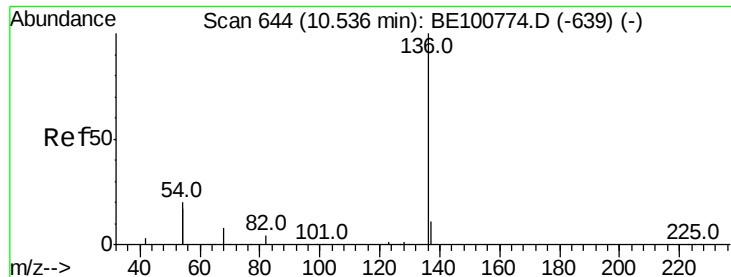


Abundance Ion 93.00 (92.70 to 93.70): BE1

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: BE100920.D

Acq: 16 Dec 2019 15:07

Instrument :

BNA_E

ClientSampleId :

Tot Ion:136 Resp: 18002

Ion Ratio Lower Upper

136 100

137 11.2 9.1 13.7

54 24.5 18.9 28.3

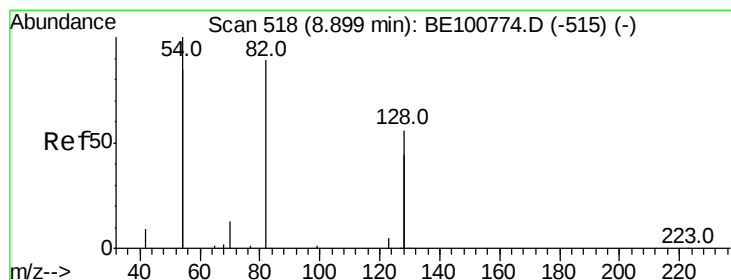
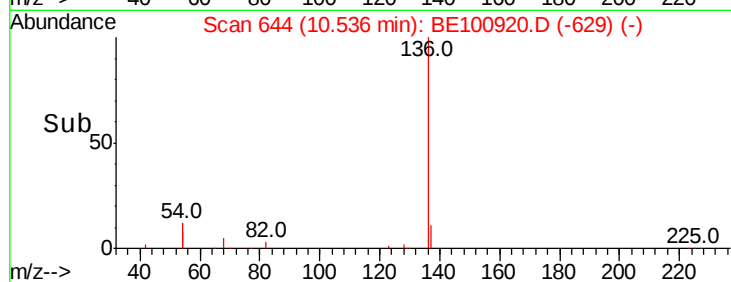
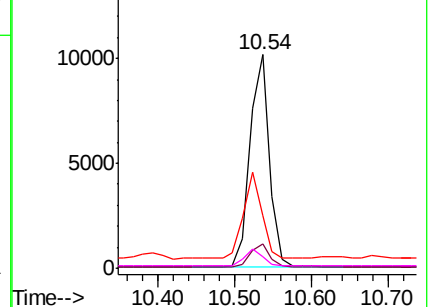
68 5.6 4.6 6.8

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: 0.573 ng

RT: 8.90 min Scan# 518

Delta R.T. -0.00 min

Lab File: BE100920.D

Acq: 16 Dec 2019 15:07

Tgt Ion: 82 Resp: 4909

Ion Ratio Lower Upper

82 100

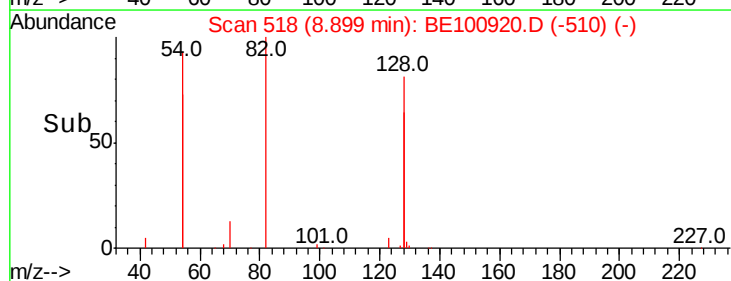
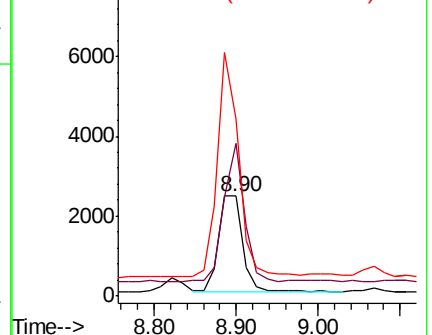
128 152.9 113.5 170.3

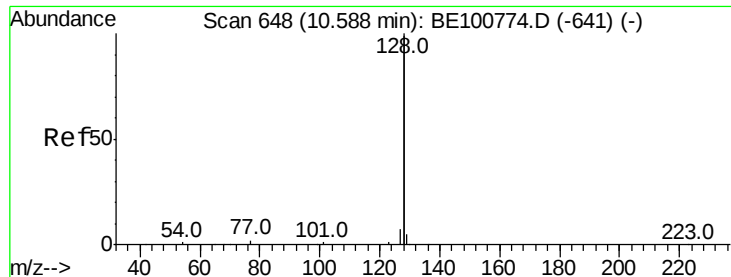
54 176.7 138.9 208.3

Abundance Ion 82.00 (81.70 to 82.70): BE1

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BE1





#9

Naphthalene

Concen: 0.384 ng

RT: 10.57 min Scan# 647

Delta R.T. -0.00 min

Lab File: BE100920.D

Acq: 16 Dec 2019 15:07

Instrument :

BNA_E

ClientSampleId :

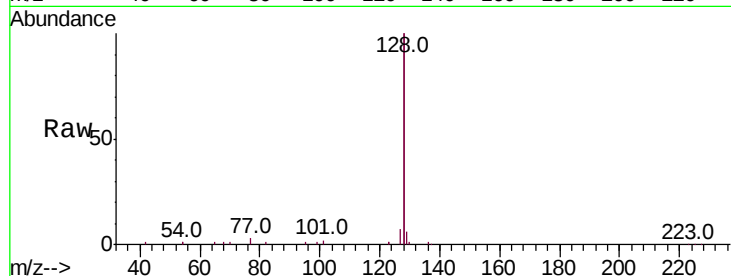
Tot Ion:128 Resp: 73549

Ion Ratio Lower Upper

128 100

129 2.8 2.2 3.4

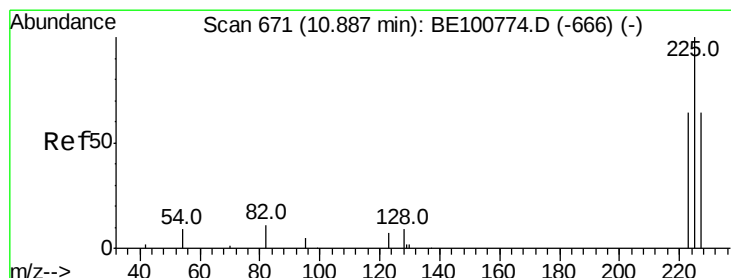
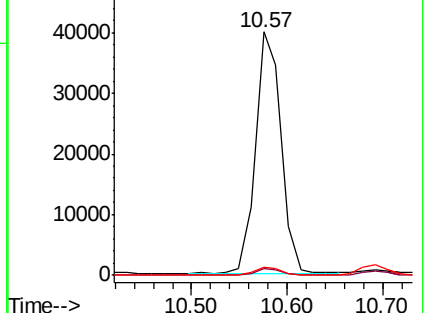
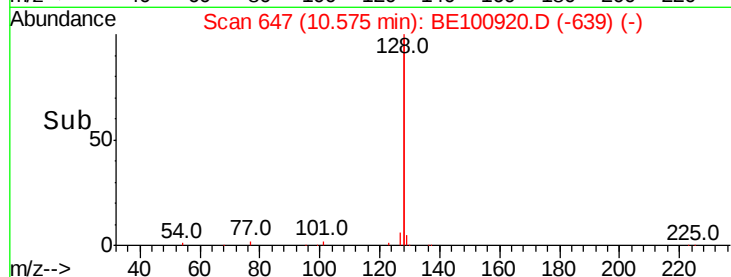
127 3.3 2.8 4.2



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: 0.326 ng

RT: 10.89 min Scan# 671

Delta R.T. -0.00 min

Lab File: BE100920.D

Acq: 16 Dec 2019 15:07

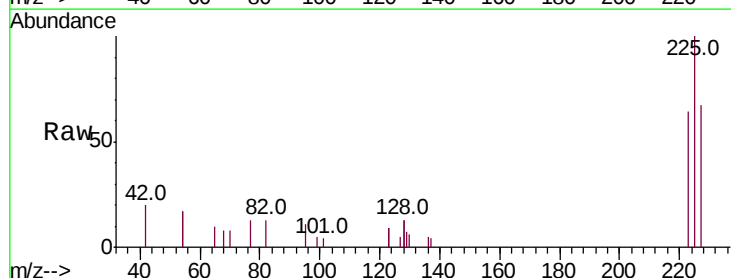
Tgt Ion:225 Resp: 2433

Ion Ratio Lower Upper

225 100

223 65.2 52.1 78.1

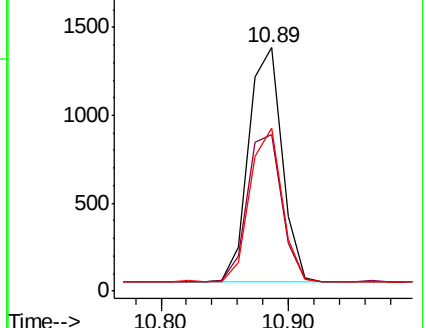
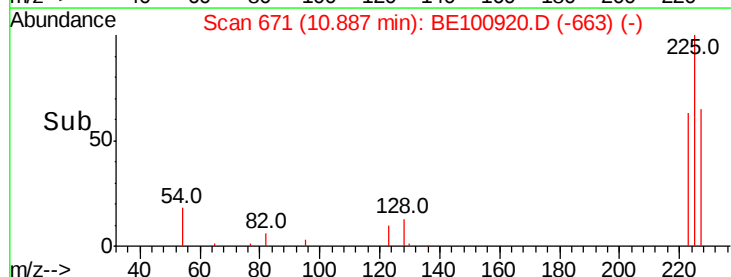
227 62.9 51.1 76.7

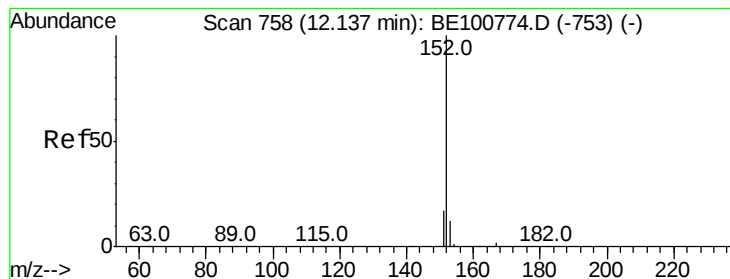


Abundance Ion 225.00 (224.70 to 225.70): E

Ion 223.00 (222.70 to 223.70): E

Ion 227.00 (226.70 to 227.70): E





#11

2-Methylnaphthalene-d10

Concen: 0.428 ng

RT: 12.12 min Scan# 757

Delta R.T. -0.02 min

Lab File: BE100920.D

Acq: 16 Dec 2019 15:07

Instrument :

BNA_E

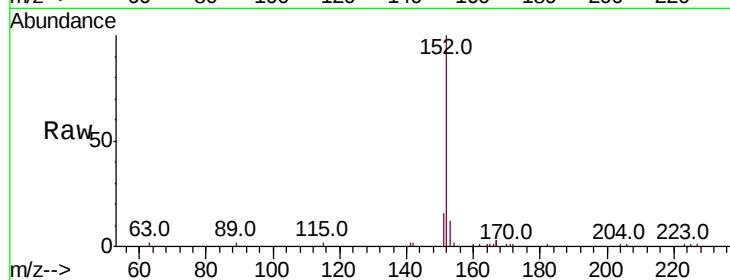
ClientSampleId :

Tot Ion:152 Resp: 11176

Ion Ratio Lower Upper

152 100

151 17.6 15.1 22.7



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

12.12

6000

5000

4000

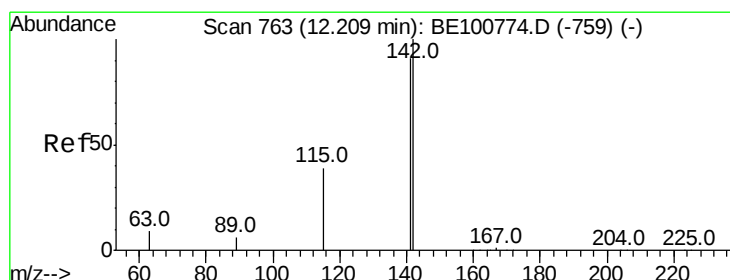
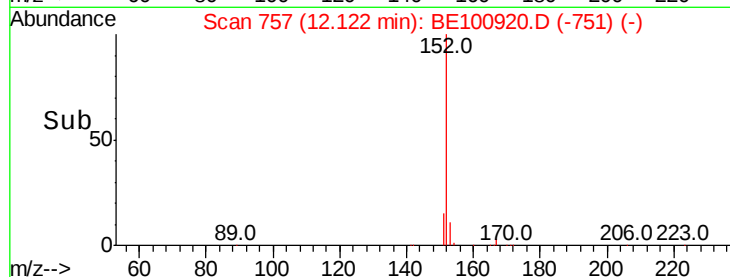
3000

2000

1000

0

Time--> 12.00 12.10 12.20



#12

2-Methylnaphthalene

Concen: 0.387 ng

RT: 12.21 min Scan# 763

Delta R.T. -0.00 min

Lab File: BE100920.D

Acq: 16 Dec 2019 15:07

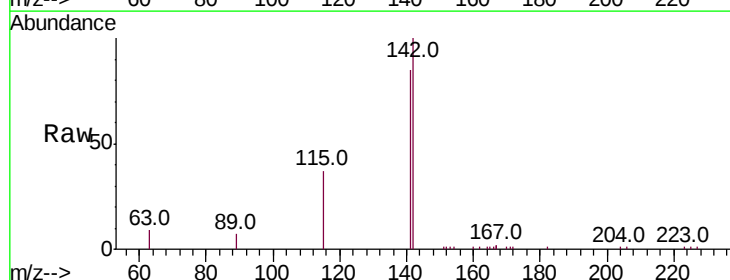
Tgt Ion:142 Resp: 11566

Ion Ratio Lower Upper

142 100

141 85.4 68.9 103.3

115 36.9 29.5 44.3



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

12.21

8000

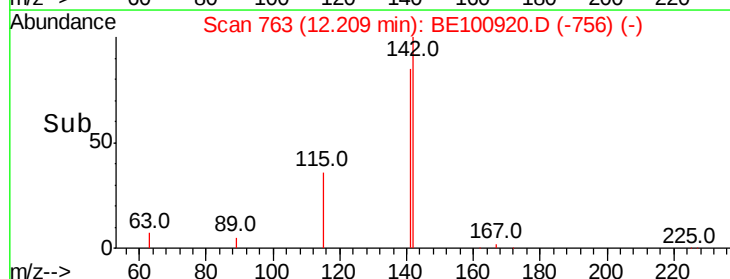
6000

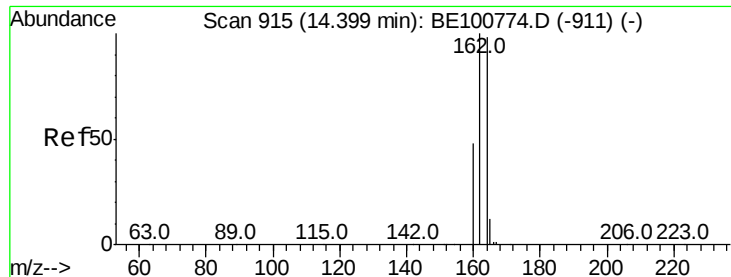
4000

2000

0

Time--> 12.10 12.20 12.30

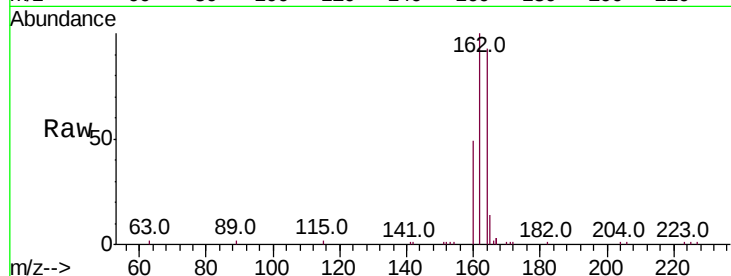




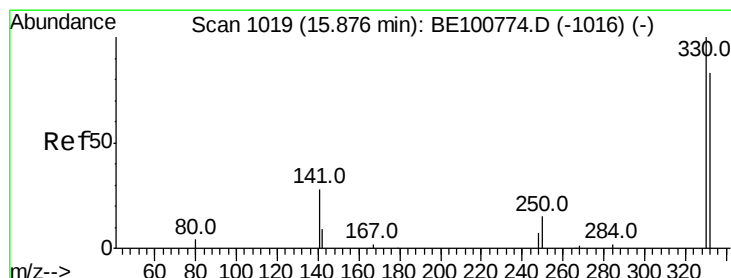
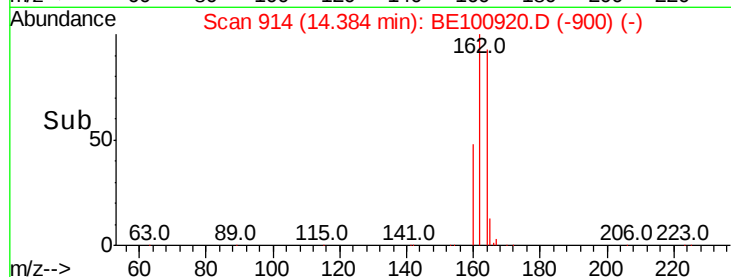
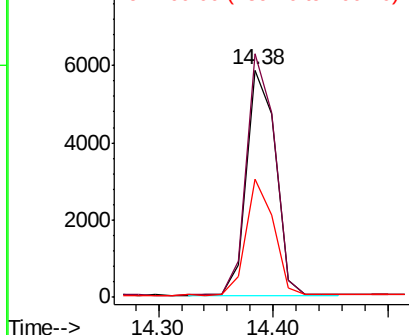
#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.38 min Scan# 914
Delta R.T. -0.00 min
Lab File: BE100920.D
Acq: 16 Dec 2019 15:07

Instrument :
BNA_E
ClientSampleId :

Tot Ion:164 Resp: 10127
Ion Ratio Lower Upper
164 100
162 107.2 86.0 129.0
160 52.1 42.3 63.5

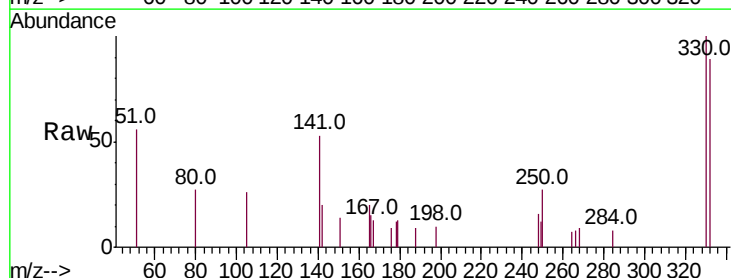


Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

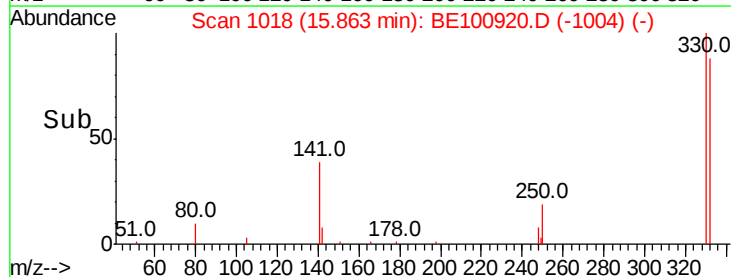
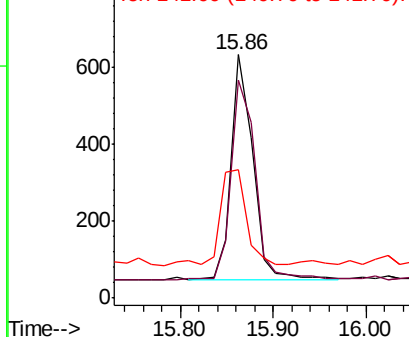


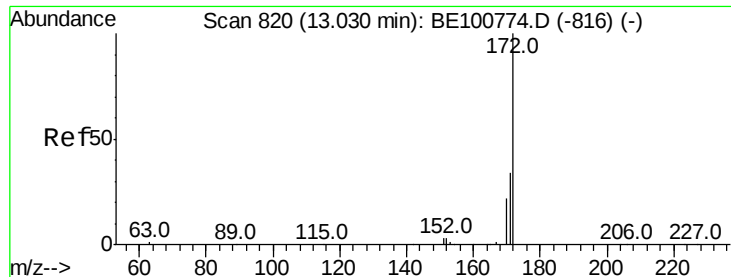
#14
2,4,6-Tribromophenol
Concen: 0.822 ng
RT: 15.86 min Scan# 1018
Delta R.T. -0.01 min
Lab File: BE100920.D
Acq: 16 Dec 2019 15:07

Tgt Ion:330 Resp: 926
Ion Ratio Lower Upper
330 100
332 100.0 74.1 111.1
141 54.8 46.7 70.1



Abundance Ion 330.00 (329.70 to 330.70): E
Ion 331.80 (331.50 to 332.50): E
Ion 141.00 (140.70 to 141.70): E

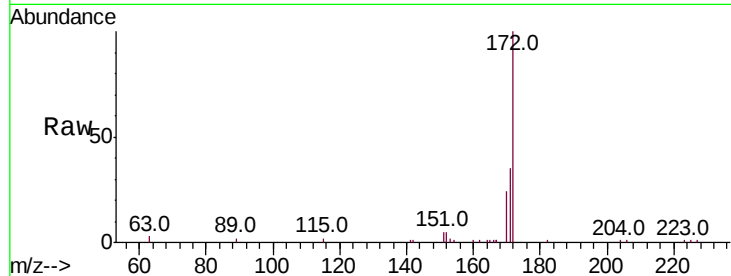




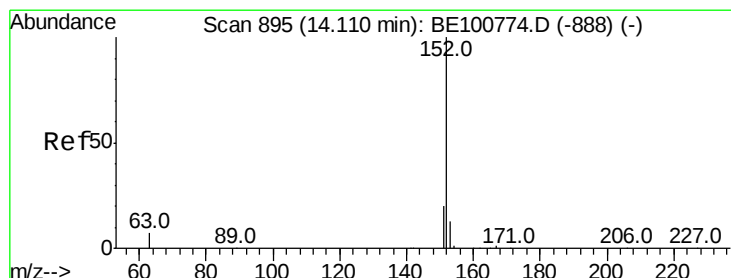
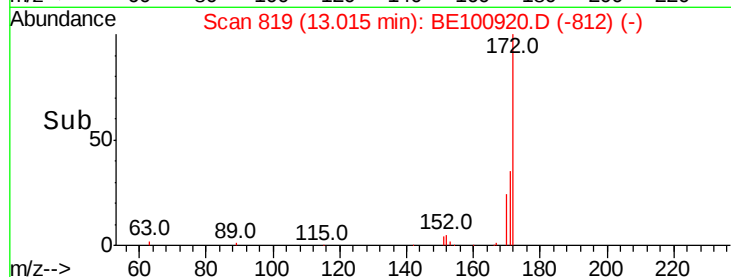
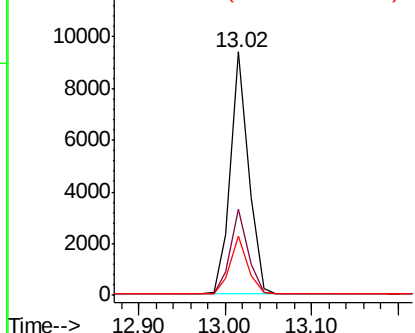
#15
2-Fluorobiphenyl
Concen: 0.338 ng
RT: 13.02 min Scan# 819
Delta R.T. -0.00 min
Lab File: BE100920.D
Acq: 16 Dec 2019 15:07

Instrument :
BNA_E
ClientSampleId :

Tot Ion:172 Resp: 13569
Ion Ratio Lower Upper
172 100
171 35.4 28.2 42.4
170 24.4 19.4 29.0

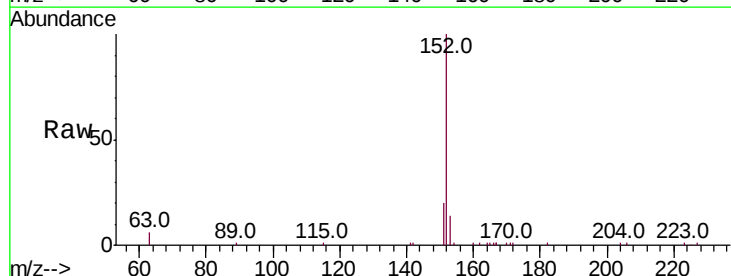


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

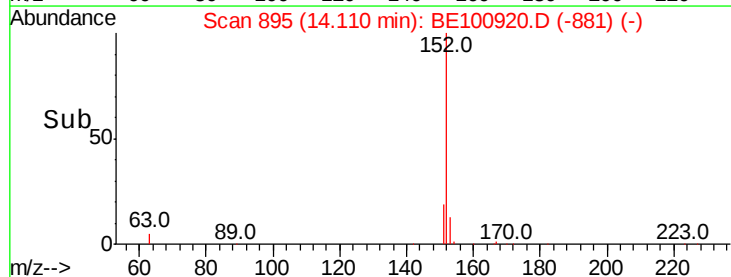
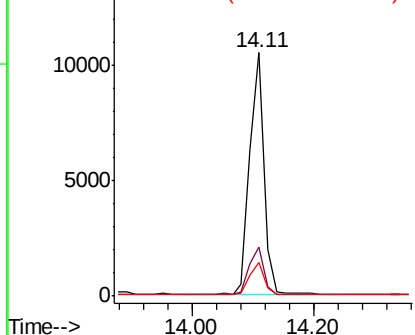


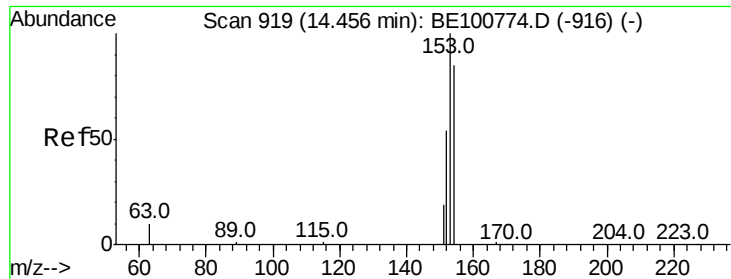
#16
Acenaphthylene
Concen: 0.406 ng
RT: 14.11 min Scan# 895
Delta R.T. -0.00 min
Lab File: BE100920.D
Acq: 16 Dec 2019 15:07

Tgt Ion:152 Resp: 17028
Ion Ratio Lower Upper
152 100
151 19.7 15.9 23.9
153 12.9 10.5 15.7



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





#17

Acenaphthene

Concen: 0.379 ng

RT: 14.46 min Scan# 919

Delta R.T. -0.00 min

Lab File: BE100920.D

Acq: 16 Dec 2019 15:07

Instrument :

BNA_E

ClientSampleId :

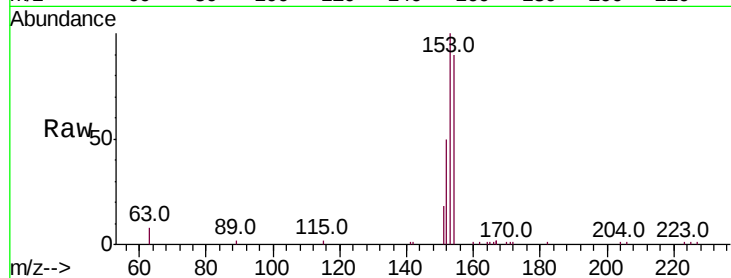
Tot Ion:154 Resp: 10930

Ion Ratio Lower Upper

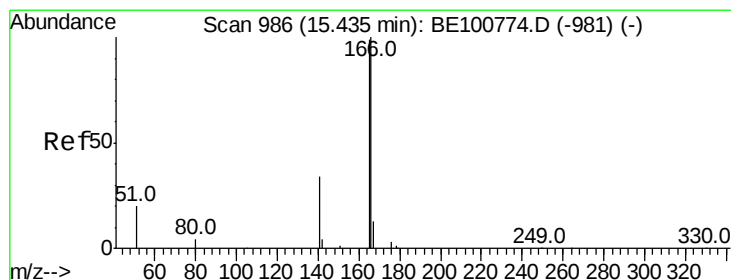
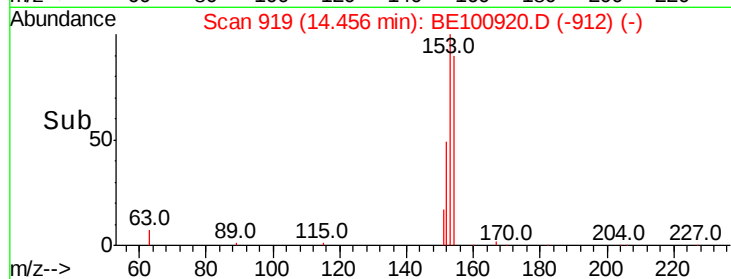
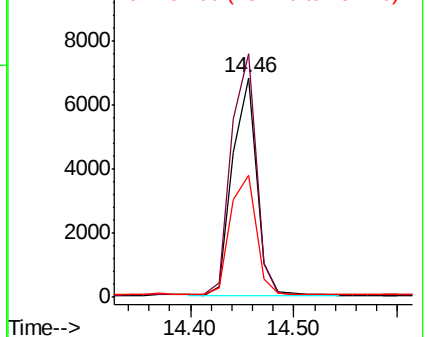
154 100

153 114.0 91.5 137.3

152 58.4 47.7 71.5



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: 0.398 ng

RT: 15.42 min Scan# 985

Delta R.T. 0.00 min

Lab File: BE100920.D

Acq: 16 Dec 2019 15:07

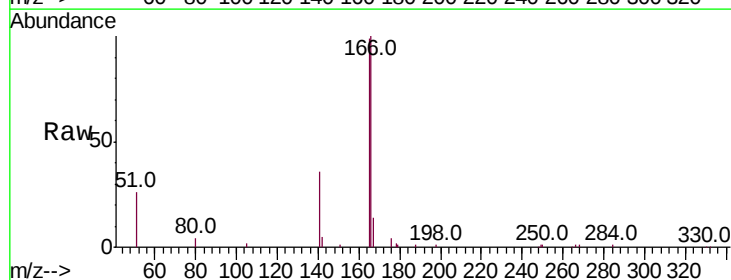
Tgt Ion:166 Resp: 14804

Ion Ratio Lower Upper

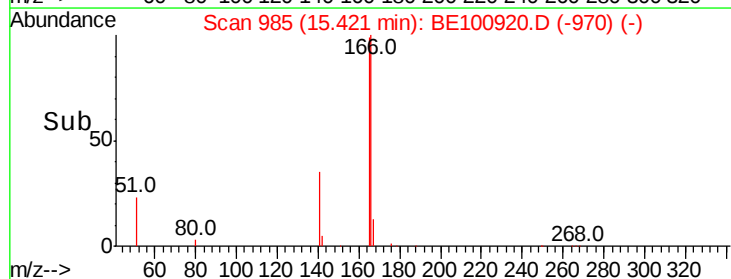
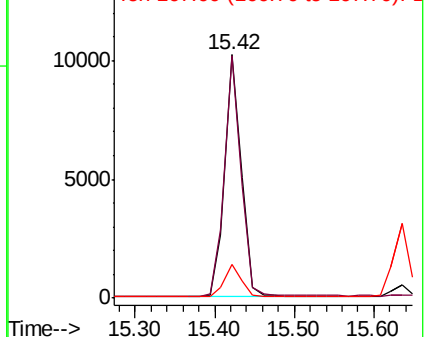
166 100

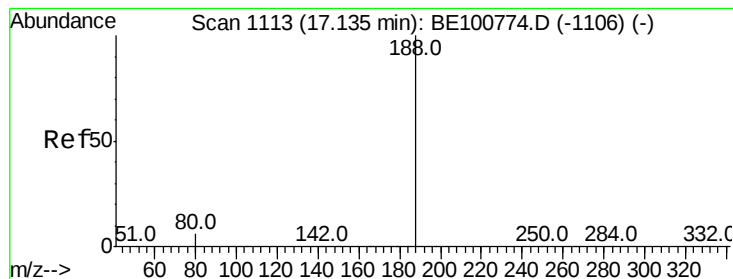
165 98.8 80.2 120.4

167 14.1 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: 17.12 min Scan# 1112

Delta R.T. 0.00 min

Lab File: BE100920.D

Acq: 16 Dec 2019 15:07

Instrument :

BNA_E

ClientSampleId :

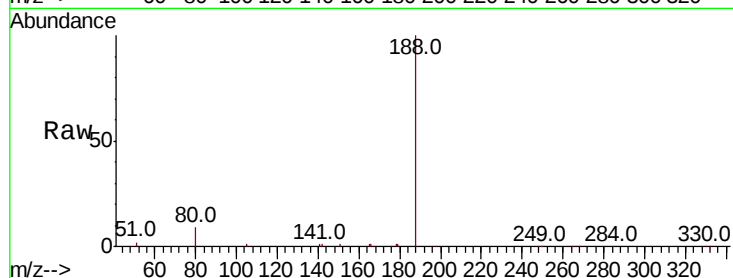
Tot Ion:188 Resp: 26567

Ion Ratio Lower Upper

188 100

94 0.0 0.0 0.0

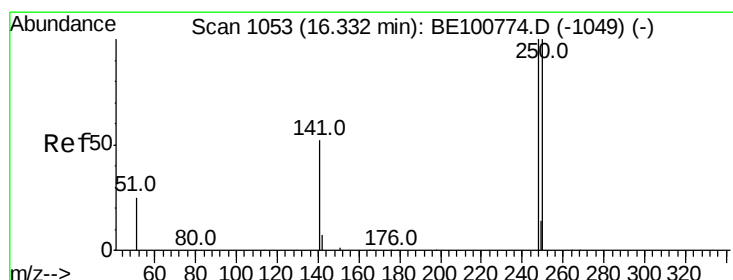
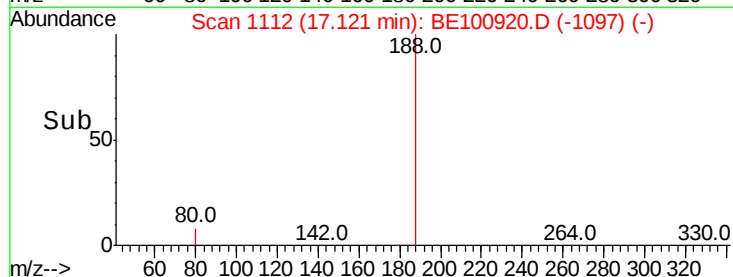
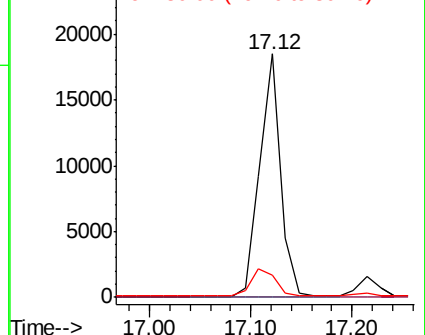
80 8.9 7.9 11.9



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: 0.339 ng

RT: 16.32 min Scan# 1052

Delta R.T. 0.00 min

Lab File: BE100920.D

Acq: 16 Dec 2019 15:07

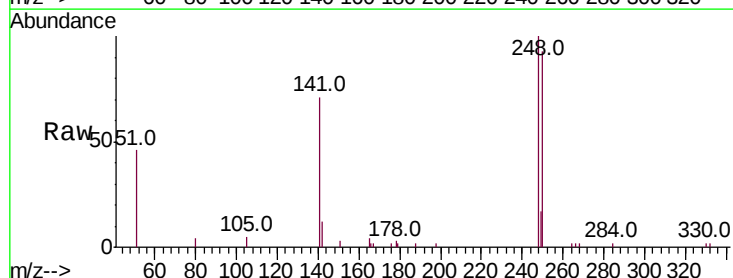
Tgt Ion:248 Resp: 4413

Ion Ratio Lower Upper

248 100

250 93.3 72.4 108.6

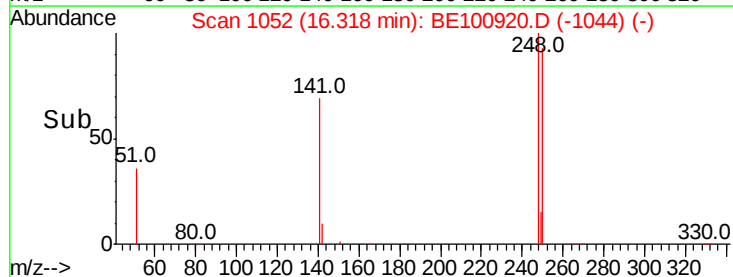
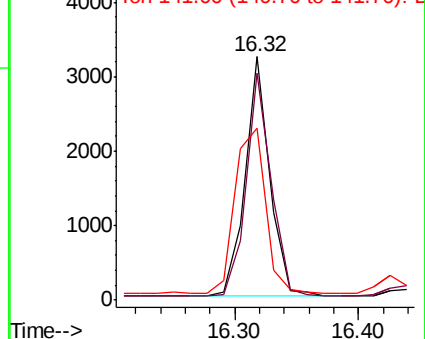
141 70.7 68.2 102.2

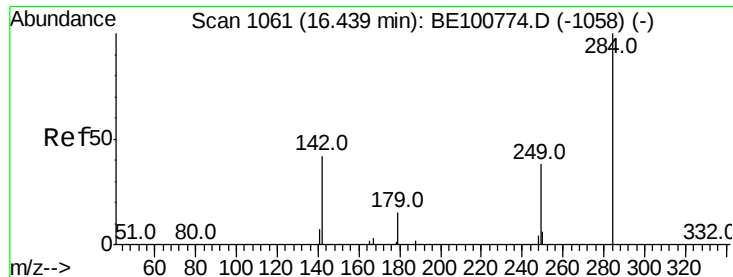


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E





#21

Hexachlorobenzene

Concen: 0.300 ng

RT: 16.44 min Scan# 1061

Delta R.T. 0.00 min

Lab File: BE100920.D

Acq: 16 Dec 2019 15:07

Instrument :

BNA_E

ClientSampleId :

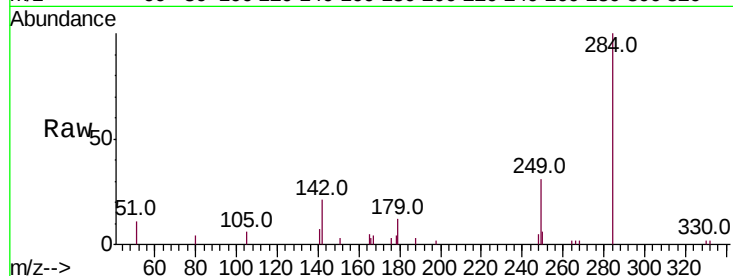
Tot Ion:284 Resp: 4245

Ion	Ratio	Lower	Upper
284	100		
142	45.6	35.0	52.4
249	35.4	28.1	42.1

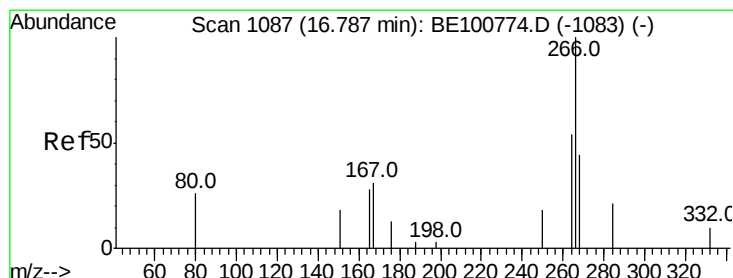
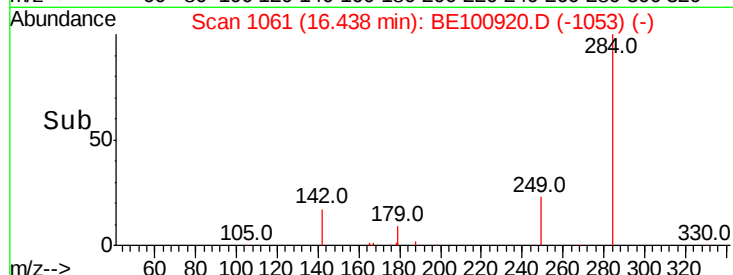
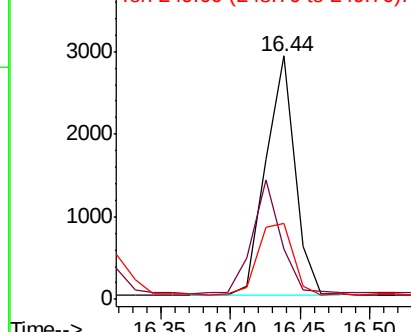
284 100

142 45.6 35.0 52.4

249 35.4 28.1 42.1



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: 2.075 ng

RT: 16.77 min Scan# 1086

Delta R.T. -0.01 min

Lab File: BE100920.D

Acq: 16 Dec 2019 15:07

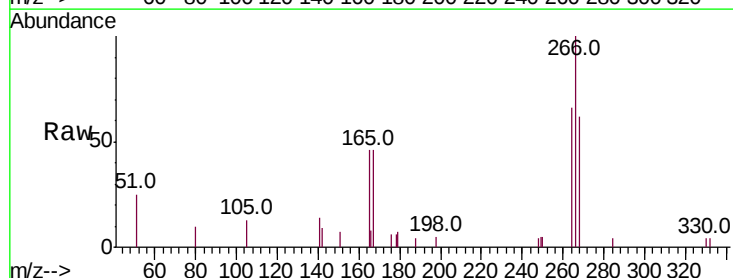
Tgt Ion:266 Resp: 2032

Ion	Ratio	Lower	Upper
266	100		
264	65.5	55.1	82.7
268	62.0	50.7	76.1

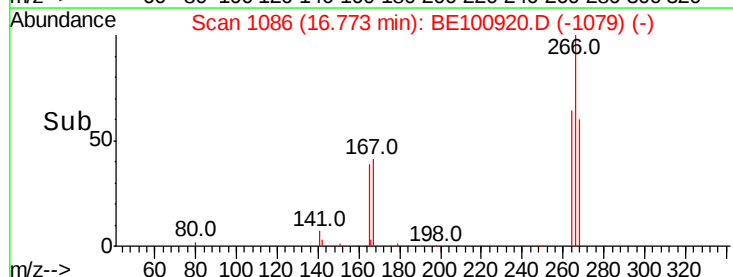
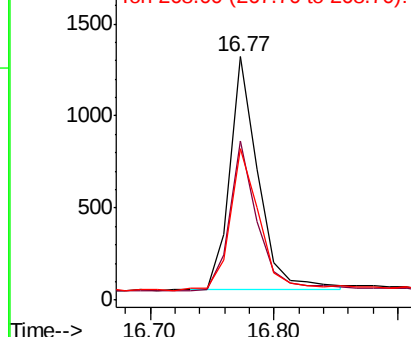
266 100

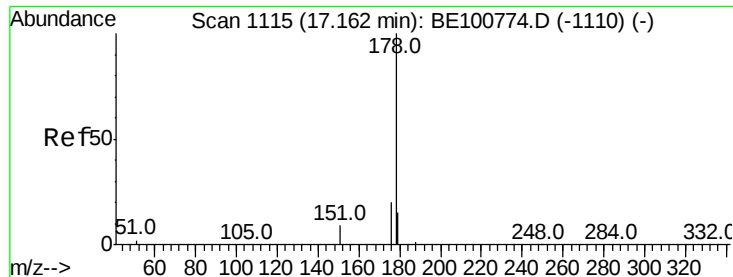
264 65.5 55.1 82.7

268 62.0 50.7 76.1



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: 0.353 ng

RT: 17.16 min Scan# 1115

Delta R.T. 0.00 min

Lab File: BE100920.D

Acq: 16 Dec 2019 15:07

Instrument :

BNA_E

ClientSampleId :

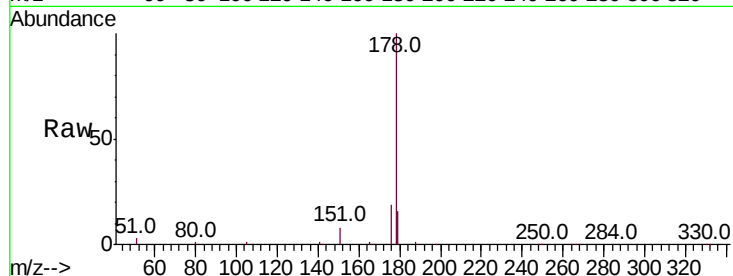
Tot Ion:178 Resp: 28407

Ion Ratio Lower Upper

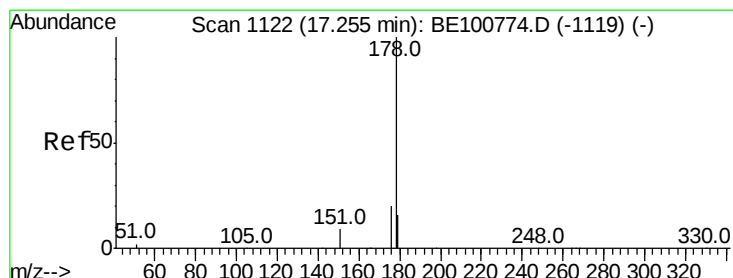
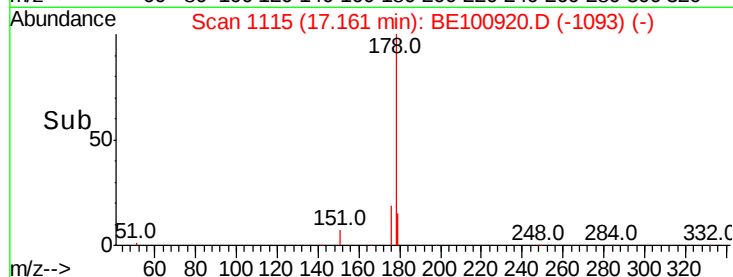
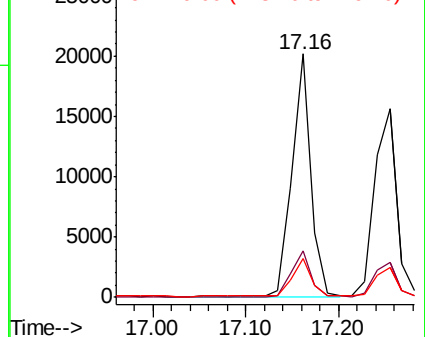
178 100

176 19.3 15.6 23.4

179 16.1 11.9 17.9



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: 0.375 ng

RT: 17.25 min Scan# 1122

Delta R.T. 0.00 min

Lab File: BE100920.D

Acq: 16 Dec 2019 15:07

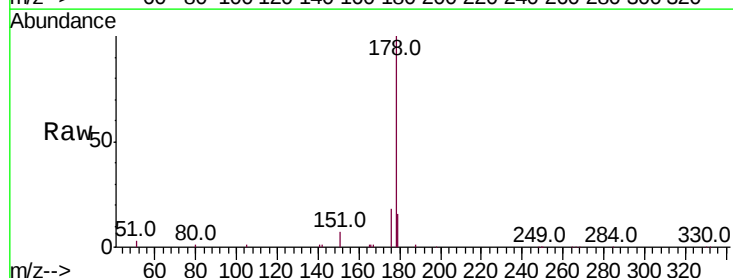
Tgt Ion:178 Resp: 25256

Ion Ratio Lower Upper

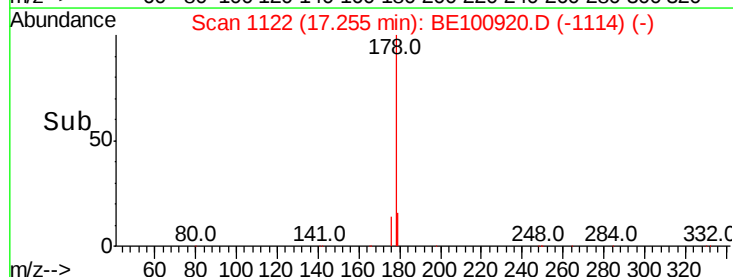
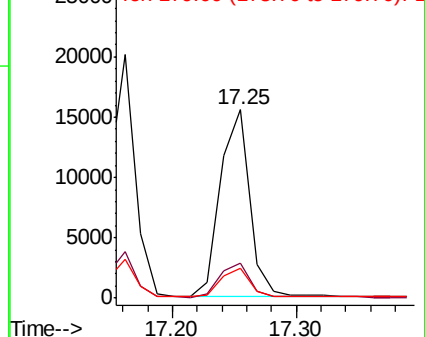
178 100

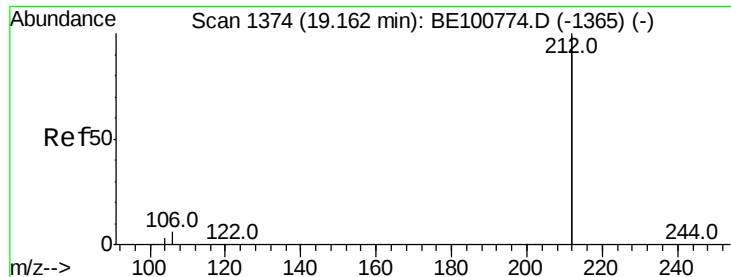
176 18.5 14.7 22.1

179 15.2 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: 0.425 ng

RT: 19.15 min Scan# 1372

Delta R.T. 0.00 min

Lab File: BE100920.D

Acq: 16 Dec 2019 15:07

Instrument :

BNA_E

ClientSampleId :

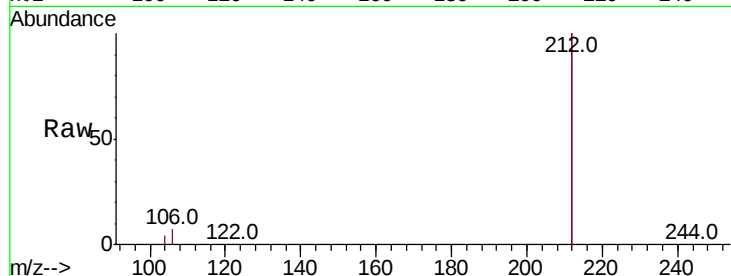
Tot Ion:212 Resp: 133503

Ion Ratio Lower Upper

212 100

106 3.4 2.6 4.0

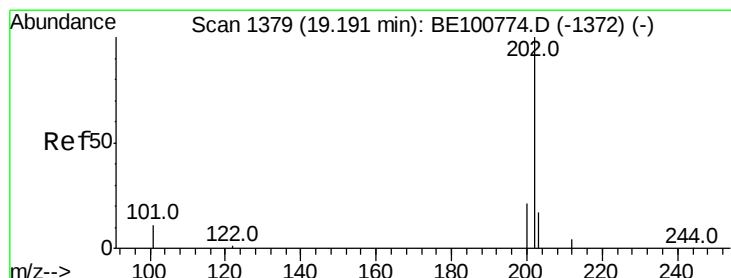
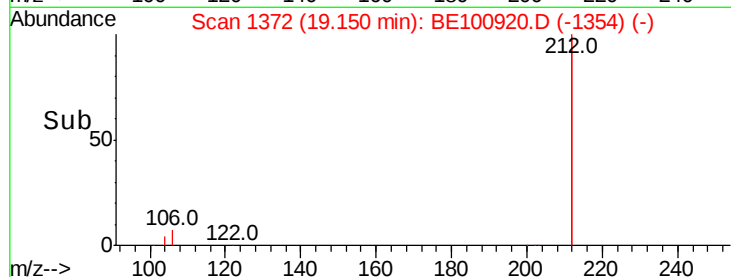
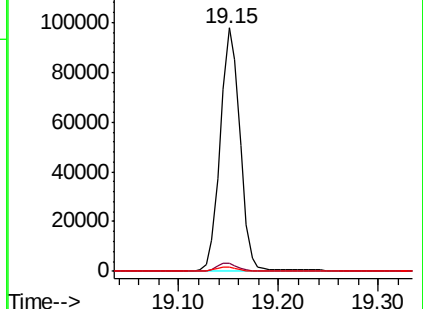
104 1.9 1.4 2.2



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: 0.386 ng

RT: 19.18 min Scan# 1377

Delta R.T. -0.01 min

Lab File: BE100920.D

Acq: 16 Dec 2019 15:07

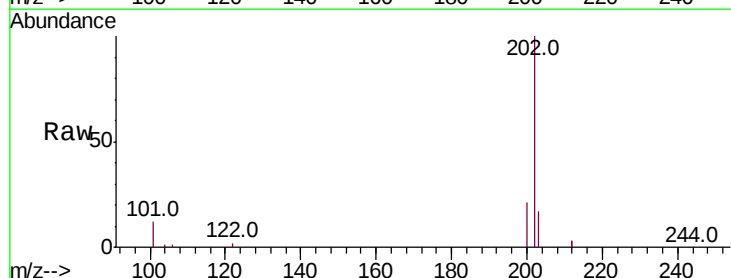
Tgt Ion:202 Resp: 37051

Ion Ratio Lower Upper

202 100

101 11.6 9.4 14.0

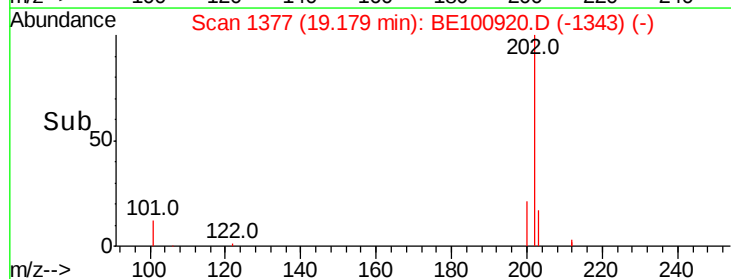
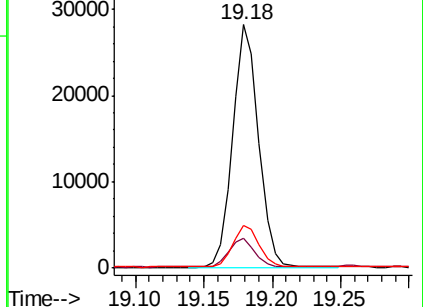
203 17.1 13.7 20.5

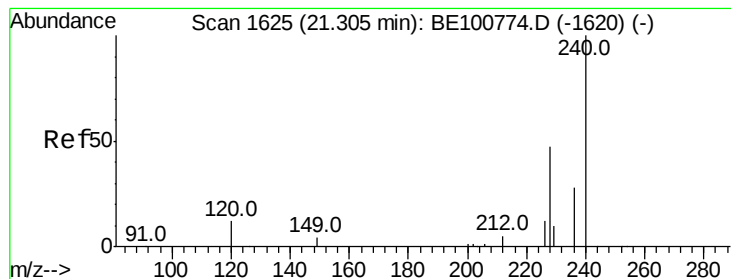


Abundance Ion 202.00 (201.70 to 202.70): E

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: 21.29 min Scan# 1623

Delta R.T. -0.01 min

Lab File: BE100920.D

Acq: 16 Dec 2019 15:07

Instrument :

BNA_E

ClientSampled :

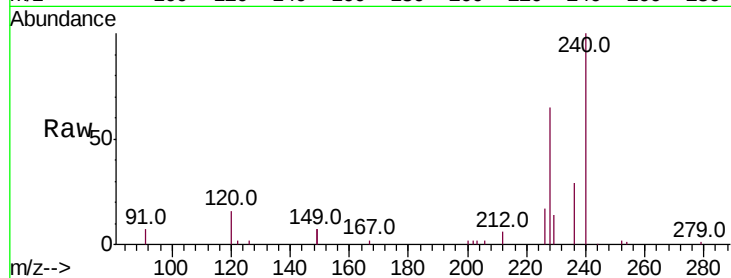
Tot Ion:240 Resp: 28364

Ion Ratio Lower Upper

240 100

120 15.6 4.0 6.0#

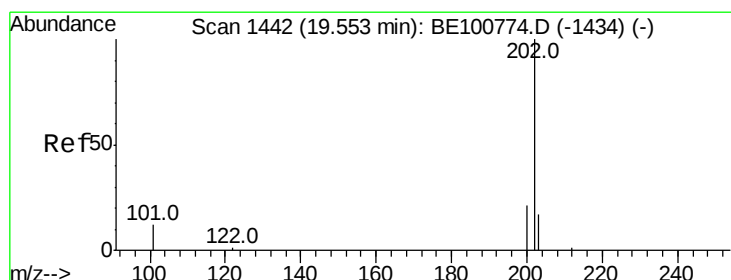
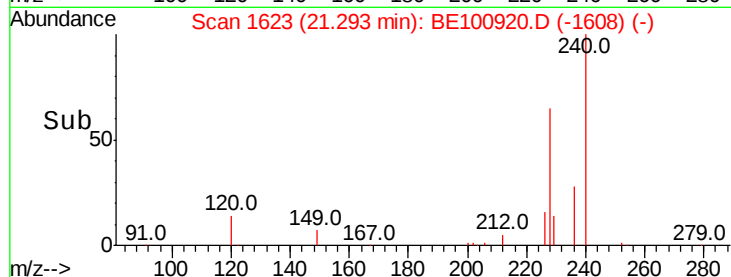
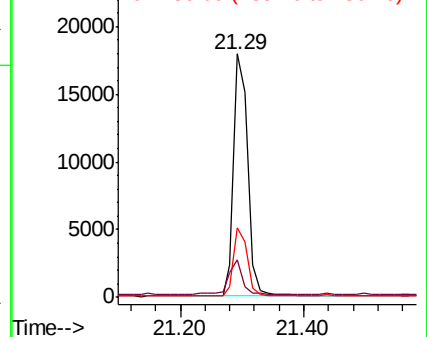
236 28.7 21.6 32.4



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: 0.431 ng

RT: 19.54 min Scan# 1440

Delta R.T. -0.01 min

Lab File: BE100920.D

Acq: 16 Dec 2019 15:07

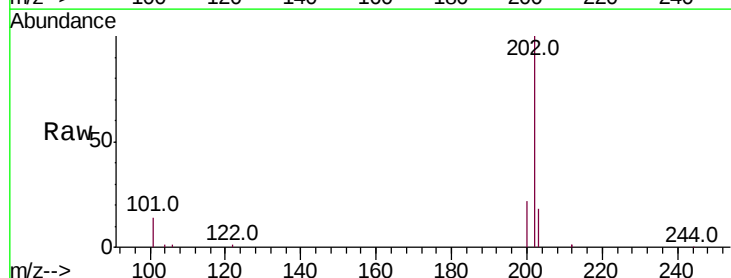
Tgt Ion:202 Resp: 39711

Ion Ratio Lower Upper

202 100

200 21.5 17.0 25.4

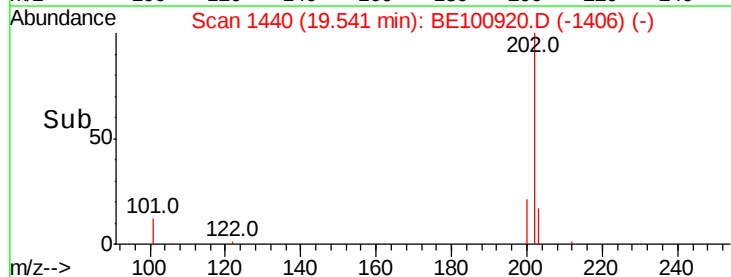
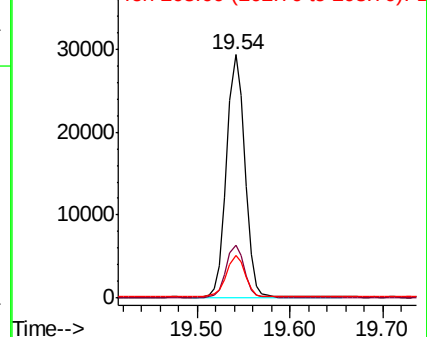
203 18.0 13.8 20.8

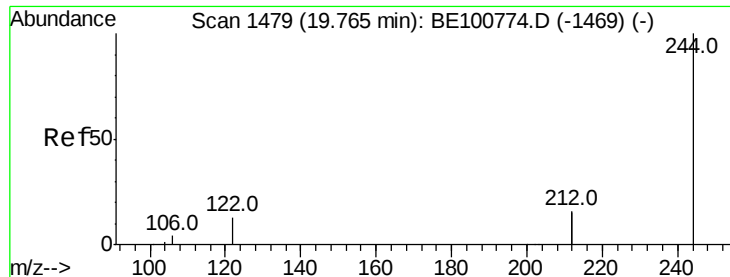


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#29

Terphenyl-d14

Concen: 0.375 ng

RT: 19.75 min Scan# 1477

Delta R.T. -0.01 min

Lab File: BE100920.D

Acq: 16 Dec 2019 15:07

Instrument :

BNA_E

ClientSampled :

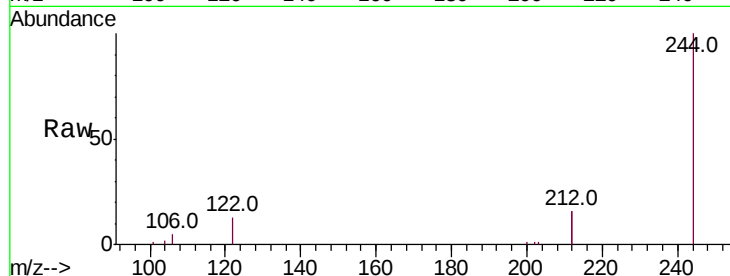
Tot Ion:244 Resp: 25451

Ion Ratio Lower Upper

244 100

212 32.8 25.2 37.8

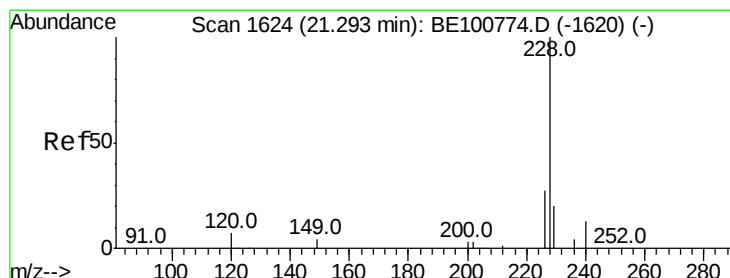
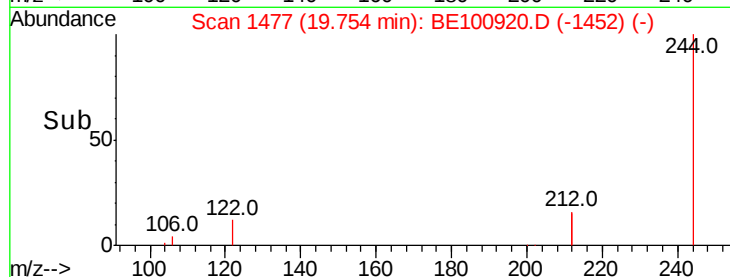
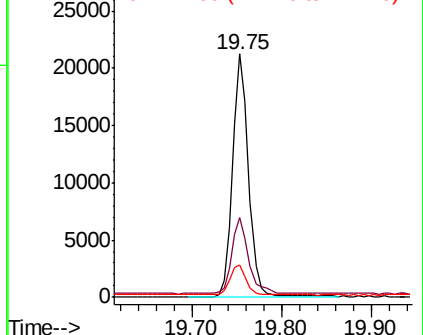
122 13.1 8.9 13.3



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: 0.433 ng

RT: 21.28 min Scan# 1622

Delta R.T. -0.00 min

Lab File: BE100920.D

Acq: 16 Dec 2019 15:07

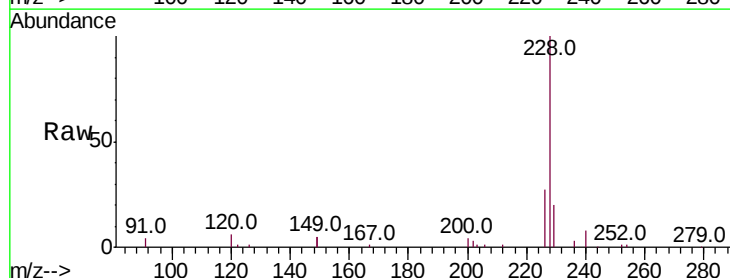
Tgt Ion:228 Resp: 36227

Ion Ratio Lower Upper

228 100

226 27.3 21.4 32.0

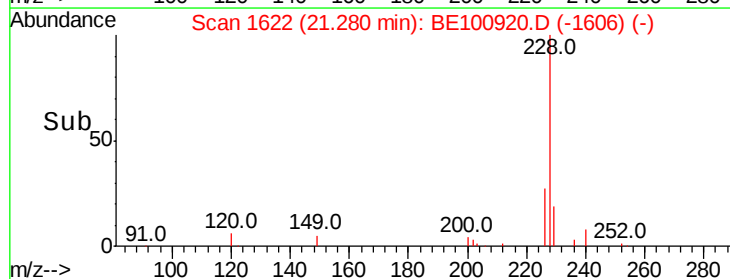
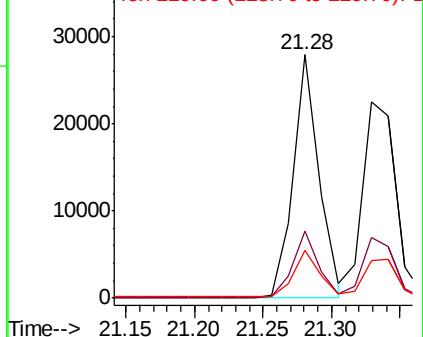
229 19.7 15.8 23.6

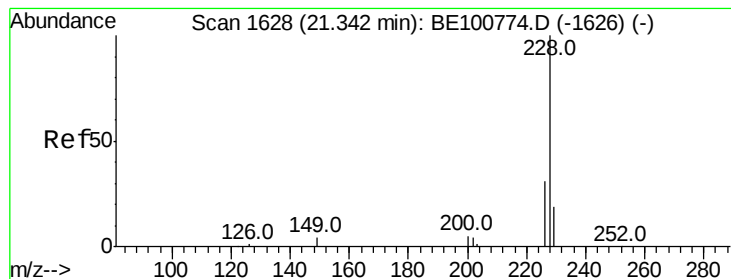


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#31

Chrysene

Concen: 0.378 ng

RT: 21.33 min Scan# 1626

Delta R.T. -0.00 min

Lab File: BE100920.D

Acq: 16 Dec 2019 15:07

Instrument :

BNA_E

ClientSampleId :

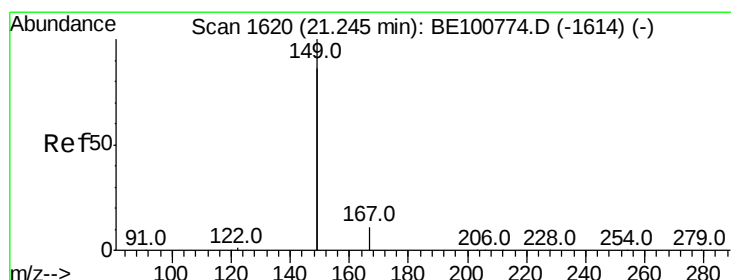
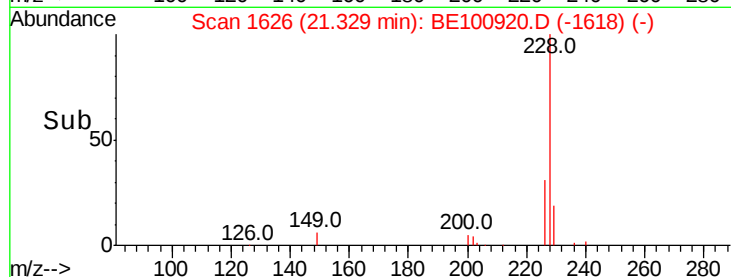
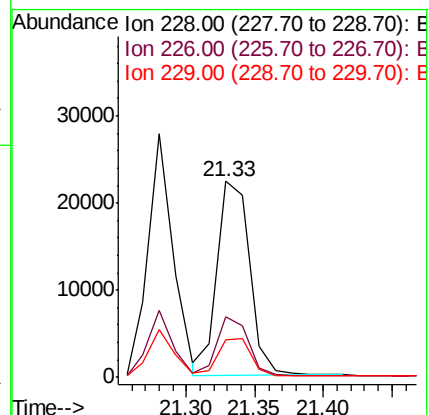
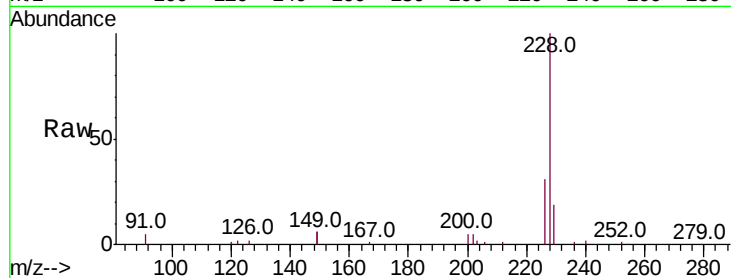
Tot Ion:228 Resp: 37089

Ion Ratio Lower Upper

228 100

226 31.1 25.3 37.9

229 19.3 15.2 22.8



#32

Bis(2-ethylhexyl)phthalate

Concen: 2.107 ng

RT: 21.23 min Scan# 1618

Delta R.T. -0.00 min

Lab File: BE100920.D

Acq: 16 Dec 2019 15:07

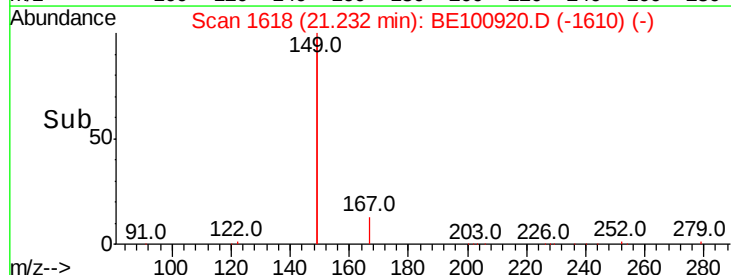
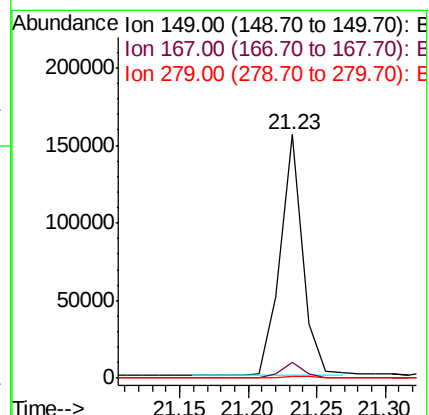
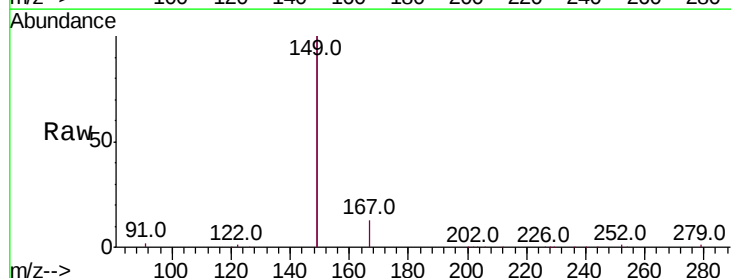
Tgt Ion:149 Resp: 175910

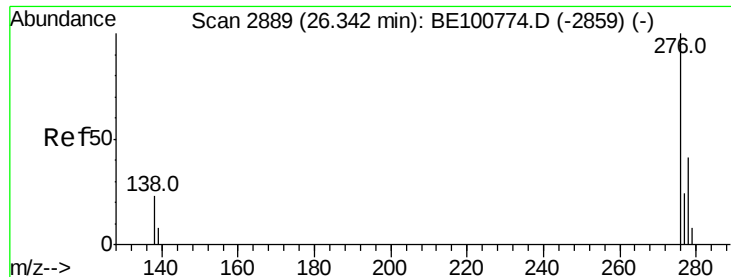
Ion Ratio Lower Upper

149 100

167 6.5 5.0 7.4

279 0.8 0.6 1.0





#33

Indeno(1,2,3-cd)pyrene

Concen: 0.385 ng

RT: 26.31 min Scan# 2879

Delta R.T. -0.00 min

Lab File: BE100920.D

Acq: 16 Dec 2019 15:07

Instrument :

BNA_E

ClientSampleId :

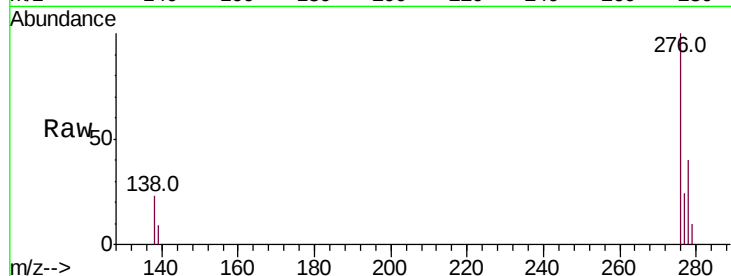
Tot Ion:276 Resp: 32937

Ion Ratio Lower Upper

276 100

138 24.4 18.4 27.6

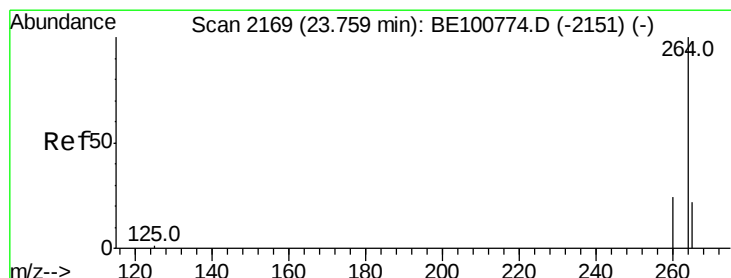
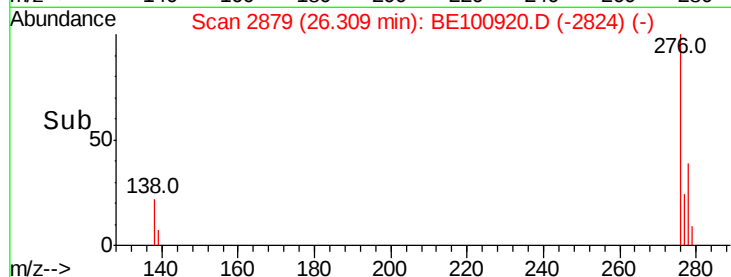
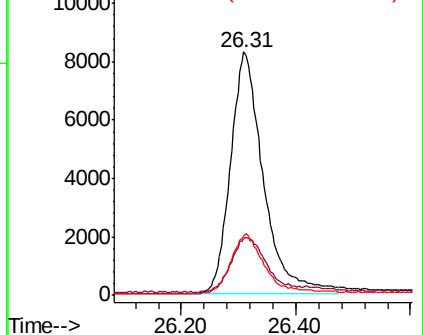
277 24.2 19.4 29.2



Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E



#34

Perylene-d12

Concen: 0.400 ng

RT: 23.74 min Scan# 2163

Delta R.T. -0.00 min

Lab File: BE100920.D

Acq: 16 Dec 2019 15:07

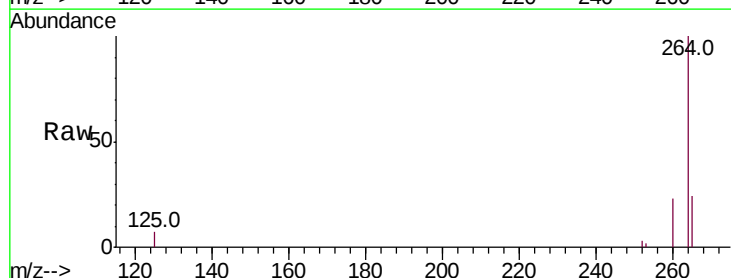
Tgt Ion:264 Resp: 33277

Ion Ratio Lower Upper

264 100

260 23.4 19.4 29.0

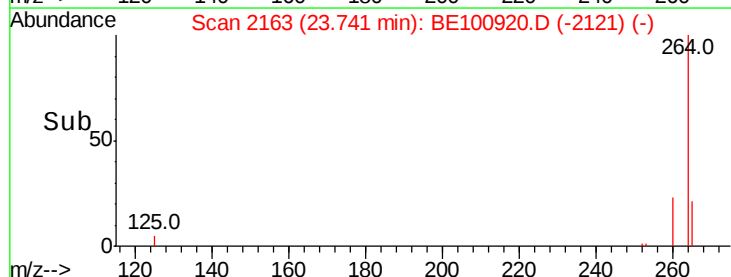
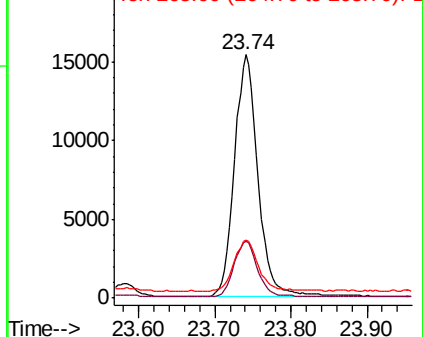
265 23.7 20.1 30.1

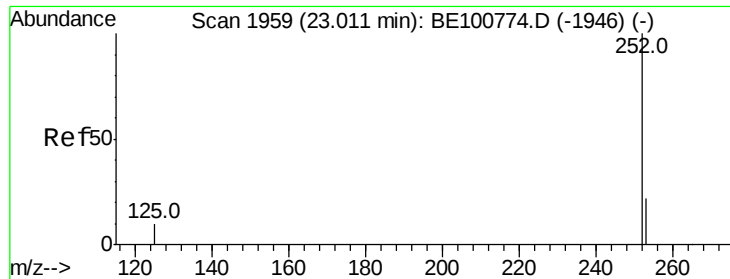


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E

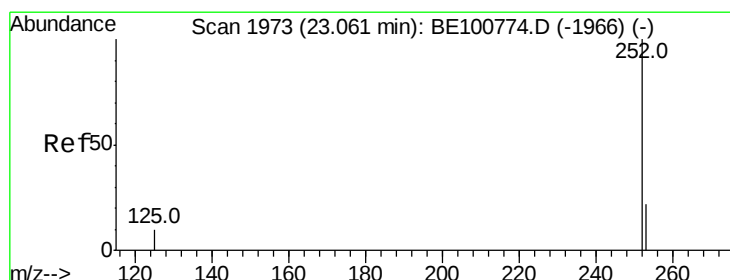
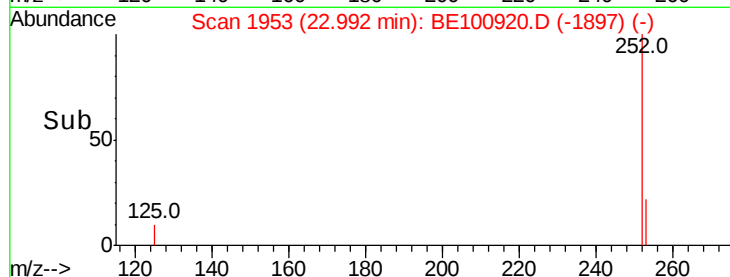
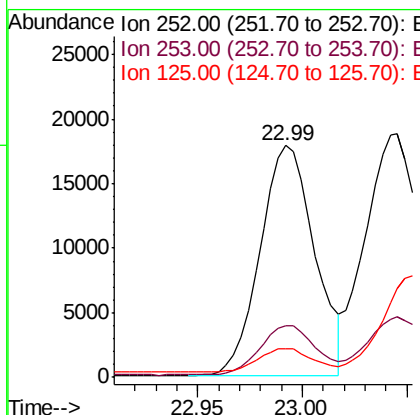
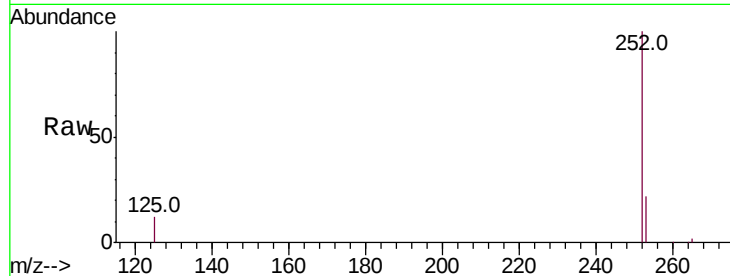




#35
Benzo(b)fluoranthene
Concen: 0.354 ng
RT: 22.99 min Scan# 1953
Delta R.T. -0.00 min
Lab File: BE100920.D
Acq: 16 Dec 2019 15:07

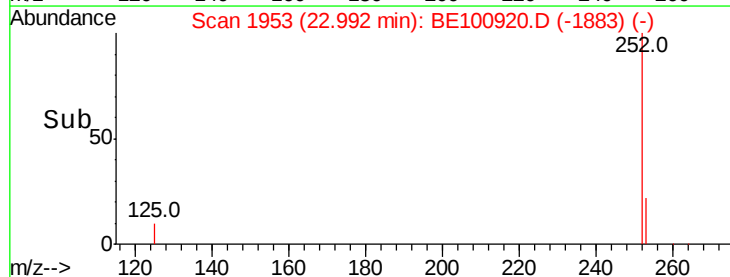
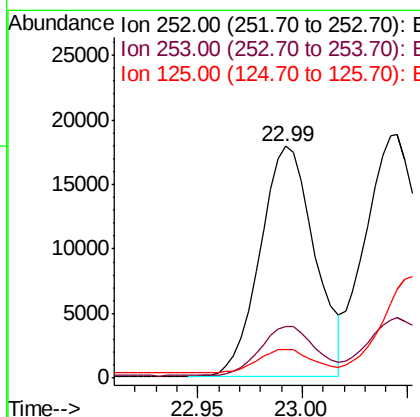
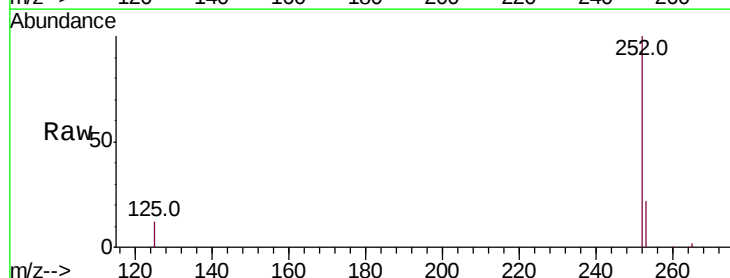
Instrument :
BNA_E
ClientSampleId :

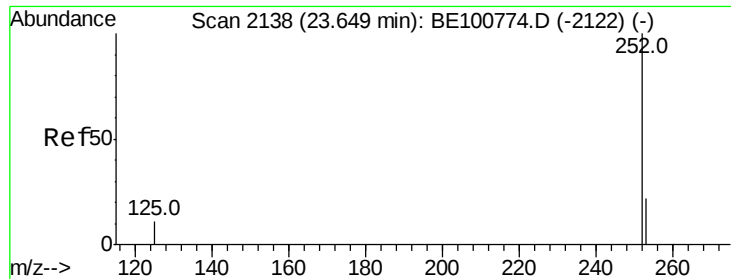
Tot Ion:252 Resp: 32231
Ion Ratio Lower Upper
252 100
253 22.5 17.8 26.6
125 12.4 8.3 12.5



#36
Benzo(k)fluoranthene
Concen: 0.315 ng
RT: 22.99 min Scan# 1953
Delta R.T. -0.05 min
Lab File: BE100920.D
Acq: 16 Dec 2019 15:07

Tgt Ion:252 Resp: 32231
Ion Ratio Lower Upper
252 100
253 22.5 17.8 26.6
125 12.4 9.4 14.0





#37

Benzo(a)pyrene

Concen: 0.383 ng

RT: 23.63 min Scan# 2132

Delta R.T. -0.00 min

Lab File: BE100920.D

Acq: 16 Dec 2019 15:07

Instrument :

BNA_E

ClientSampleId :

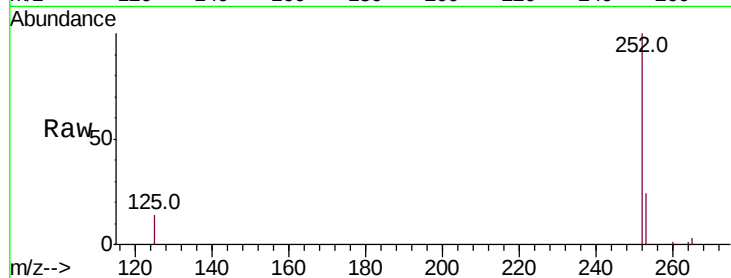
Tot Ion:252 Resp: 30190

Ion Ratio Lower Upper

252 100

253 23.8 17.8 26.8

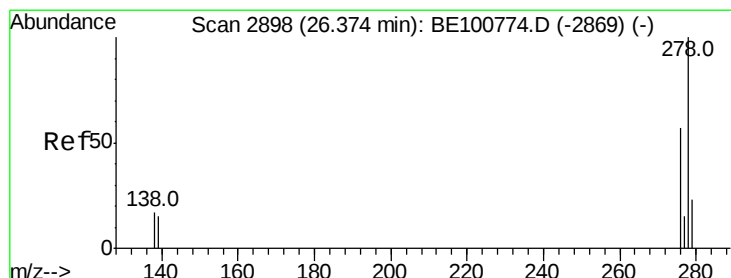
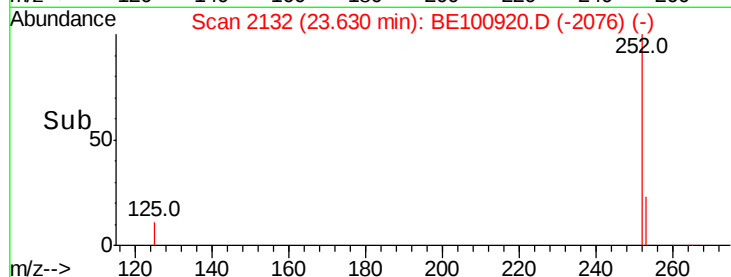
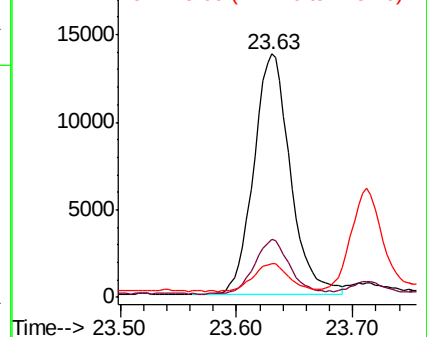
125 13.9 9.9 14.9



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: 0.344 ng

RT: 26.33 min Scan# 2886

Delta R.T. -0.01 min

Lab File: BE100920.D

Acq: 16 Dec 2019 15:07

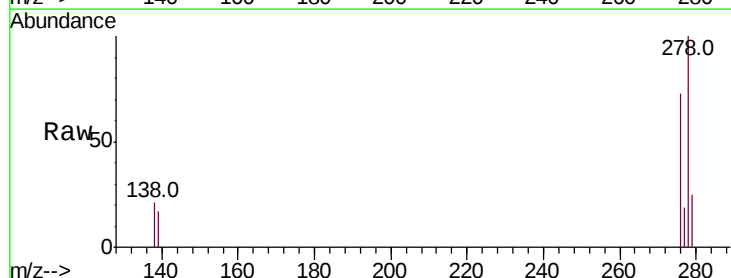
Tgt Ion:278 Resp: 27029

Ion Ratio Lower Upper

278 100

139 17.5 13.8 20.6

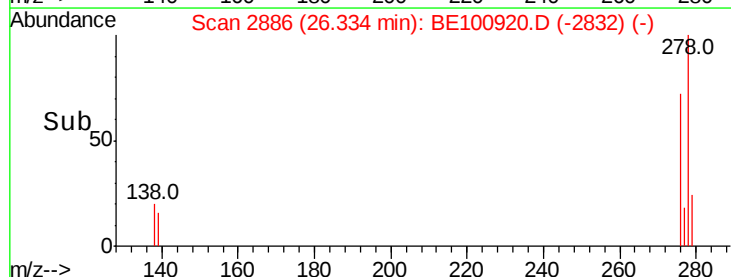
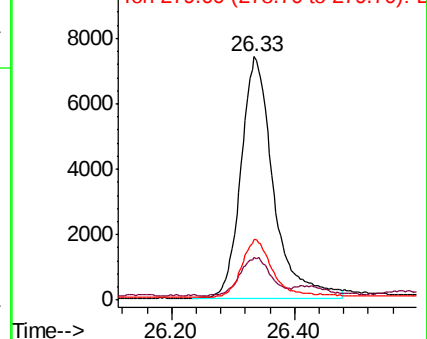
279 24.9 19.8 29.6

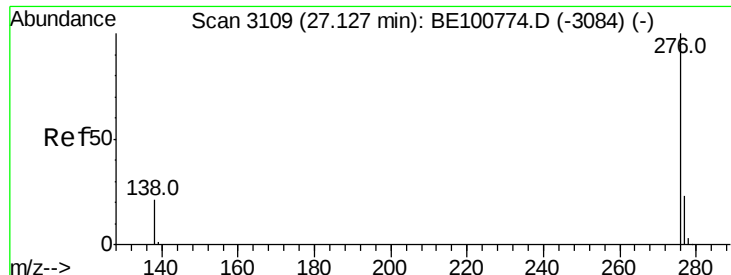


Abundance Ion 278.00 (277.70 to 278.70): E

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: 0.336 ng

RT: 27.09 min Scan# 3099

Delta R.T. -0.01 min

Lab File: BE100920.D

Acq: 16 Dec 2019 15:07

Instrument :

BNA_E

ClientSampleId :

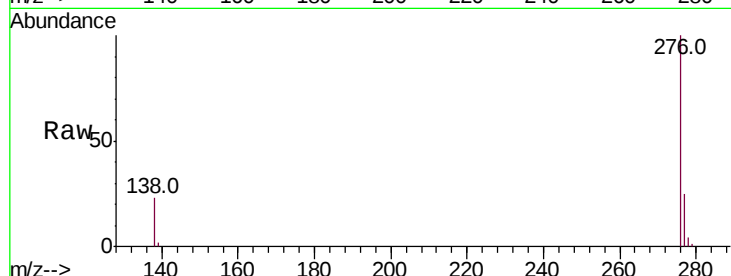
Tot Ion:276 Resp: 28222

Ion Ratio Lower Upper

276 100

277 25.2 19.7 29.5

138 23.3 18.0 27.0



Abundance Ion 276.00 (275.70 to 276.70): E
10000 Ion 277.00 (276.70 to 277.70): E
Ion 138.00 (137.70 to 138.70): E

