

Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE121619\
 Data File : BE100944.D
 Acq On : 17 Dec 2019 8:51
 Operator : JU
 Sample : SSTDCCC0.4
 Misc :
 ALS Vial : 29 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :

Quant Time: Dec 17 14:49:21 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	4976	0.40	ng	0.00
7) Naphthalene-d8	10.54	136	24213	0.40	ng	0.00
13) Acenaphthene-d10	14.38	164	15438	0.40	ng	0.00
19) Phenanthrene-d10	17.12	188	36888	0.40	ng	0.00
27) Chrysene-d12	21.29	240	34546	0.40	ng	-0.01
34) Perylene-d12	23.75	264	40665	0.40	ng	0.00

System Monitoring Compounds						
4) 2-Fluorophenol	5.36	112	7420	0.63	ng	0.00
5) Phenol-d6	6.93	99	11034	0.62	ng	0.00
8) Nitrobenzene-d5	8.90	82	8383	0.73	ng	0.00
11) 2-Methylnaphthalene-d10	12.14	152	15905	0.45	ng	0.00
14) 2,4,6-Tribromophenol	15.88	330	1834	1.07	ng	0.00
15) 2-Fluorobiphenyl	13.02	172	22432	0.37	ng	0.00
25) Fluoranthene-d10	19.16	212	176413	0.40	ng	0.00
29) Terphenyl-d14	19.76	244	35523	0.43	ng	0.00

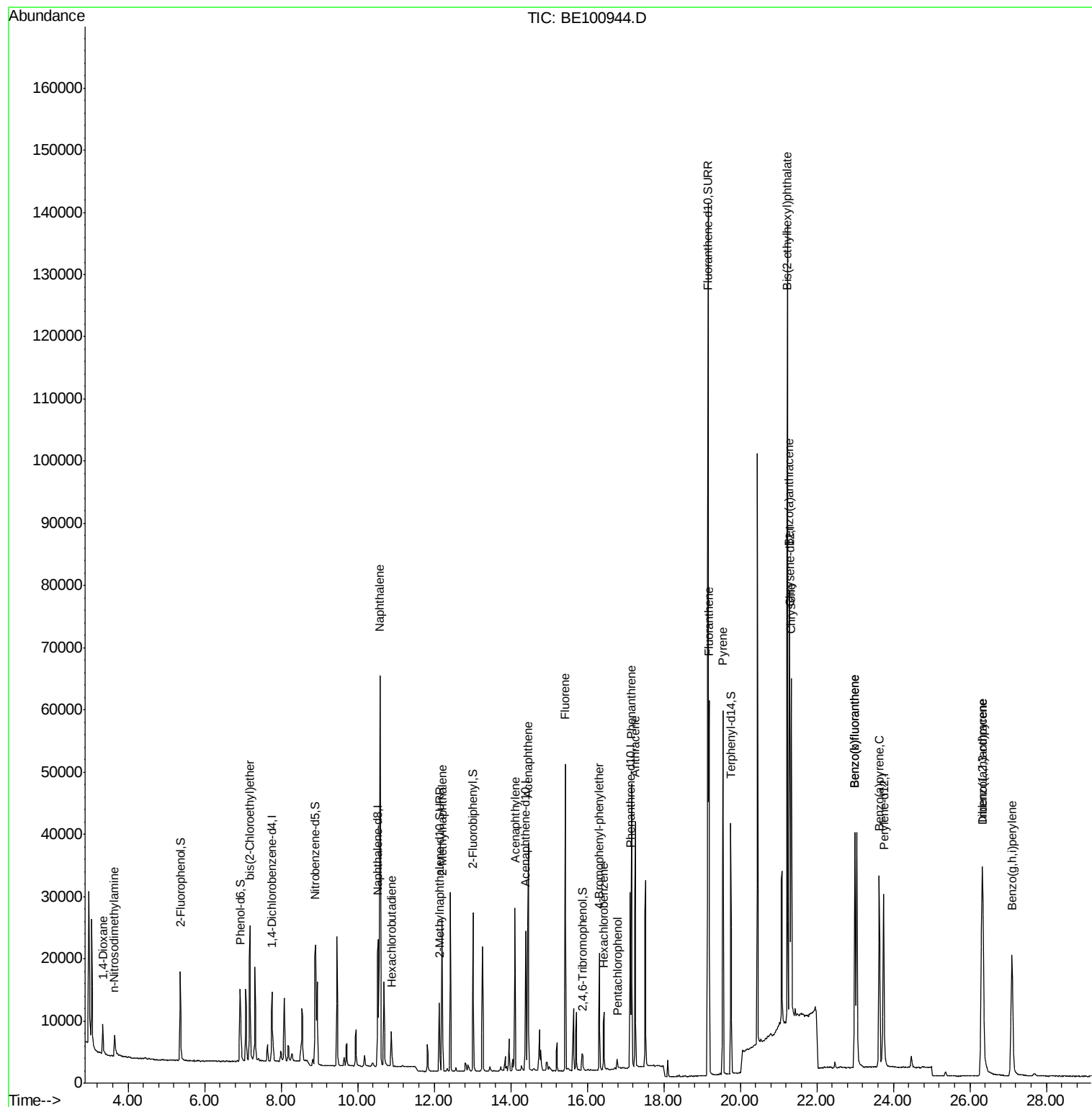
Target Compounds				Qvalue		
2) 1,4-Dioxane	3.34	88	3698	0.408	ng	93
3) n-Nitrosodimethylamine	3.64	42	3539	0.479	ng	# 85
6) bis(2-Chloroethyl)ether	7.18	93	8234	0.478	ng	100
9) Naphthalene	10.58	128	113628	0.442	ng	100
10) Hexachlorobutadiene	10.89	225	4109	0.410	ng	97
12) 2-Methylnaphthalene	12.21	142	18720	0.466	ng	99
16) Acenaphthylene	14.11	152	30332	0.475	ng	100
17) Acenaphthene	14.46	154	18987	0.431	ng	97
18) Fluorene	15.42	166	25457	0.448	ng	99
20) 4-Bromophenyl-phenylether	16.32	248	7600	0.420	ng	94
21) Hexachlorobenzene	16.44	284	7394	0.376	ng	99
22) Pentachlorophenol	16.79	266	1176	0.865	ng	91
23) Phenanthrene	17.16	178	45207	0.405	ng	99
24) Anthracene	17.26	178	41893	0.448	ng	100
26) Fluoranthene	19.18	202	52613	0.395	ng	99
28) Pyrene	19.55	202	54791	0.488	ng	99
30) Benzo(a)anthracene	21.28	228	52541	0.516	ng	98
31) Chrysene	21.33	228	52982	0.443	ng	99
32) Bis(2-ethylhexyl)phthalate	21.23	149	141485	1.574	ng	99
33) Indeno(1,2,3-cd)pyrene	26.32	276	56622	0.543	ng	97
35) Benzo(b)fluoranthene	22.99	252	50914	0.457	ng	# 97
36) Benzo(k)fluoranthene	22.99	252	50914	0.408	ng	98
37) Benzo(a)pyrene	23.63	252	48946	0.508	ng	# 97
38) Dibenzo(a,h)anthracene	26.34	278	45362	0.473	ng	99
39) Benzo(g,h,i)perylene	27.10	276	47243	0.461	ng	98

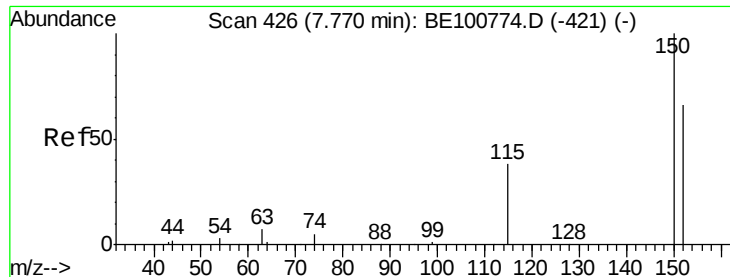
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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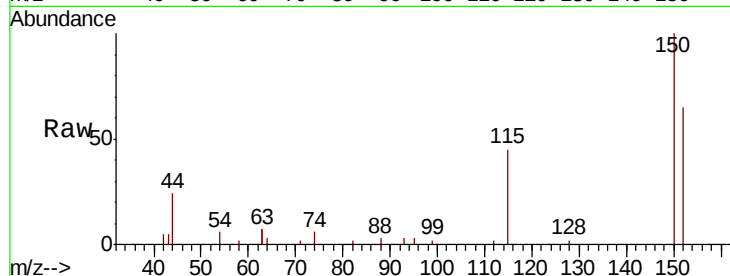


#1

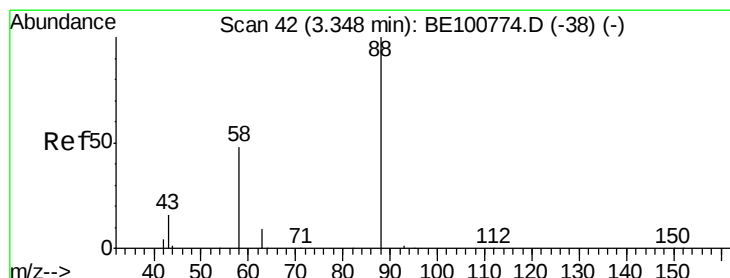
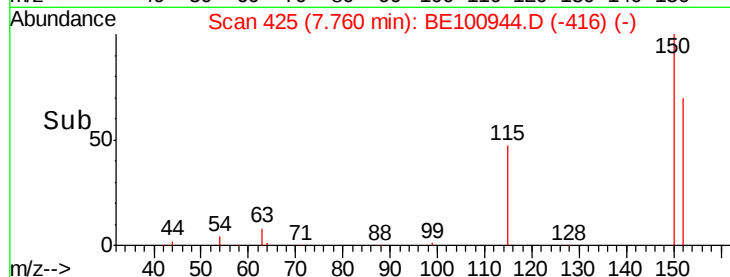
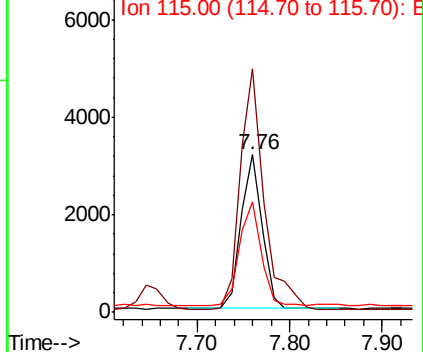
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.76 min Scan# 425
Delta R.T. 0.00 min
Lab File: BE100944.D
Acq: 17 Dec 2019 8:51

Instrument :
BNA_E
ClientSampleId :

Tot Ion:152 Resp: 4976
Ion Ratio Lower Upper
152 100
150 154.8 125.5 188.3
115 70.4 55.7 83.5



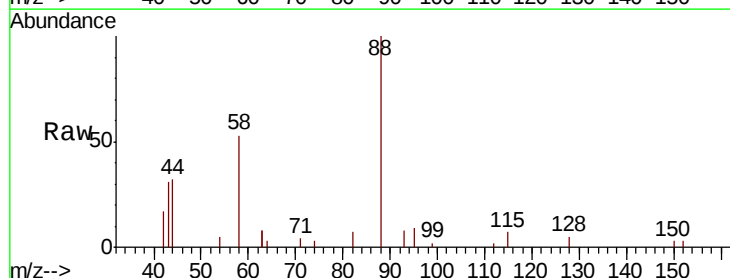
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



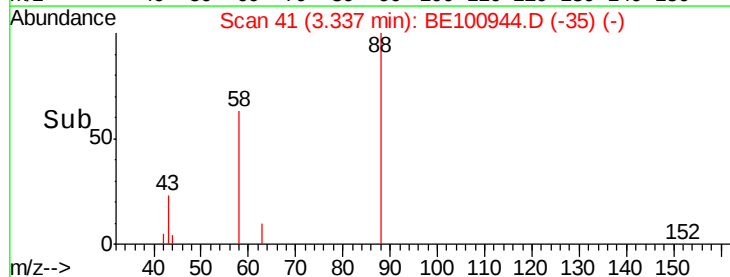
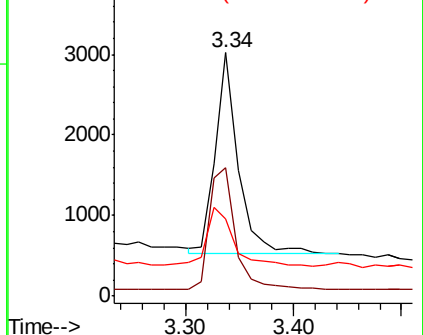
#2

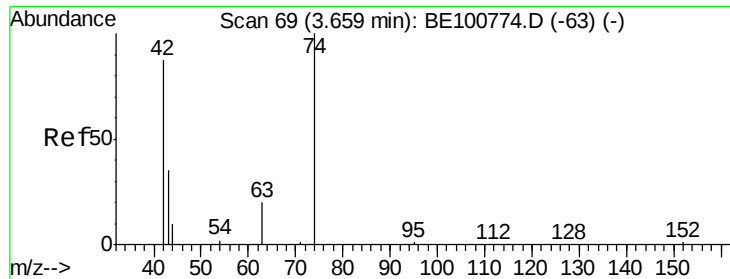
1,4-Dioxane
Concen: 0.408 ng
RT: 3.34 min Scan# 41
Delta R.T. 0.00 min
Lab File: BE100944.D
Acq: 17 Dec 2019 8:51

Tgt Ion: 88 Resp: 3698
Ion Ratio Lower Upper
88 100
58 69.7 52.3 78.5
43 34.2 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: 0.479 ng

RT: 3.64 min Scan# 67

Delta R.T. -0.01 min

Lab File: BE100944.D

Acq: 17 Dec 2019 8:51

Instrument :

BNA_E

ClientSampleId :

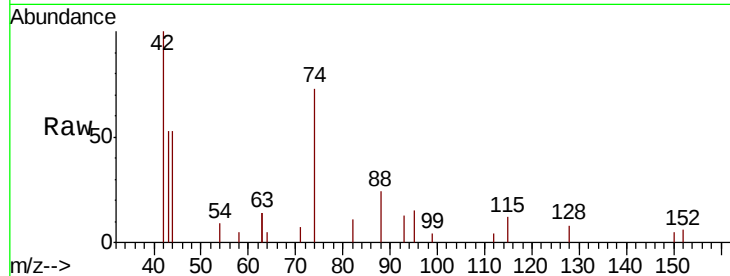
Tot Ion: 42 Resp: 3539

Ion Ratio Lower Upper

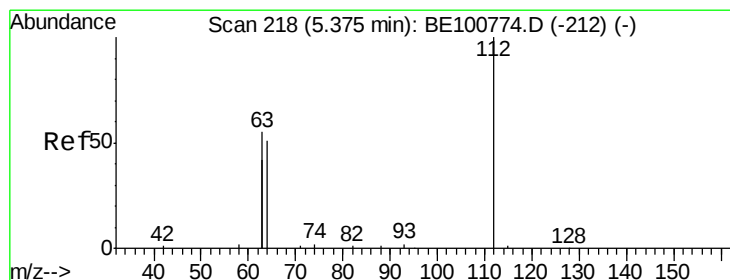
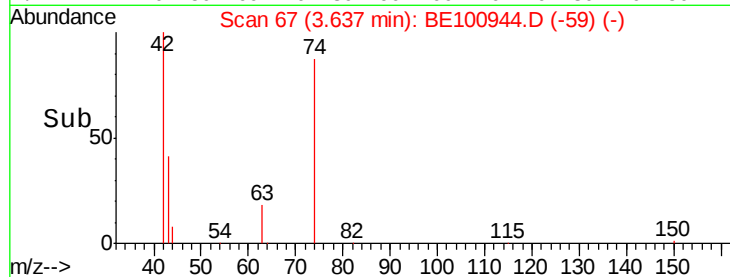
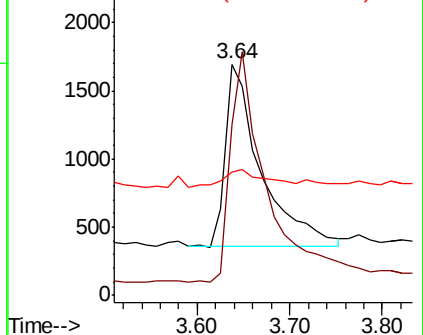
42 100

74 130.2 90.3 135.5

44 8.6 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: 0.628 ng

RT: 5.36 min Scan# 217

Delta R.T. -0.01 min

Lab File: BE100944.D

Acq: 17 Dec 2019 8:51

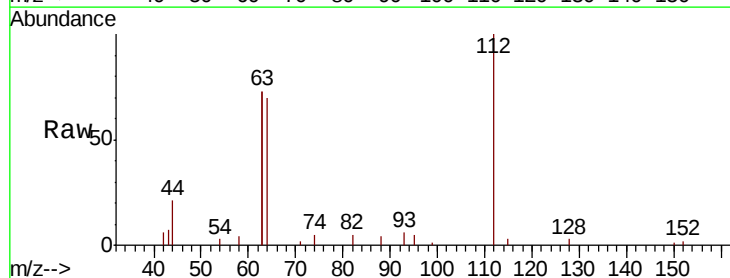
Tgt Ion: 112 Resp: 7420

Ion Ratio Lower Upper

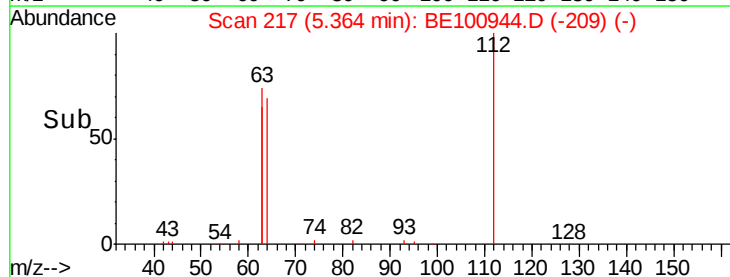
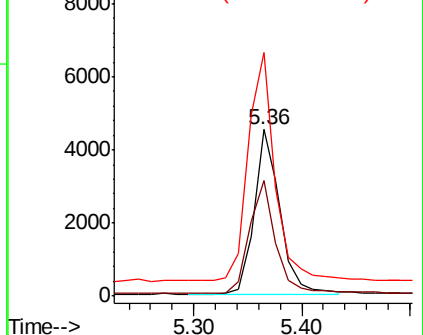
112 100

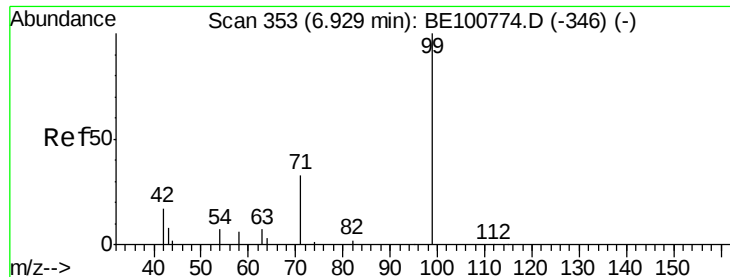
64 69.2 54.5 81.7

63 143.4 116.1 174.1



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: 0.619 ng

RT: 6.93 min Scan# 353

Delta R.T. 0.00 min

Lab File: BE100944.D

Acq: 17 Dec 2019 8:51

Instrument :

BNA_E

ClientSampleId :

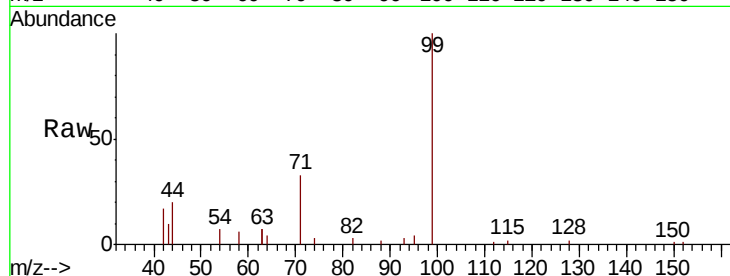
Tot Ion: 99 Resp: 11034

Ion Ratio Lower Upper

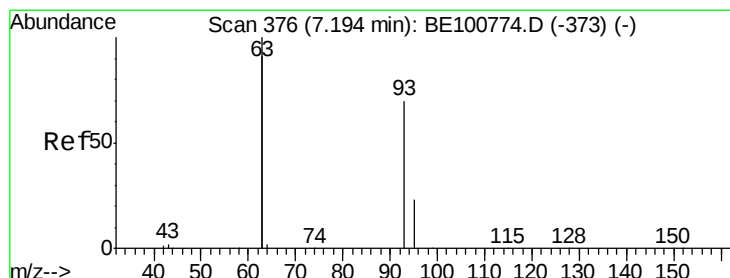
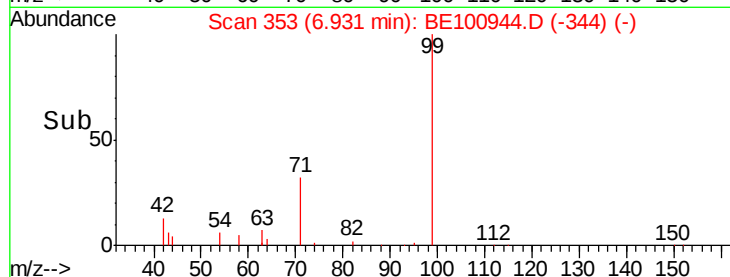
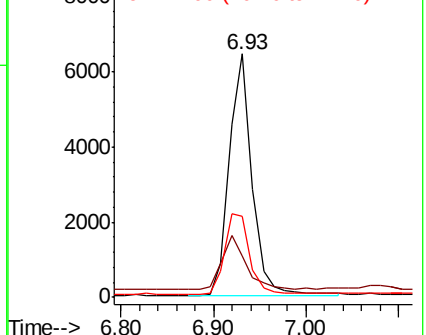
99 100

42 23.3 18.2 27.2

71 37.2 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: 0.478 ng

RT: 7.18 min Scan# 375

Delta R.T. 0.00 min

Lab File: BE100944.D

Acq: 17 Dec 2019 8:51

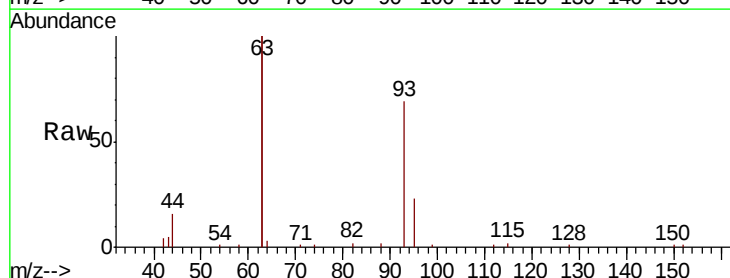
Tgt Ion: 93 Resp: 8234

Ion Ratio Lower Upper

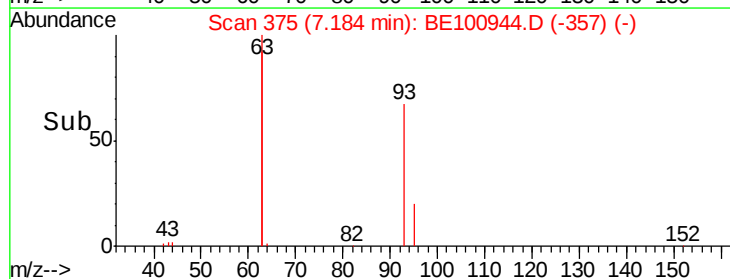
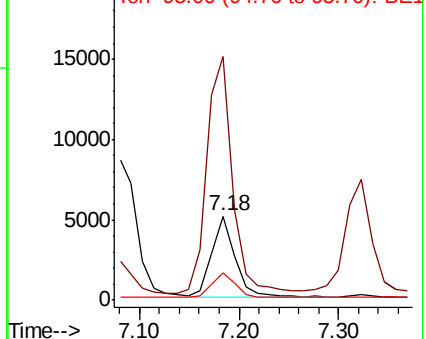
93 100

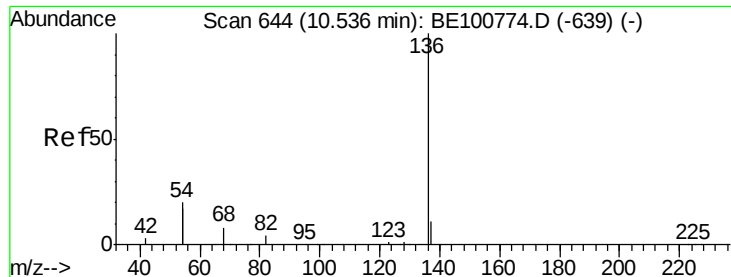
63 316.8 253.9 380.9

95 31.9 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: BE100944.D

Acq: 17 Dec 2019 8:51

Instrument :

BNA_E

ClientSampleId :

Tot Ion:136 Resp: 24213

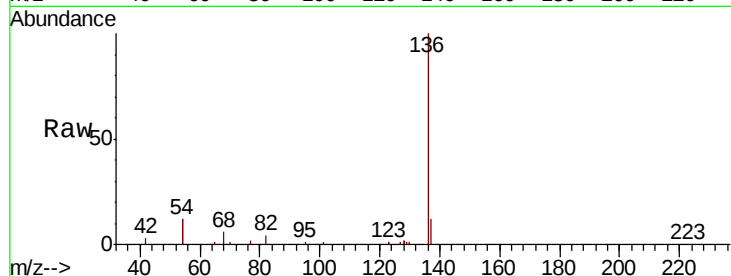
Ion Ratio Lower Upper

136 100

137 11.6 9.1 13.7

54 24.3 18.9 28.3

68 6.0 4.6 6.8

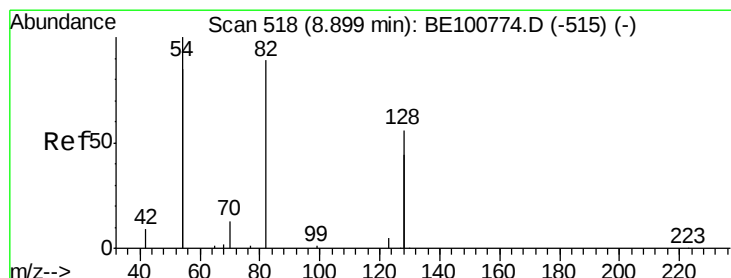
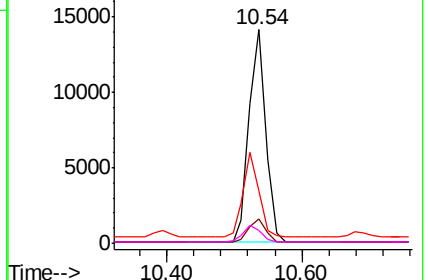
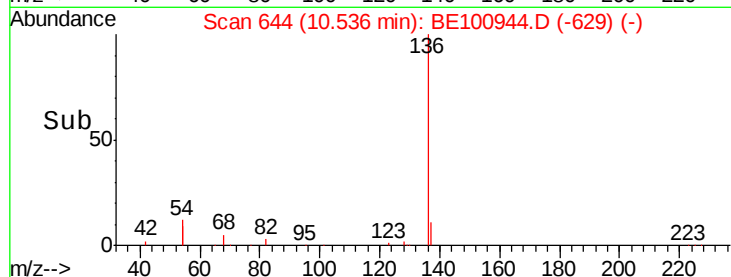


Abundance Ion 136.00 (135.70 to 136.70): E

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: 0.727 ng

RT: 8.90 min Scan# 518

Delta R.T. -0.00 min

Lab File: BE100944.D

Acq: 17 Dec 2019 8:51

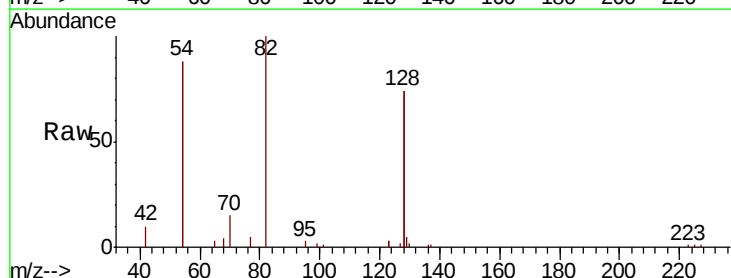
Tgt Ion: 82 Resp: 8383

Ion Ratio Lower Upper

82 100

128 148.9 113.5 170.3

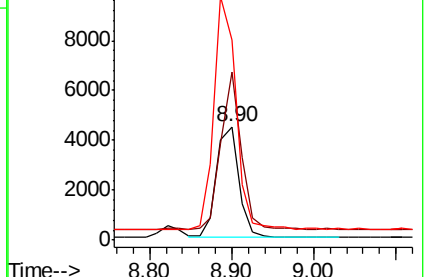
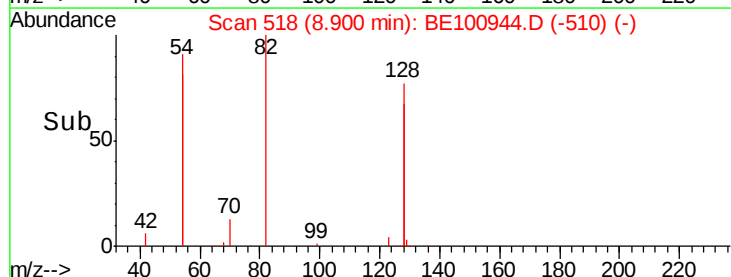
54 176.4 138.9 208.3

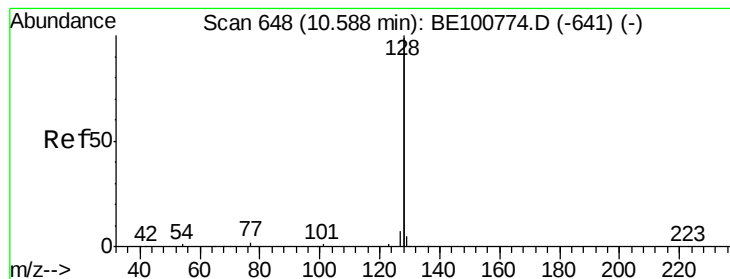


Abundance Ion 82.00 (81.70 to 82.70): BE1

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BE1





#9

Naphthalene

Concen: 0.442 ng

RT: 10.58 min Scan# 647

Delta R.T. -0.00 min

Lab File: BE100944.D

Acq: 17 Dec 2019 8:51

Instrument :

BNA_E

ClientSampleId :

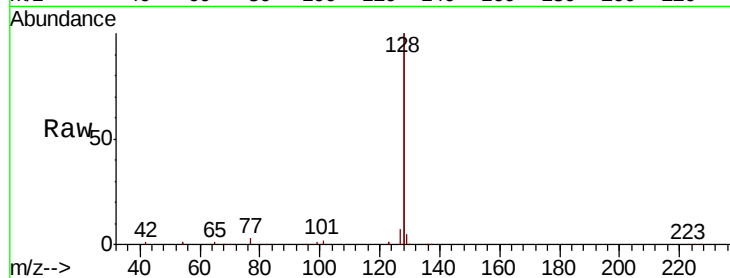
Tot Ion:128 Resp: 113628

Ion Ratio Lower Upper

128 100

129 2.7 2.2 3.4

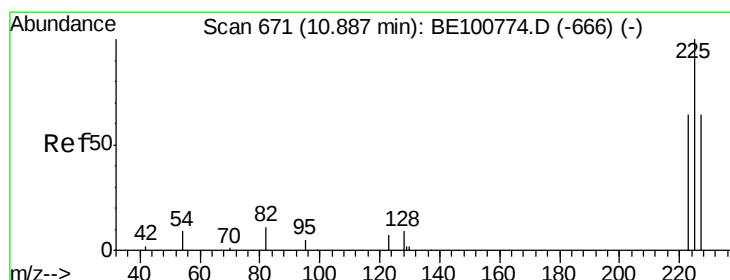
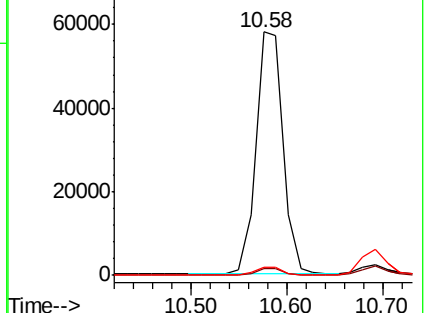
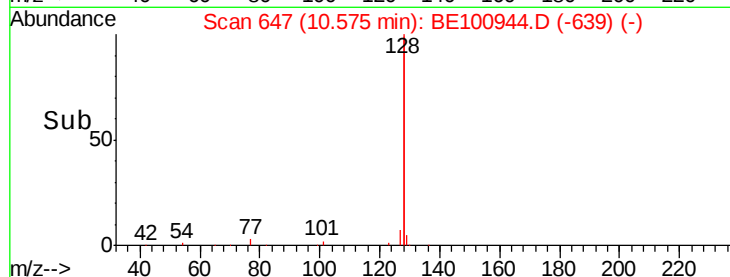
127 3.5 2.8 4.2



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: 0.410 ng

RT: 10.89 min Scan# 671

Delta R.T. -0.00 min

Lab File: BE100944.D

Acq: 17 Dec 2019 8:51

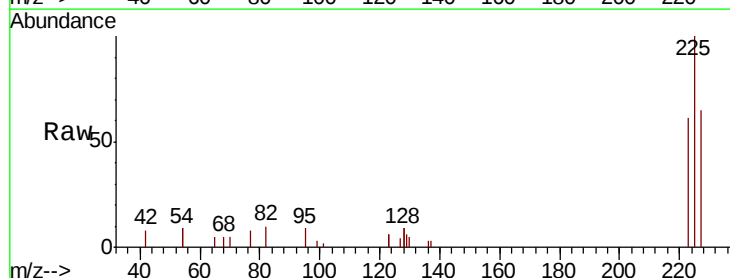
Tgt Ion:225 Resp: 4109

Ion Ratio Lower Upper

225 100

223 62.7 52.1 78.1

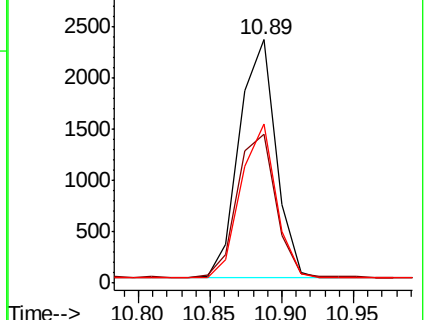
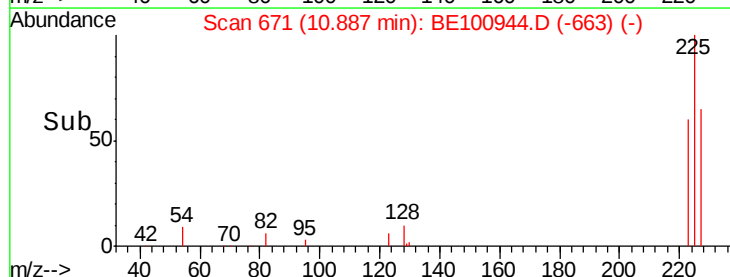
227 62.0 51.1 76.7

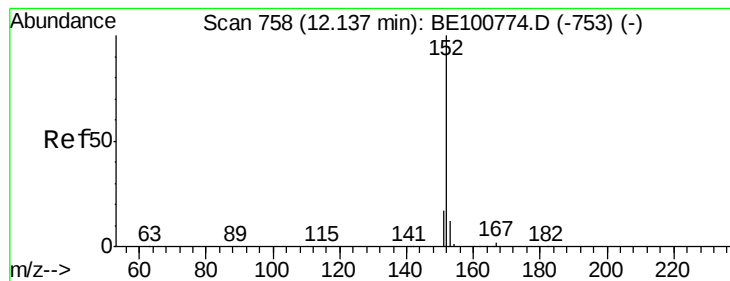


Abundance Ion 225.00 (224.70 to 225.70): E

Ion 223.00 (222.70 to 223.70): E

Ion 227.00 (226.70 to 227.70): E





#11

2-Methylnaphthalene-d10

Concen: 0.453 ng

RT: 12.14 min Scan# 758

Delta R.T. 0.00 min

Lab File: BE100944.D

Acq: 17 Dec 2019 8:51

Instrument :

BNA_E

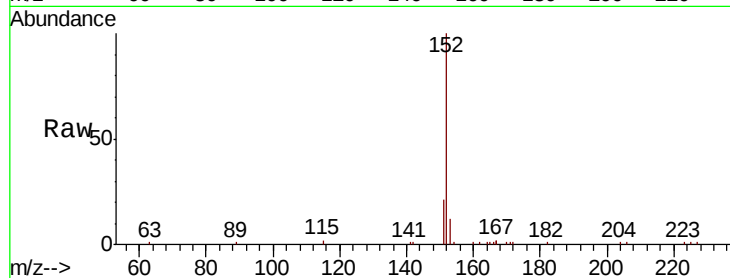
ClientSampleId :

Tot Ion:152 Resp: 15905

Ion Ratio Lower Upper

152 100

151 19.2 15.1 22.7



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

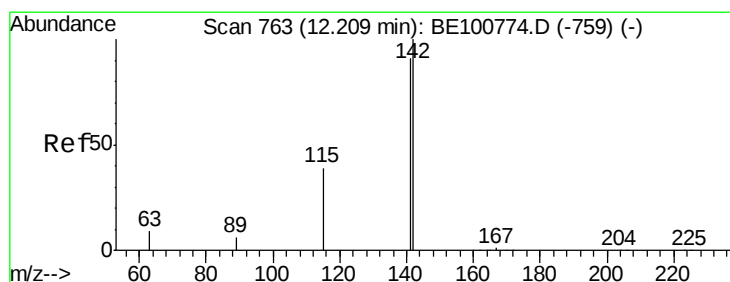
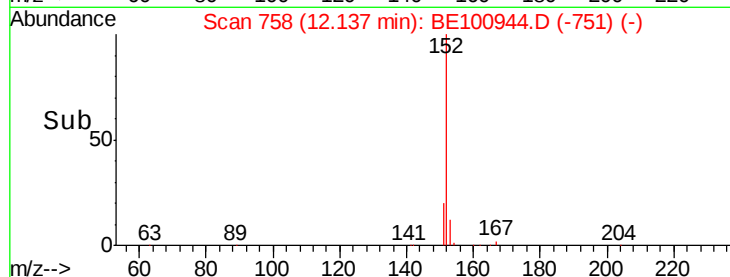
0

Time-->

12.00

12.10

12.20



#12

2-Methylnaphthalene

Concen: 0.466 ng

RT: 12.21 min Scan# 763

Delta R.T. 0.00 min

Lab File: BE100944.D

Acq: 17 Dec 2019 8:51

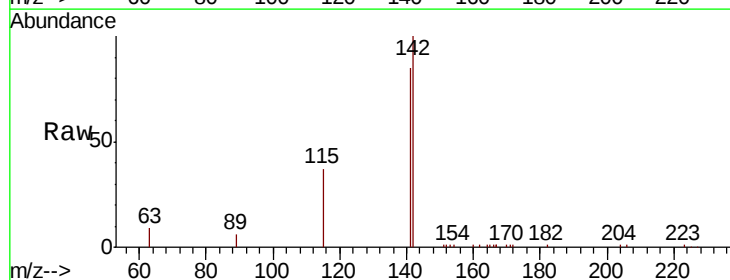
Tgt Ion:142 Resp: 18720

Ion Ratio Lower Upper

142 100

141 85.0 68.9 103.3

115 37.2 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

10000

5000

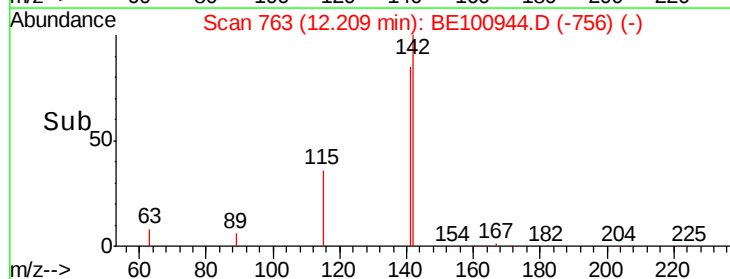
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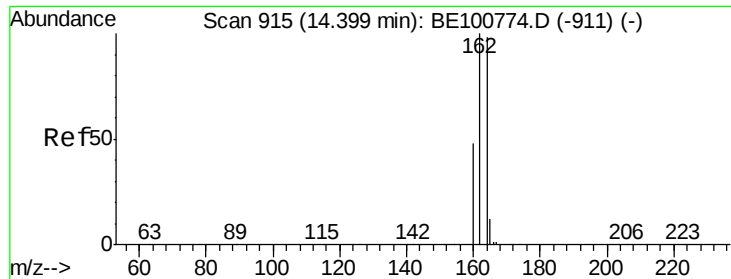
Time-->

12.10

12.20

12.30

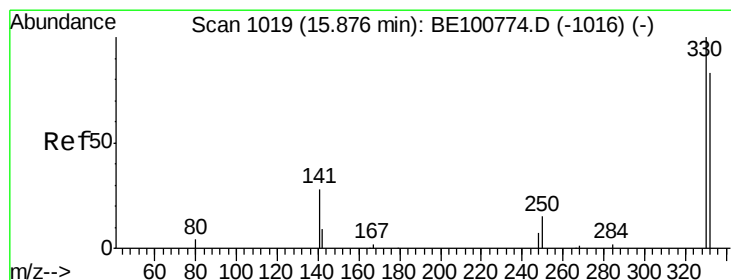
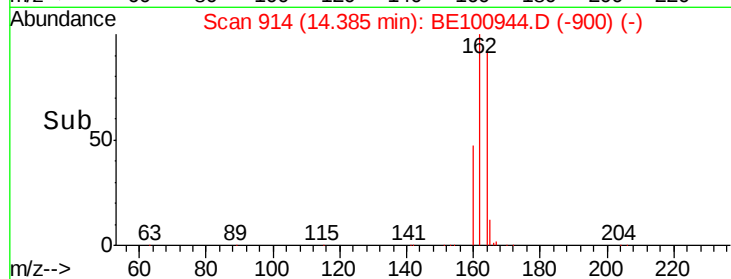
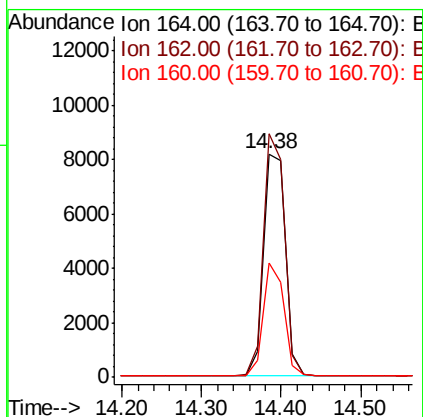
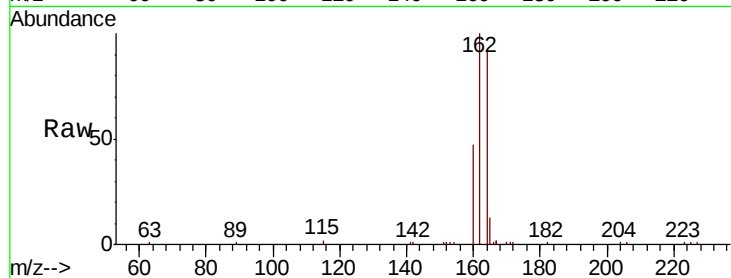




#13
 Acenaphthene-d10
 Concen: 0.400 ng
 RT: 14.38 min Scan# 914
 Delta R.T. 0.00 min
 Lab File: BE100944.D
 Acq: 17 Dec 2019 8:51

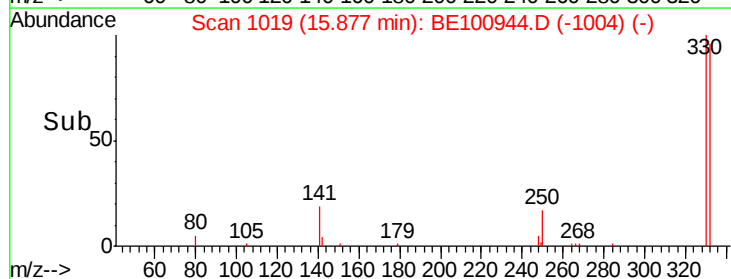
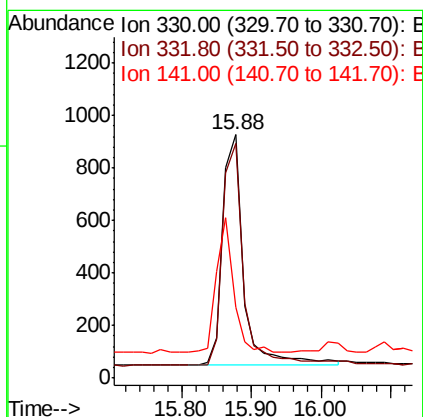
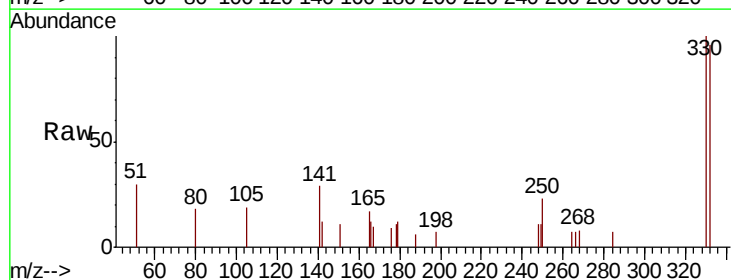
Instrument :
 BNA_E
 ClientSampleId :

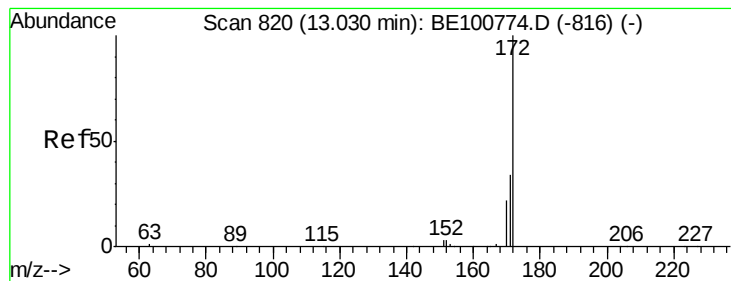
Tot Ion:164 Resp: 15438
 Ion Ratio Lower Upper
 164 100
 162 109.0 86.0 129.0
 160 51.3 42.3 63.5



#14
 2,4,6-Tribromophenol
 Concen: 1.068 ng
 RT: 15.88 min Scan# 1019
 Delta R.T. 0.00 min
 Lab File: BE100944.D
 Acq: 17 Dec 2019 8:51

Tgt Ion:330 Resp: 1834
 Ion Ratio Lower Upper
 330 100
 332 96.1 74.1 111.1
 141 46.9 46.7 70.1

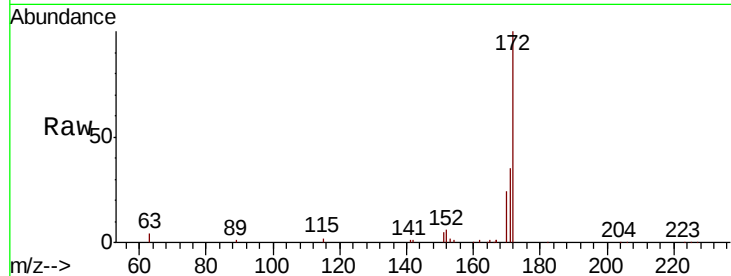




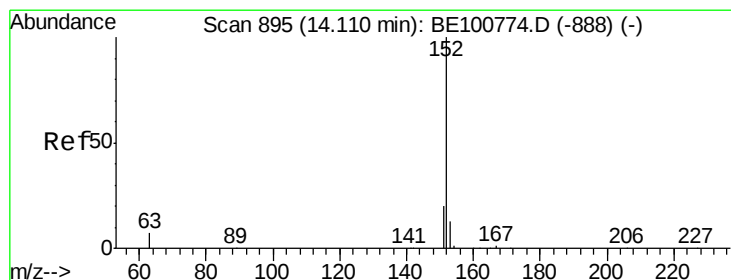
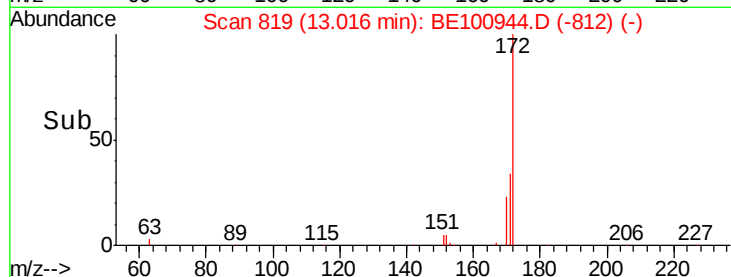
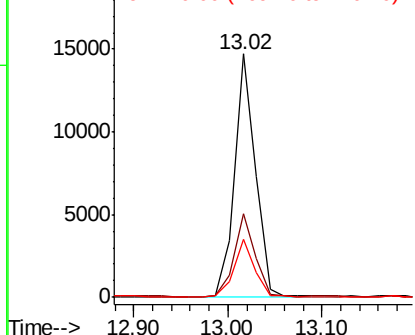
#15
2-Fluorobiphenyl
Concen: 0.366 ng
RT: 13.02 min Scan# 819
Delta R.T. 0.00 min
Lab File: BE100944.D
Acq: 17 Dec 2019 8:51

Instrument :
BNA_E
ClientSampleId :

Tot Ion:172 Resp: 22432
Ion Ratio Lower Upper
172 100
171 34.6 28.2 42.4
170 23.7 19.4 29.0

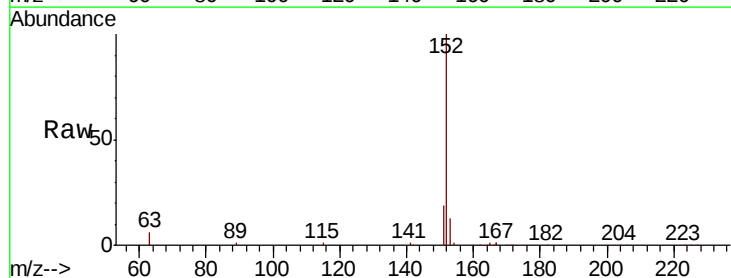


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

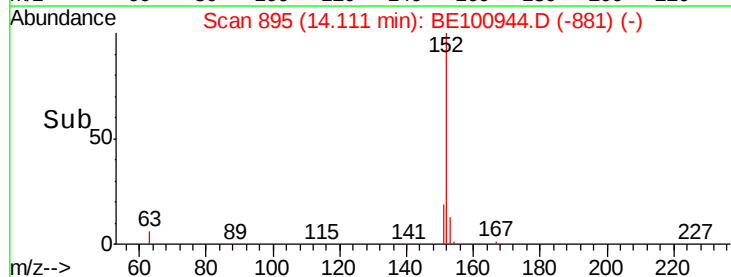
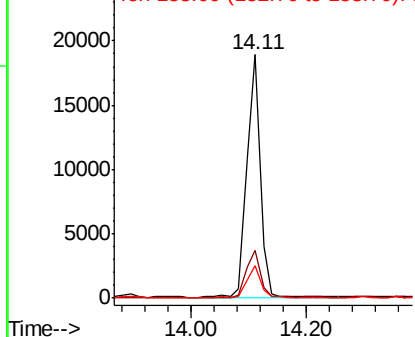


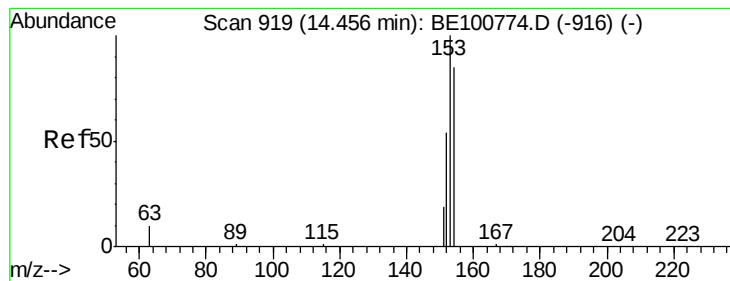
#16
Acenaphthylene
Concen: 0.475 ng
RT: 14.11 min Scan# 895
Delta R.T. 0.00 min
Lab File: BE100944.D
Acq: 17 Dec 2019 8:51

Tgt Ion:152 Resp: 30332
Ion Ratio Lower Upper
152 100
151 19.7 15.9 23.9
153 13.0 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: 0.431 ng

RT: 14.46 min Scan# 919

Delta R.T. 0.00 min

Lab File: BE100944.D

Acq: 17 Dec 2019 8:51

Instrument :

BNA_E

ClientSampleId :

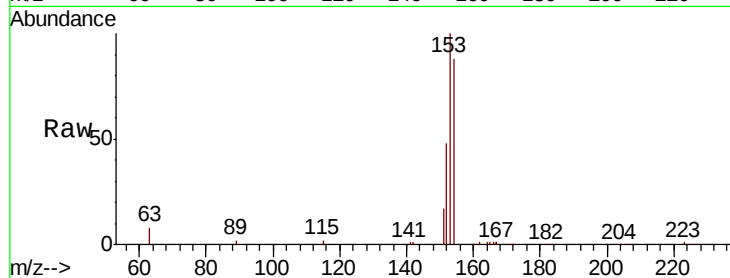
Tot Ion:154 Resp: 18987

Ion Ratio Lower Upper

154 100

153 116.5 91.5 137.3

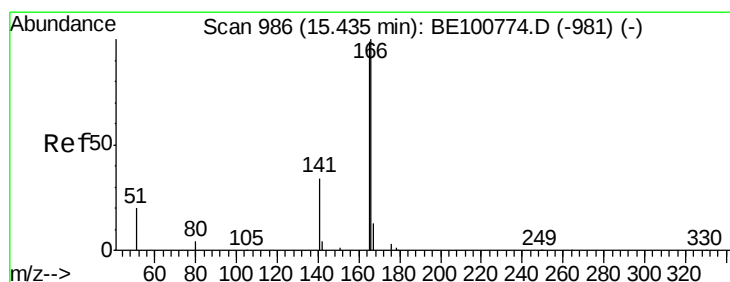
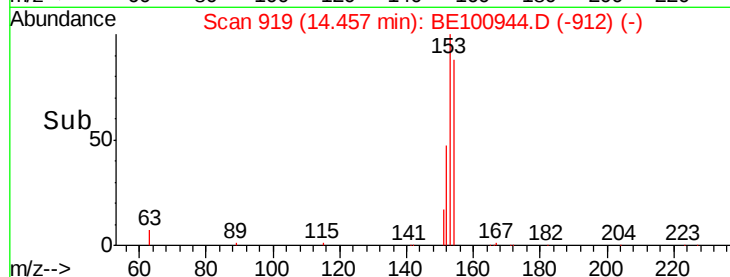
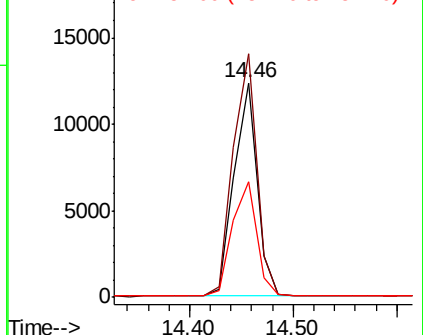
152 56.9 47.7 71.5



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: 0.448 ng

RT: 15.42 min Scan# 985

Delta R.T. 0.00 min

Lab File: BE100944.D

Acq: 17 Dec 2019 8:51

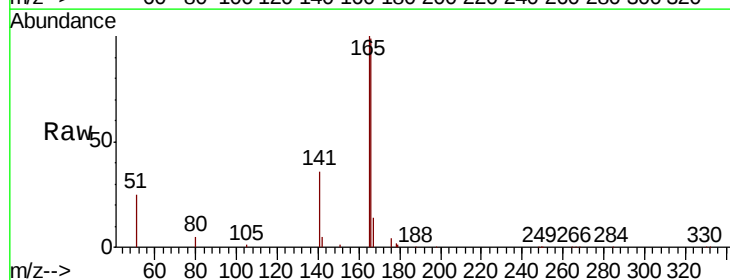
Tgt Ion:166 Resp: 25457

Ion Ratio Lower Upper

166 100

165 99.4 80.2 120.4

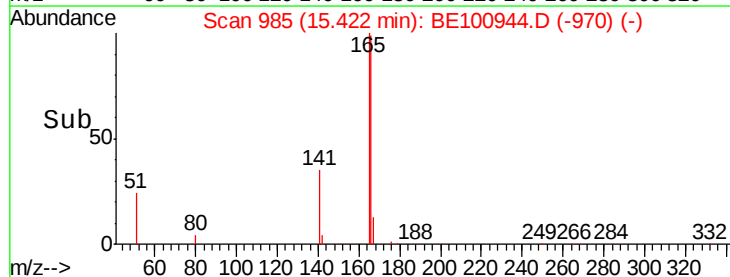
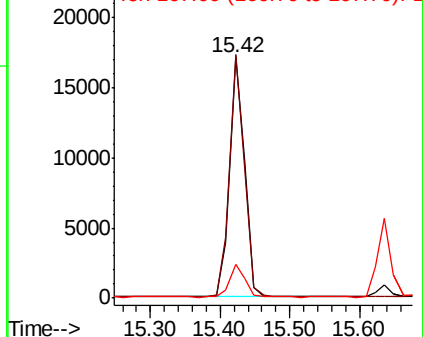
167 13.7 10.6 16.0

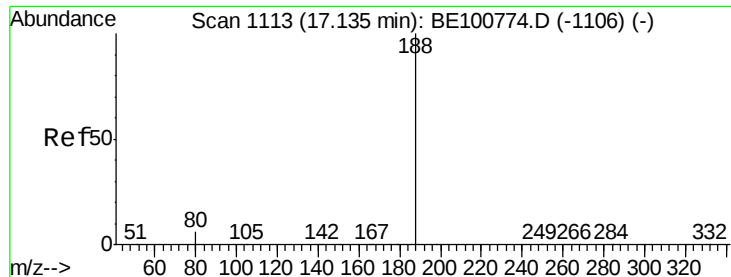


Abundance Ion 166.00 (165.70 to 166.70): E

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: BE100944.D

Acq: 17 Dec 2019 8:51

Instrument :

BNA_E

ClientSampleId :

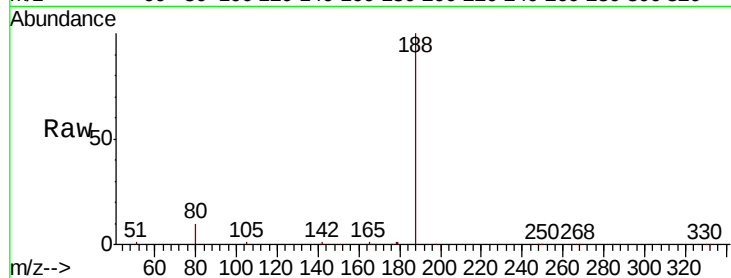
Tot Ion:188 Resp: 36888

Ion Ratio Lower Upper

188 100

94 0.0 0.0 0.0

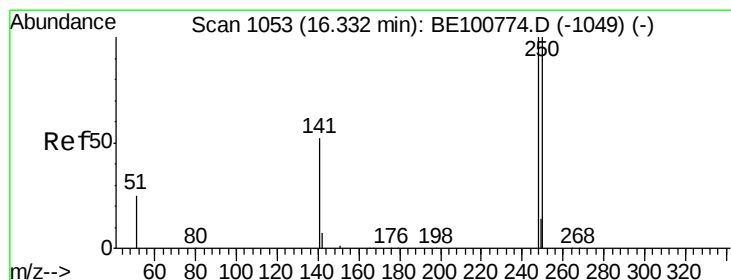
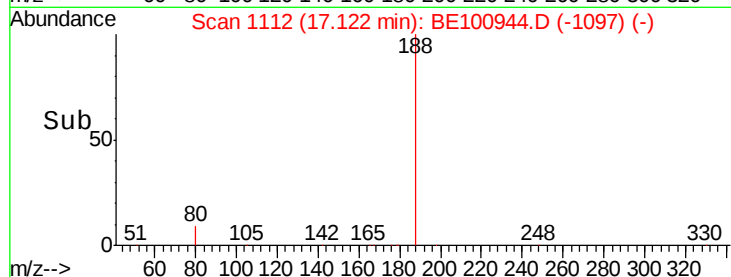
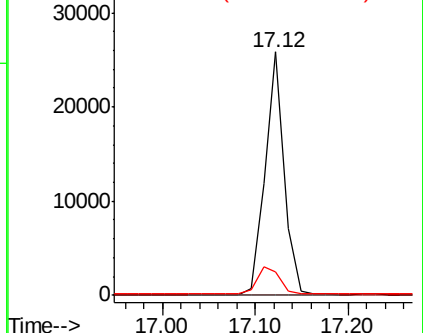
80 9.5 7.9 11.9



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: 0.420 ng

RT: 16.32 min Scan# 1052

Delta R.T. 0.00 min

Lab File: BE100944.D

Acq: 17 Dec 2019 8:51

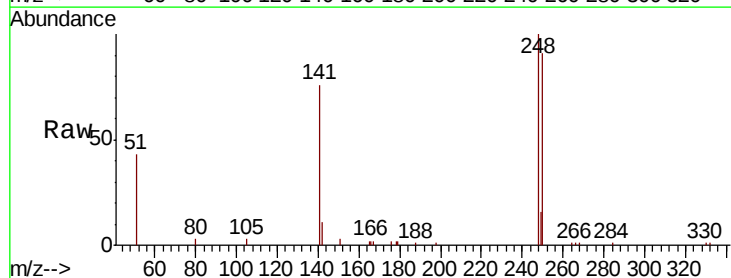
Tgt Ion:248 Resp: 7600

Ion Ratio Lower Upper

248 100

250 91.5 72.4 108.6

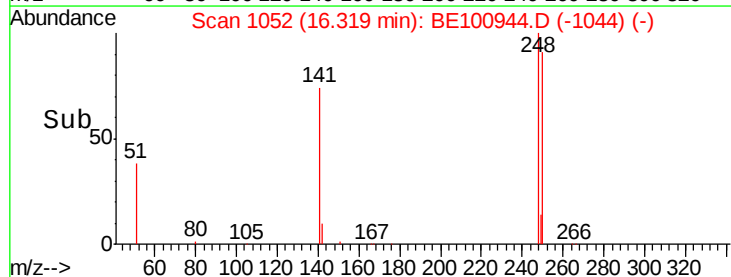
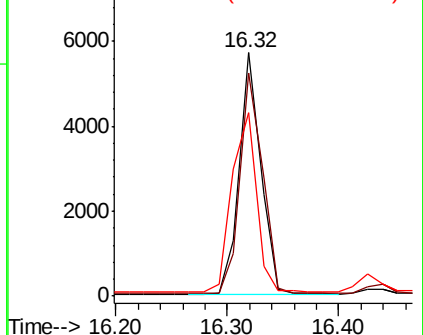
141 75.5 68.2 102.2

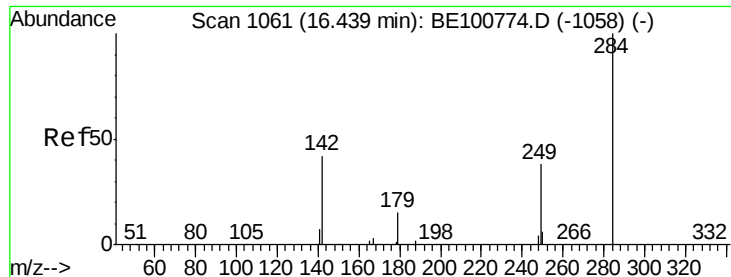


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E

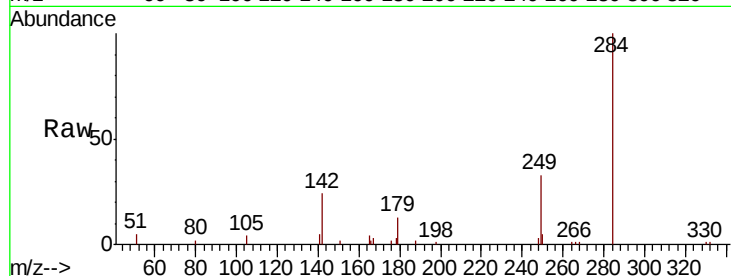




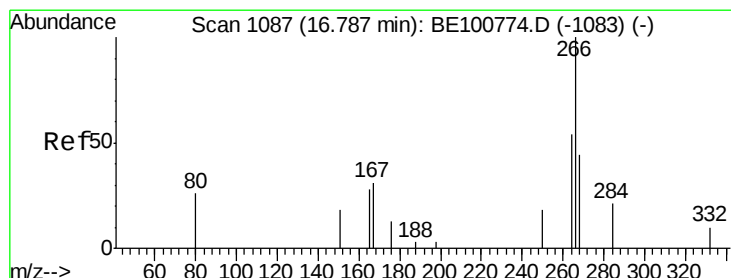
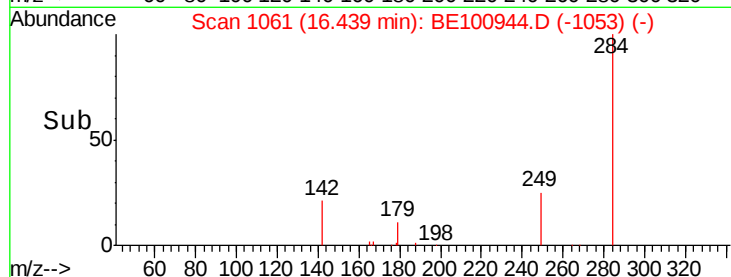
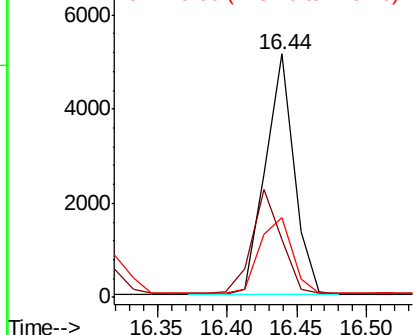
#21
Hexachlorobenzene
Concen: 0.376 ng
RT: 16.44 min Scan# 1061
Delta R.T. 0.00 min
Lab File: BE100944.D
Acq: 17 Dec 2019 8:51

Instrument :
BNA_E
ClientSampleId :

Tot Ion:284 Resp: 7394
Ion Ratio Lower Upper
284 100
142 43.4 35.0 52.4
249 35.9 28.1 42.1

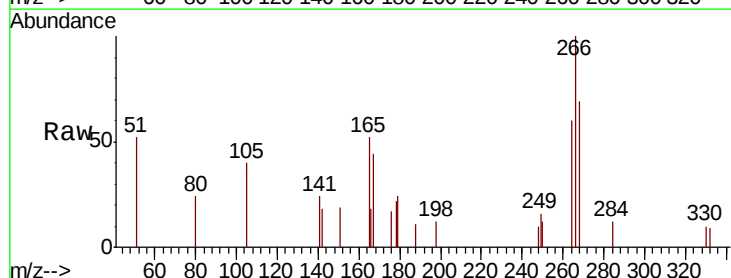


Abundance Ion 283.80 (283.50 to 284.50): E
Ion 142.00 (141.70 to 142.70): E
Ion 249.00 (248.70 to 249.70): E

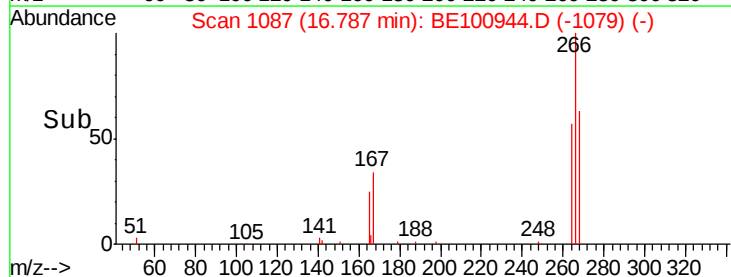
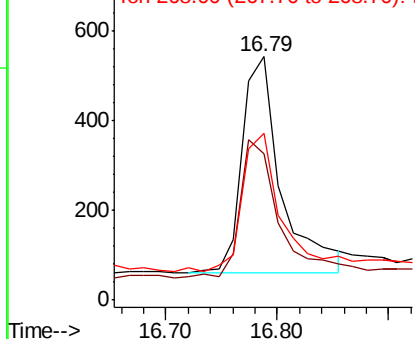


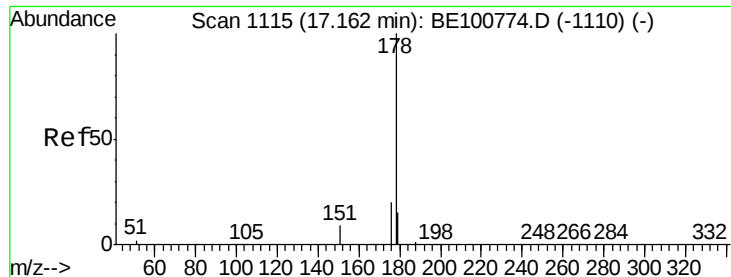
#22
Pentachlorophenol
Concen: 0.865 ng
RT: 16.79 min Scan# 1087
Delta R.T. 0.00 min
Lab File: BE100944.D
Acq: 17 Dec 2019 8:51

Tgt Ion:266 Resp: 1176
Ion Ratio Lower Upper
266 100
264 60.2 55.1 82.7
268 68.7 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: 0.405 ng

RT: 17.16 min Scan# 1115

Delta R.T. 0.00 min

Lab File: BE100944.D

Acq: 17 Dec 2019 8:51

Instrument :

BNA_E

ClientSampleId :

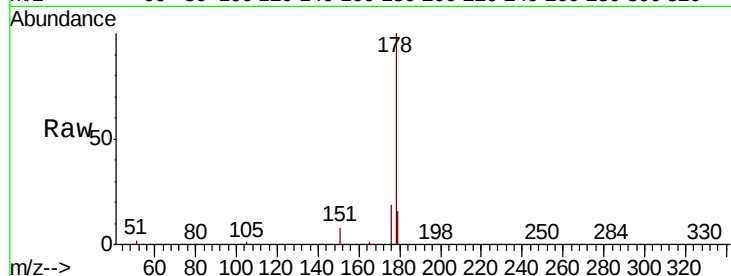
Tot Ion:178 Resp: 45207

Ion Ratio Lower Upper

178 100

176 19.3 15.6 23.4

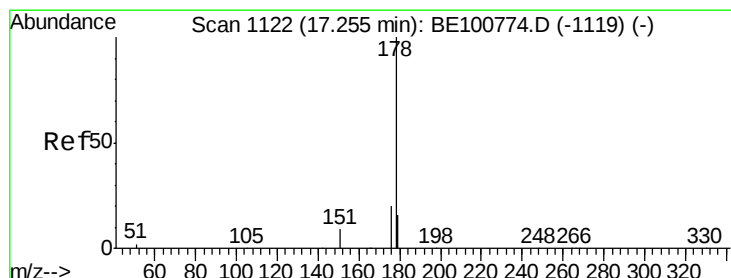
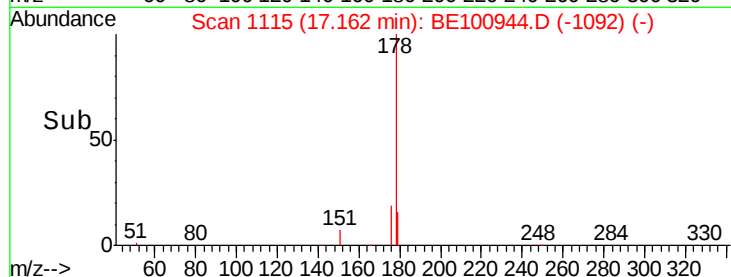
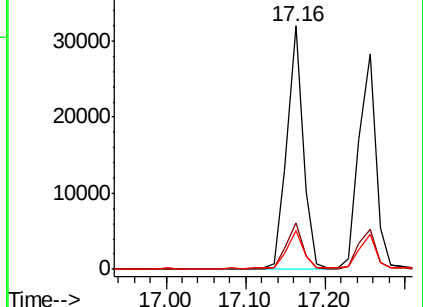
179 15.5 11.9 17.9



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: 0.448 ng

RT: 17.26 min Scan# 1122

Delta R.T. 0.00 min

Lab File: BE100944.D

Acq: 17 Dec 2019 8:51

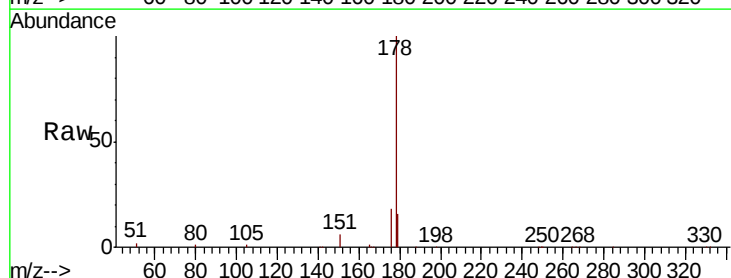
Tgt Ion:178 Resp: 41893

Ion Ratio Lower Upper

178 100

176 18.5 14.7 22.1

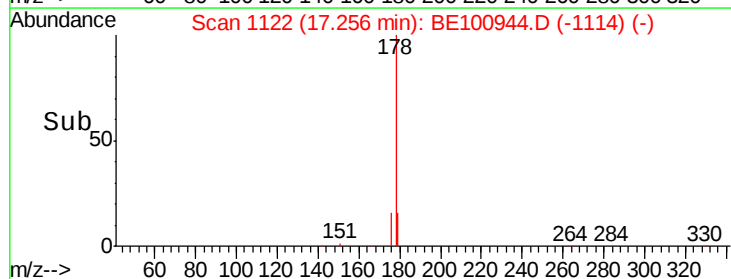
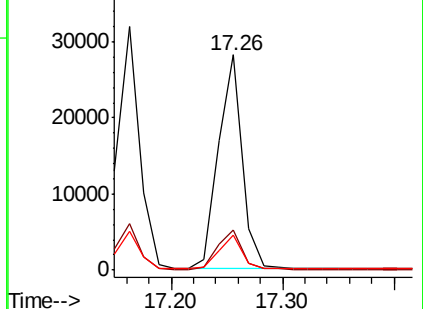
179 15.6 12.2 18.4

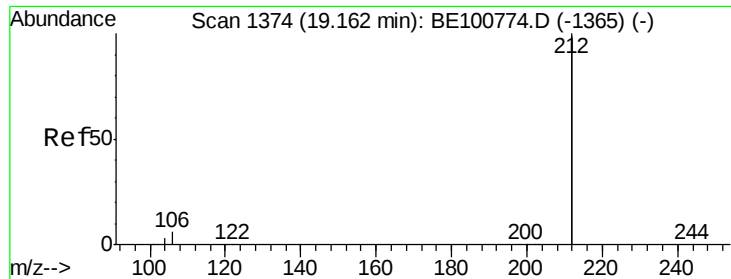


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#25

Fluoranthene-d10

Concen: 0.405 ng

RT: 19.16 min Scan# 1373

Delta R.T. 0.01 min

Lab File: BE100944.D

Acq: 17 Dec 2019 8:51

Instrument :

BNA_E

ClientSampleId :

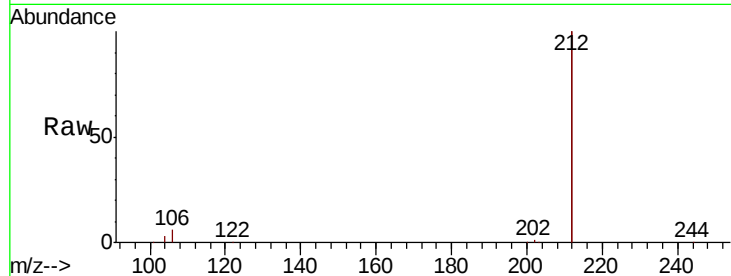
Tot Ion:212 Resp: 176413

Ion Ratio Lower Upper

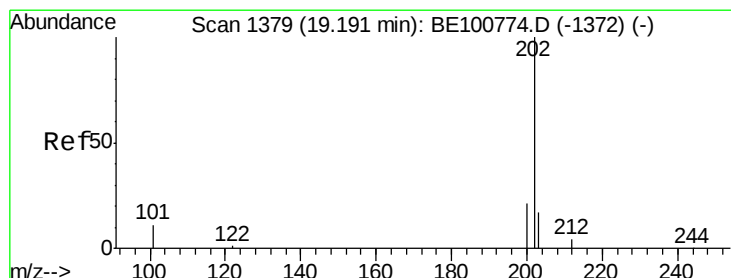
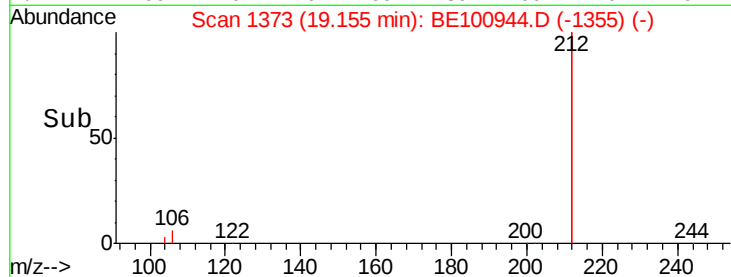
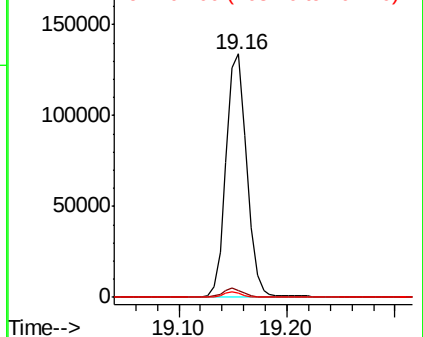
212 100

106 3.5 2.6 4.0

104 2.0 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: 0.395 ng

RT: 19.18 min Scan# 1378

Delta R.T. -0.00 min

Lab File: BE100944.D

Acq: 17 Dec 2019 8:51

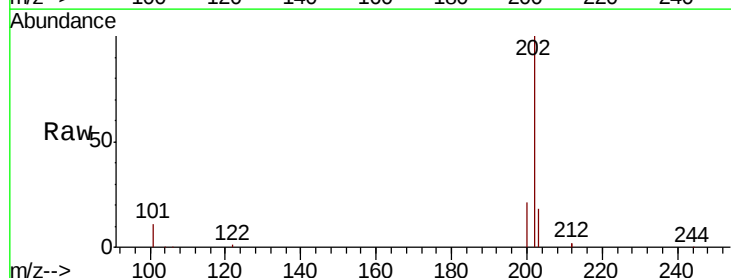
Tgt Ion:202 Resp: 52613

Ion Ratio Lower Upper

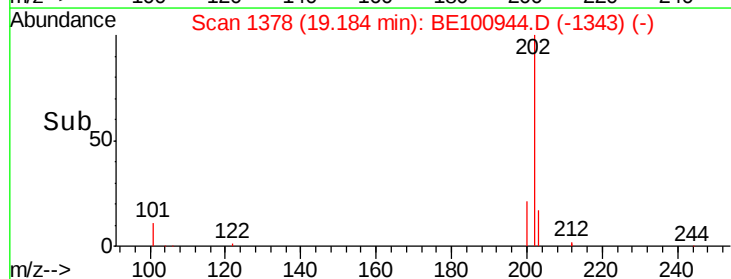
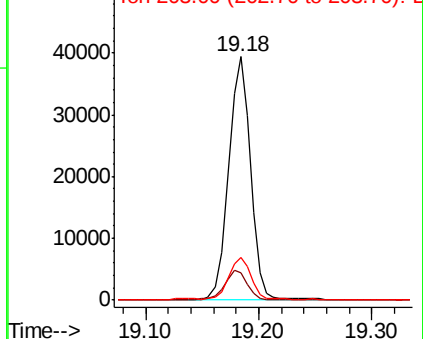
202 100

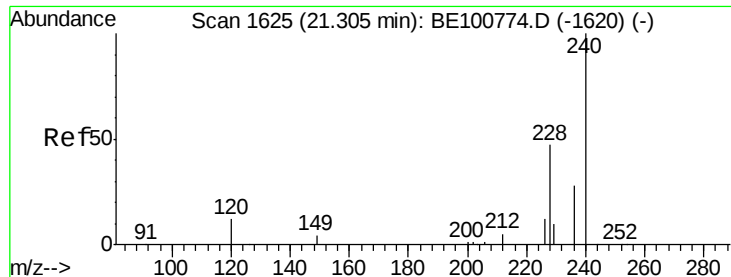
101 12.3 9.4 14.0

203 17.3 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: BE100944.D

Acq: 17 Dec 2019 8:51

Instrument :

BNA_E

ClientSampleId :

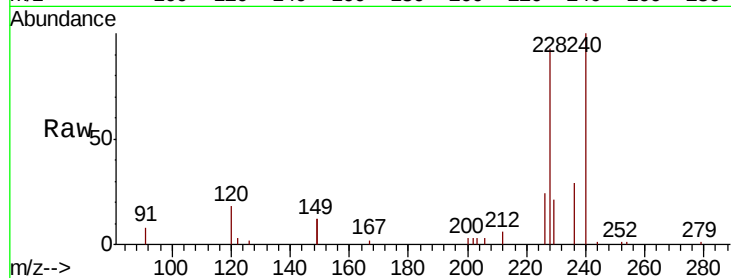
Tot Ion:240 Resp: 34546

Ion Ratio Lower Upper

240 100

120 18.3 4.0 6.0#

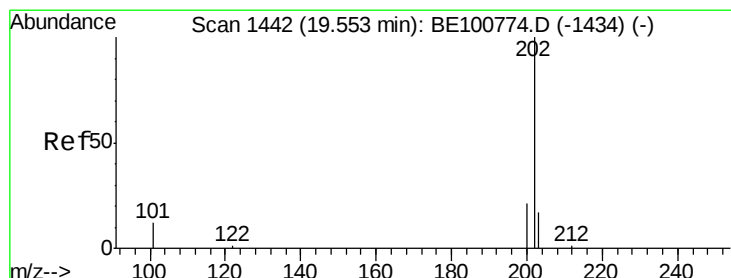
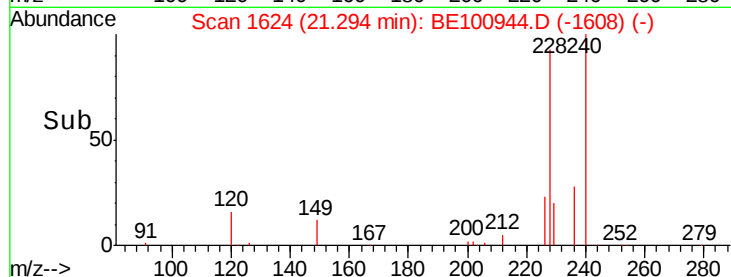
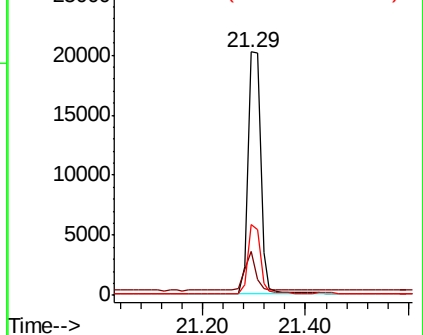
236 29.0 21.6 32.4



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: 0.488 ng

RT: 19.55 min Scan# 1441

Delta R.T. -0.00 min

Lab File: BE100944.D

Acq: 17 Dec 2019 8:51

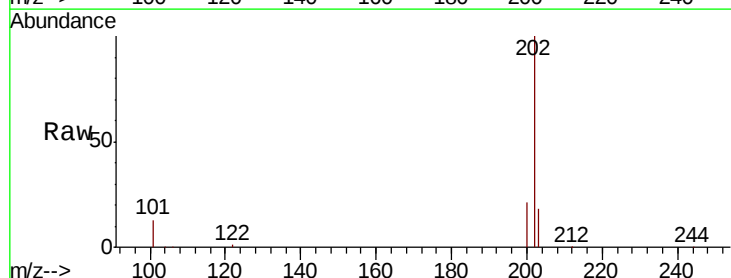
Tgt Ion:202 Resp: 54791

Ion Ratio Lower Upper

202 100

200 21.1 17.0 25.4

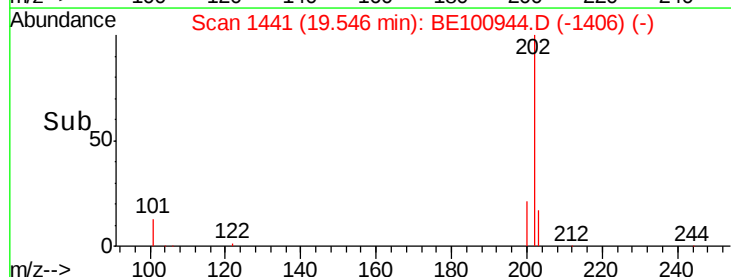
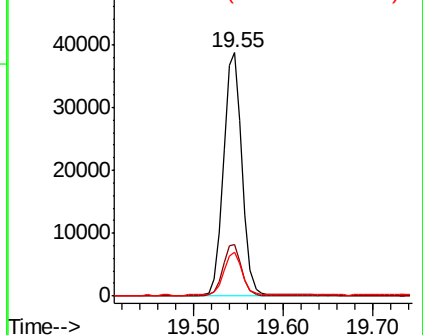
203 17.7 13.8 20.8

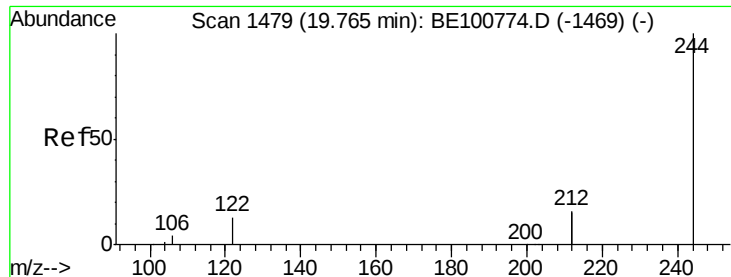


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E

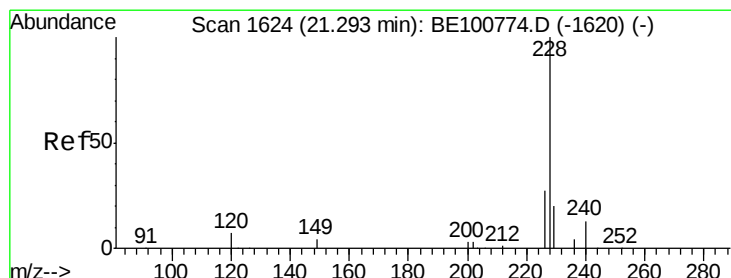
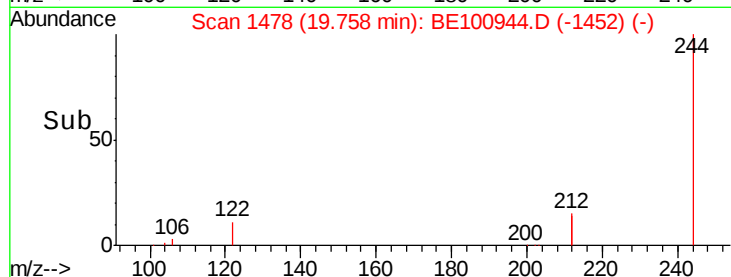
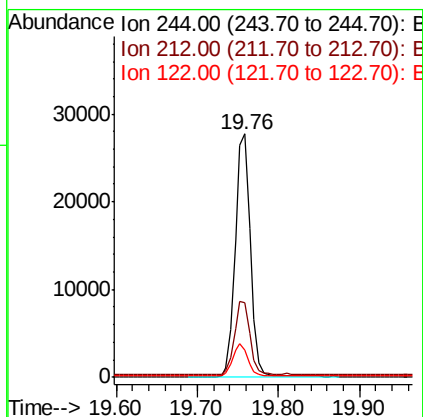
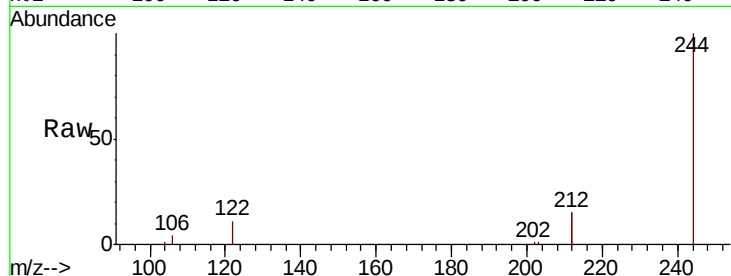




#29
 Terphenyl-d14
 Concen: 0.429 ng
 RT: 19.76 min Scan# 1478
 Delta R.T. -0.00 min
 Lab File: BE100944.D
 Acq: 17 Dec 2019 8:51

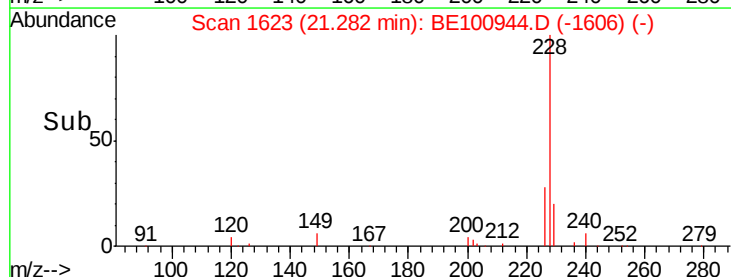
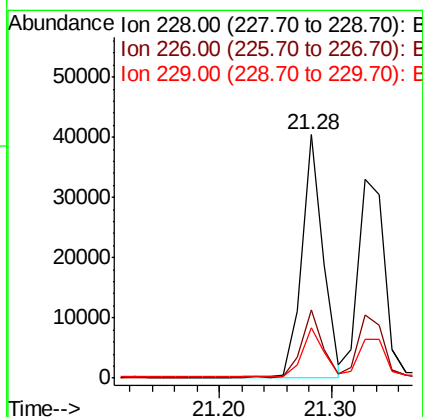
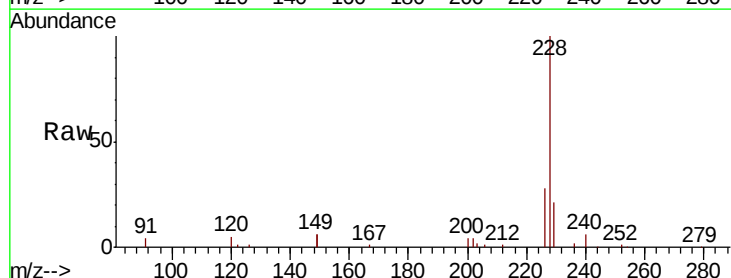
Instrument :
 BNA_E
 ClientSampleId :

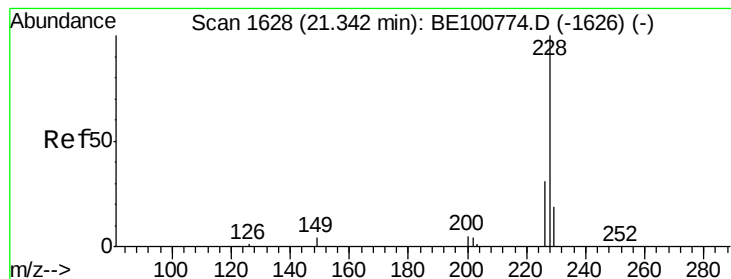
Tot Ion:244 Resp: 35523
 Ion Ratio Lower Upper
 244 100
 212 30.7 25.2 37.8
 122 11.3 8.9 13.3



#30
 Benzo(a)anthracene
 Concen: 0.516 ng
 RT: 21.28 min Scan# 1623
 Delta R.T. 0.00 min
 Lab File: BE100944.D
 Acq: 17 Dec 2019 8:51

Tgt Ion:228 Resp: 52541
 Ion Ratio Lower Upper
 228 100
 226 28.1 21.4 32.0
 229 20.5 15.8 23.6





#31

Chrysene

Concen: 0.443 ng

RT: 21.33 min Scan# 1627

Delta R.T. 0.00 min

Lab File: BE100944.D

Acq: 17 Dec 2019 8:51

Instrument :

BNA_E

ClientSampled :

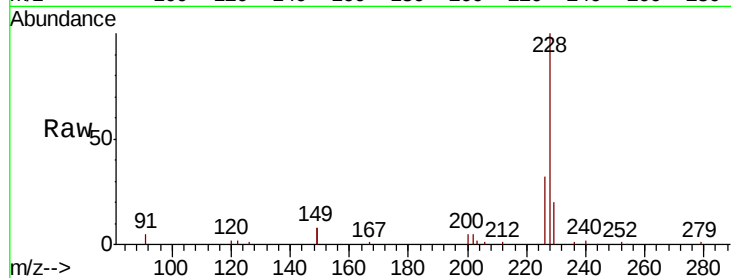
Tot Ion:228 Resp: 52982

Ion Ratio Lower Upper

228 100

226 32.0 25.3 37.9

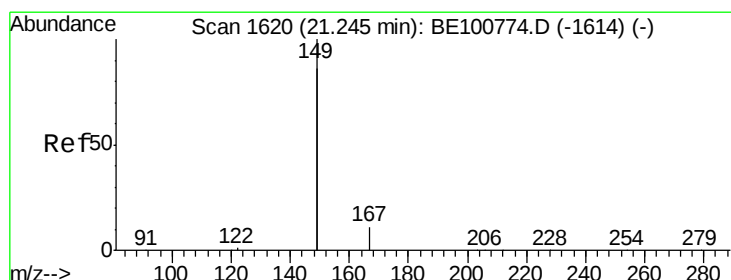
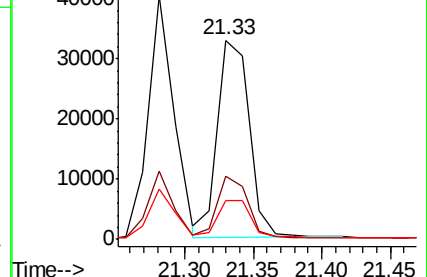
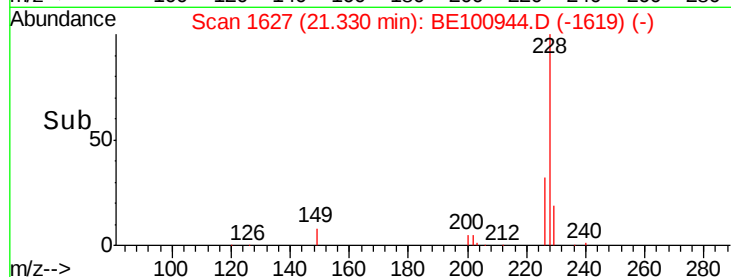
229 19.6 15.2 22.8



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: 1.574 ng

RT: 21.23 min Scan# 1619

Delta R.T. 0.00 min

Lab File: BE100944.D

Acq: 17 Dec 2019 8:51

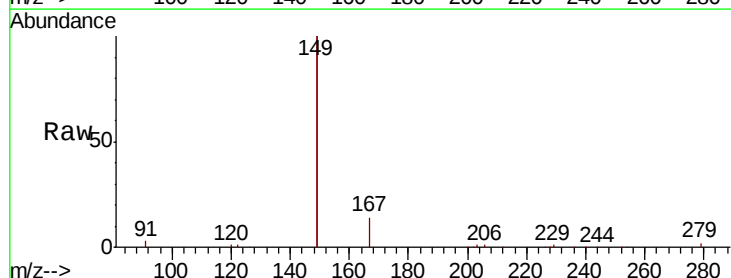
Tgt Ion:149 Resp: 141485

Ion Ratio Lower Upper

149 100

167 6.6 5.0 7.4

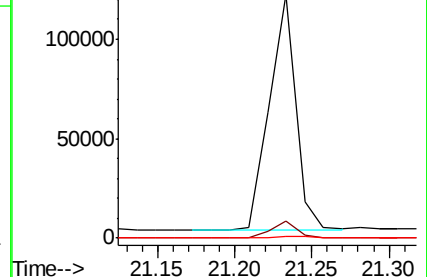
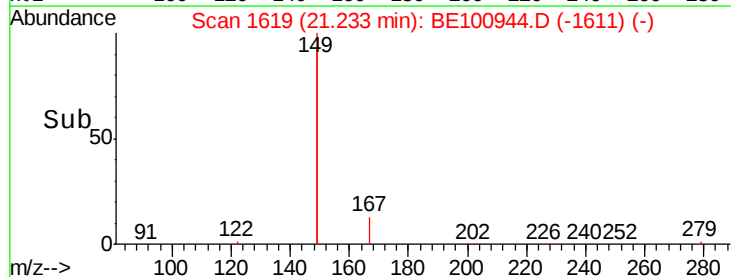
279 0.8 0.6 1.0

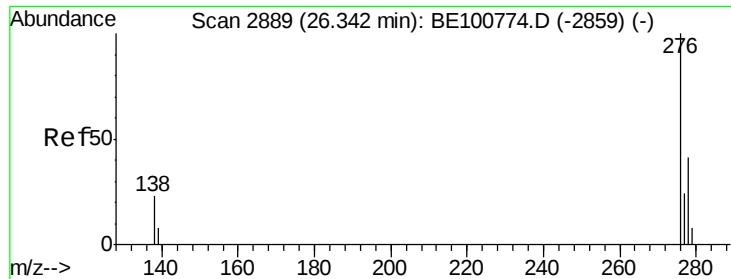


Abundance Ion 149.00 (148.70 to 149.70): E

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: 0.543 ng

RT: 26.32 min Scan# 2882

Delta R.T. 0.00 min

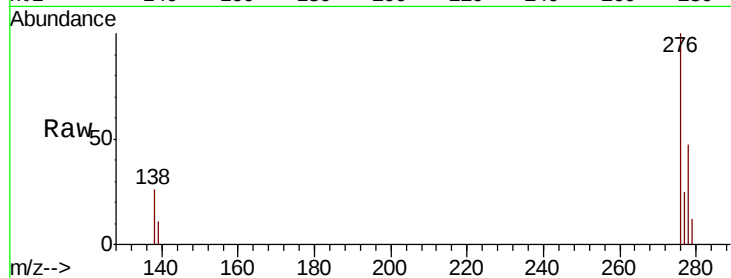
Lab File: BE100944.D

Acq: 17 Dec 2019 8:51

Instrument :

BNA_E

ClientSampleId :



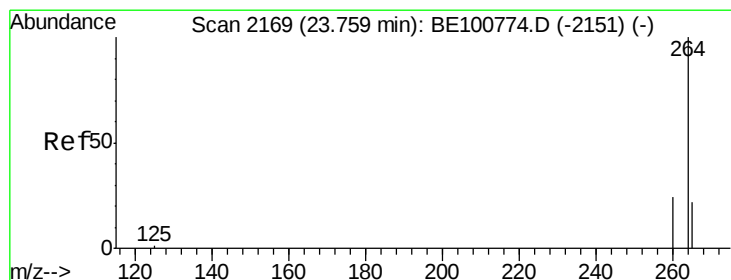
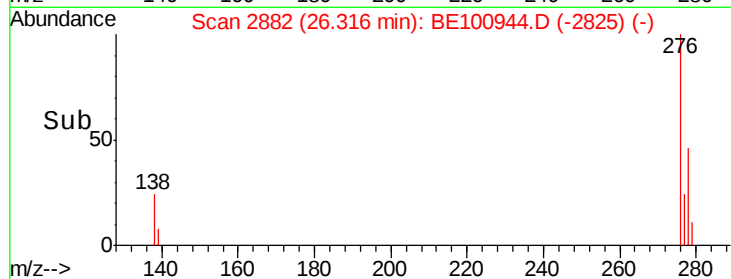
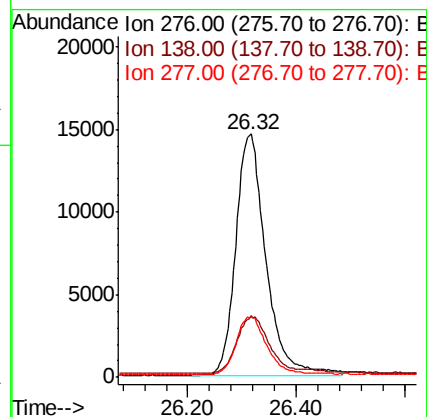
Tot Ion:276 Resp: 56622

Ion Ratio Lower Upper

276 100

138 25.4 18.4 27.6

277 24.4 19.4 29.2



#34

Perylene-d12

Concen: 0.400 ng

RT: 23.75 min Scan# 2165

Delta R.T. 0.00 min

Lab File: BE100944.D

Acq: 17 Dec 2019 8:51

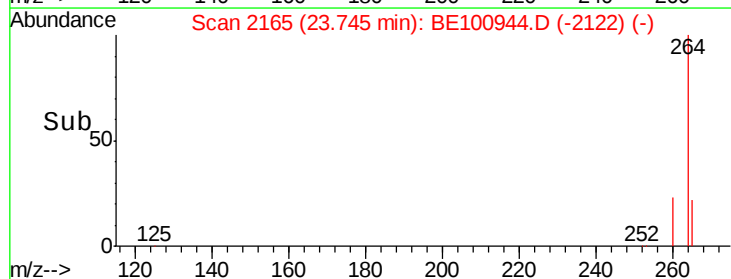
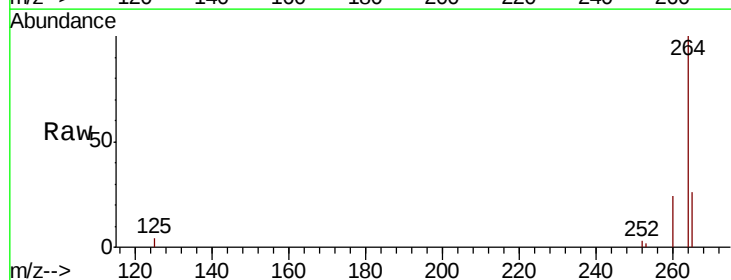
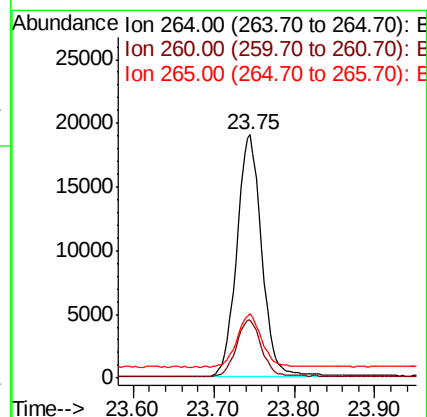
Tgt Ion:264 Resp: 40665

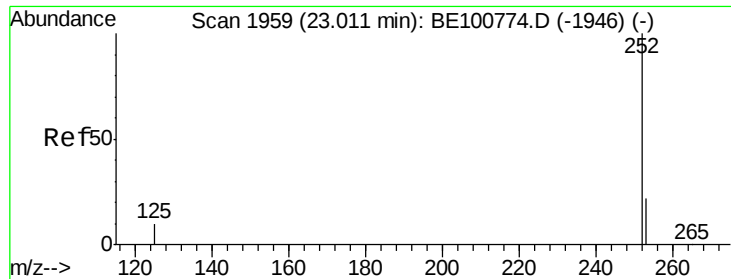
Ion Ratio Lower Upper

264 100

260 23.8 19.4 29.0

265 26.3 20.1 30.1





#35

Benzo(b)fluoranthene

Concen: 0.457 ng

RT: 22.99 min Scan# 1954

Delta R.T. -0.00 min

Lab File: BE100944.D

Acq: 17 Dec 2019 8:51

Instrument :

BNA_E

ClientSampleId :

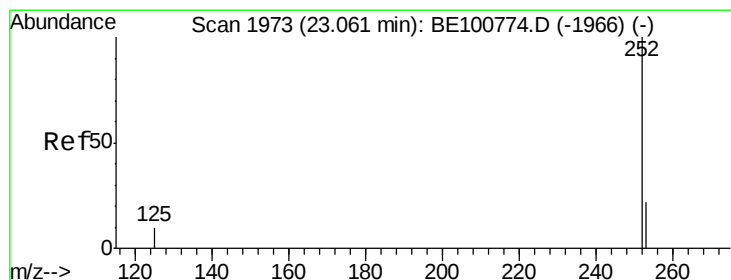
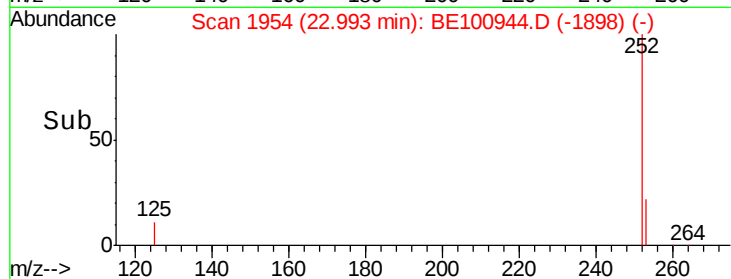
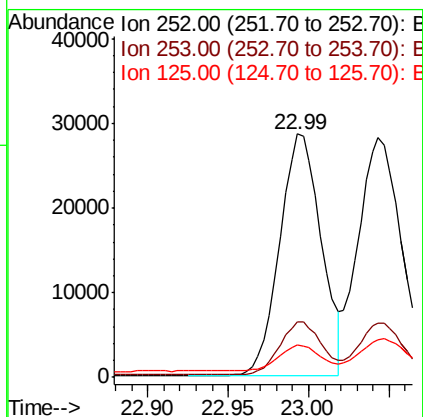
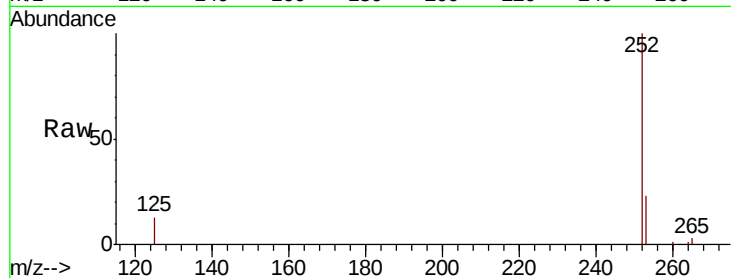
Tot Ion:252 Resp: 50914

Ion Ratio Lower Upper

252 100

253 22.8 17.8 26.6

125 13.3 8.3 12.5#



#36

Benzo(k)fluoranthene

Concen: 0.408 ng

RT: 22.99 min Scan# 1954

Delta R.T. -0.05 min

Lab File: BE100944.D

Acq: 17 Dec 2019 8:51

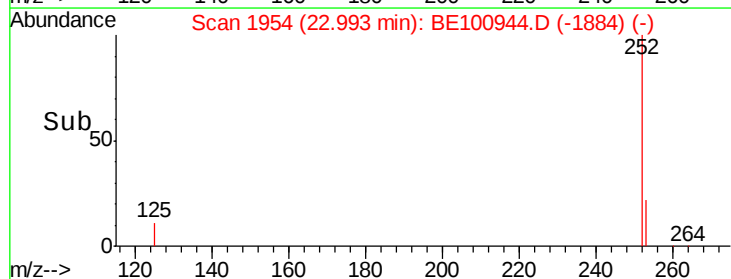
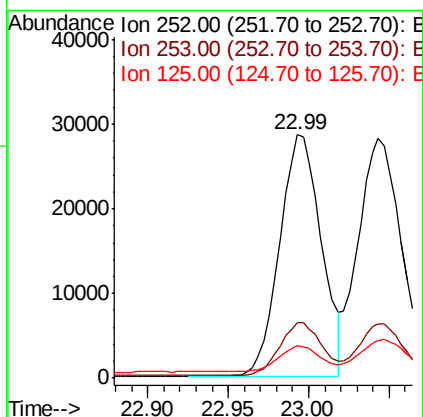
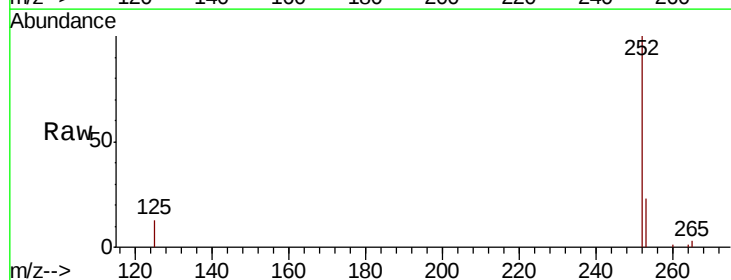
Tgt Ion:252 Resp: 50914

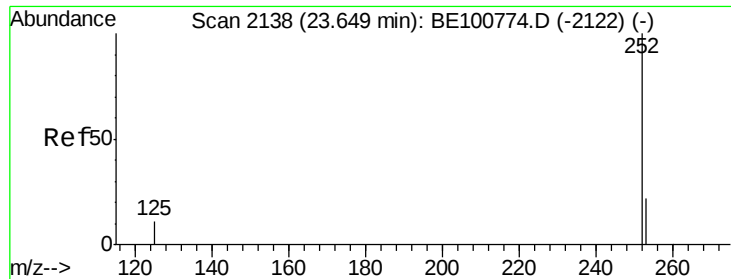
Ion Ratio Lower Upper

252 100

253 22.8 17.8 26.6

125 13.3 9.4 14.0





#37

Benzo(a)pyrene

Concen: 0.508 ng

RT: 23.63 min Scan# 2133

Delta R.T. -0.00 min

Lab File: BE100944.D

Acq: 17 Dec 2019 8:51

Instrument :

BNA_E

ClientSampleId :

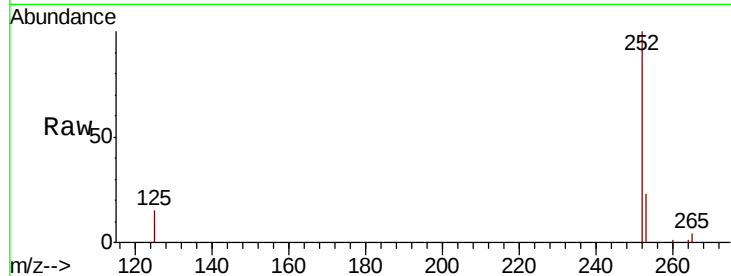
Tot Ion:252 Resp: 48946

Ion Ratio Lower Upper

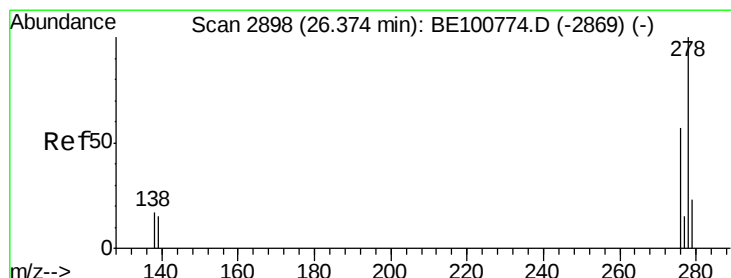
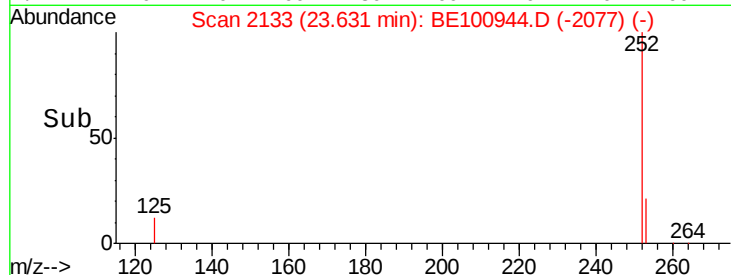
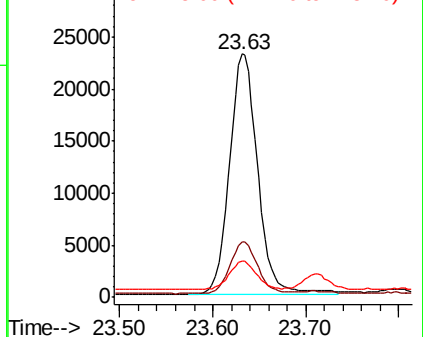
252 100

253 22.7 17.8 26.8

125 15.0 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: 0.473 ng

RT: 26.34 min Scan# 2888

Delta R.T. -0.00 min

Lab File: BE100944.D

Acq: 17 Dec 2019 8:51

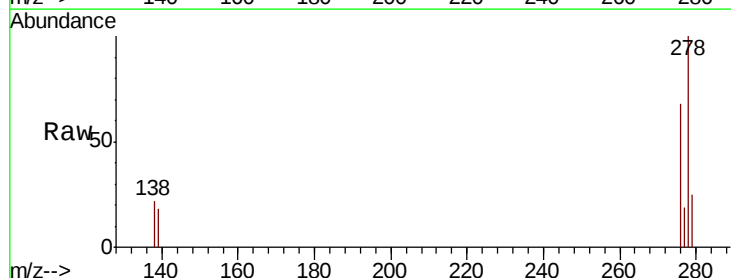
Tgt Ion:278 Resp: 45362

Ion Ratio Lower Upper

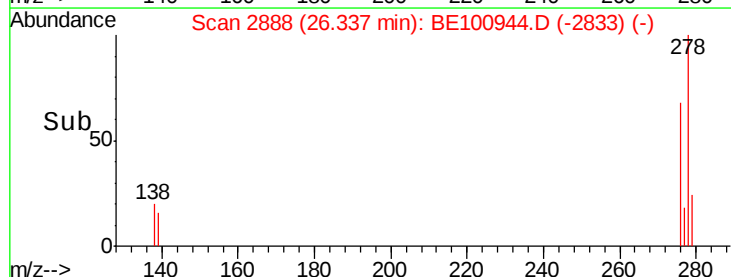
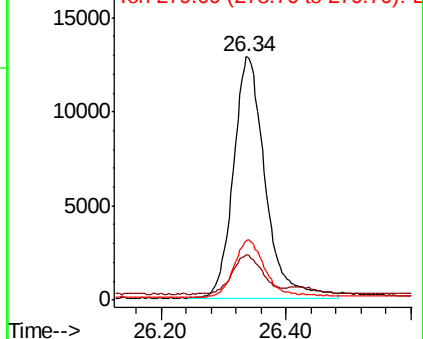
278 100

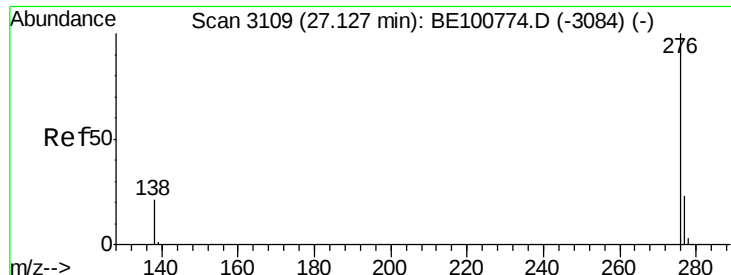
139 18.4 13.8 20.6

279 24.6 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: 0.461 ng

RT: 27.10 min Scan# 3102

Delta R.T. -0.00 min

Lab File: BE100944.D

Acq: 17 Dec 2019 8:51

Instrument :

BNA_E

ClientSampleId :

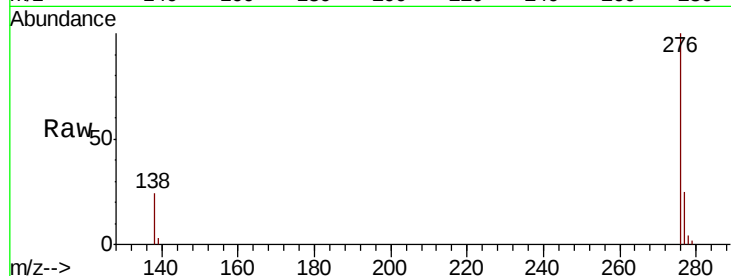
Tot Ion: 276 Resp: 47243

Ion Ratio Lower Upper

276 100

277 24.9 19.7 29.5

138 23.7 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

