

Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE120419\
 Data File : BE100779.D
 Acq On : 4 Dec 2019 17:18
 Operator : JU
 Sample : SSTDICV0.4
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :

Quant Time: Dec 04 18:00:15 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA E\METHODS\8270-SIM-BE120419.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Dec 04 17:18:11 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.77	152	5382	0.40	ng	0.00
7) Naphthalene-d8	10.54	136	24383	0.40	ng	0.00
13) Acenaphthene-d10	14.40	164	13127	0.40	ng	0.00
19) Phenanthrene-d10	17.13	188	31111	0.40	ng	0.00
27) Chrysene-d12	21.31	240	29814	0.40	ng	0.00
34) Perylene-d12	23.76	264	31035	0.40	ng	0.00

System Monitoring Compounds						
4) 2-Fluorophenol	5.37	112	5055	0.40	ng	0.00
5) Phenol-d6	6.93	99	7321	0.38	ng	0.00
8) Nitrobenzene-d5	8.90	82	4787	0.41	ng	0.00
11) 2-Methylnaphthalene-d10	12.14	152	13589	0.38	ng	0.00
14) 2,4,6-Tribromophenol	15.88	330	592	0.41	ng	0.00
15) 2-Fluorobiphenyl	13.03	172	20082	0.39	ng	0.00
25) Fluoranthene-d10	19.16	212	129460	0.35	ng	0.00
29) Terphenyl-d14	19.77	244	28688	0.40	ng	0.00

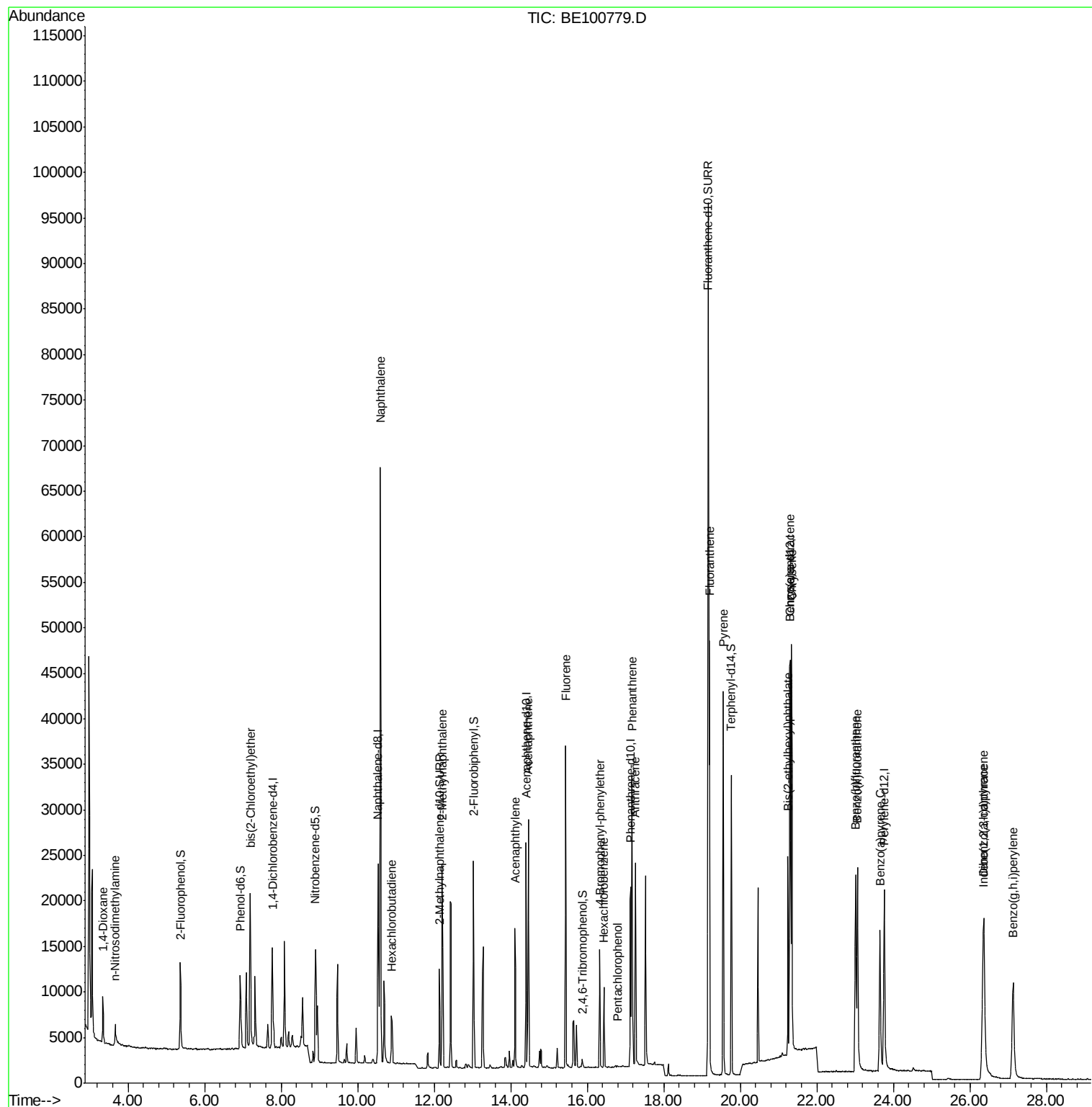
Target Compounds				Qvalue		
2) 1,4-Dioxane	3.34	88	3899	0.397	ng	98
3) n-Nitrosodimethylamine	3.65	42	2971	0.372	ng	97
6) bis(2-Chloroethyl)ether	7.19	93	7172	0.385	ng	100
9) Naphthalene	10.59	128	99938	0.386	ng	100
10) Hexachlorobutadiene	10.89	225	3975	0.393	ng	98
12) 2-Methylnaphthalene	12.21	142	15398	0.381	ng	99
16) Acenaphthylene	14.11	152	18873	0.348	ng	99
17) Acenaphthene	14.46	154	13796	0.369	ng	99
18) Fluorene	15.43	166	17682	0.366	ng	98
20) 4-Bromophenyl-phenylether	16.33	248	5542	0.363	ng	93
21) Hexachlorobenzene	16.44	284	6281	0.379	ng	99
22) Pentachlorophenol	16.79	266	119	0.104	ng	94
23) Phenanthrene	17.17	178	36037	0.382	ng	100
24) Anthracene	17.25	178	27417	0.348	ng	99
26) Fluoranthene	19.19	202	39423	0.351	ng	100
28) Pyrene	19.55	202	38245	0.395	ng	100
30) Benzo(a)anthracene	21.29	228	31346	0.357	ng	99
31) Chrysene	21.34	228	40635	0.394	ng	100
32) Bis(2-ethylhexyl)phthalate	21.24	149	24285	0.392	ng	100
33) Indeno(1,2,3-cd)pyrene	26.34	276	31292	0.348	ng	99
35) Benzo(b)fluoranthene	23.01	252	31133	0.366	ng	99
36) Benzo(k)fluoranthene	23.06	252	36177	0.380	ng	99
37) Benzo(a)pyrene	23.65	252	25888	0.352	ng	99
38) Dibenzo(a,h)anthracene	26.37	278	26059	0.356	ng	99
39) Benzo(g,h,i)perylene	27.13	276	28766	0.368	ng	98

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

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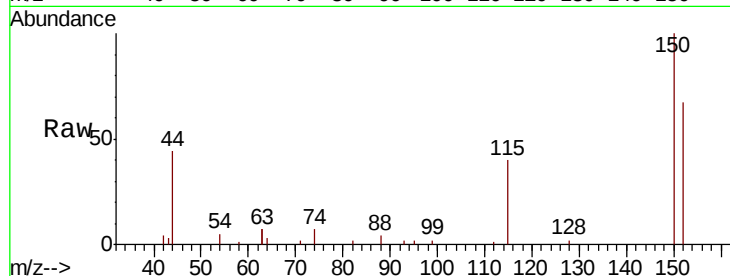


#1

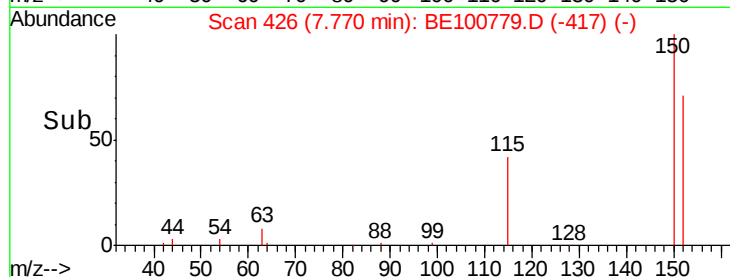
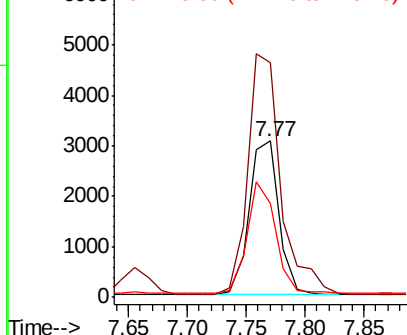
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.77 min Scan# 426
Delta R.T. 0.00 min
Lab File: BE100779.D
Acq: 4 Dec 2019 17:18

Instrument :
BNA_E
ClientSampleId :

Tot Ion:152 Resp: 5382
Ion Ratio Lower Upper
152 100
150 150.3 120.6 181.0
115 60.3 47.4 71.2



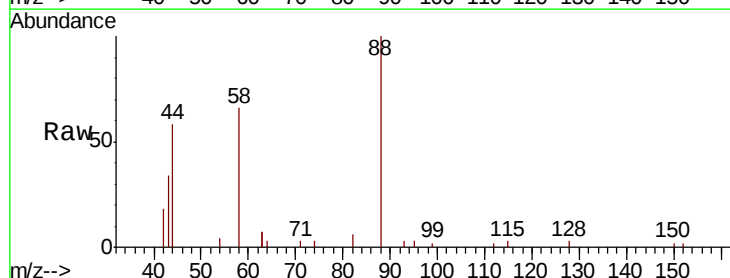
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



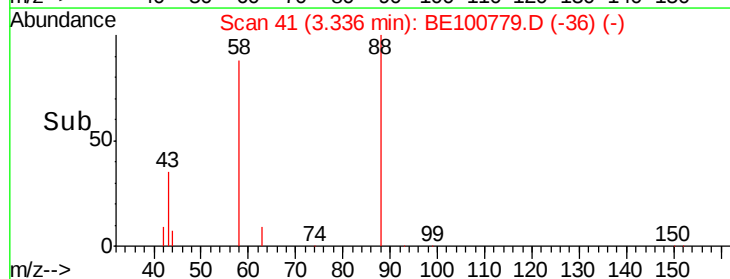
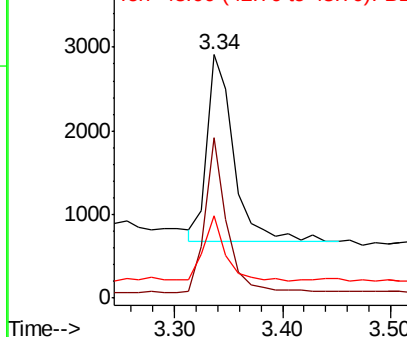
#2

1,4-Dioxane
Concen: 0.397 ng
RT: 3.34 min Scan# 41
Delta R.T. -0.01 min
Lab File: BE100779.D
Acq: 4 Dec 2019 17:18

Tgt Ion: 88 Resp: 3899
Ion Ratio Lower Upper
88 100
58 66.5 52.5 78.7
43 27.5 23.0 34.6



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



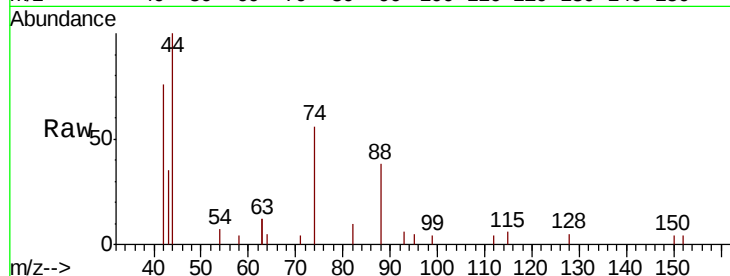


#3

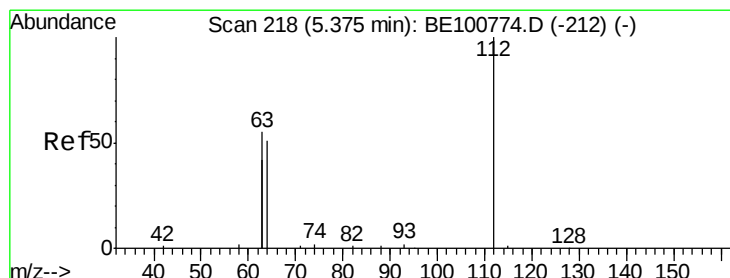
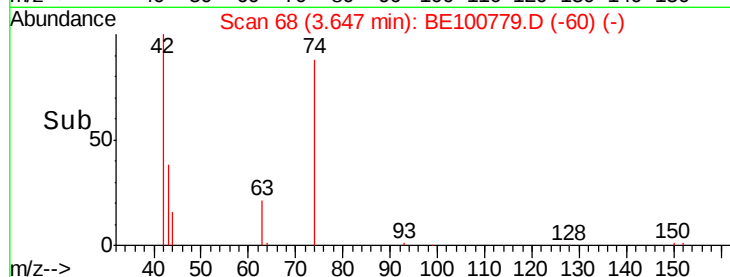
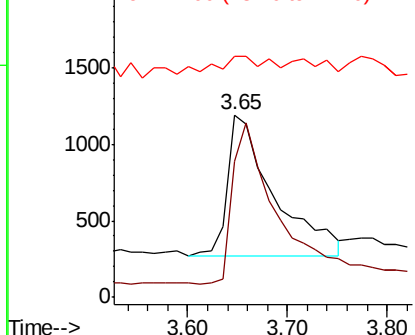
n-Nitrosodimethylamine
 Concen: 0.372 ng
 RT: 3.65 min Scan# 68
 Delta R.T. -0.01 min
 Lab File: BE100779.D
 Acq: 4 Dec 2019 17:18

Instrument :
 BNA_E
 ClientSampleId :

Tot Ion: 42 Resp: 2971
 Ion Ratio Lower Upper
 42 100
 74 111.5 86.3 129.5
 44 13.4 11.6 17.4



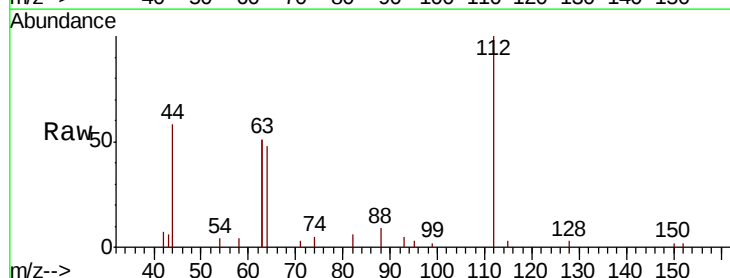
Abundance Ion 42.00 (41.70 to 42.70): BE1
 Ion 74.00 (73.70 to 74.70): BE1
 Ion 44.00 (43.70 to 44.70): BE1



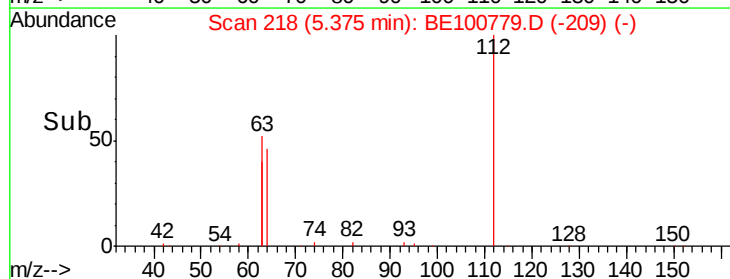
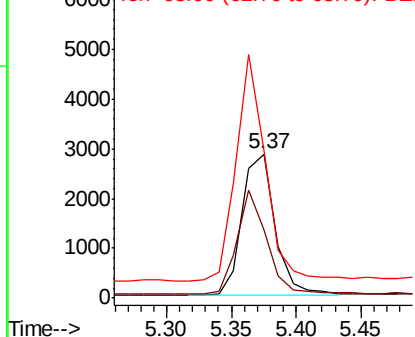
#4

2-Fluorophenol
 Concen: 0.396 ng
 RT: 5.37 min Scan# 218
 Delta R.T. 0.00 min
 Lab File: BE100779.D
 Acq: 4 Dec 2019 17:18

Tgt Ion: 112 Resp: 5055
 Ion Ratio Lower Upper
 112 100
 64 65.7 54.1 81.1
 63 143.9 113.2 169.8



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: 0.380 ng

RT: 6.93 min Scan# 353

Delta R.T. 0.00 min

Lab File: BE100779.D

Acq: 4 Dec 2019 17:18

Instrument :

BNA_E

ClientSampleId :

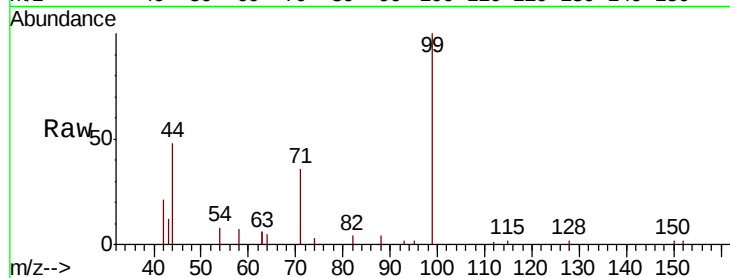
Tot Ion: 99 Resp: 7321

Ion Ratio Lower Upper

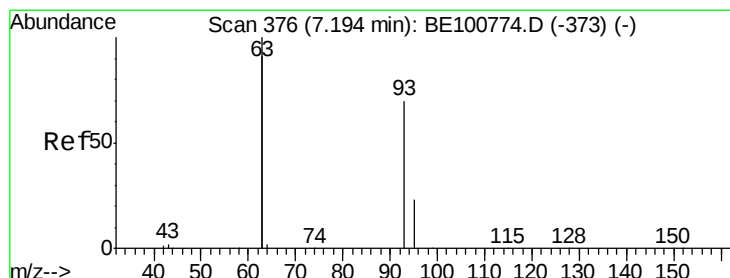
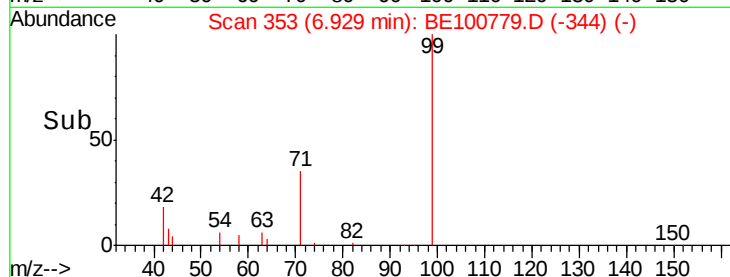
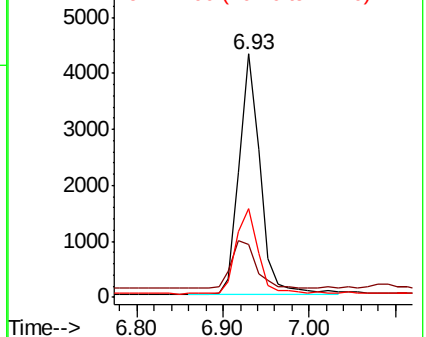
99 100

42 23.1 19.1 28.7

71 37.7 27.7 41.5



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



#6

bis(2-Chloroethyl)ether

Concen: 0.385 ng

RT: 7.19 min Scan# 376

Delta R.T. 0.00 min

Lab File: BE100779.D

Acq: 4 Dec 2019 17:18

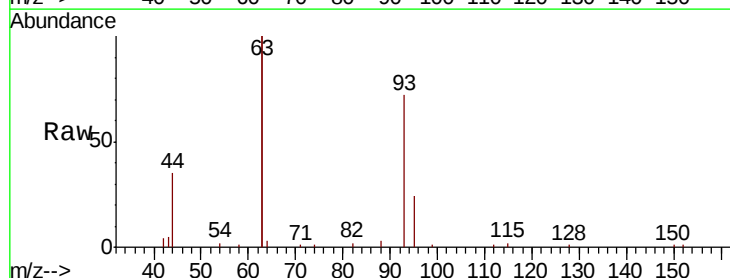
Tgt Ion: 93 Resp: 7172

Ion Ratio Lower Upper

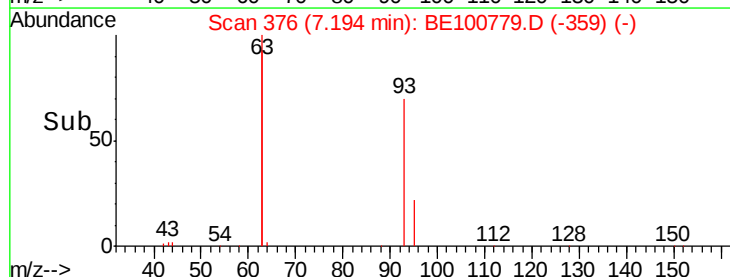
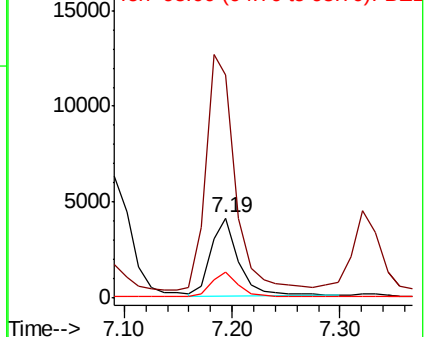
93 100

63 323.4 259.4 389.0

95 32.9 26.2 39.2



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





#7

Naphthalene-d8

Concen: 0.400 ng

RT: 10.54 min Scan# 644

Delta R.T. 0.00 min

Lab File: BE100779.D

Acq: 4 Dec 2019 17:18

Instrument :

BNA_E

ClientSampleId :

Tot Ion:136 Resp: 24383

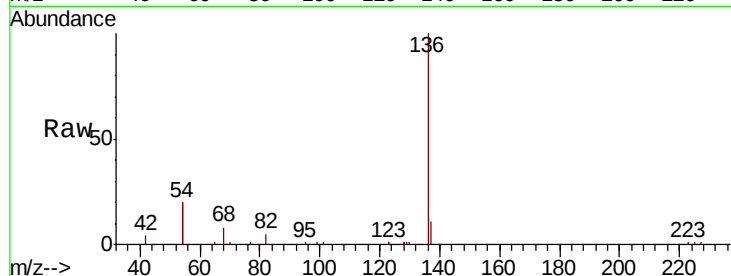
Ion Ratio Lower Upper

136 100

137 11.5 9.4 14.0

54 39.9 31.1 46.7

68 8.3 6.6 10.0

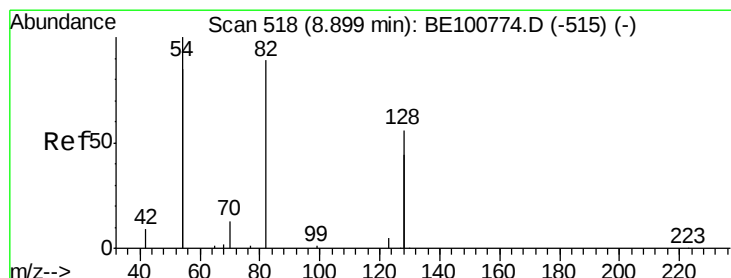
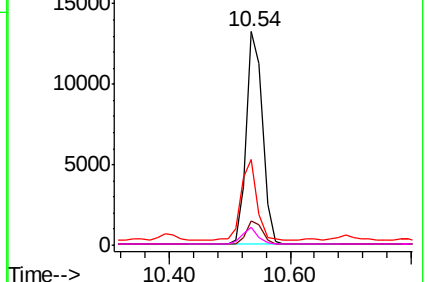
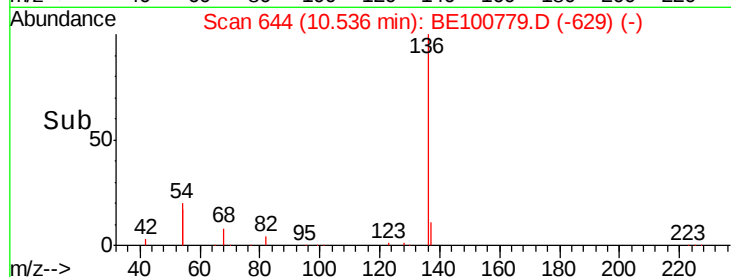


Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BE1

Ion 68.00 (67.70 to 68.70): BE1



#8

Nitrobenzene-d5

Concen: 0.412 ng

RT: 8.90 min Scan# 518

Delta R.T. 0.00 min

Lab File: BE100779.D

Acq: 4 Dec 2019 17:18

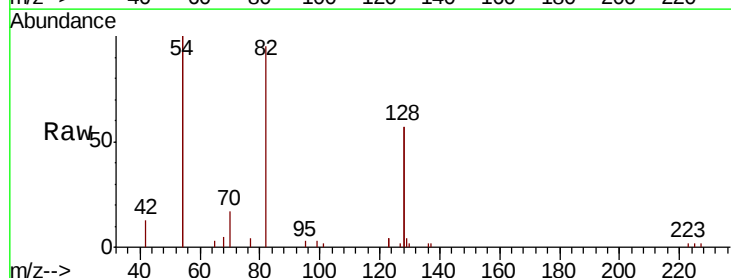
Tgt Ion: 82 Resp: 4787

Ion Ratio Lower Upper

82 100

128 120.5 97.0 145.4

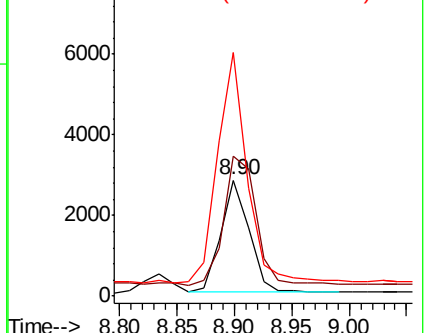
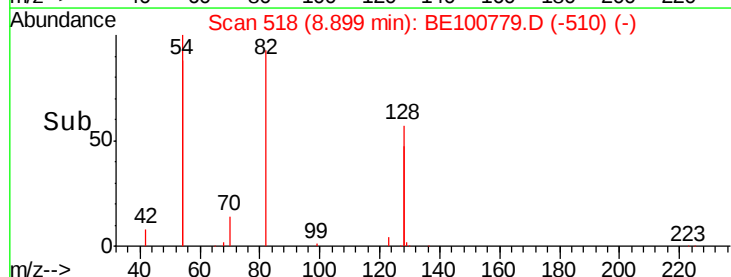
54 209.7 171.8 257.6



Abundance Ion 82.00 (81.70 to 82.70): BE1

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BE1





#9

Naphthalene

Concen: 0.386 ng

RT: 10.59 min Scan# 648

Delta R.T. 0.00 min

Lab File: BE100779.D

Acq: 4 Dec 2019 17:18

Instrument :

BNA_E

ClientSampleId :

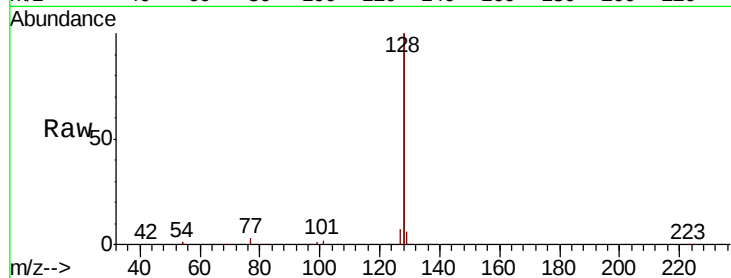
Tot Ion:128 Resp: 99938

Ion Ratio Lower Upper

128 100

129 2.9 2.2 3.4

127 3.4 2.7 4.1

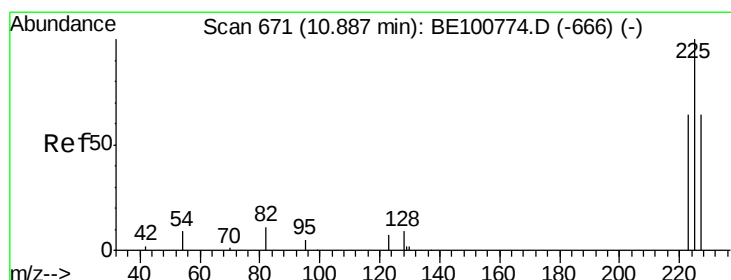
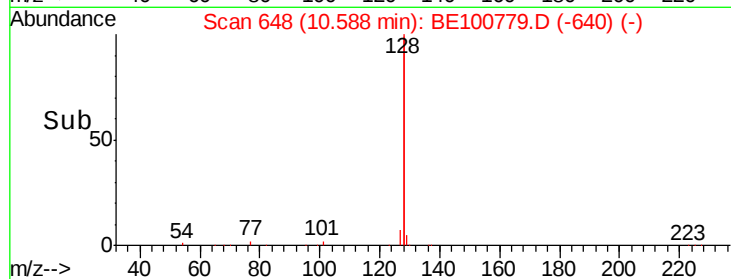
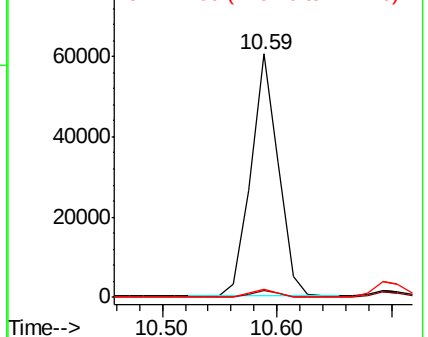


Abundance

Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E



#10

Hexachlorobutadiene

Concen: 0.393 ng

RT: 10.89 min Scan# 671

Delta R.T. 0.00 min

Lab File: BE100779.D

Acq: 4 Dec 2019 17:18

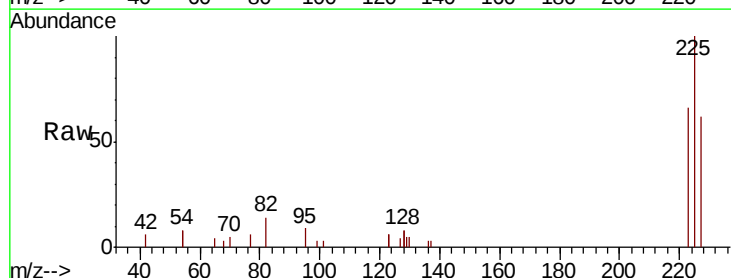
Tgt Ion:225 Resp: 3975

Ion Ratio Lower Upper

225 100

223 63.2 49.9 74.9

227 62.9 52.2 78.4

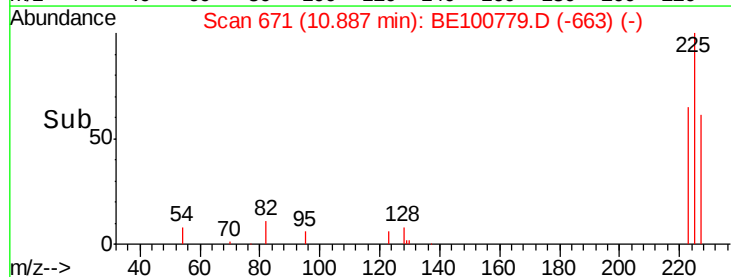
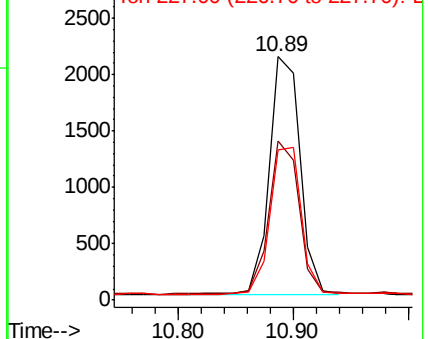


Abundance

Ion 225.00 (224.70 to 225.70): E

Ion 223.00 (222.70 to 223.70): E

Ion 227.00 (226.70 to 227.70): E





#11

2-Methylnaphthalene-d10

Concen: 0.385 ng

RT: 12.14 min Scan# 758

Delta R.T. -0.00 min

Lab File: BE100779.D

Acq: 4 Dec 2019 17:18

Instrument :

BNA_E

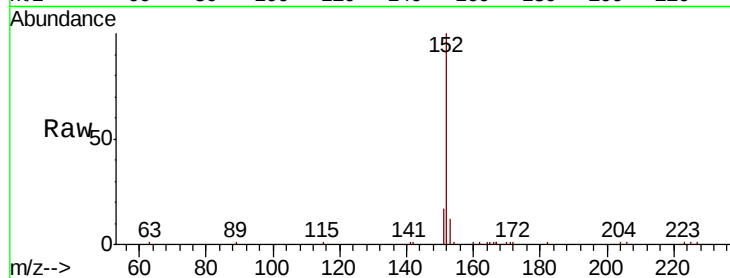
ClientSampleId :

Tot Ion:152 Resp: 13589

Ion Ratio Lower Upper

152 100

151 19.5 15.8 23.8



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

12.14

8000

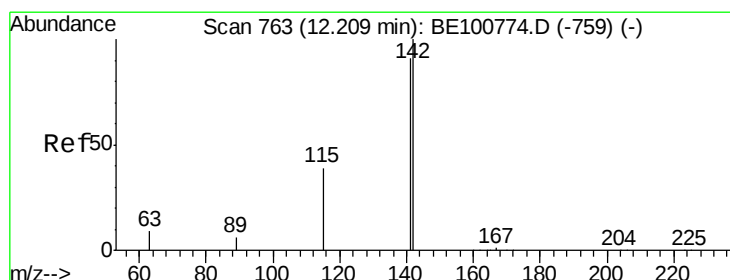
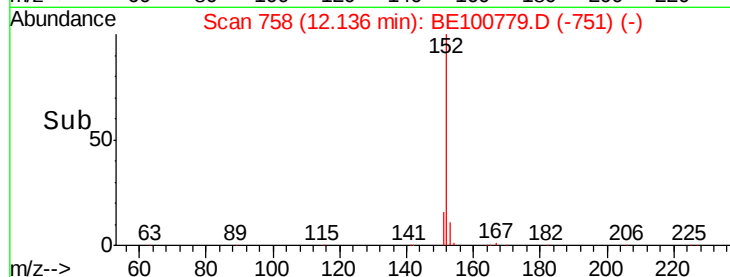
6000

4000

2000

0

Time--> 12.00 12.10 12.20



#12

2-Methylnaphthalene

Concen: 0.381 ng

RT: 12.21 min Scan# 763

Delta R.T. -0.00 min

Lab File: BE100779.D

Acq: 4 Dec 2019 17:18

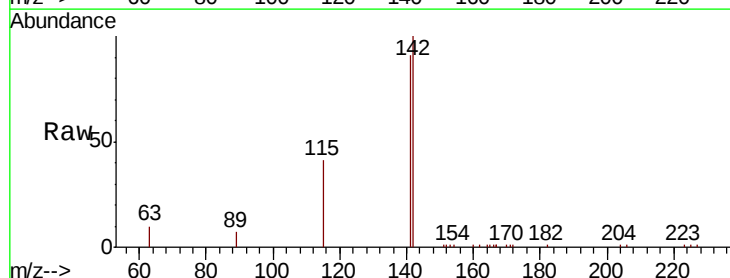
Tgt Ion:142 Resp: 15398

Ion Ratio Lower Upper

142 100

141 91.4 72.6 108.8

115 40.6 31.8 47.6



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

12000

10000

8000

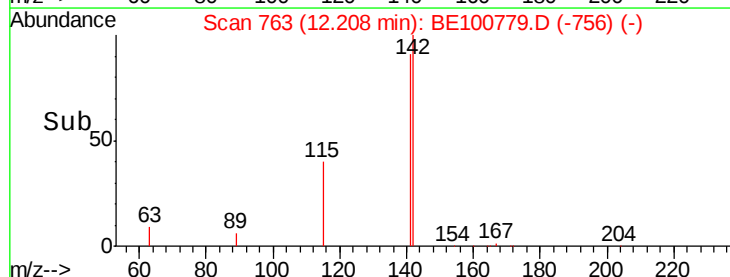
6000

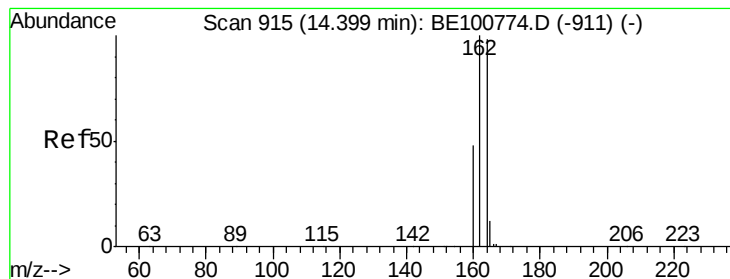
4000

2000

0

Time--> 12.10 12.20 12.30





#13

Acenaphthene-d10

Concen: 0.400 ng

RT: 14.40 min Scan# 915

Delta R.T. -0.00 min

Lab File: BE100779.D

Acq: 4 Dec 2019 17:18

Instrument :

BNA_E

ClientSampleId :

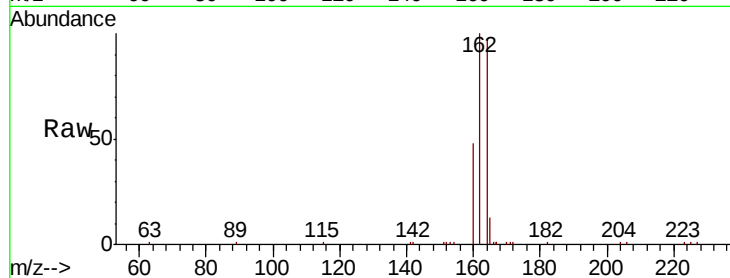
Tot Ion:164 Resp: 13127

Ion Ratio Lower Upper

164 100

162 103.5 81.4 122.0

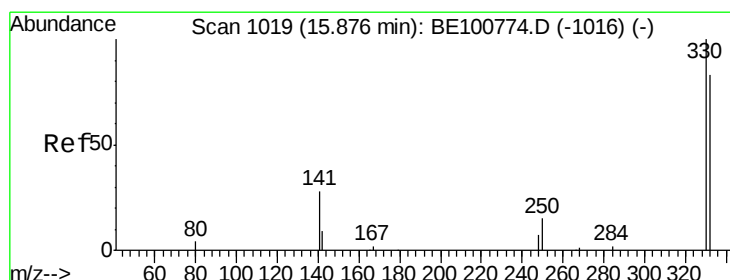
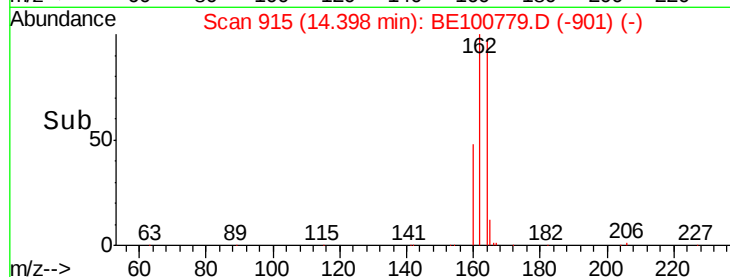
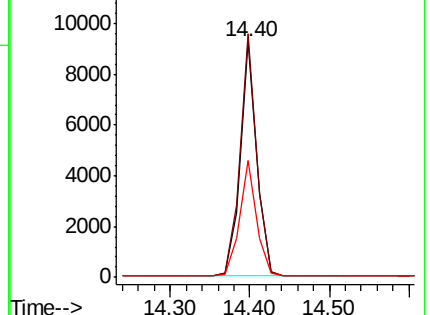
160 49.9 39.4 59.0



Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E



#14

2,4,6-Tribromophenol

Concen: 0.405 ng

RT: 15.88 min Scan# 1019

Delta R.T. -0.00 min

Lab File: BE100779.D

Acq: 4 Dec 2019 17:18

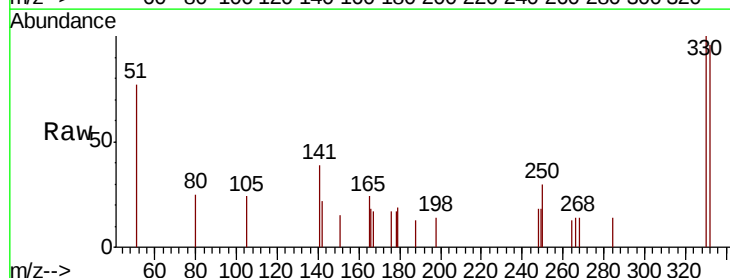
Tgt Ion:330 Resp: 592

Ion Ratio Lower Upper

330 100

332 93.2 69.4 104.2

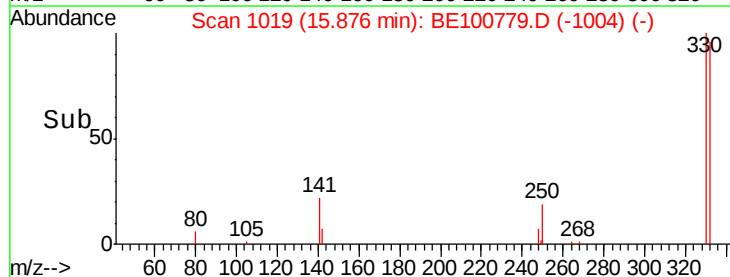
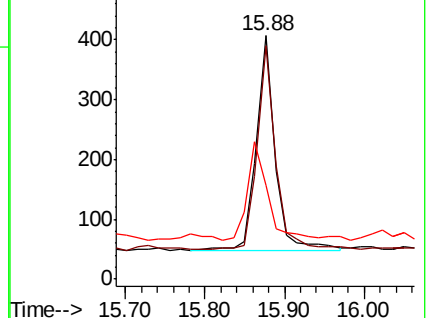
141 50.0 51.1 76.7#



Abundance Ion 330.00 (329.70 to 330.70): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

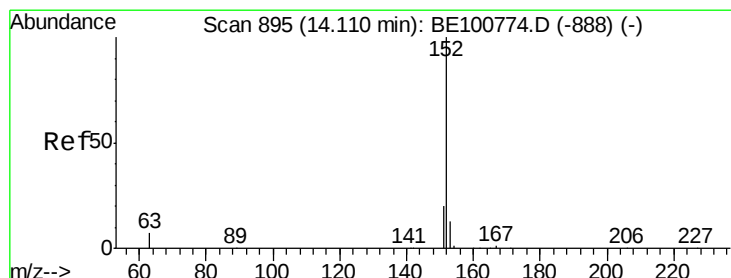
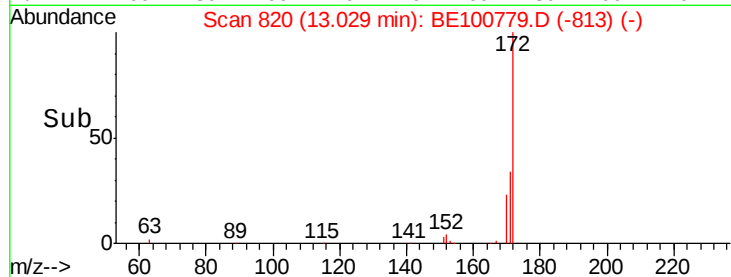
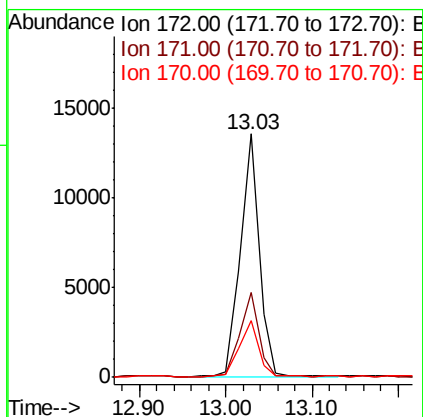
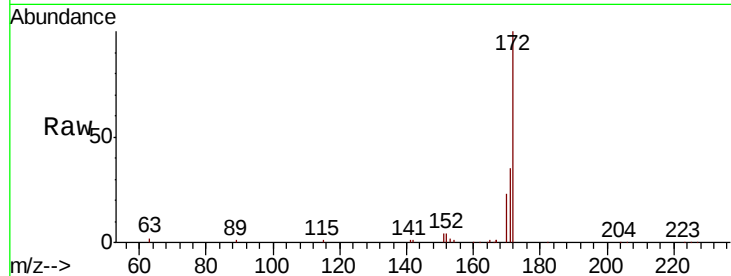




#15
2-Fluorobiphenyl
Concen: 0.386 ng
RT: 13.03 min Scan# 820
Delta R.T. -0.00 min
Lab File: BE100779.D
Acq: 4 Dec 2019 17:18

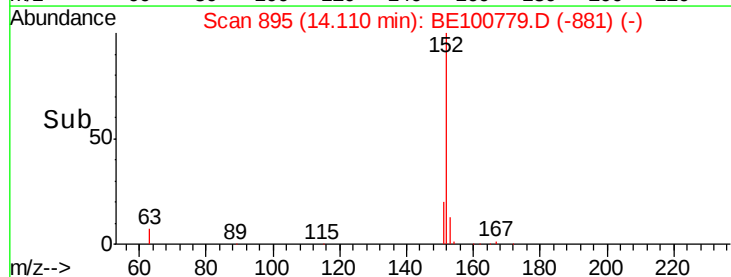
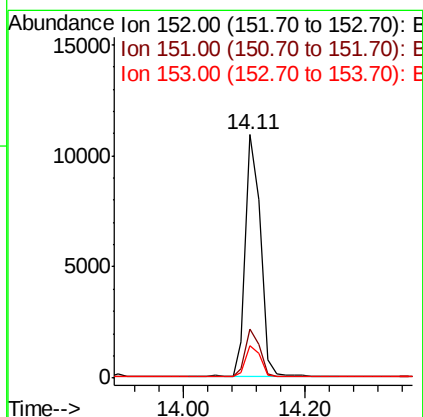
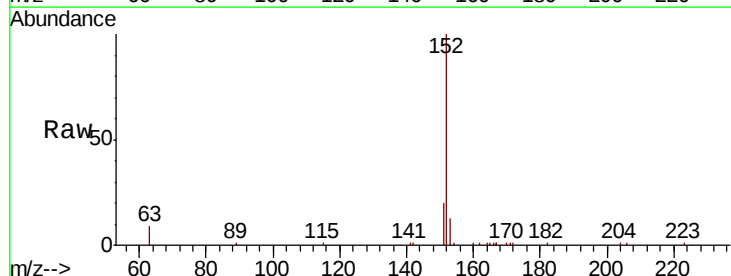
Instrument :
BNA_E
ClientSampleId :

Tot Ion:172 Resp: 20082
Ion Ratio Lower Upper
172 100
171 34.7 27.2 40.8
170 23.2 18.0 27.0



#16
Acenaphthylene
Concen: 0.348 ng
RT: 14.11 min Scan# 895
Delta R.T. -0.00 min
Lab File: BE100779.D
Acq: 4 Dec 2019 17:18

Tgt Ion:152 Resp: 18873
Ion Ratio Lower Upper
152 100
151 19.4 15.8 23.6
153 12.7 10.4 15.6





#17

Acenaphthene

Concen: 0.369 ng

RT: 14.46 min Scan# 919

Delta R.T. -0.00 min

Lab File: BE100779.D

Acq: 4 Dec 2019 17:18

Instrument :

BNA_E

ClientSampleId :

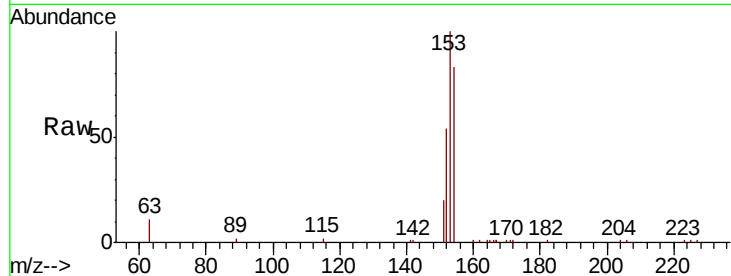
Tot Ion:154 Resp: 13796

Ion Ratio Lower Upper

154 100

153 115.8 92.2 138.2

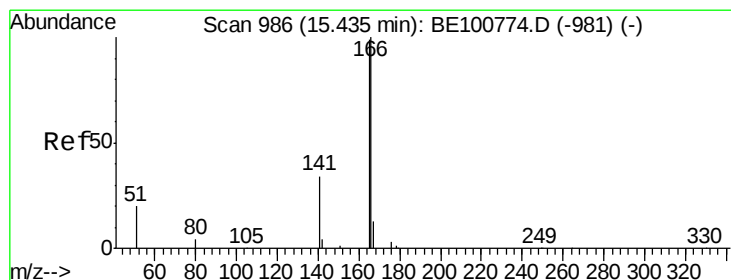
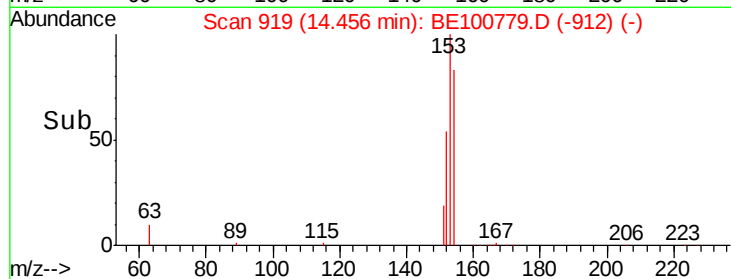
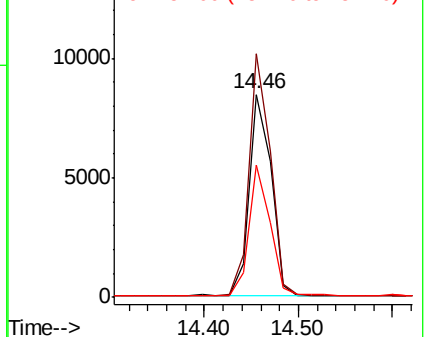
152 62.3 49.1 73.7



Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E



#18

Fluorene

Concen: 0.366 ng

RT: 15.43 min Scan# 986

Delta R.T. -0.00 min

Lab File: BE100779.D

Acq: 4 Dec 2019 17:18

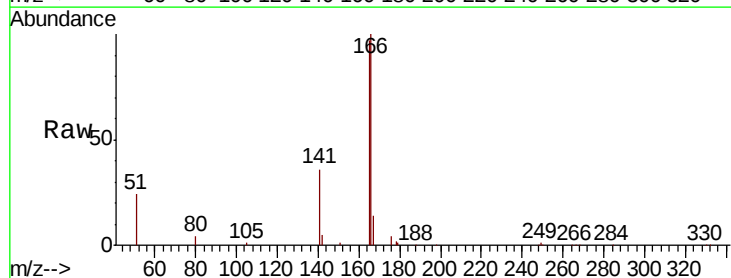
Tgt Ion:166 Resp: 17682

Ion Ratio Lower Upper

166 100

165 98.9 80.5 120.7

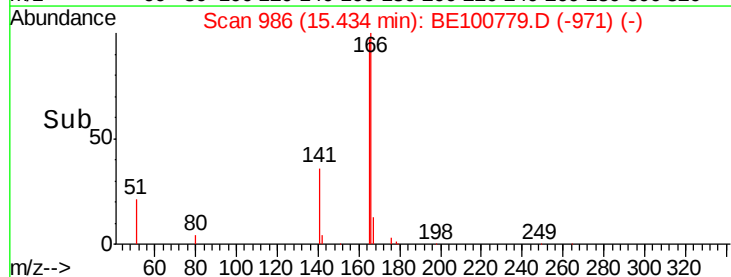
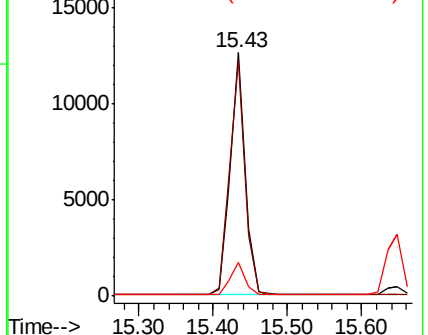
167 13.2 10.7 16.1

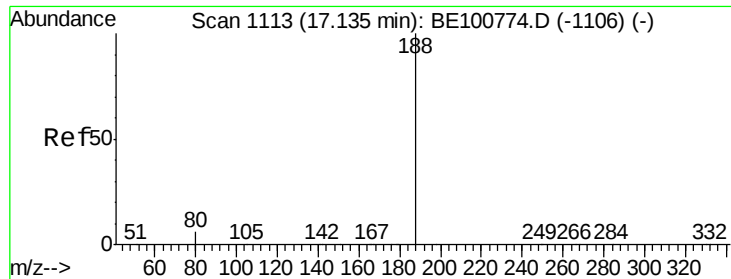


Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E





#19

Phenanthrene-d10

Concen: 0.400 ng

RT: 17.13 min Scan# 1113

Delta R.T. -0.00 min

Lab File: BE100779.D

Acq: 4 Dec 2019 17:18

Instrument :

BNA_E

ClientSampled :

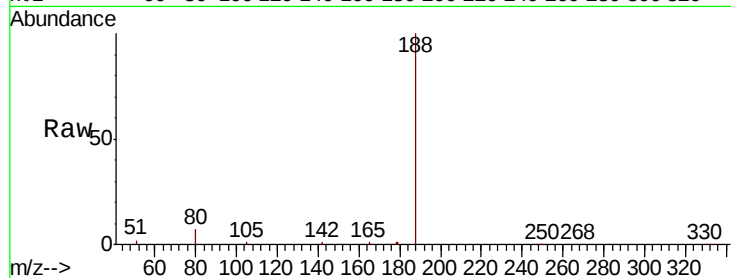
Tot Ion:188 Resp: 31111

Ion Ratio Lower Upper

188 100

94 0.0 0.0 0.0

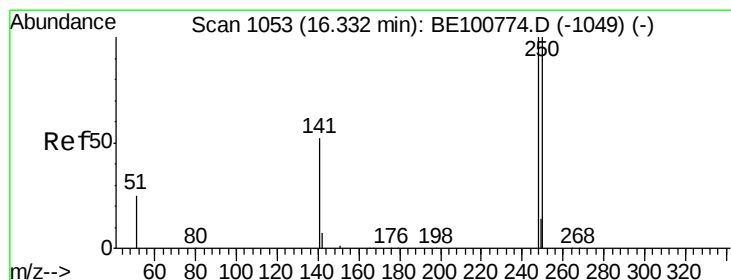
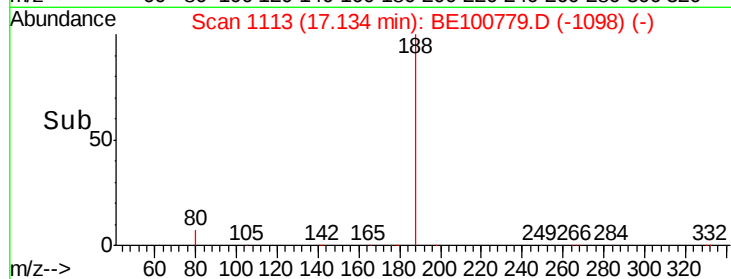
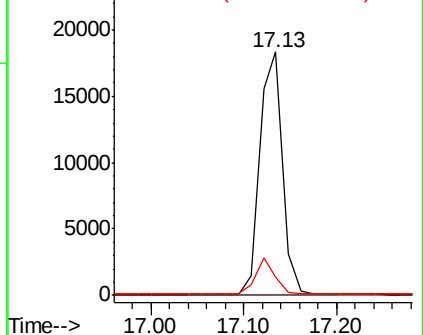
80 7.5 5.2 7.8



Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BE1

Ion 80.00 (79.70 to 80.70): BE1



#20

4-Bromophenyl-phenylether

Concen: 0.363 ng

RT: 16.33 min Scan# 1053

Delta R.T. -0.00 min

Lab File: BE100779.D

Acq: 4 Dec 2019 17:18

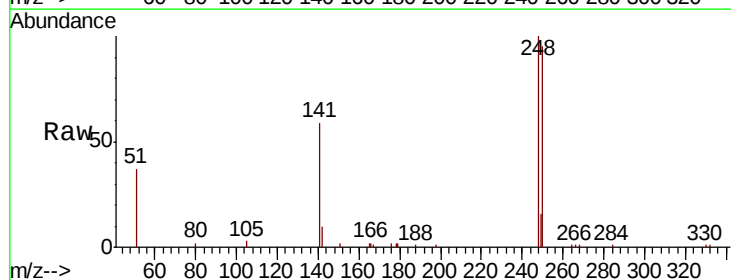
Tgt Ion:248 Resp: 5542

Ion Ratio Lower Upper

248 100

250 95.0 80.5 120.7

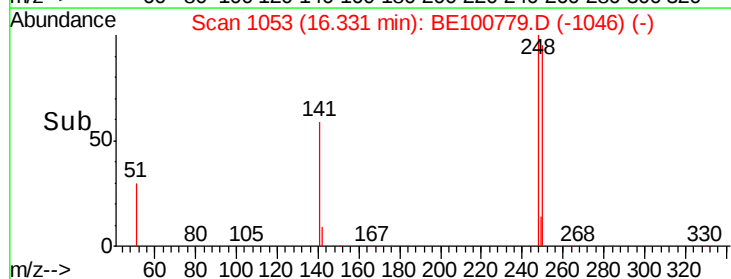
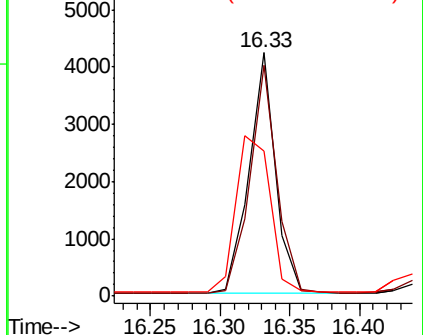
141 59.3 42.6 64.0

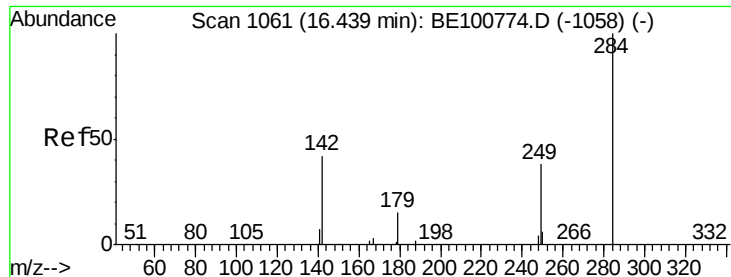


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E

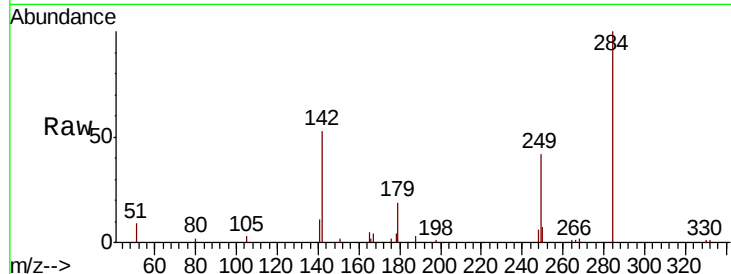




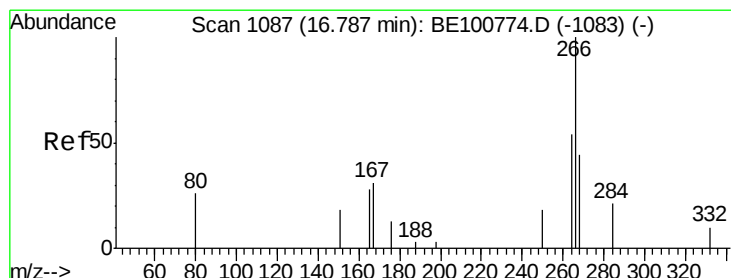
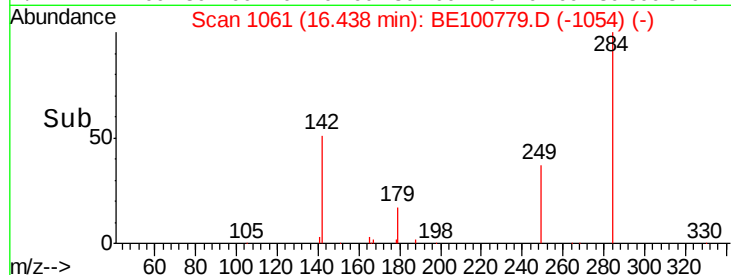
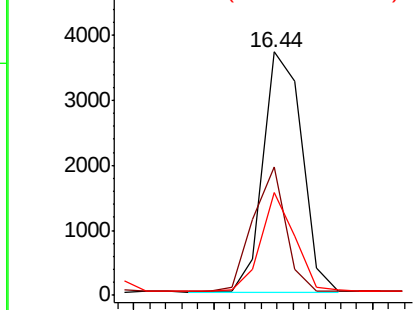
#21
Hexachlorobenzene
Concen: 0.379 ng
RT: 16.44 min Scan# 1061
Delta R.T. -0.00 min
Lab File: BE100779.D
Acq: 4 Dec 2019 17:18

Instrument :
BNA_E
ClientSampled :

Tot Ion:284	Resp:	6281
Ion Ratio	Lower	Upper
284	100	
142	43.8	34.4 51.6
249	35.5	28.5 42.7

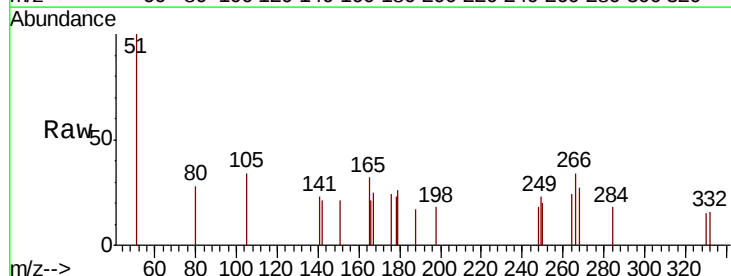


Abundance Ion 283.80 (283.50 to 284.50): E
Ion 142.00 (141.70 to 142.70): E
Ion 249.00 (248.70 to 249.70): E

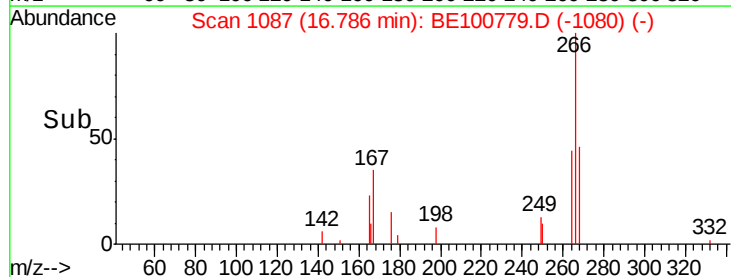
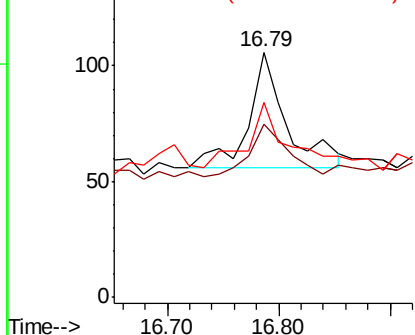


#22
Pentachlorophenol
Concen: 0.104 ng
RT: 16.79 min Scan# 1087
Delta R.T. -0.00 min
Lab File: BE100779.D
Acq: 4 Dec 2019 17:18

Tgt Ion:266	Resp:	119
Ion Ratio	Lower	Upper
266	100	
264	70.8	63.4 95.0
268	79.2	65.8 98.8



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





#23

Phenanthrene

Concen: 0.382 ng

RT: 17.17 min Scan# 1116

Delta R.T. 0.01 min

Lab File: BE100779.D

Acq: 4 Dec 2019 17:18

Instrument :

BNA_E

ClientSampled :

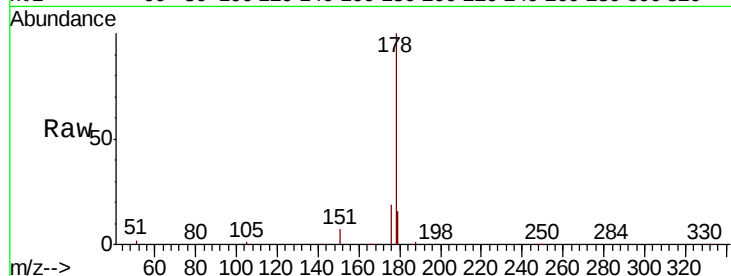
Tot Ion:178 Resp: 36037

Ion Ratio Lower Upper

178 100

176 19.2 15.5 23.3

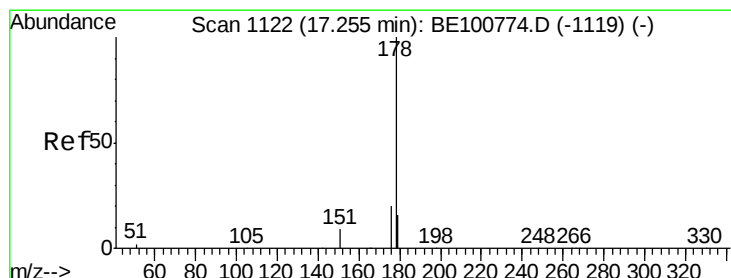
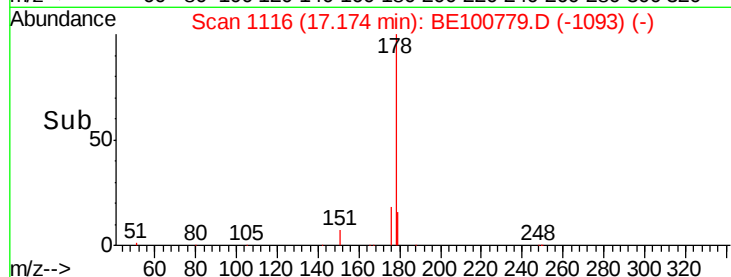
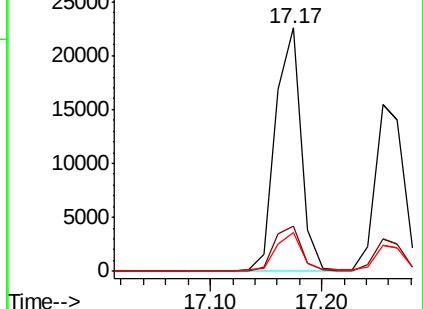
179 15.4 12.3 18.5



Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



#24

Anthracene

Concen: 0.348 ng

RT: 17.25 min Scan# 1122

Delta R.T. -0.00 min

Lab File: BE100779.D

Acq: 4 Dec 2019 17:18

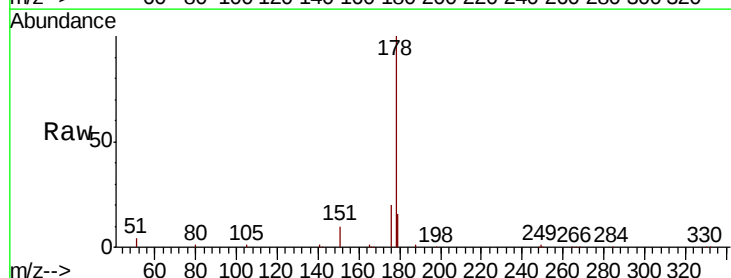
Tgt Ion:178 Resp: 27417

Ion Ratio Lower Upper

178 100

176 18.7 15.4 23.2

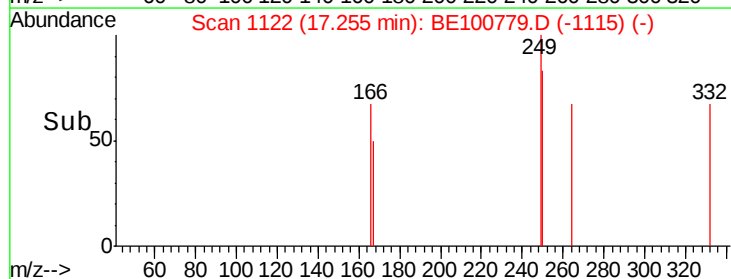
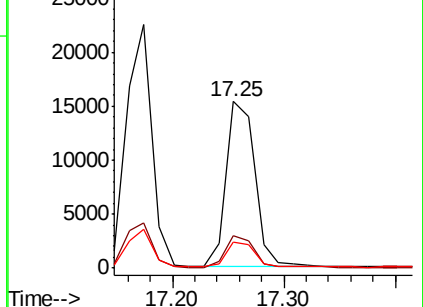
179 15.3 12.7 19.1

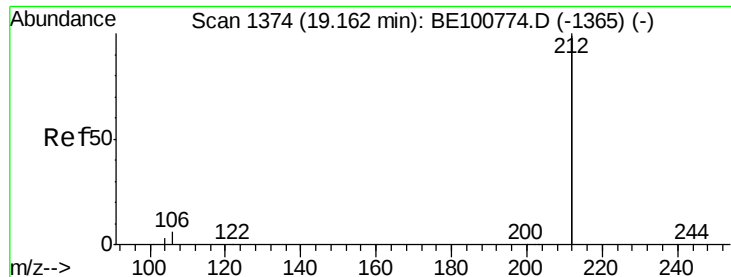


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#25

Fluoranthene-d10

Concen: 0.352 ng

RT: 19.16 min Scan# 1374

Delta R.T. 0.00 min

Lab File: BE100779.D

Acq: 4 Dec 2019 17:18

Instrument :

BNA_E

ClientSampleId :

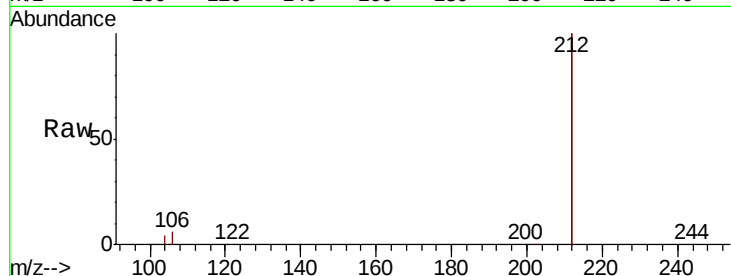
Tot Ion:212 Resp: 129460

Ion Ratio Lower Upper

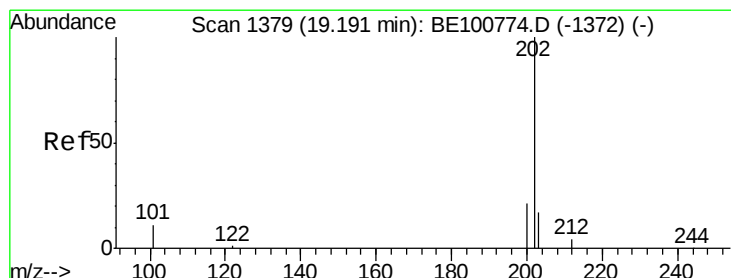
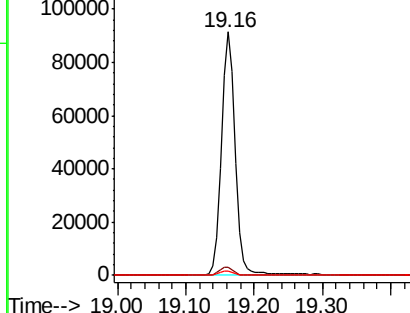
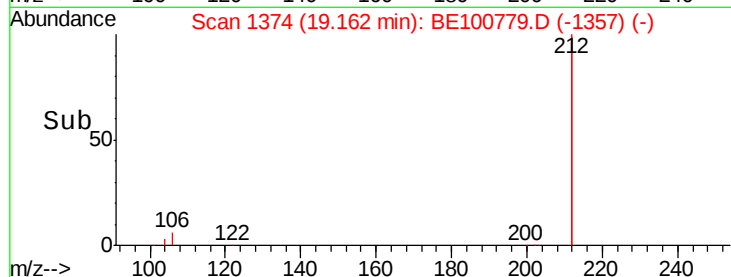
212 100

106 3.3 2.6 3.8

104 1.8 1.4 2.2



Abundance Ion 212.00 (211.70 to 212.70): E
Ion 106.00 (105.70 to 106.70): E
Ion 104.00 (103.70 to 104.70): E



#26

Fluoranthene

Concen: 0.351 ng

RT: 19.19 min Scan# 1379

Delta R.T. 0.00 min

Lab File: BE100779.D

Acq: 4 Dec 2019 17:18

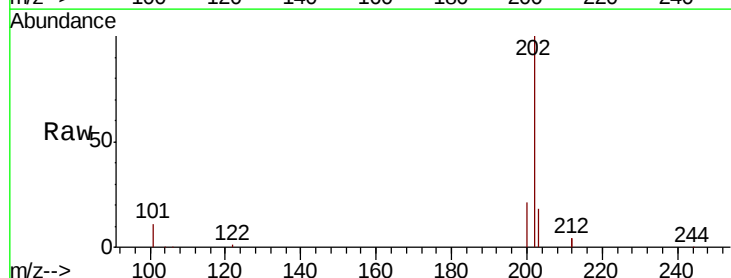
Tgt Ion:202 Resp: 39423

Ion Ratio Lower Upper

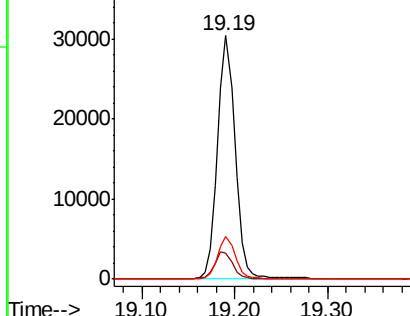
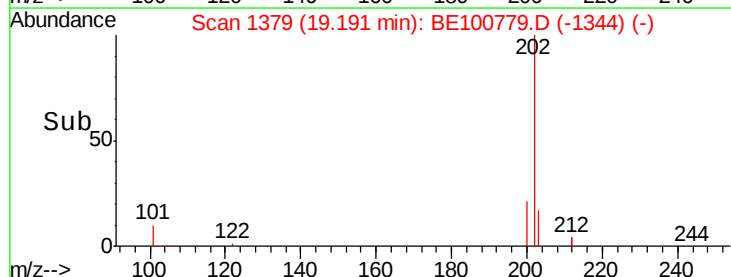
202 100

101 11.4 9.1 13.7

203 16.9 13.8 20.6



Abundance Ion 202.00 (201.70 to 202.70): E
Ion 101.00 (100.70 to 101.70): E
Ion 203.00 (202.70 to 203.70): E





#27

Chrysene-d12

Concen: 0.400 ng

RT: 21.31 min Scan# 1624

Delta R.T. -0.00 min

Lab File: BE100779.D

Acq: 4 Dec 2019 17:18

Instrument :

BNA_E

ClientSampleId :

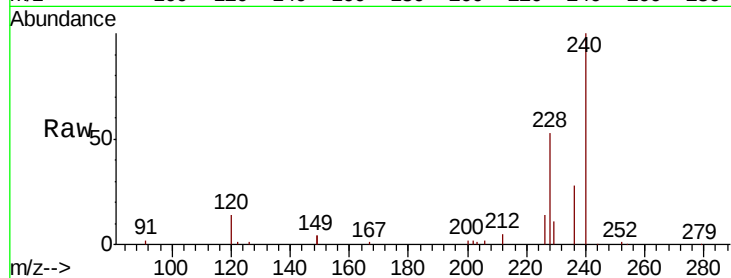
Tot Ion:240 Resp: 29814

Ion Ratio Lower Upper

240 100

120 13.7 10.2 15.2

236 28.5 22.3 33.5

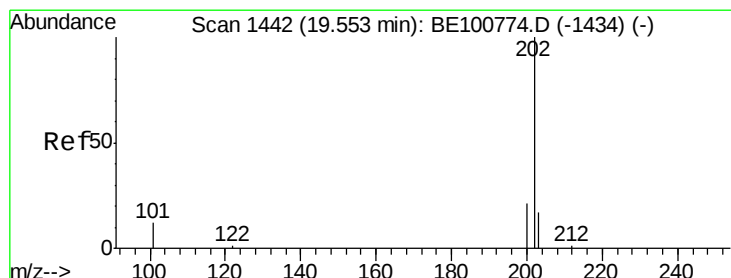
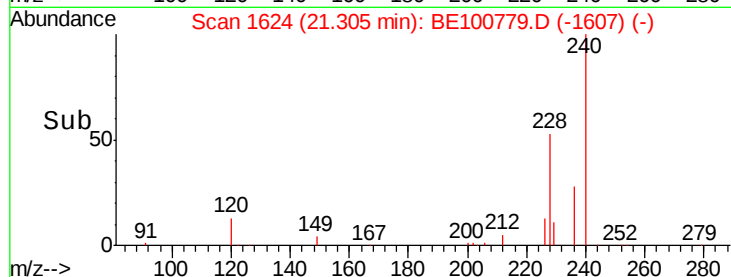
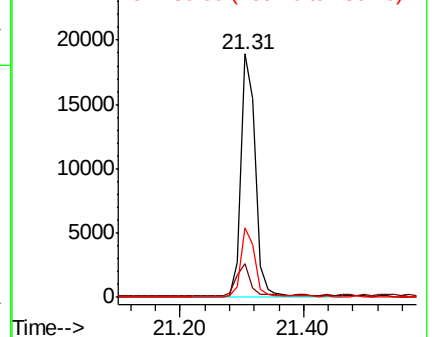


Abundance

Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E



#28

Pyrene

Concen: 0.395 ng

RT: 19.55 min Scan# 1442

Delta R.T. 0.00 min

Lab File: BE100779.D

Acq: 4 Dec 2019 17:18

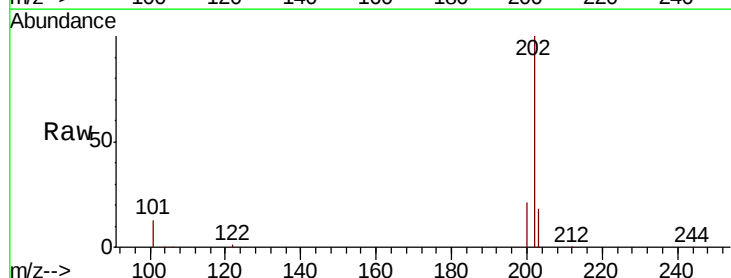
Tgt Ion:202 Resp: 38245

Ion Ratio Lower Upper

202 100

200 21.0 17.0 25.4

203 17.5 13.9 20.9

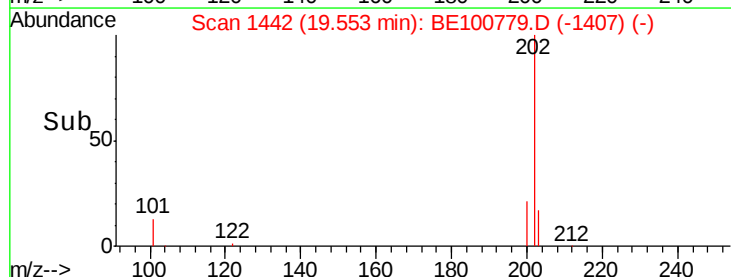
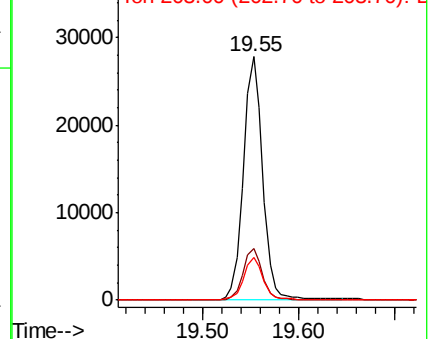


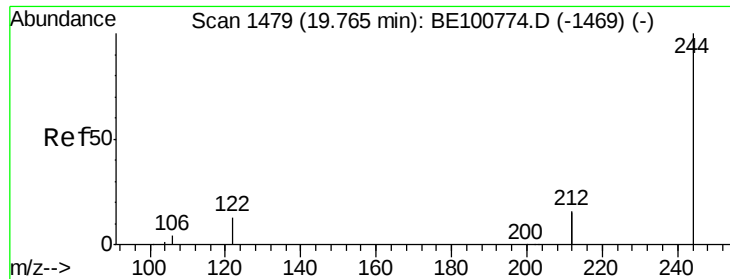
Abundance

Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#29

Terphenyl-d14

Concen: 0.402 ng

RT: 19.77 min Scan# 1479

Delta R.T. 0.00 min

Lab File: BE100779.D

Acq: 4 Dec 2019 17:18

Instrument :

BNA_E

ClientSampleId :

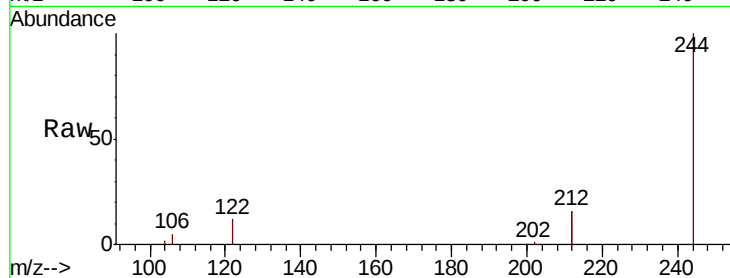
Tot Ion:244 Resp: 28688

Ion Ratio Lower Upper

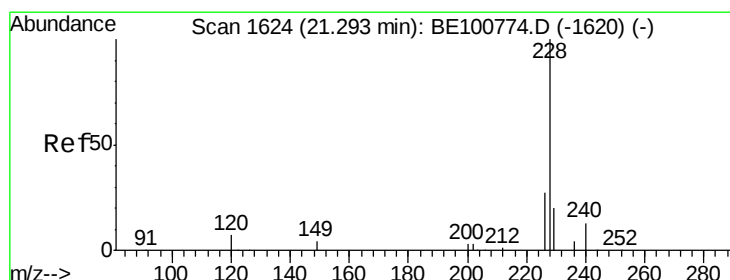
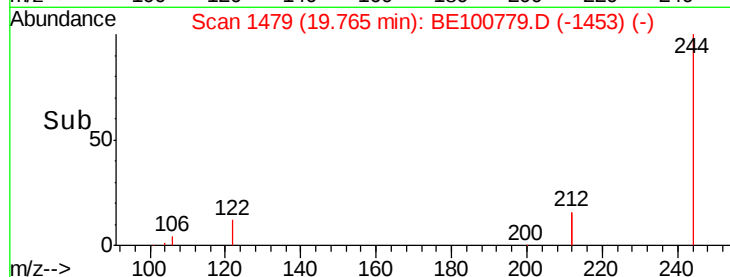
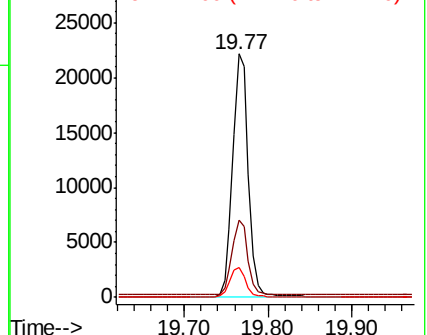
244 100

212 31.6 26.2 39.4

122 12.4 10.2 15.4



Abundance Ion 244.00 (243.70 to 244.70): E
Ion 212.00 (211.70 to 212.70): E
Ion 122.00 (121.70 to 122.70): E



#30

Benzo(a)anthracene

Concen: 0.357 ng

RT: 21.29 min Scan# 1623

Delta R.T. -0.00 min

Lab File: BE100779.D

Acq: 4 Dec 2019 17:18

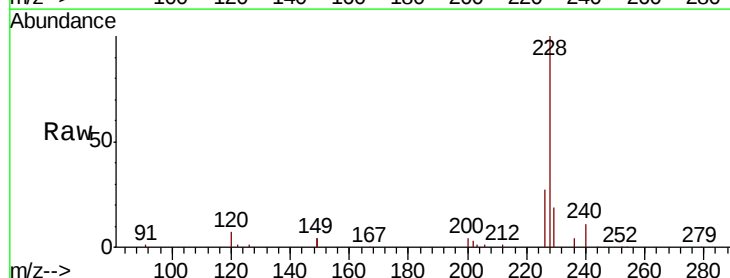
Tgt Ion:228 Resp: 31346

Ion Ratio Lower Upper

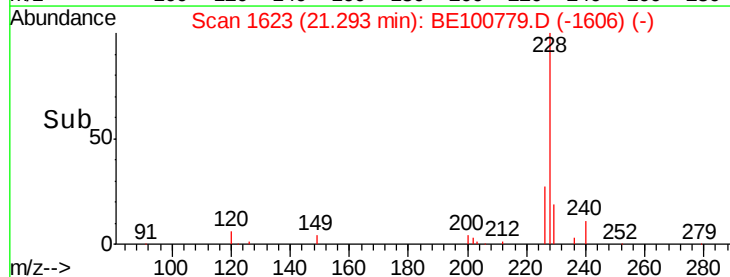
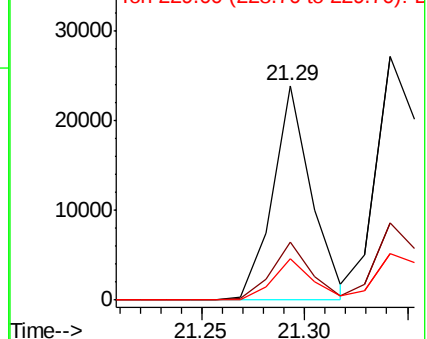
228 100

226 27.3 21.5 32.3

229 19.5 16.0 24.0



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: 0.394 ng

RT: 21.34 min Scan# 1627

Delta R.T. -0.00 min

Lab File: BE100779.D

Acq: 4 Dec 2019 17:18

Instrument :

BNA_E

ClientSampleId :

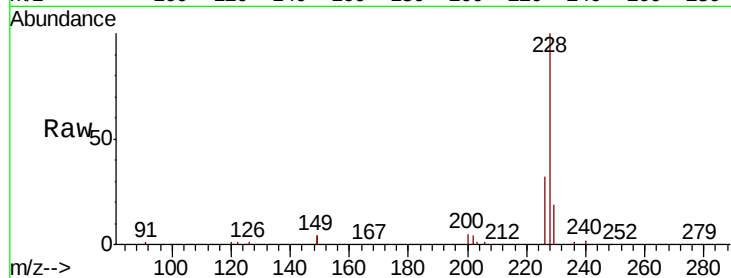
Tot Ion:228 Resp: 40635

Ion Ratio Lower Upper

228 100

226 31.5 25.0 37.4

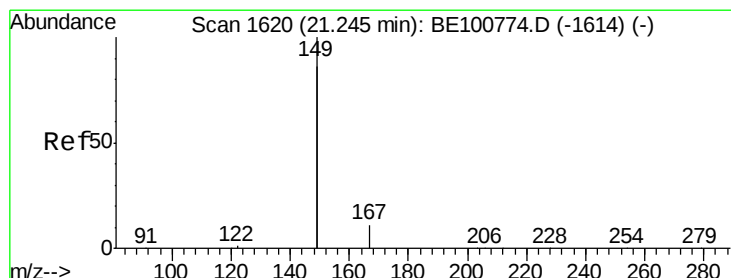
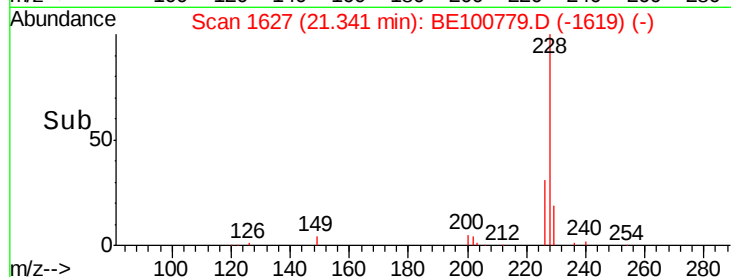
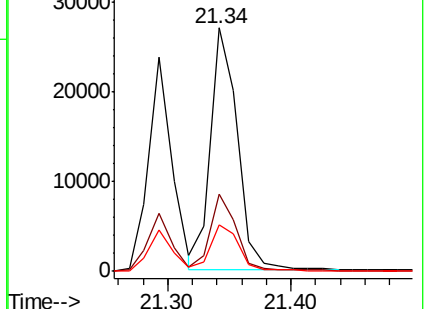
229 19.1 15.4 23.2



Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#32

Bis(2-ethylhexyl)phthalate

Concen: 0.392 ng

RT: 21.24 min Scan# 1619

Delta R.T. 0.00 min

Lab File: BE100779.D

Acq: 4 Dec 2019 17:18

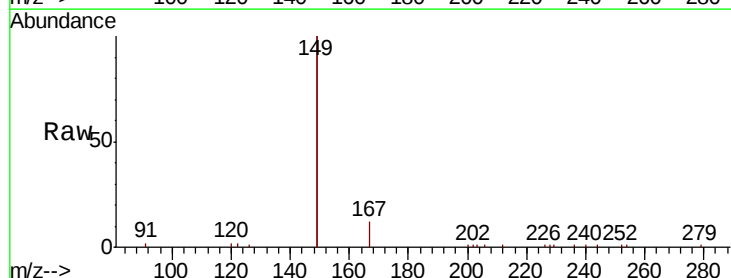
Tgt Ion:149 Resp: 24285

Ion Ratio Lower Upper

149 100

167 6.3 5.0 7.6

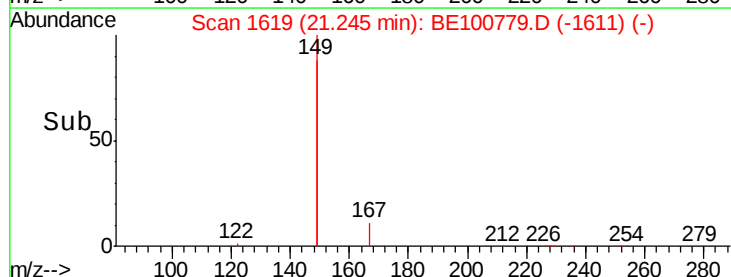
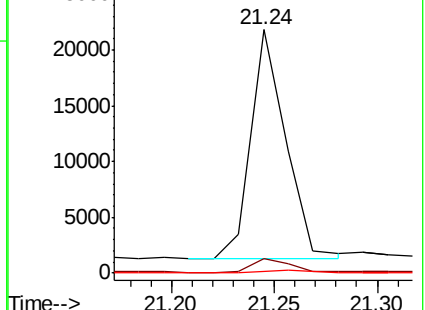
279 0.8 0.7 1.1



Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E





#33

Indeno(1,2,3-cd)pyrene

Concen: 0.348 ng

RT: 26.34 min Scan# 2888

Delta R.T. -0.00 min

Lab File: BE100779.D

Acq: 4 Dec 2019 17:18

Instrument :

BNA_E

ClientSampleId :

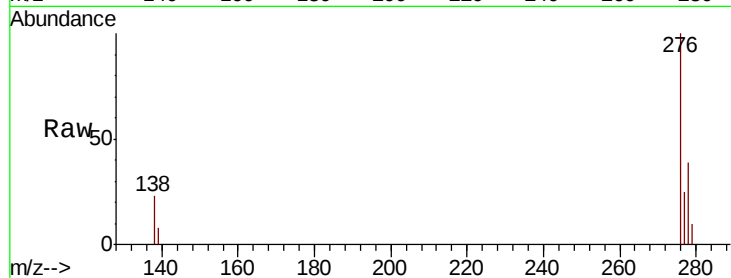
Tot Ion:276 Resp: 31292

Ion Ratio Lower Upper

276 100

138 23.6 19.4 29.0

277 24.4 19.8 29.6

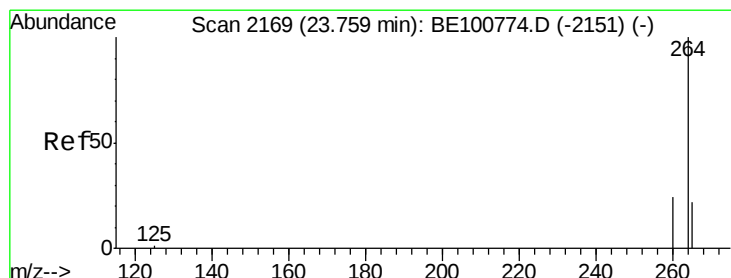
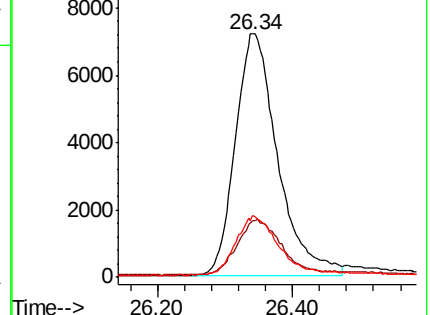
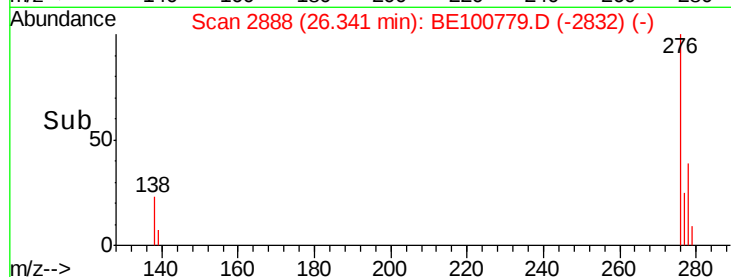


Abundance

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: 23.76 min Scan# 2169

Delta R.T. 0.00 min

Lab File: BE100779.D

Acq: 4 Dec 2019 17:18

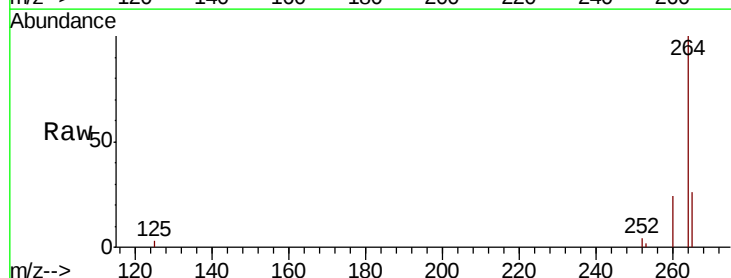
Tgt Ion:264 Resp: 31035

Ion Ratio Lower Upper

264 100

260 23.8 19.4 29.2

265 26.3 21.8 32.8

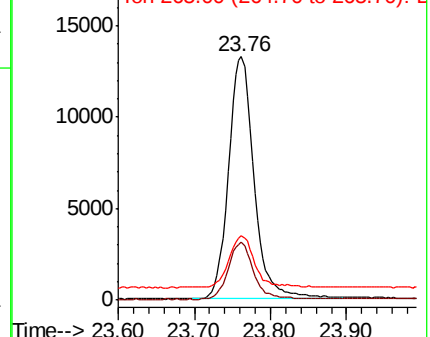
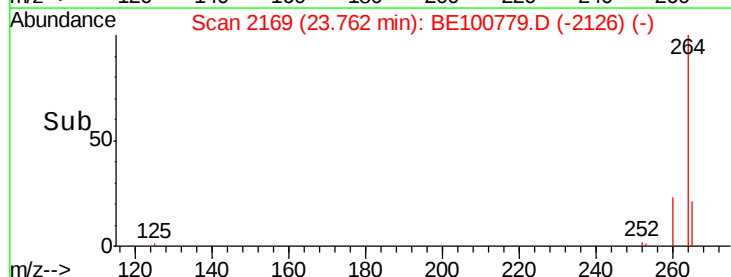


Abundance

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: 0.366 ng

RT: 23.01 min Scan# 1958

Delta R.T. -0.00 min

Lab File: BE100779.D

Acq: 4 Dec 2019 17:18

Instrument :

BNA_E

ClientSampleId :

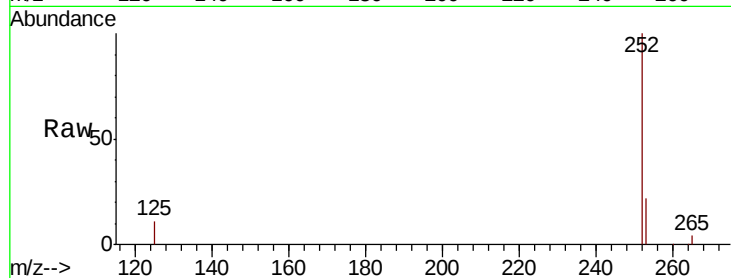
Tot Ion:252 Resp: 31133

Ion Ratio Lower Upper

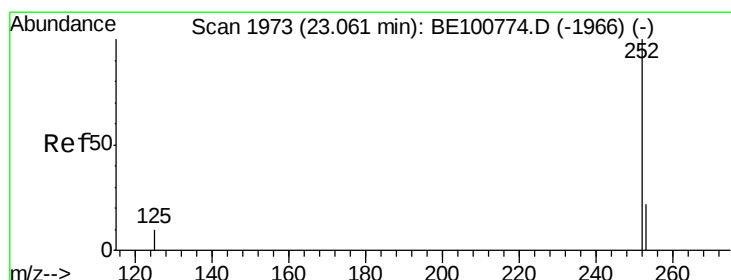
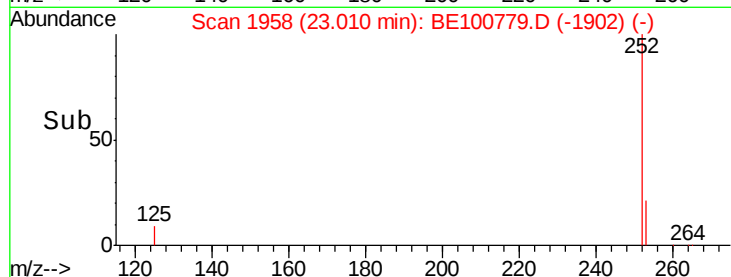
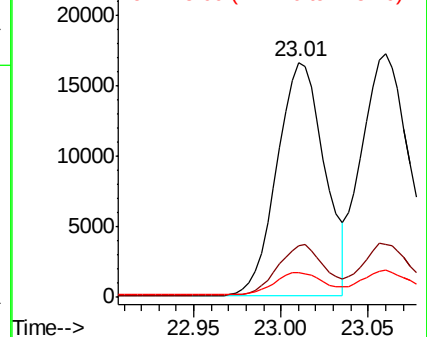
252 100

253 22.2 17.8 26.8

125 10.7 9.0 13.4



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



#36

Benzo(k)fluoranthene

Concen: 0.380 ng

RT: 23.06 min Scan# 1972

Delta R.T. -0.00 min

Lab File: BE100779.D

Acq: 4 Dec 2019 17:18

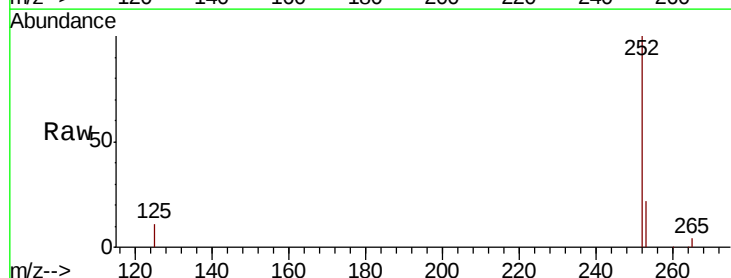
Tgt Ion:252 Resp: 36177

Ion Ratio Lower Upper

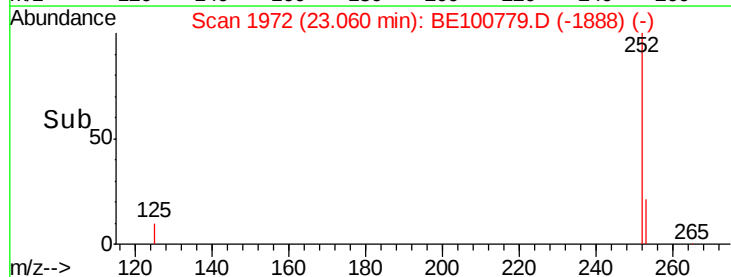
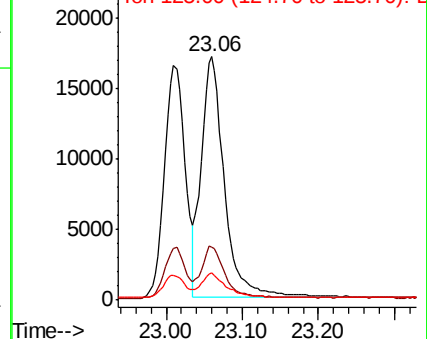
252 100

253 21.7 17.8 26.8

125 11.1 8.7 13.1



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





#37

Benzo(a)pyrene

Concen: 0.352 ng

RT: 23.65 min Scan# 2137

Delta R.T. -0.00 min

Lab File: BE100779.D

Acq: 4 Dec 2019 17:18

Instrument :

BNA_E

ClientSampleId :

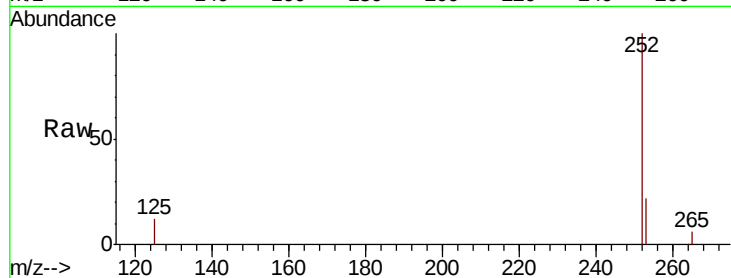
Tot Ion:252 Resp: 25888

Ion Ratio Lower Upper

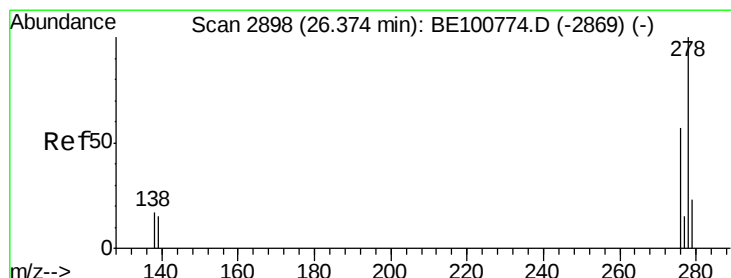
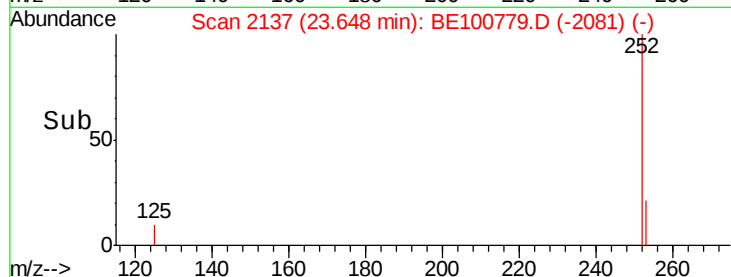
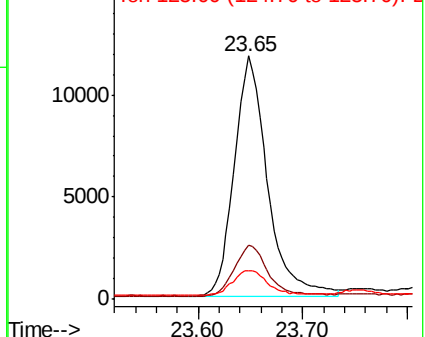
252 100

253 22.4 18.2 27.4

125 12.0 10.4 15.6



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



#38

Dibenzo(a,h)anthracene

Concen: 0.356 ng

RT: 26.37 min Scan# 2896

Delta R.T. -0.00 min

Lab File: BE100779.D

Acq: 4 Dec 2019 17:18

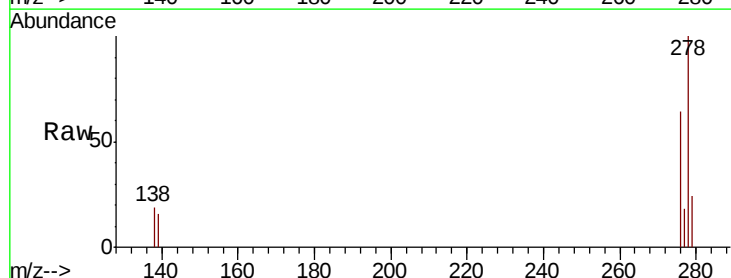
Tgt Ion:278 Resp: 26059

Ion Ratio Lower Upper

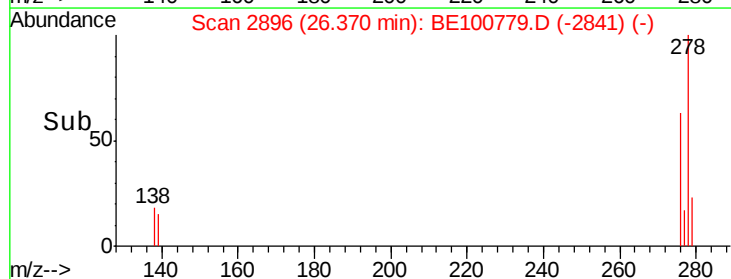
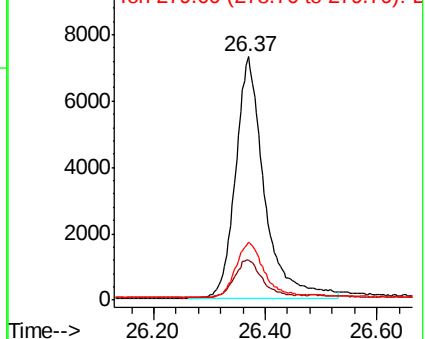
278 100

139 16.2 13.0 19.4

279 23.7 19.6 29.4



Abundance Ion 278.00 (277.70 to 278.70): E
Ion 139.00 (138.70 to 139.70): E
Ion 279.00 (278.70 to 279.70): E





#39

Benzo(a,h,i)perylene

Concen: 0.368 ng

RT: 27.13 min Scan# 3109

Delta R.T. 0.00 min

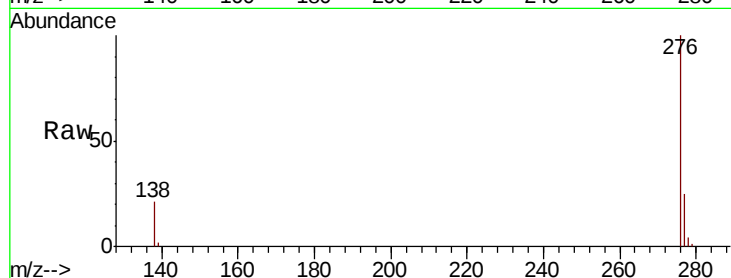
Lab File: BE100779.D

Acq: 4 Dec 2019 17:18

Instrument :

BNA_E

ClientSampleId :



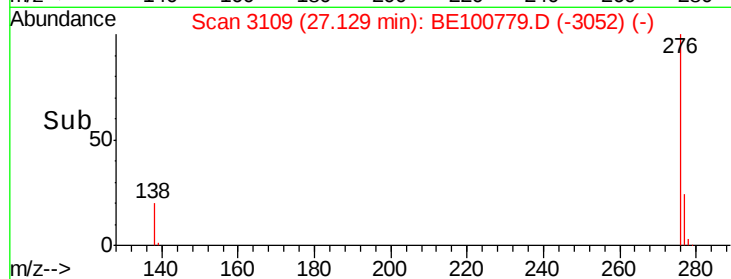
Tot Ion: 276 Resp: 28766

Ion Ratio Lower Upper

276 100

277 25.1 19.3 28.9

138 21.3 17.8 26.6



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

