

Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE121619\
 Data File : BE100915.D
 Acq On : 16 Dec 2019 9:58
 Operator : JU
 Sample : SSTDCCC0.4
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :

Quant Time: Dec 16 14:10:53 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	4921	0.40	ng	0.00
7) Naphthalene-d8	10.54	136	22574	0.40	ng	0.00
13) Acenaphthene-d10	14.38	164	12532	0.40	ng	0.00
19) Phenanthrene-d10	17.12	188	26489	0.40	ng	0.00
27) Chrysene-d12	21.29	240	22273	0.40	ng	-0.01
34) Perylene-d12	23.74	264	24123	0.40	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Fluorophenol	5.37	112	5533	0.47	ng	0.00
5) Phenol-d6	6.93	99	8250	0.47	ng	0.00
8) Nitrobenzene-d5	8.90	82	6482	0.60	ng	0.00
11) 2-Methylnaphthalene-d10	12.14	152	14176	0.43	ng	0.00
14) 2,4,6-Tribromophenol	15.86	330	904	0.65	ng	-0.01
15) 2-Fluorobiphenyl	13.02	172	19422	0.39	ng	0.00
25) Fluoranthene-d10	19.15	212	111634	0.36	ng	0.00
29) Terphenyl-d14	19.75	244	23187	0.43	ng	0.00

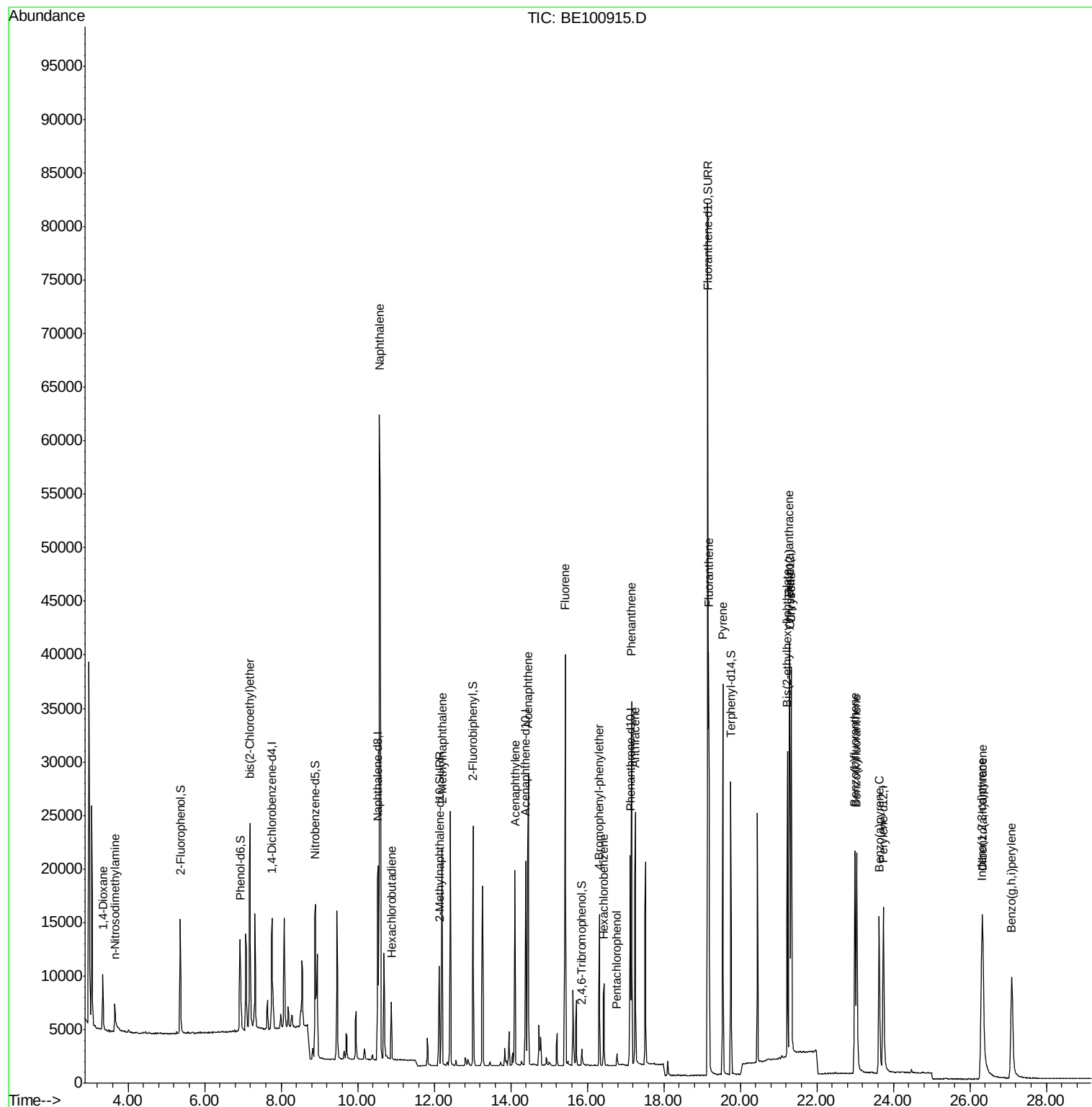
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) 1,4-Dioxane	3.34	88	3925	0.437	ng	100
3) n-Nitrosodimethylamine	3.65	42	3025	0.414	ng	# 97
6) bis(2-Chloroethyl)ether	7.19	93	7299	0.428	ng	95
9) Naphthalene	10.58	128	103497	0.431	ng	100
10) Hexachlorobutadiene	10.89	225	3897	0.417	ng	99
12) 2-Methylnaphthalene	12.21	142	16319	0.436	ng	99
16) Acenaphthylene	14.11	152	22424	0.433	ng	100
17) Acenaphthene	14.46	154	14982	0.419	ng	99
18) Fluorene	15.42	166	19379	0.421	ng	100
20) 4-Bromophenyl-phenylether	16.32	248	5643	0.434	ng	92
21) Hexachlorobenzene	16.44	284	6137	0.435	ng	99
22) Pentachlorophenol	16.77	266	631	0.646	ng	92
23) Phenanthrene	17.16	178	34020	0.424	ng	99
24) Anthracene	17.26	178	27074	0.403	ng	99
26) Fluoranthene	19.18	202	35108	0.367	ng	100
28) Pyrene	19.54	202	34674	0.479	ng	100
30) Benzo(a)anthracene	21.28	228	29156	0.444	ng	98
31) Chrysene	21.33	228	35112	0.455	ng	100
32) Bis(2-ethylhexyl)phthalate	21.23	149	31639	0.673	ng	99
33) Indeno(1,2,3-cd)pyrene	26.31	276	29338	0.437	ng	99
35) Benzo(b)fluoranthene	22.99	252	28583	0.433	ng	99
36) Benzo(k)fluoranthene	23.04	252	32357	0.437	ng	99
37) Benzo(a)pyrene	23.63	252	24863	0.435	ng	100
38) Dibenzo(a,h)anthracene	26.34	278	23497	0.413	ng	99
39) Benzo(g,h,i)perylene	27.10	276	25785	0.424	ng	98

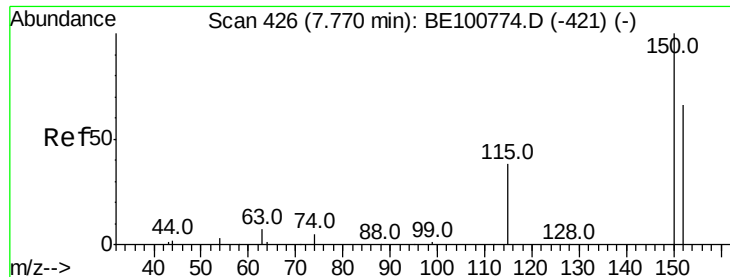
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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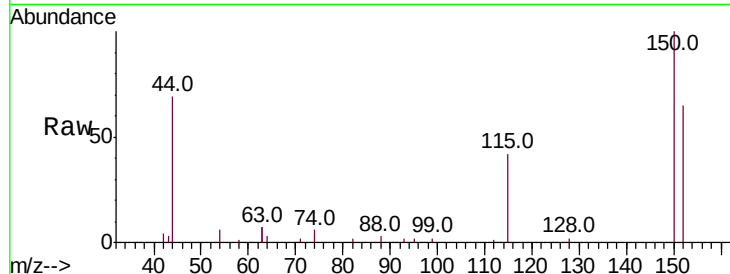


#1

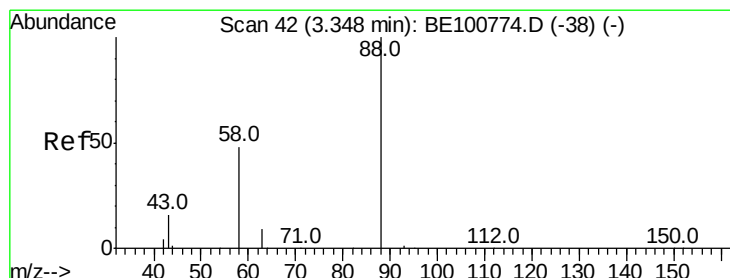
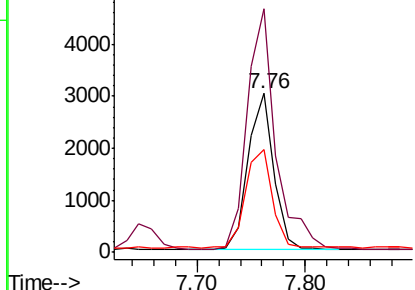
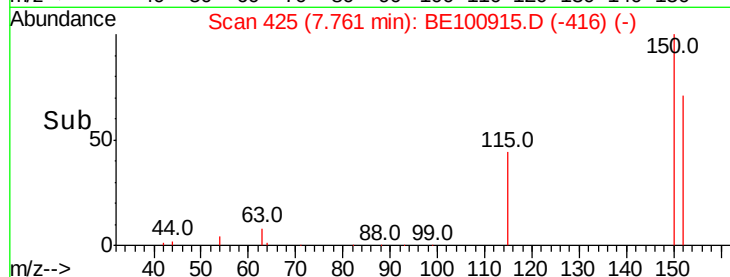
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.76 min Scan# 425
Delta R.T. 0.00 min
Lab File: BE100915.D
Acq: 16 Dec 2019 9:58

Instrument :
BNA_E
ClientSampleId :

Tot Ion:152 Resp: 4921
Ion Ratio Lower Upper
152 100
150 153.5 125.5 188.3
115 64.4 55.7 83.5



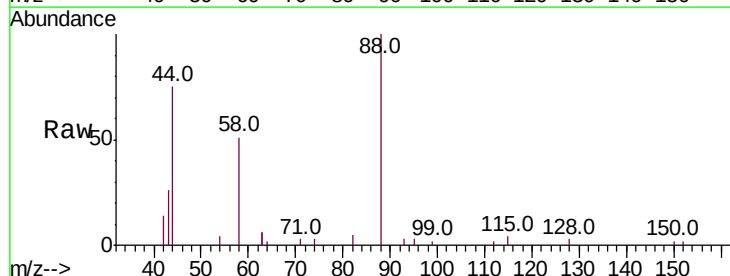
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



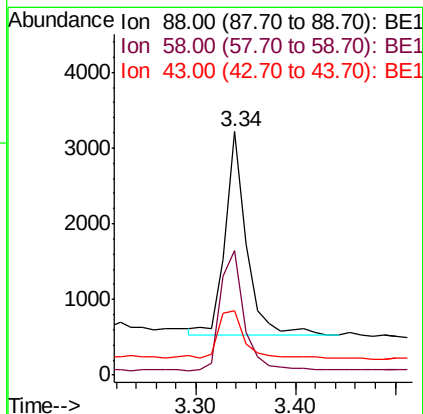
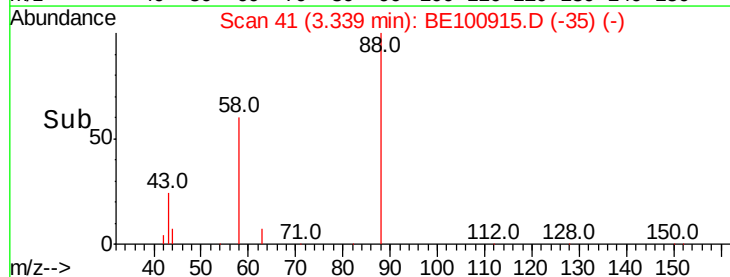
#2

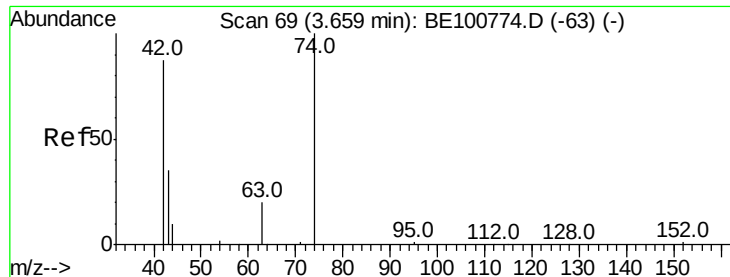
1,4-Dioxane
Concen: 0.437 ng
RT: 3.34 min Scan# 41
Delta R.T. 0.00 min
Lab File: BE100915.D
Acq: 16 Dec 2019 9:58

Tgt Ion: 88 Resp: 3925
Ion Ratio Lower Upper
88 100
58 65.8 52.3 78.5
43 29.4 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: 0.414 ng

RT: 3.65 min Scan# 68

Delta R.T. 0.00 min

Lab File: BE100915.D

Acq: 16 Dec 2019 9:58

Instrument :

BNA_E

ClientSampleId :

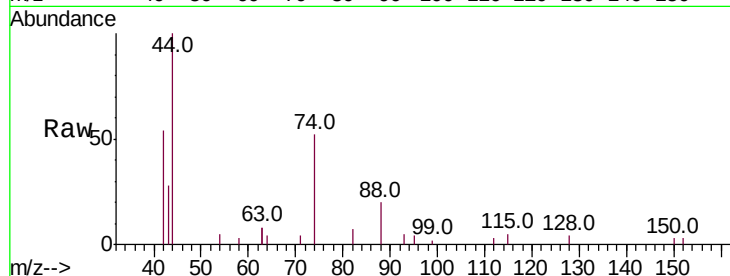
Tot Ion: 42 Resp: 3025

Ion Ratio Lower Upper

42 100

74 112.4 90.3 135.5

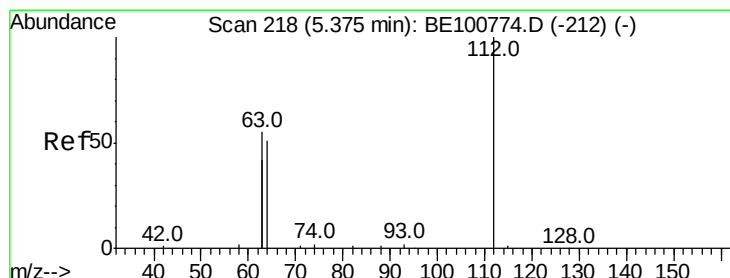
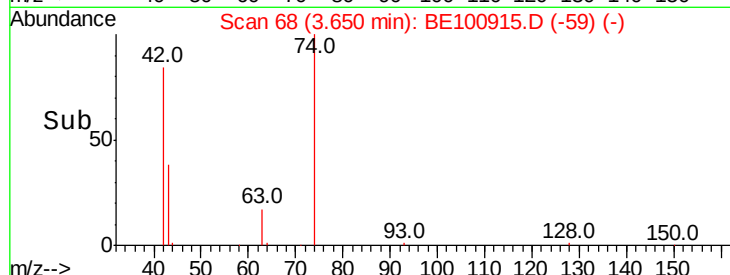
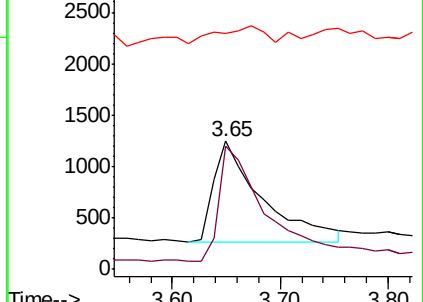
44 0.0 9.0 13.4#



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: 0.474 ng

RT: 5.37 min Scan# 217

Delta R.T. -0.01 min

Lab File: BE100915.D

Acq: 16 Dec 2019 9:58

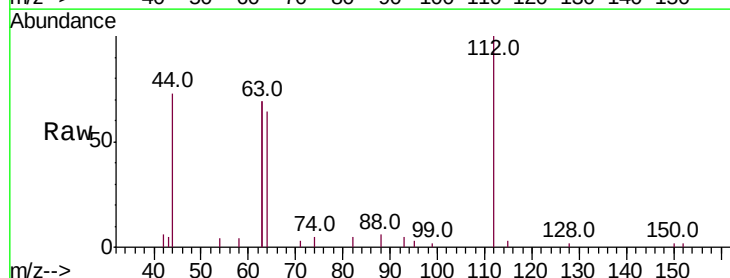
Tgt Ion: 112 Resp: 5533

Ion Ratio Lower Upper

112 100

64 67.8 54.5 81.7

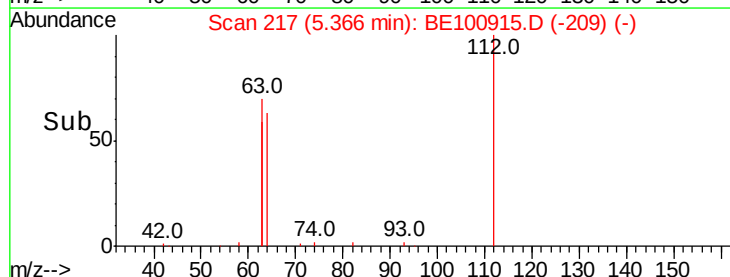
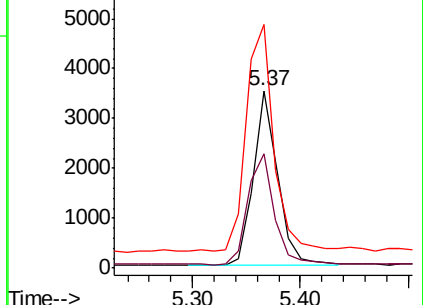
63 144.4 116.1 174.1

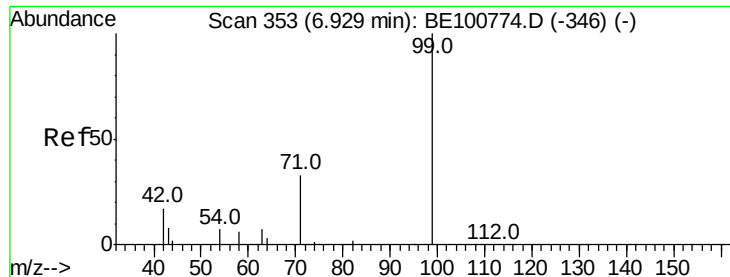


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BE1

Ion 63.00 (62.70 to 63.70): BE1





#5

Phenol-d6

Concen: 0.468 ng

RT: 6.93 min Scan# 353

Delta R.T. 0.00 min

Lab File: BE100915.D

Acq: 16 Dec 2019 9:58

Instrument :

BNA_E

ClientSampleId :

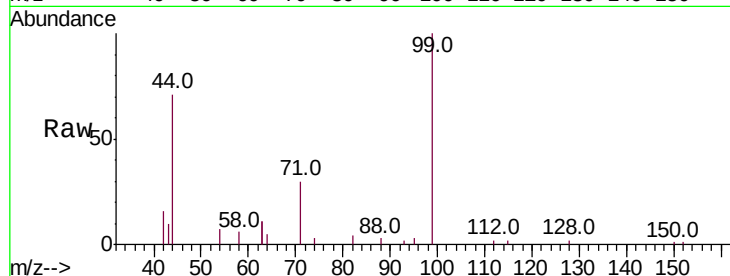
Tot Ion: 99 Resp: 8250

Ion Ratio Lower Upper

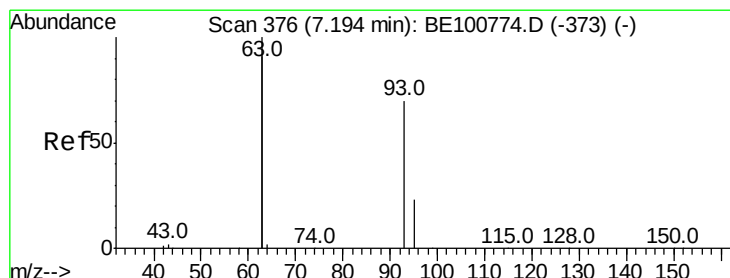
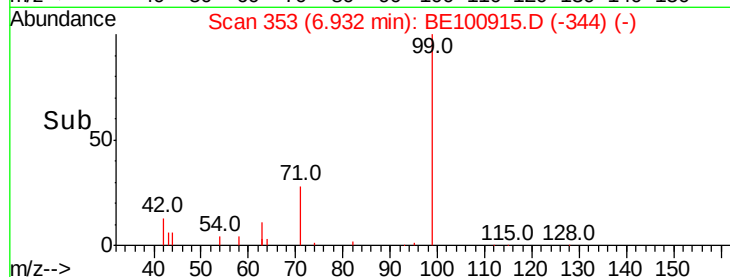
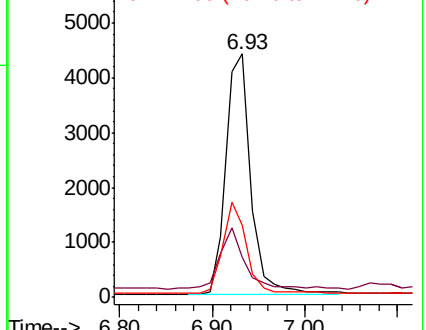
99 100

42 25.0 18.2 27.2

71 35.9 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: 0.428 ng

RT: 7.19 min Scan# 375

Delta R.T. 0.00 min

Lab File: BE100915.D

Acq: 16 Dec 2019 9:58

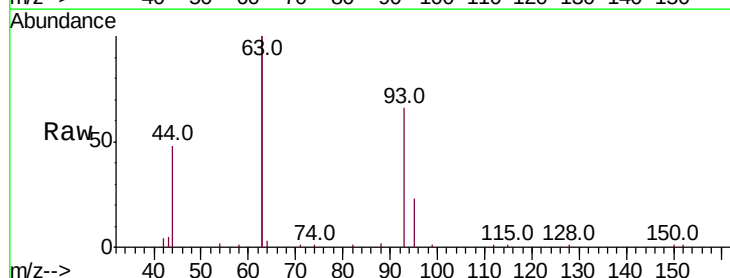
Tgt Ion: 93 Resp: 7299

Ion Ratio Lower Upper

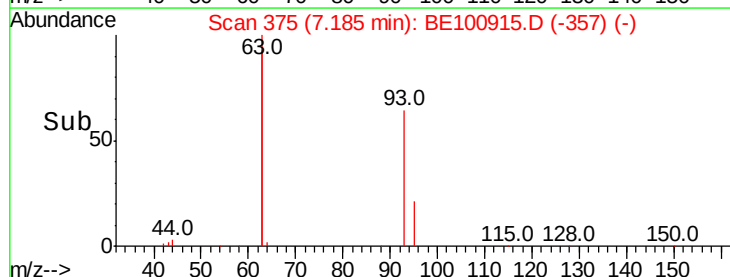
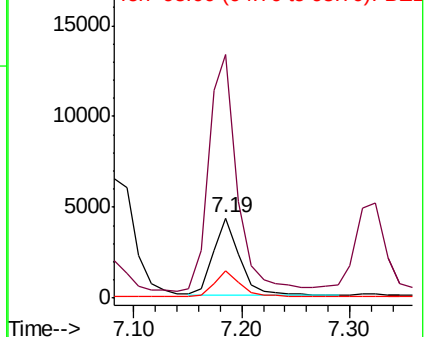
93 100

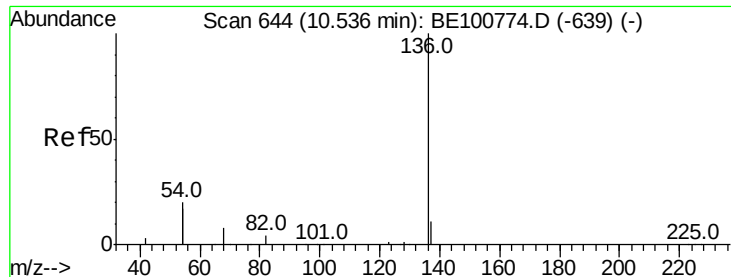
63 328.1 253.9 380.9

95 33.8 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: BE100915.D

Acq: 16 Dec 2019 9:58

Instrument :

BNA_E

ClientSampleId :

Tot Ion:136 Resp: 22574

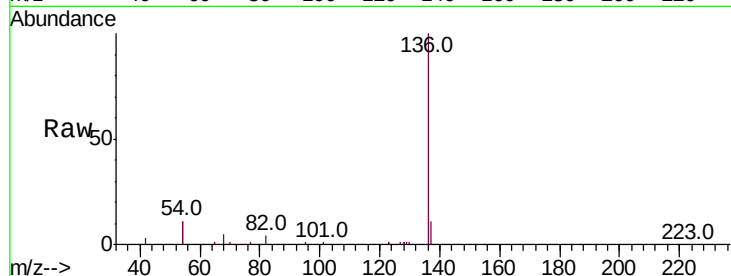
Ion Ratio Lower Upper

136 100

137 11.2 9.1 13.7

54 22.8 18.9 28.3

68 5.4 4.6 6.8

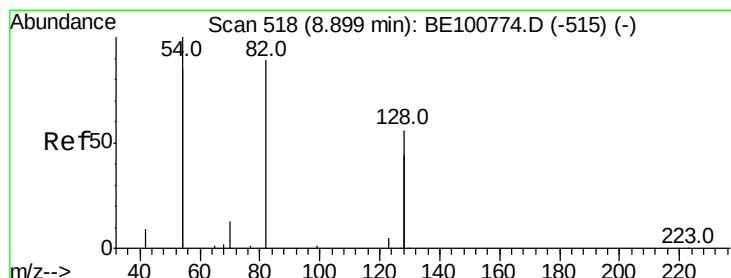
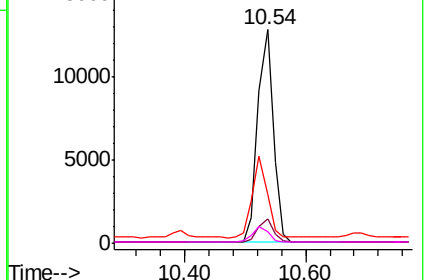
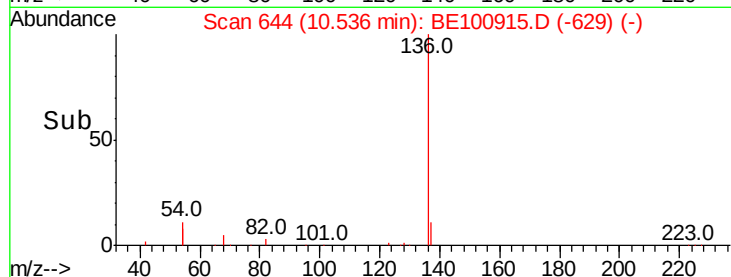


Abundance Ion 136.00 (135.70 to 136.70): E

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: 0.603 ng

RT: 8.90 min Scan# 518

Delta R.T. -0.00 min

Lab File: BE100915.D

Acq: 16 Dec 2019 9:58

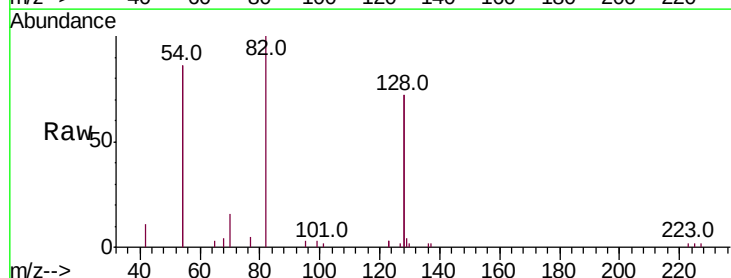
Tgt Ion: 82 Resp: 6482

Ion Ratio Lower Upper

82 100

128 145.0 113.5 170.3

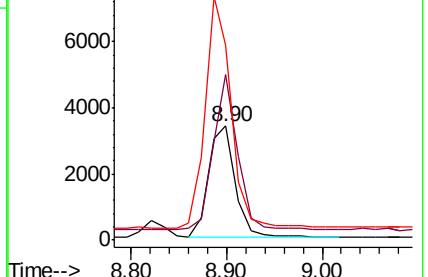
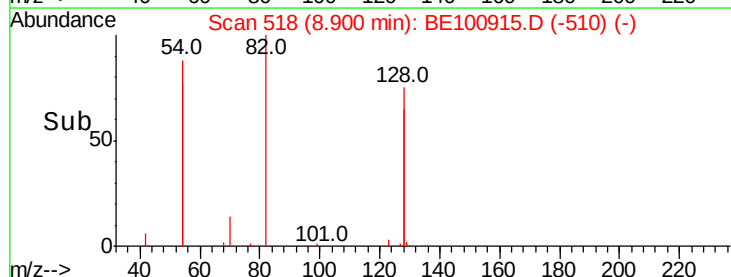
54 171.2 138.9 208.3

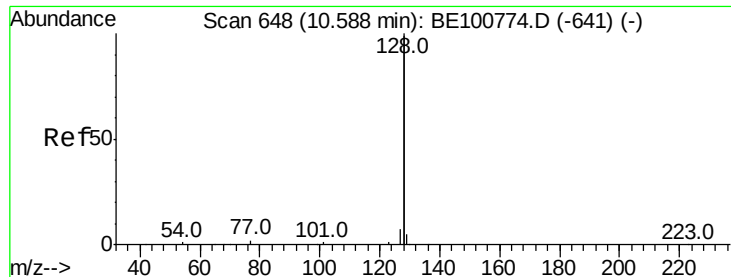


Abundance Ion 82.00 (81.70 to 82.70): BE1

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BE1





#9

Naphthalene

Concen: 0.431 ng

RT: 10.58 min Scan# 647

Delta R.T. -0.00 min

Lab File: BE100915.D

Acq: 16 Dec 2019 9:58

Instrument :

BNA_E

ClientSampleId :

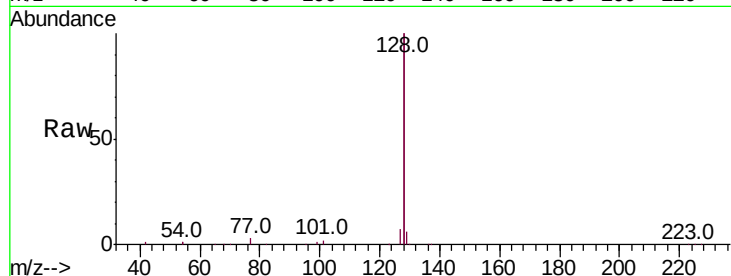
Tot Ion:128 Resp: 103497

Ion Ratio Lower Upper

128 100

129 2.8 2.2 3.4

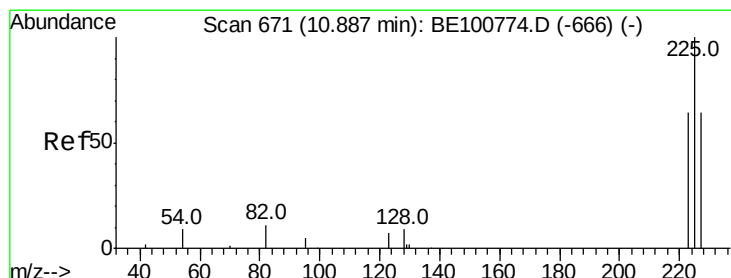
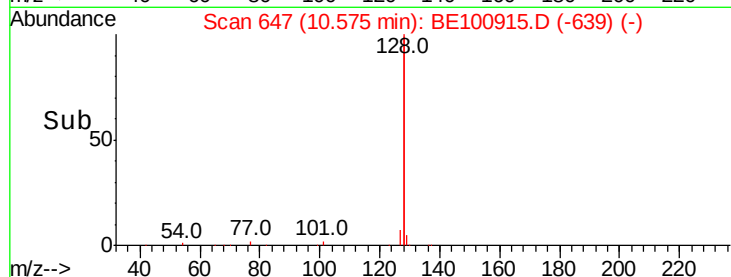
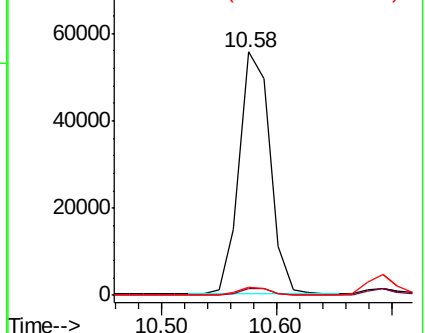
127 3.4 2.8 4.2



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: 0.417 ng

RT: 10.89 min Scan# 671

Delta R.T. -0.00 min

Lab File: BE100915.D

Acq: 16 Dec 2019 9:58

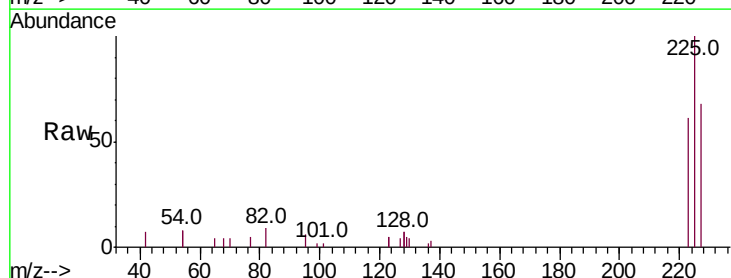
Tgt Ion:225 Resp: 3897

Ion Ratio Lower Upper

225 100

223 63.1 52.1 78.1

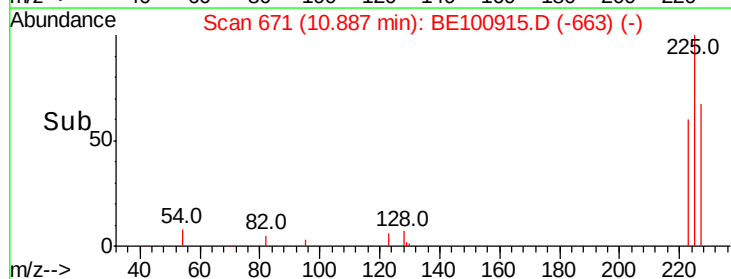
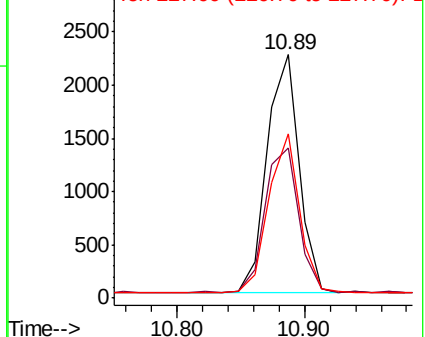
227 63.7 51.1 76.7

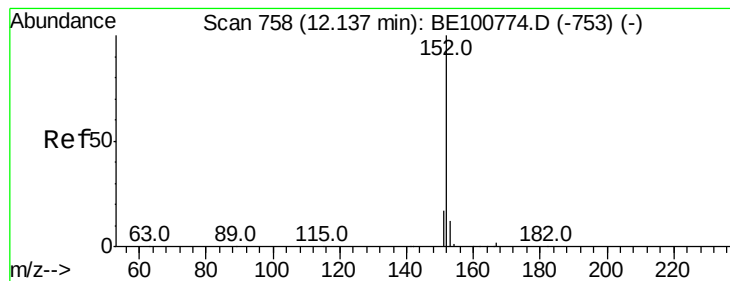


Abundance Ion 225.00 (224.70 to 225.70): E

Ion 223.00 (222.70 to 223.70): E

Ion 227.00 (226.70 to 227.70): E





#11

2-Methylnaphthalene-d10

Concen: 0.433 ng

RT: 12.14 min Scan# 758

Delta R.T. -0.00 min

Lab File: BE100915.D

Acq: 16 Dec 2019 9:58

Instrument :

BNA_E

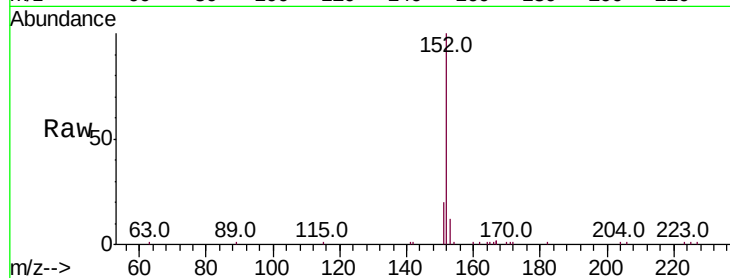
ClientSampleId :

Tot Ion:152 Resp: 14176

Ion Ratio Lower Upper

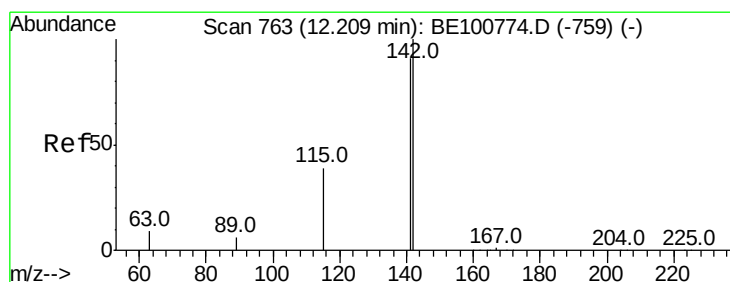
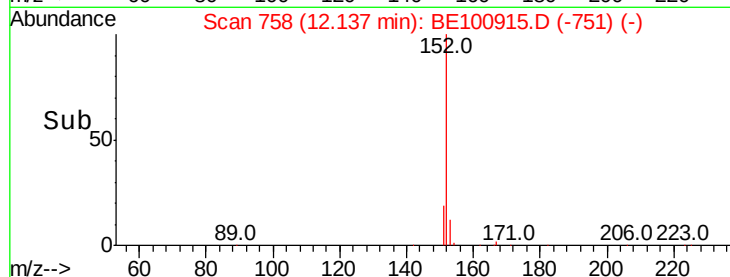
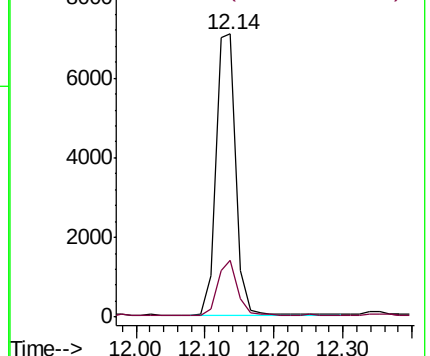
152 100

151 18.8 15.1 22.7



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E



#12

2-Methylnaphthalene

Concen: 0.436 ng

RT: 12.21 min Scan# 763

Delta R.T. -0.00 min

Lab File: BE100915.D

Acq: 16 Dec 2019 9:58

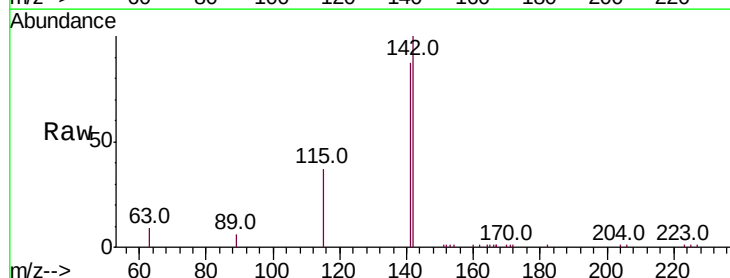
Tgt Ion:142 Resp: 16319

Ion Ratio Lower Upper

142 100

141 86.8 68.9 103.3

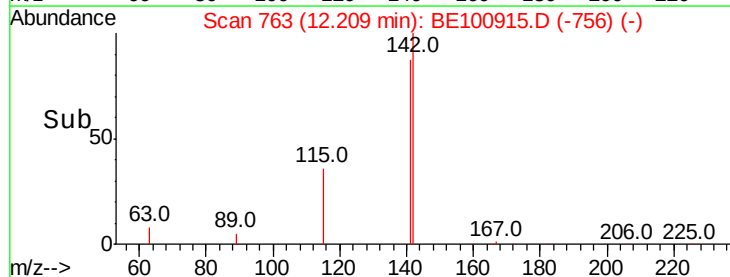
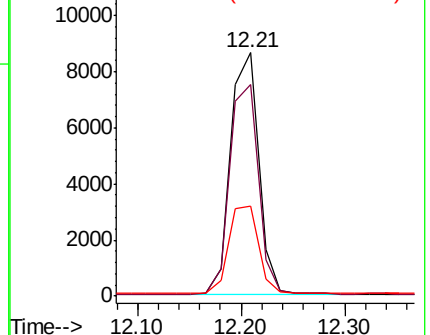
115 36.9 29.5 44.3

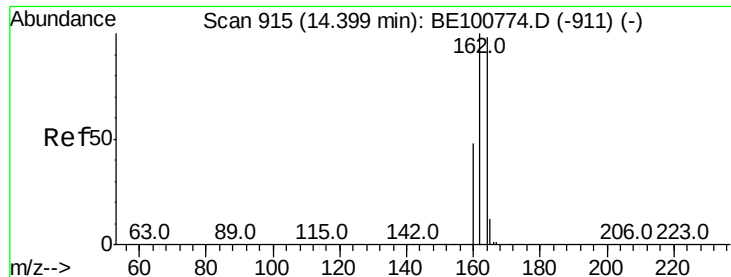


Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 115.00 (114.70 to 115.70): E

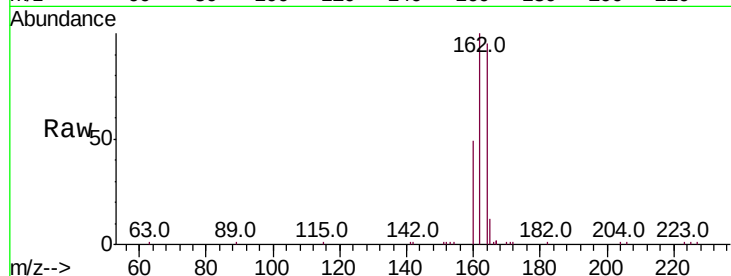




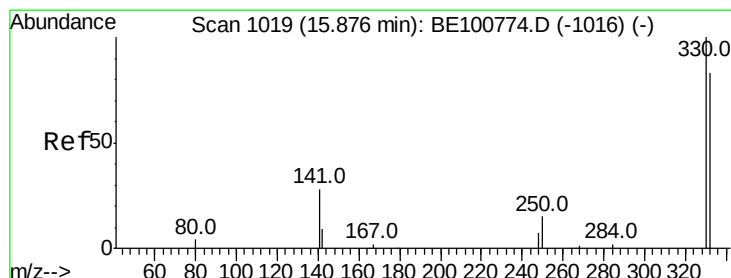
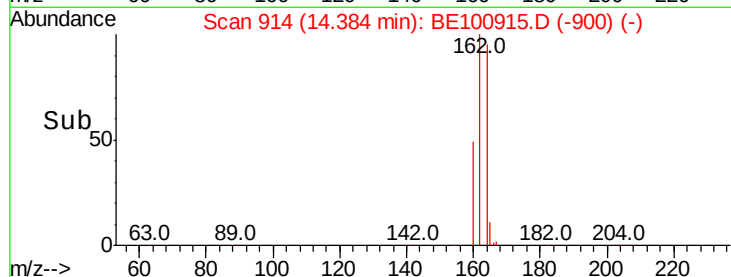
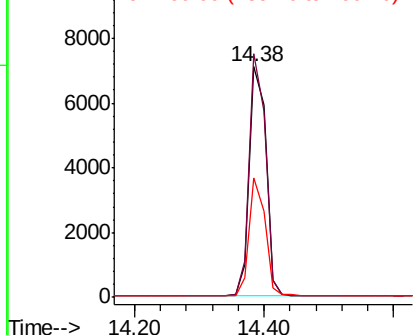
#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.38 min Scan# 914
Delta R.T. -0.00 min
Lab File: BE100915.D
Acq: 16 Dec 2019 9:58

Instrument :
BNA_E
ClientSampleId :

Tot Ion:164 Resp: 12532
Ion Ratio Lower Upper
164 100
162 105.6 86.0 129.0
160 51.7 42.3 63.5

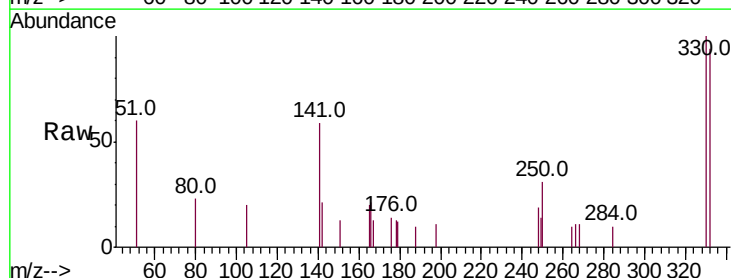


Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

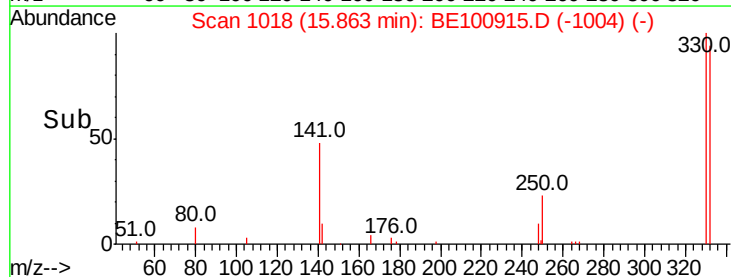
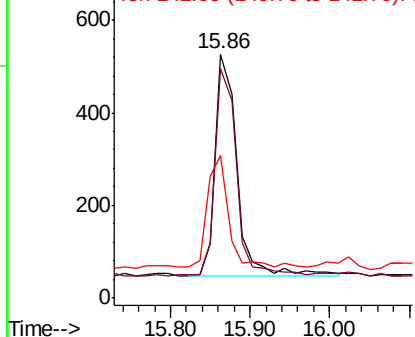


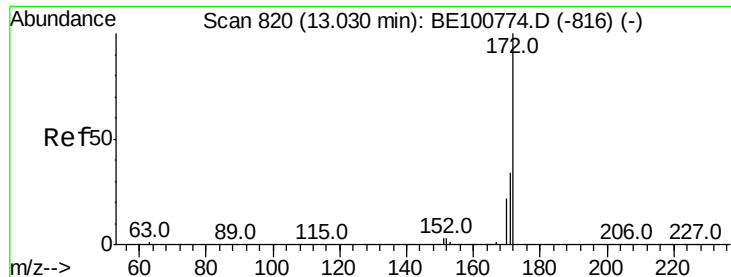
#14
2,4,6-Tribromophenol
Concen: 0.649 ng
RT: 15.86 min Scan# 1018
Delta R.T. -0.01 min
Lab File: BE100915.D
Acq: 16 Dec 2019 9:58

Tgt Ion:330 Resp: 904
Ion Ratio Lower Upper
330 100
332 92.9 74.1 111.1
141 48.5 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

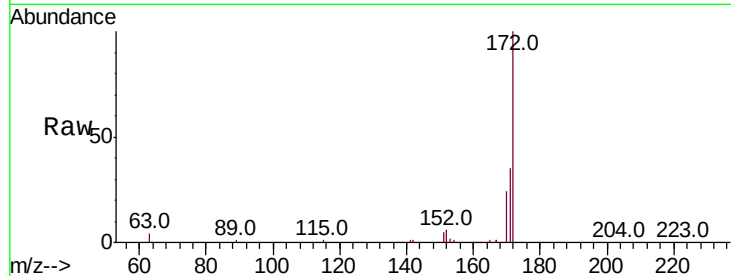




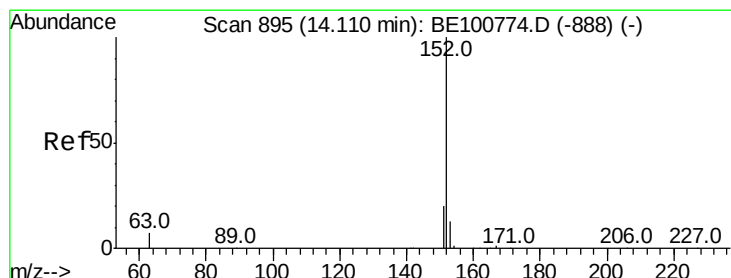
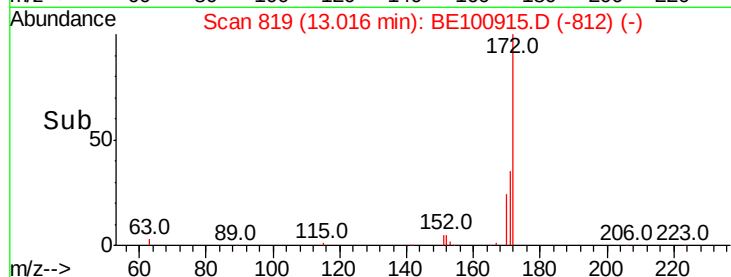
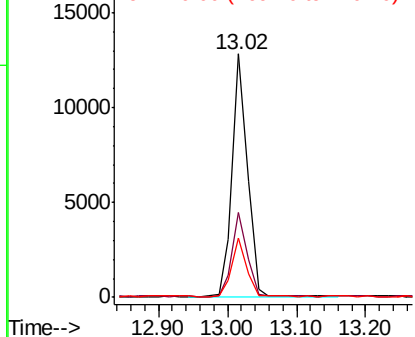
#15
2-Fluorobiphenyl
Concen: 0.391 ng
RT: 13.02 min Scan# 819
Delta R.T. -0.00 min
Lab File: BE100915.D
Acq: 16 Dec 2019 9:58

Instrument :
BNA_E
ClientSampleId :

Tot Ion:172 Resp: 19422
Ion Ratio Lower Upper
172 100
171 34.8 28.2 42.4
170 24.4 19.4 29.0

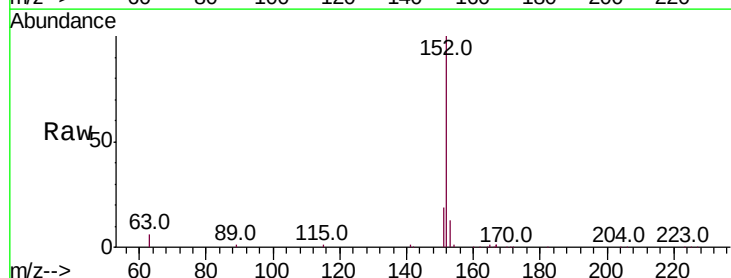


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

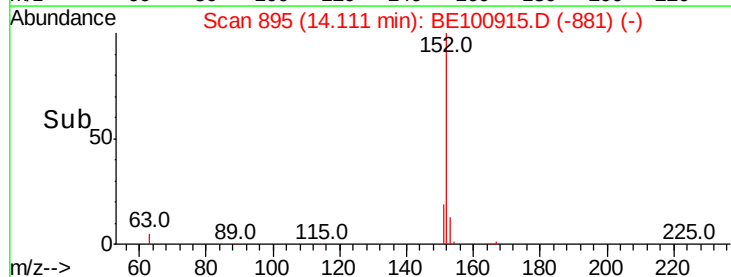
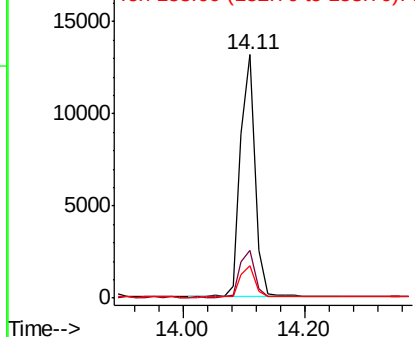


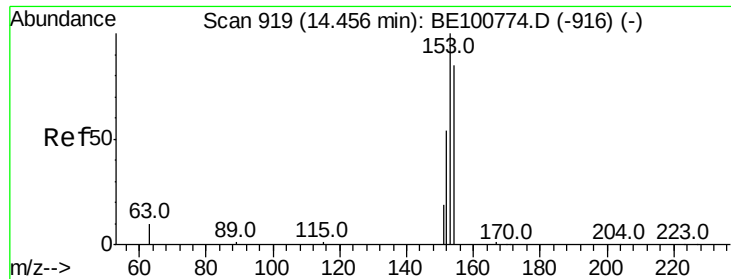
#16
Acenaphthylene
Concen: 0.433 ng
RT: 14.11 min Scan# 895
Delta R.T. -0.00 min
Lab File: BE100915.D
Acq: 16 Dec 2019 9:58

Tgt Ion:152 Resp: 22424
Ion Ratio Lower Upper
152 100
151 19.8 15.9 23.9
153 13.1 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: 0.419 ng

RT: 14.46 min Scan# 919

Delta R.T. -0.00 min

Lab File: BE100915.D

Acq: 16 Dec 2019 9:58

Instrument :

BNA_E

ClientSampled :

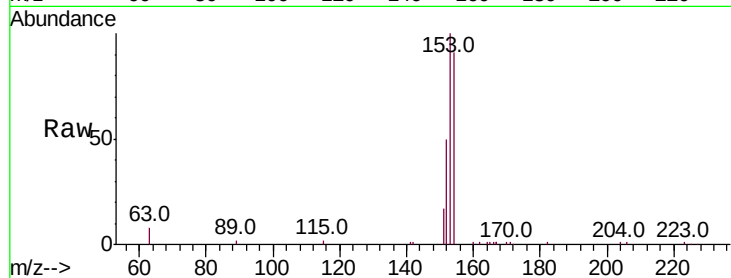
Tot Ion:154 Resp: 14982

Ion Ratio Lower Upper

154 100

153 115.3 91.5 137.3

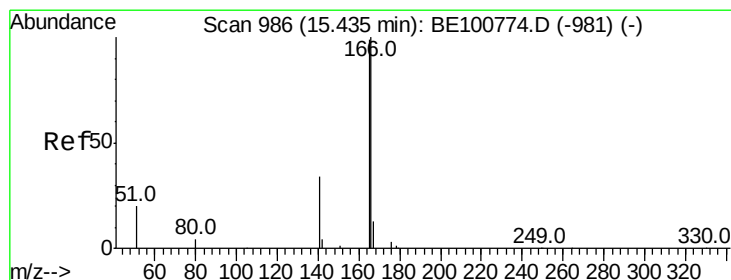
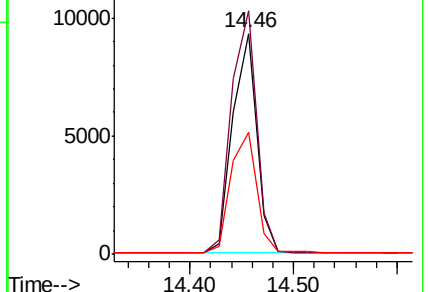
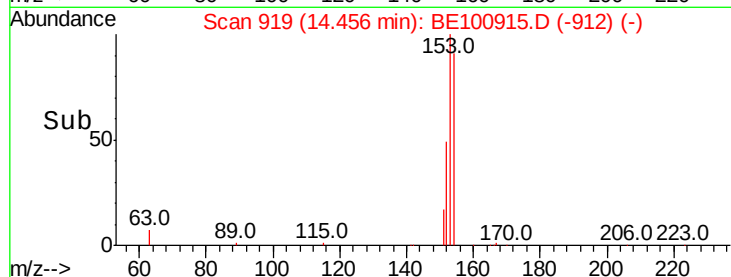
152 58.7 47.7 71.5



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: 0.421 ng

RT: 15.42 min Scan# 985

Delta R.T. 0.00 min

Lab File: BE100915.D

Acq: 16 Dec 2019 9:58

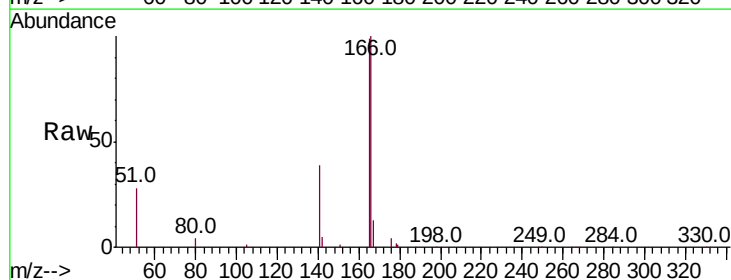
Tgt Ion:166 Resp: 19379

Ion Ratio Lower Upper

166 100

165 99.8 80.2 120.4

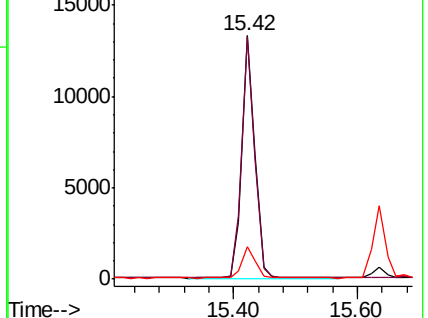
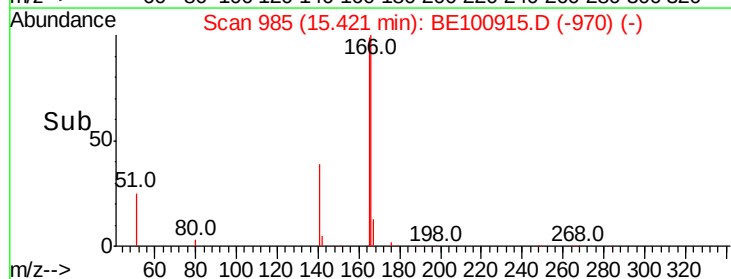
167 13.3 10.6 16.0

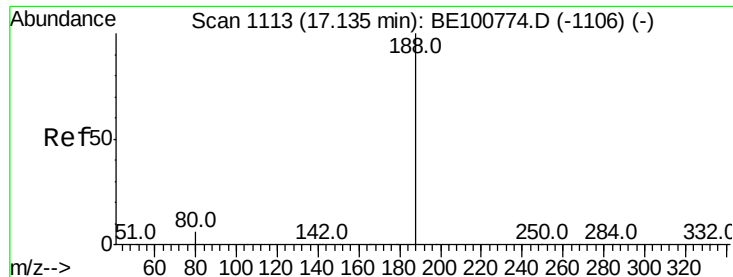


Abundance Ion 166.00 (165.70 to 166.70): E

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

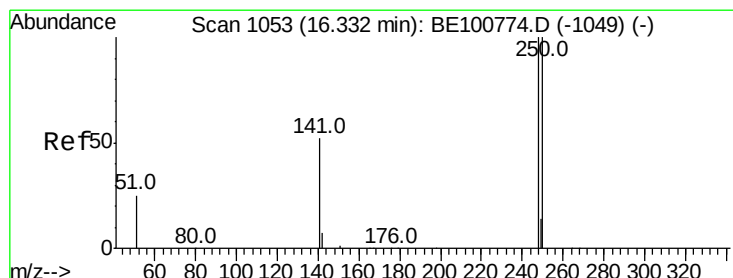
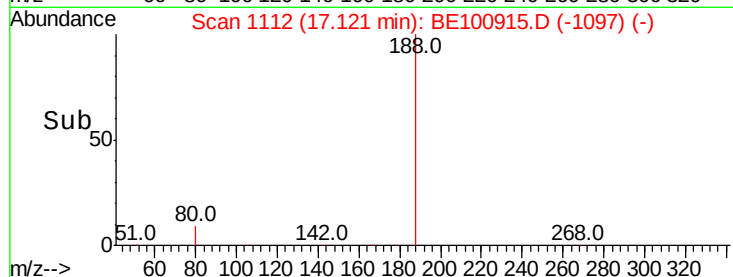
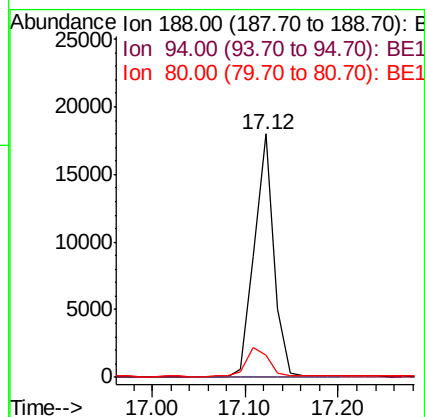
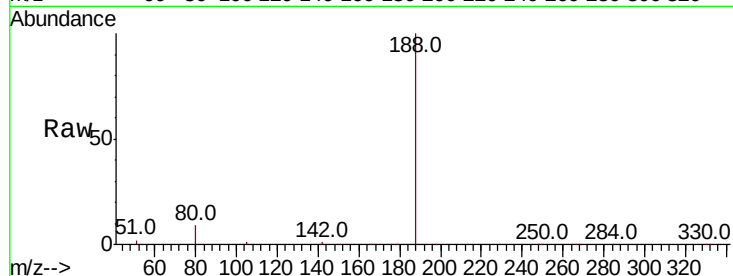
Lab File: BE100915.D

Acq: 16 Dec 2019 9:58

Instrument :
BNA_E
ClientSampleId :

Tot Ion:188 Resp: 26489

Ion	Ratio	Lower	Upper
188	100		
94	0.0	0.0	0.0
80	9.2	7.9	11.9



#20

4-Bromophenyl-phenylether

Concen: 0.434 ng

RT: 16.32 min Scan# 1052

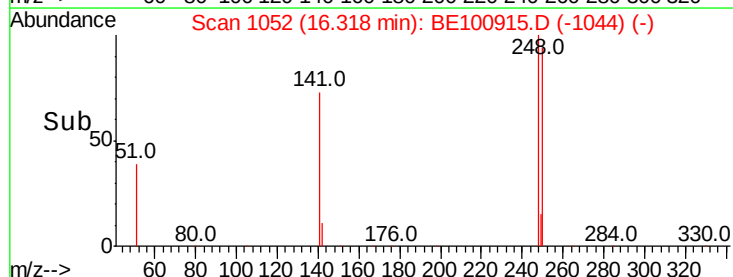
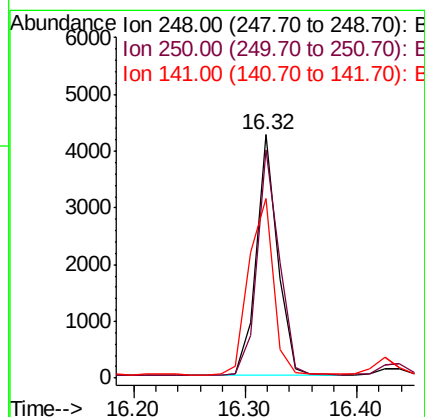
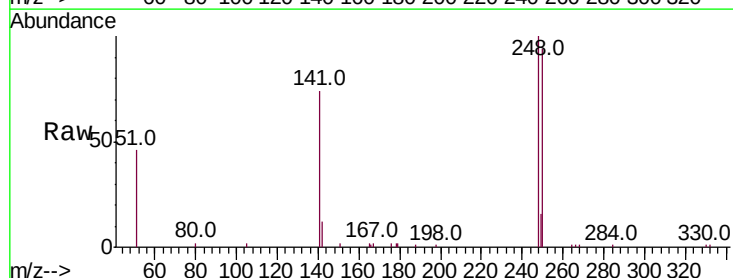
Delta R.T. 0.00 min

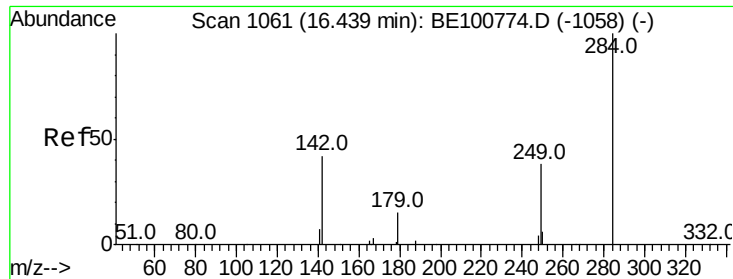
Lab File: BE100915.D

Acq: 16 Dec 2019 9:58

Tgt Ion:248 Resp: 5643

Ion	Ratio	Lower	Upper
248	100		
250	93.6	72.4	108.6
141	73.7	68.2	102.2

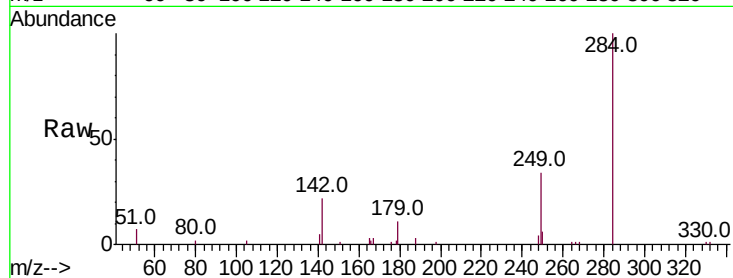




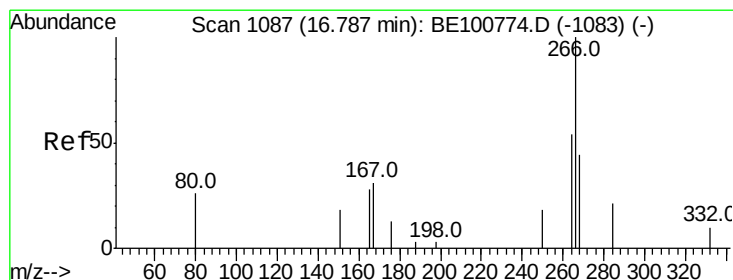
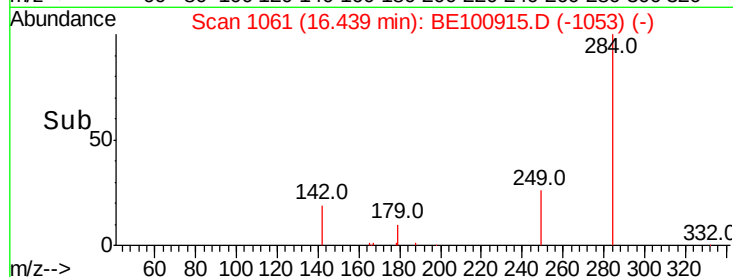
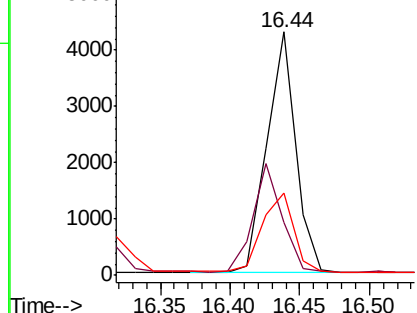
#21
Hexachlorobenzene
Concen: 0.435 ng
RT: 16.44 min Scan# 1061
Delta R.T. 0.00 min
Lab File: BE100915.D
Acq: 16 Dec 2019 9:58

Instrument :
BNA_E
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
284	100		
142	44.6	35.0	52.4
249	35.4	28.1	42.1

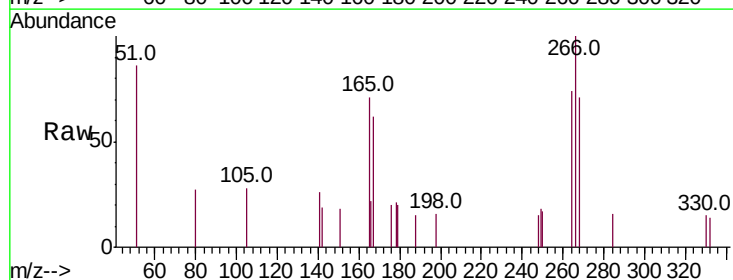


Abundance Ion 283.80 (283.50 to 284.50): E
Ion 142.00 (141.70 to 142.70): E
Ion 249.00 (248.70 to 249.70): E

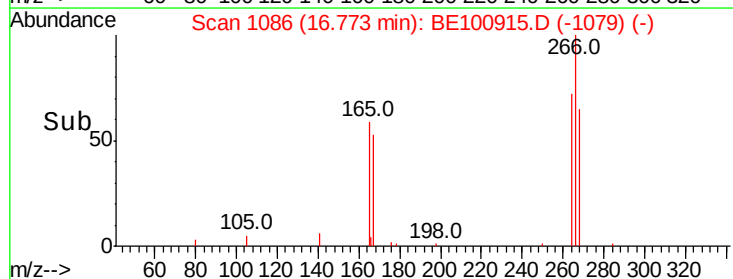
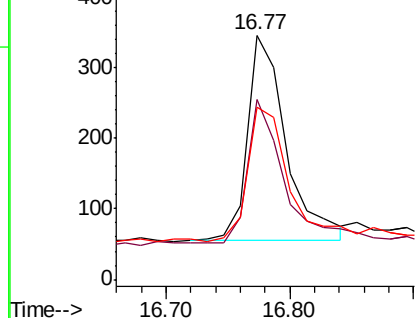


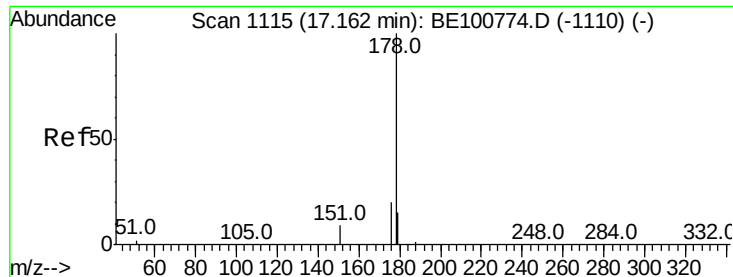
#22
Pentachlorophenol
Concen: 0.646 ng
RT: 16.77 min Scan# 1086
Delta R.T. -0.01 min
Lab File: BE100915.D
Acq: 16 Dec 2019 9:58

Tgt Ion	Ratio	Lower	Upper
266	100		
264	74.0	55.1	82.7
268	70.5	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: 0.424 ng

RT: 17.16 min Scan# 1115

Delta R.T. 0.00 min

Lab File: BE100915.D

Acq: 16 Dec 2019 9:58

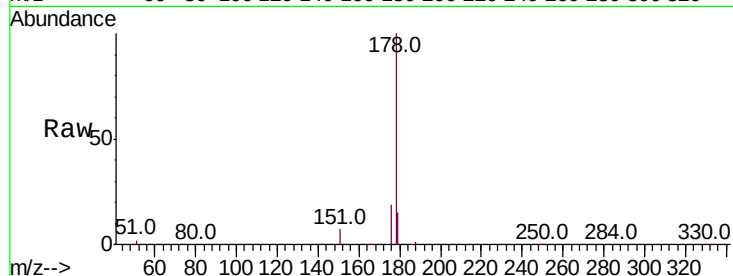
Instrument :

BNA_E

ClientSampleId :

Tot Ion:178 Resp: 34020

Ion	Ratio	Lower	Upper
178	100		
176	18.8	15.6	23.4
179	15.2	11.9	17.9

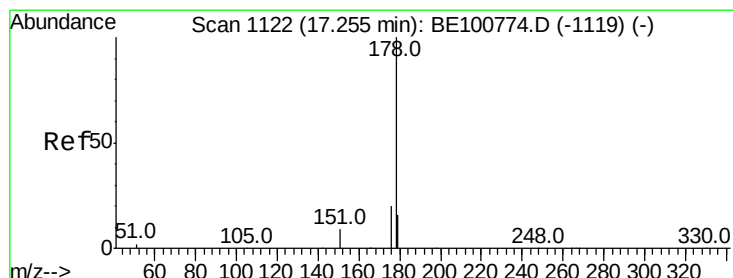
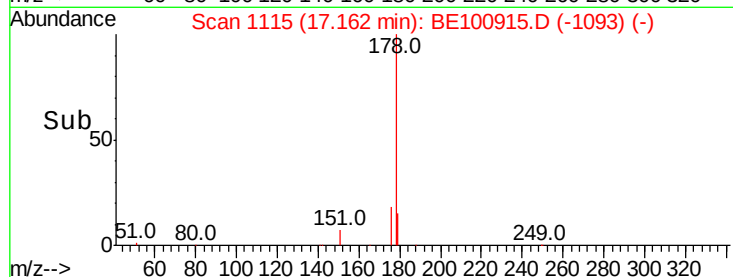
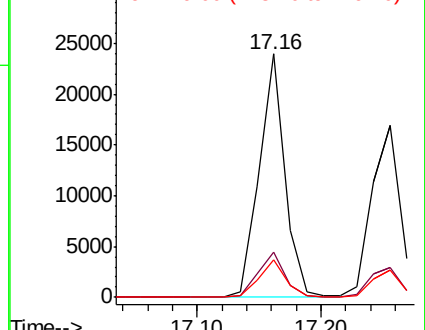


Abundance

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: 0.403 ng

RT: 17.26 min Scan# 1122

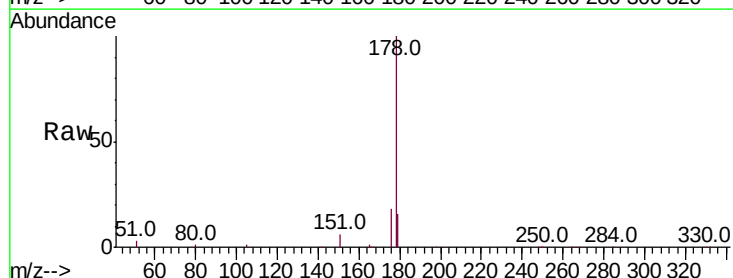
Delta R.T. 0.00 min

Lab File: BE100915.D

Acq: 16 Dec 2019 9:58

Tgt Ion:178 Resp: 27074

Ion	Ratio	Lower	Upper
178	100		
176	18.1	14.7	22.1
179	15.6	12.2	18.4

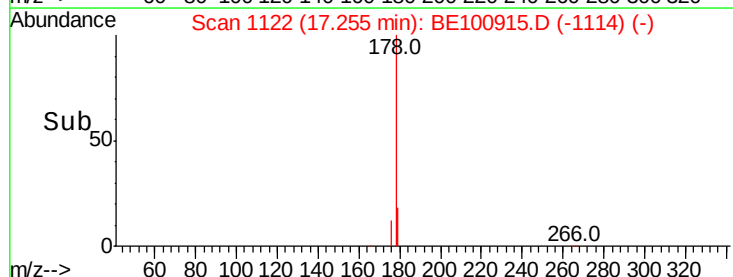
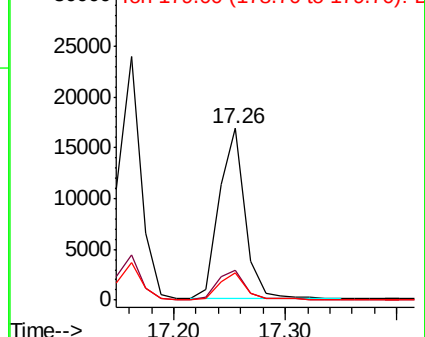


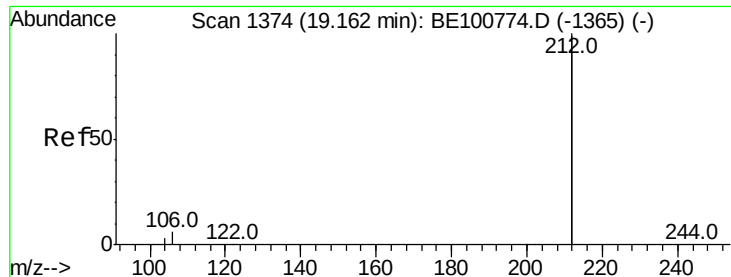
Abundance

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: 0.357 ng

RT: 19.15 min Scan# 1372

Delta R.T. -0.00 min

Lab File: BE100915.D

Acq: 16 Dec 2019 9:58

Instrument :

BNA_E

ClientSampleId :

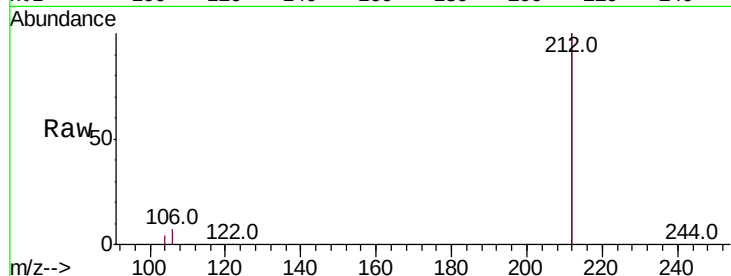
Tot Ion:212 Resp: 111634

Ion Ratio Lower Upper

212 100

106 3.3 2.6 4.0

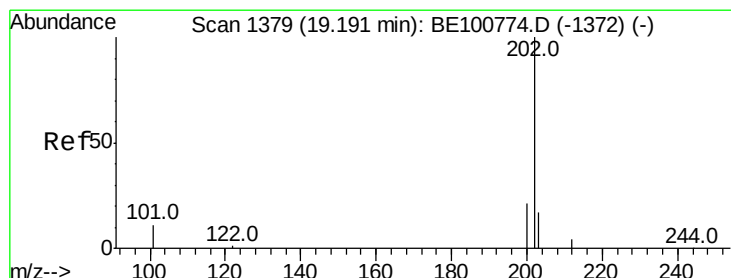
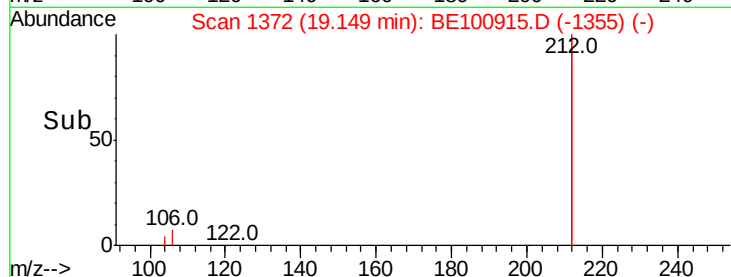
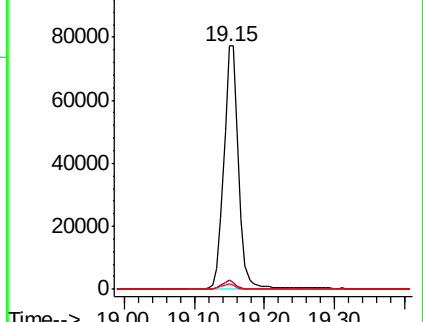
104 1.9 1.4 2.2



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: 0.367 ng

RT: 19.18 min Scan# 1378

Delta R.T. -0.00 min

Lab File: BE100915.D

Acq: 16 Dec 2019 9:58

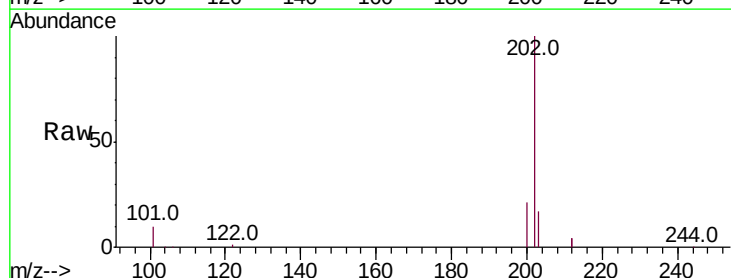
Tgt Ion:202 Resp: 35108

Ion Ratio Lower Upper

202 100

101 11.5 9.4 14.0

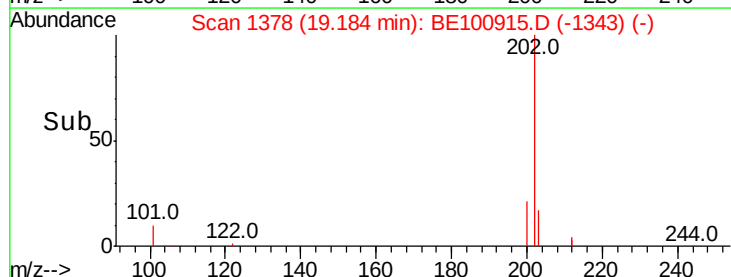
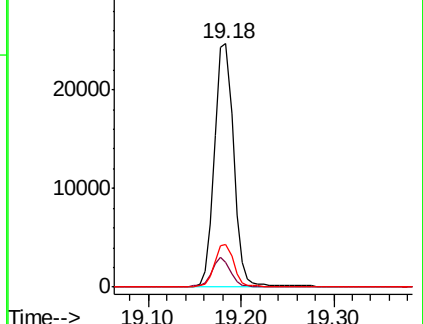
203 17.0 13.7 20.5

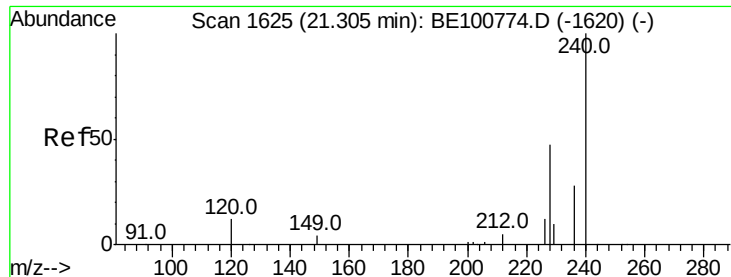


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E

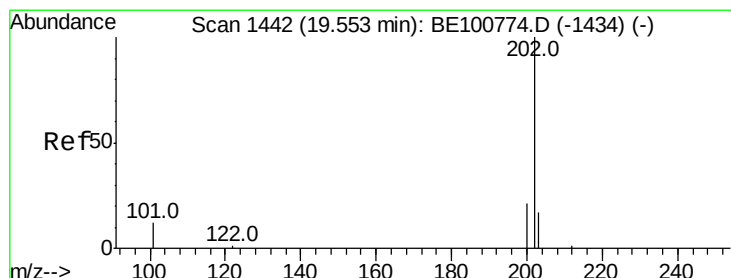
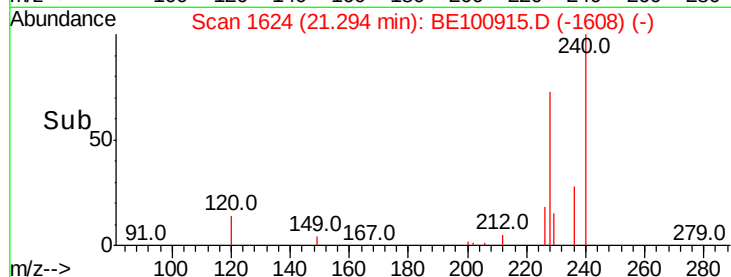
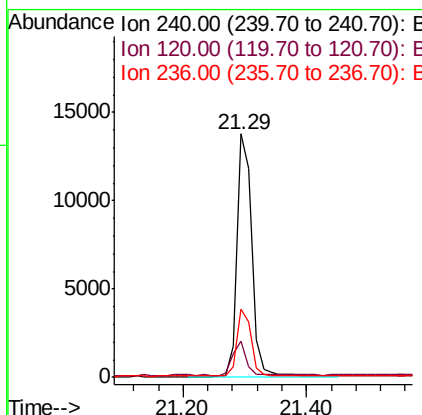
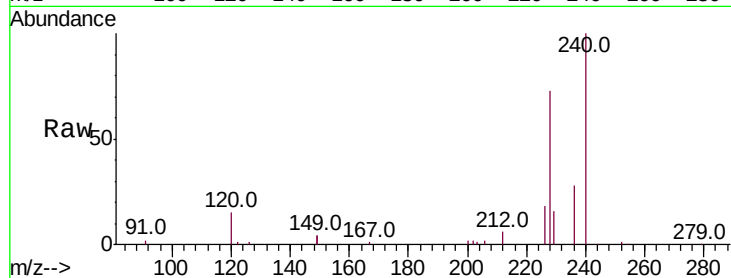




#27
Chrysene-d12
Concen: 0.400 ng
RT: 21.29 min Scan# 1624
Delta R.T. -0.01 min
Lab File: BE100915.D
Acq: 16 Dec 2019 9:58

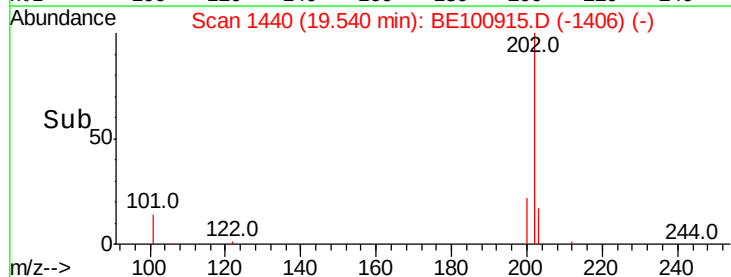
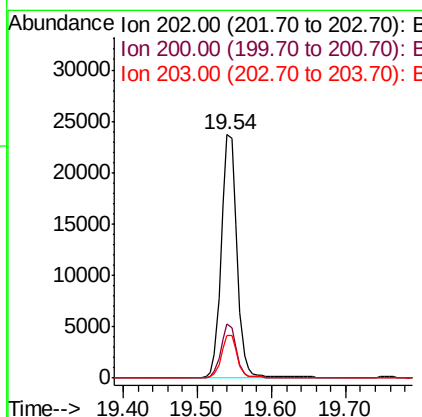
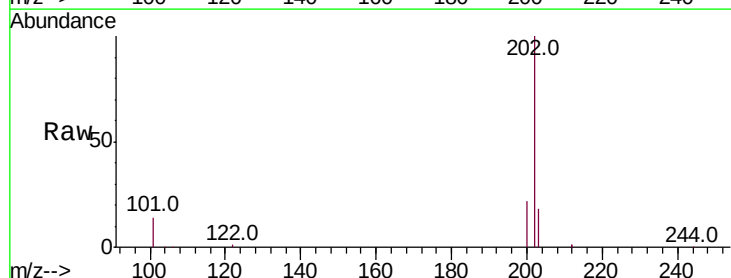
Instrument :
BNA_E
ClientSampleId :

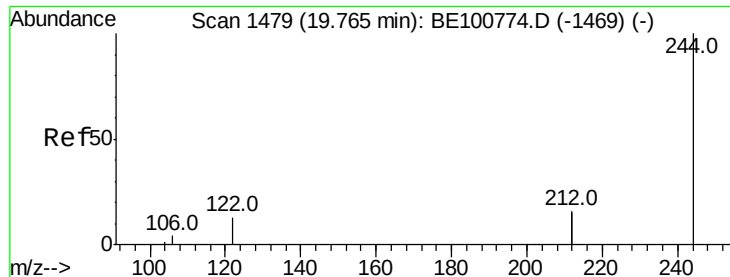
Tot Ion:240 Resp: 22273
Ion Ratio Lower Upper
240 100
120 14.9 4.0 6.0#
236 28.2 21.6 32.4



#28
Pyrene
Concen: 0.479 ng
RT: 19.54 min Scan# 1440
Delta R.T. -0.01 min
Lab File: BE100915.D
Acq: 16 Dec 2019 9:58

Tgt Ion:202 Resp: 34674
Ion Ratio Lower Upper
202 100
200 21.3 17.0 25.4
203 17.4 13.8 20.8





#29

Terphenyl-d14

Concen: 0.435 ng

RT: 19.75 min Scan# 1477

Delta R.T. -0.01 min

Lab File: BE100915.D

Acq: 16 Dec 2019 9:58

Instrument :

BNA_E

ClientSampleId :

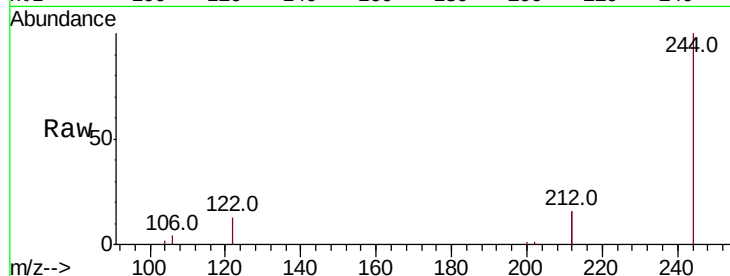
Tot Ion:244 Resp: 23187

Ion Ratio Lower Upper

244 100

212 31.7 25.2 37.8

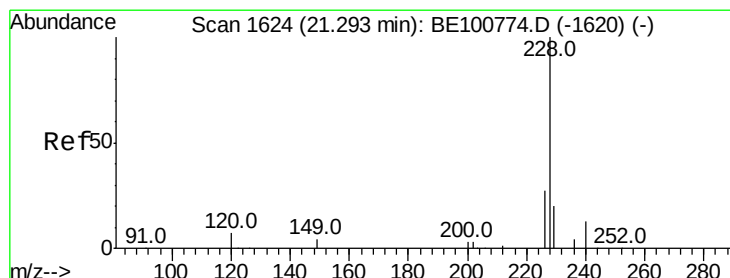
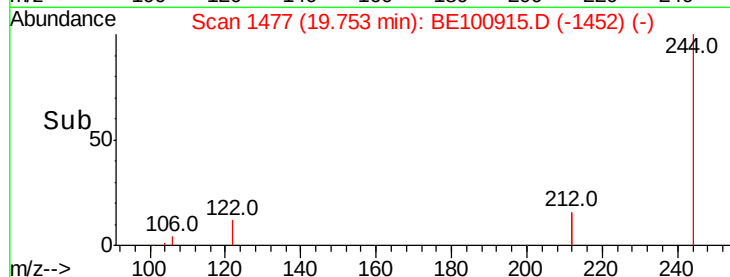
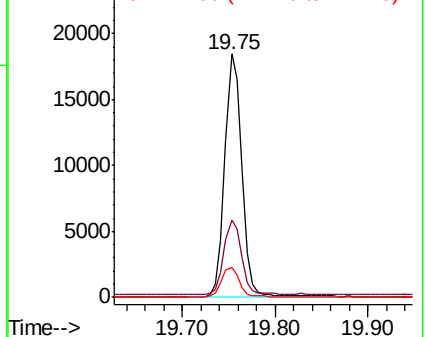
122 12.5 8.9 13.3



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: 0.444 ng

RT: 21.28 min Scan# 1623

Delta R.T. 0.00 min

Lab File: BE100915.D

Acq: 16 Dec 2019 9:58

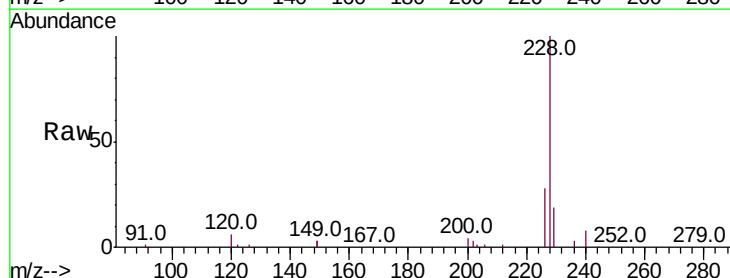
Tgt Ion:228 Resp: 29156

Ion Ratio Lower Upper

228 100

226 28.1 21.4 32.0

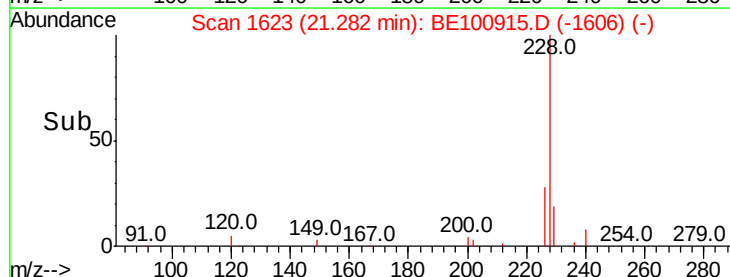
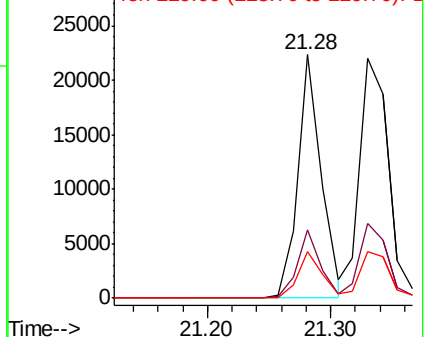
229 19.1 15.8 23.6

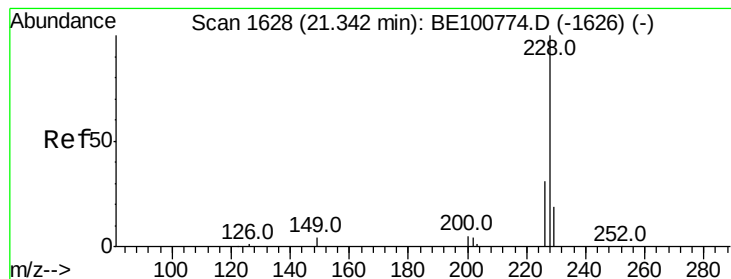


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#31

Chrysene

Concen: 0.455 ng

RT: 21.33 min Scan# 1627

Delta R.T. 0.00 min

Lab File: BE100915.D

Acq: 16 Dec 2019 9:58

Instrument :

BNA_E

ClientSampled :

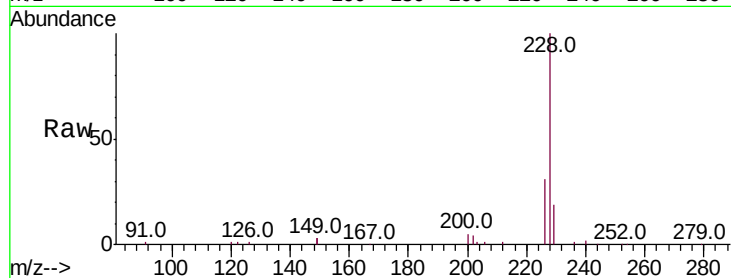
Tot Ion:228 Resp: 35112

Ion Ratio Lower Upper

228 100

226 31.4 25.3 37.9

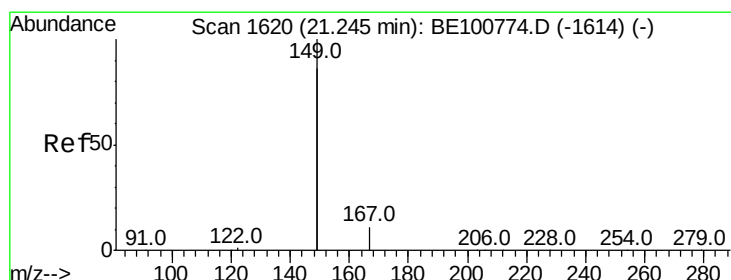
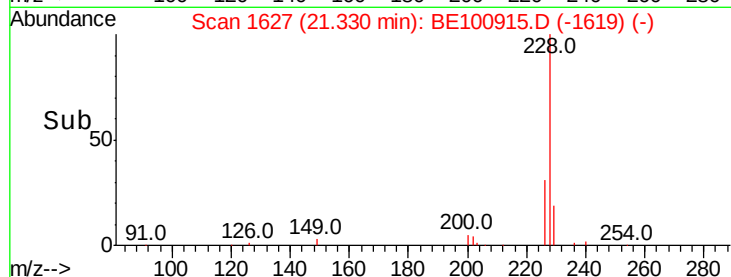
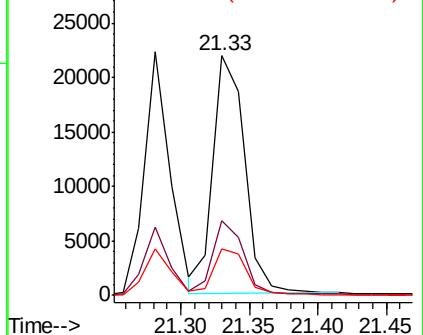
229 19.3 15.2 22.8



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: 0.673 ng

RT: 21.23 min Scan# 1619

Delta R.T. 0.00 min

Lab File: BE100915.D

Acq: 16 Dec 2019 9:58

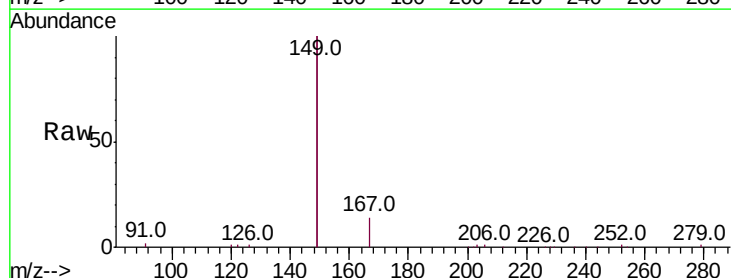
Tgt Ion:149 Resp: 31639

Ion Ratio Lower Upper

149 100

167 6.6 5.0 7.4

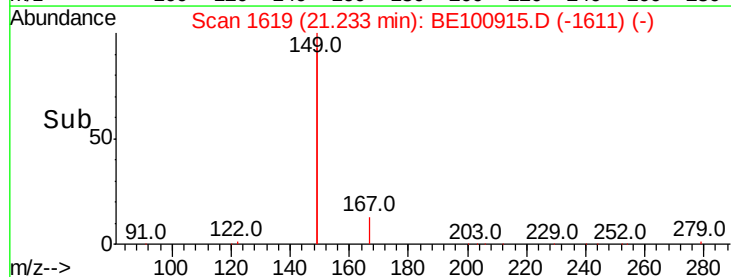
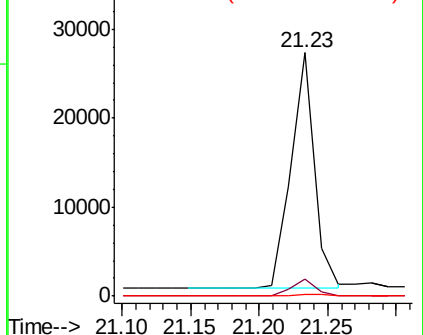
279 0.8 0.6 1.0

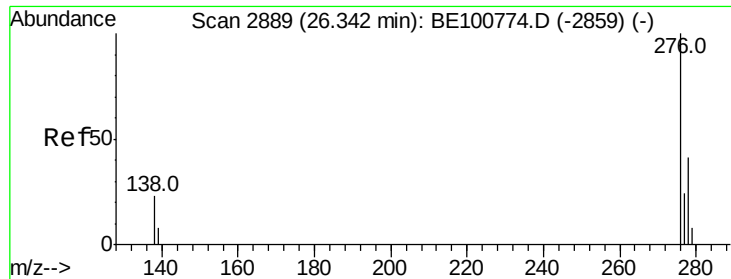


Abundance Ion 149.00 (148.70 to 149.70): E

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: 0.437 ng

RT: 26.31 min Scan# 2880

Delta R.T. -0.00 min

Lab File: BE100915.D

Acq: 16 Dec 2019 9:58

Instrument :

BNA_E

ClientSampleId :

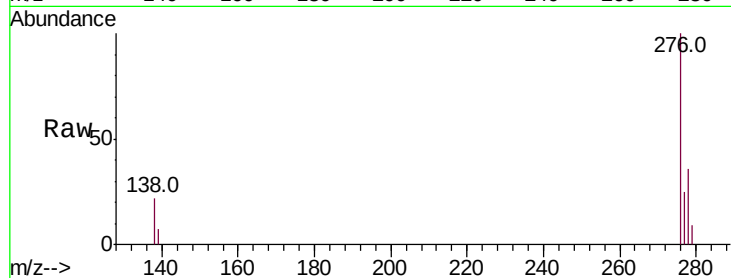
Tot Ion:276 Resp: 29338

Ion Ratio Lower Upper

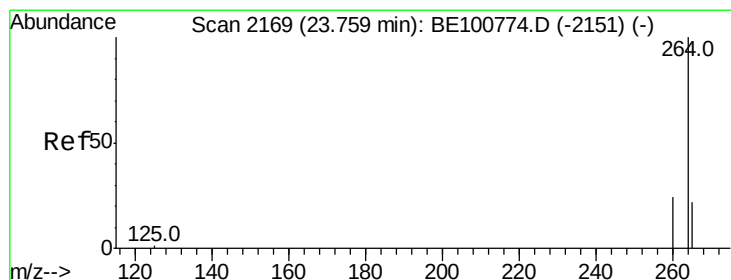
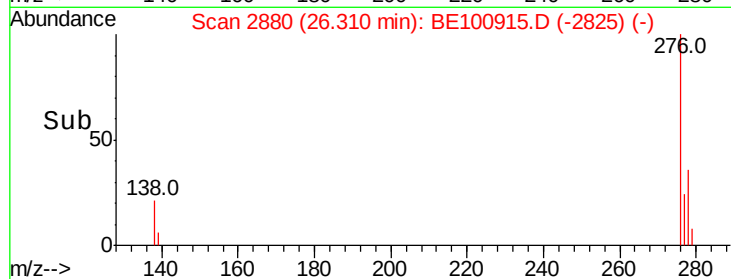
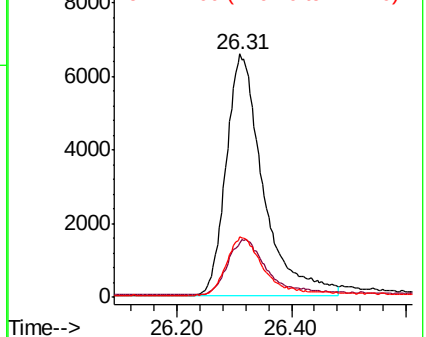
276 100

138 24.1 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# 2164

Delta R.T. -0.00 min

Lab File: BE100915.D

Acq: 16 Dec 2019 9:58

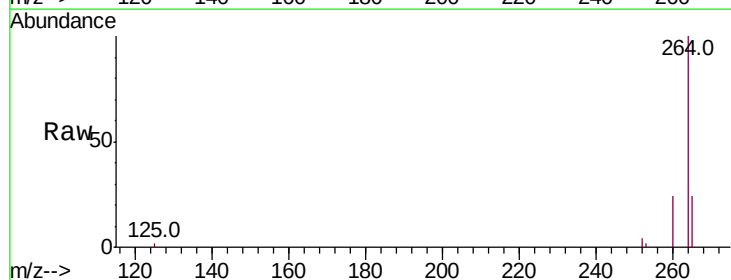
Tgt Ion:264 Resp: 24123

Ion Ratio Lower Upper

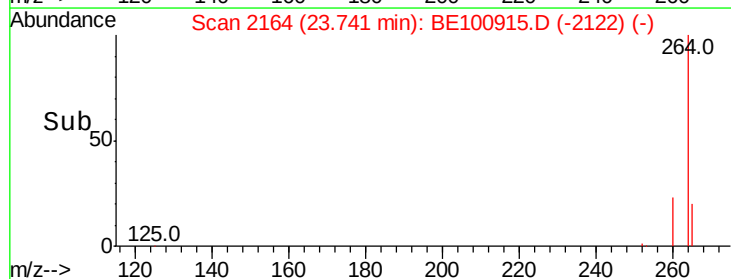
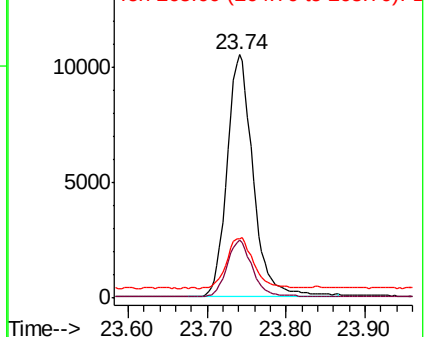
264 100

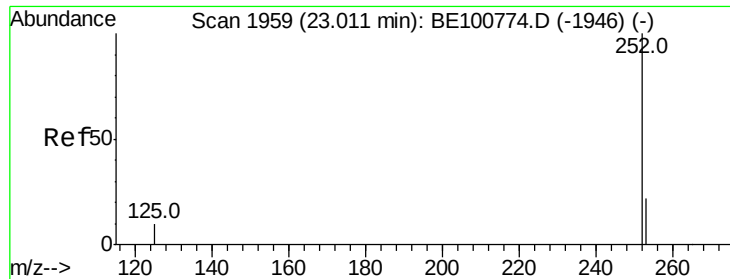
260 23.7 19.4 29.0

265 24.3 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: 0.433 ng

RT: 22.99 min Scan# 1954

Delta R.T. -0.00 min

Lab File: BE100915.D

Acq: 16 Dec 2019 9:58

Instrument :

BNA_E

ClientSampleId :

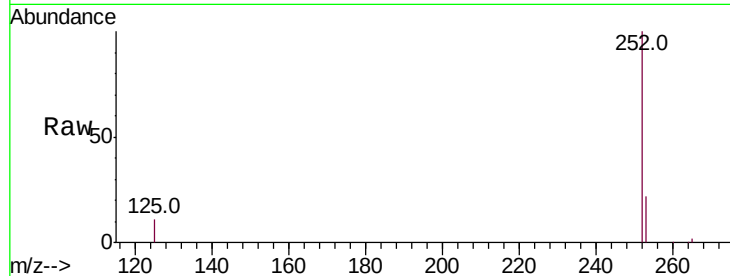
Tot Ion:252 Resp: 28583

Ion Ratio Lower Upper

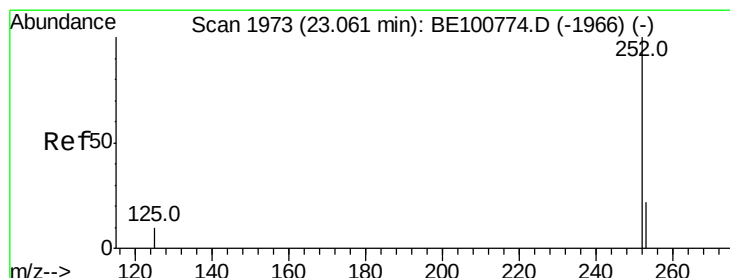
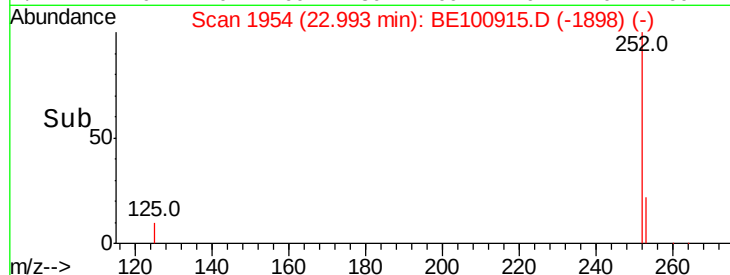
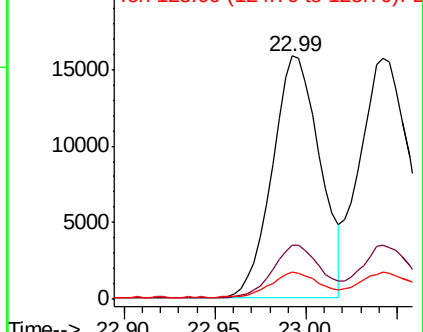
252 100

253 22.3 17.8 26.6

125 11.1 8.3 12.5



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: 0.437 ng

RT: 23.04 min Scan# 1968

Delta R.T. -0.00 min

Lab File: BE100915.D

Acq: 16 Dec 2019 9:58

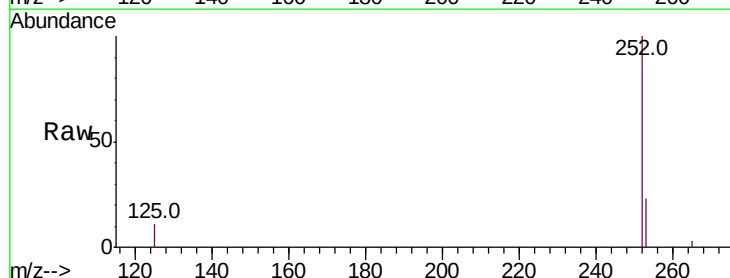
Tgt Ion:252 Resp: 32357

Ion Ratio Lower Upper

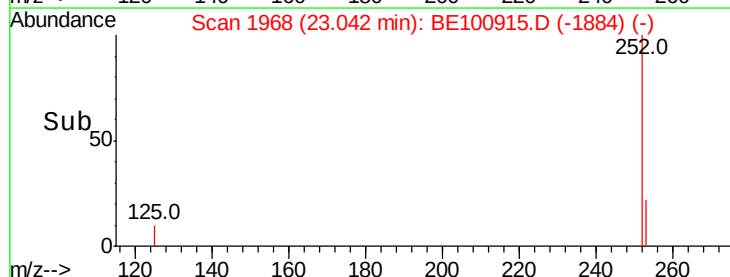
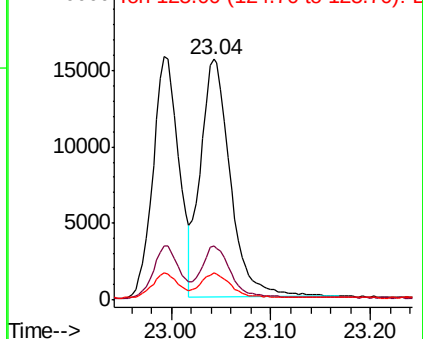
252 100

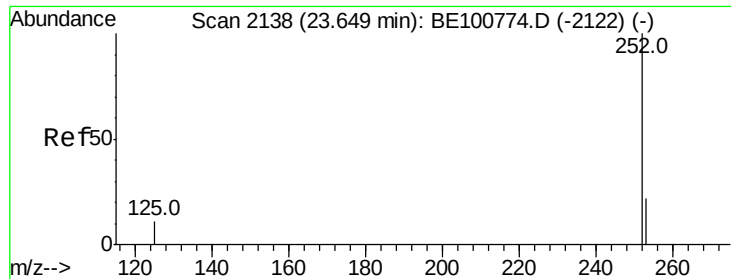
253 22.7 17.8 26.6

125 11.3 9.4 14.0



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: 0.435 ng

RT: 23.63 min Scan# 2133

Delta R.T. -0.00 min

Lab File: BE100915.D

Acq: 16 Dec 2019 9:58

Instrument :

BNA_E

ClientSampleId :

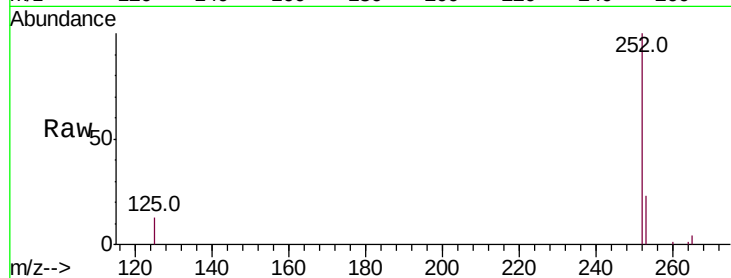
Tot Ion:252 Resp: 24863

Ion Ratio Lower Upper

252 100

253 22.5 17.8 26.8

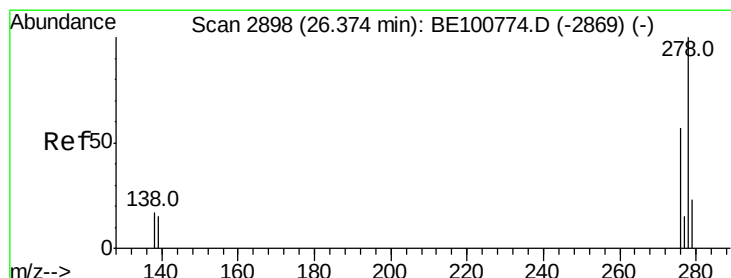
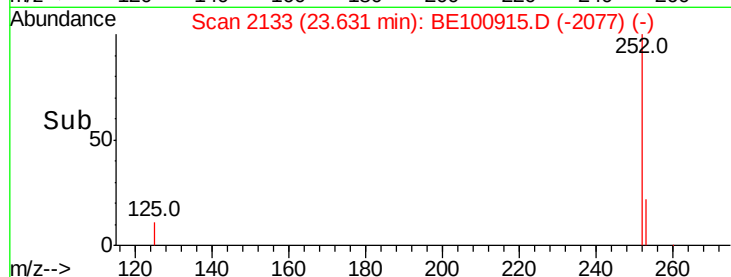
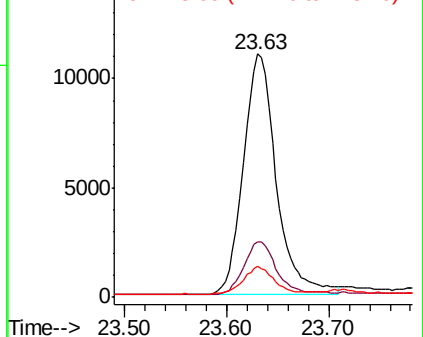
125 12.6 9.9 14.9



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: 0.413 ng

RT: 26.34 min Scan# 2888

Delta R.T. -0.00 min

Lab File: BE100915.D

Acq: 16 Dec 2019 9:58

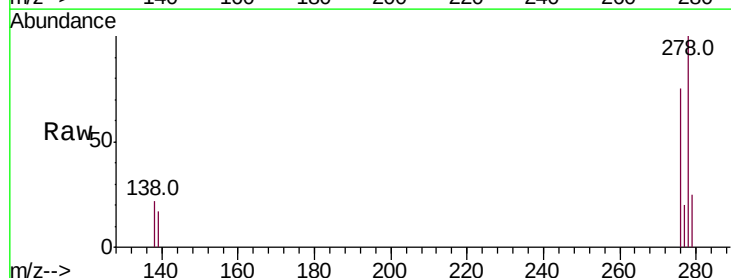
Tgt Ion:278 Resp: 23497

Ion Ratio Lower Upper

278 100

139 16.8 13.8 20.6

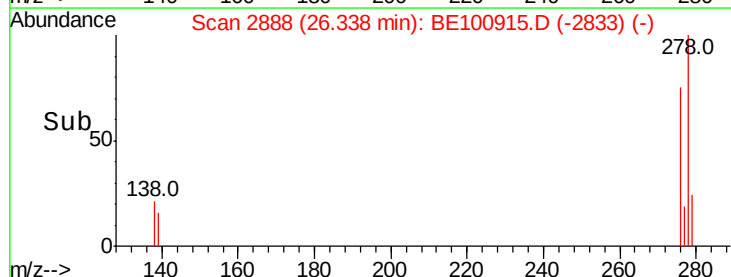
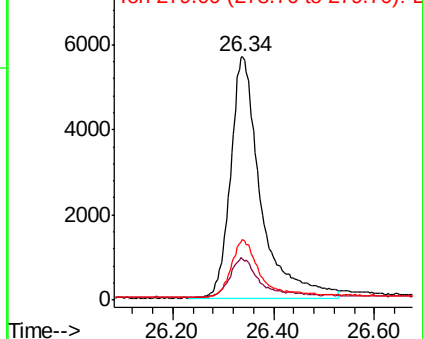
279 25.1 19.8 29.6

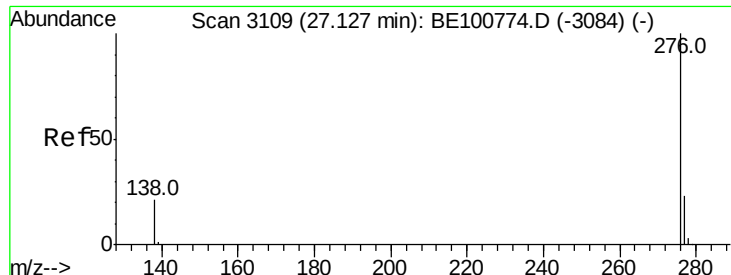


Abundance Ion 278.00 (277.70 to 278.70): E

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: 0.424 ng

RT: 27.10 min Scan# 3101

Delta R.T. -0.00 min

Lab File: BE100915.D

Acq: 16 Dec 2019 9:58

Instrument :

BNA_E

ClientSampleId :

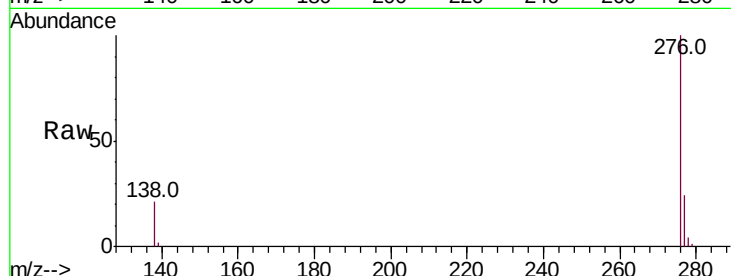
Tot Ion:276 Resp: 25785

Ion Ratio Lower Upper

276 100

277 24.1 19.7 29.5

138 20.8 18.0 27.0



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

