

Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE112219\
 Data File : BE100761.D
 Acq On : 22 Nov 2019 16:58
 Operator : JU
 Sample : K5969-07MSD
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 HF-102MSD

Quant Time: Nov 23 05:16:23 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA E\METHODS\8270-SIM-BE112119.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Nov 22 06:40:44 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev (Min)
1) 1,4-Dichlorobenzene-d4	7.77	152	5735	0.40	ng	0.00
7) Naphthalene-d8	10.55	136	23881	0.40	ng	0.00
13) Acenaphthene-d10	14.40	164	13116	0.40	ng	0.00
19) Phenanthrene-d10	17.13	188	29897	0.40	ng	0.00
27) Chrysene-d12	21.32	240	37008	0.40	ng	0.00
34) Perylene-d12	23.77	264	42506	0.40	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev (Min)
4) 2-Fluorophenol	5.38	112	2629	0.17	ng	0.00
5) Phenol-d6	6.93	99	3248	0.14	ng	0.00
8) Nitrobenzene-d5	8.90	82	5188	0.68	ng	0.00
11) 2-Methylnaphthalene-d10	12.14	152	21120	0.60	ng	0.00
14) 2,4,6-Tribromophenol	15.88	330	1297	0.70	ng	0.00
15) 2-Fluorobiphenyl	13.03	172	19349	0.38	ng	0.00
25) Fluoranthene-d10	19.17	212	162273	0.44	ng	0.00
29) Terphenyl-d14	19.77	244	39241	0.46	ng	0.00

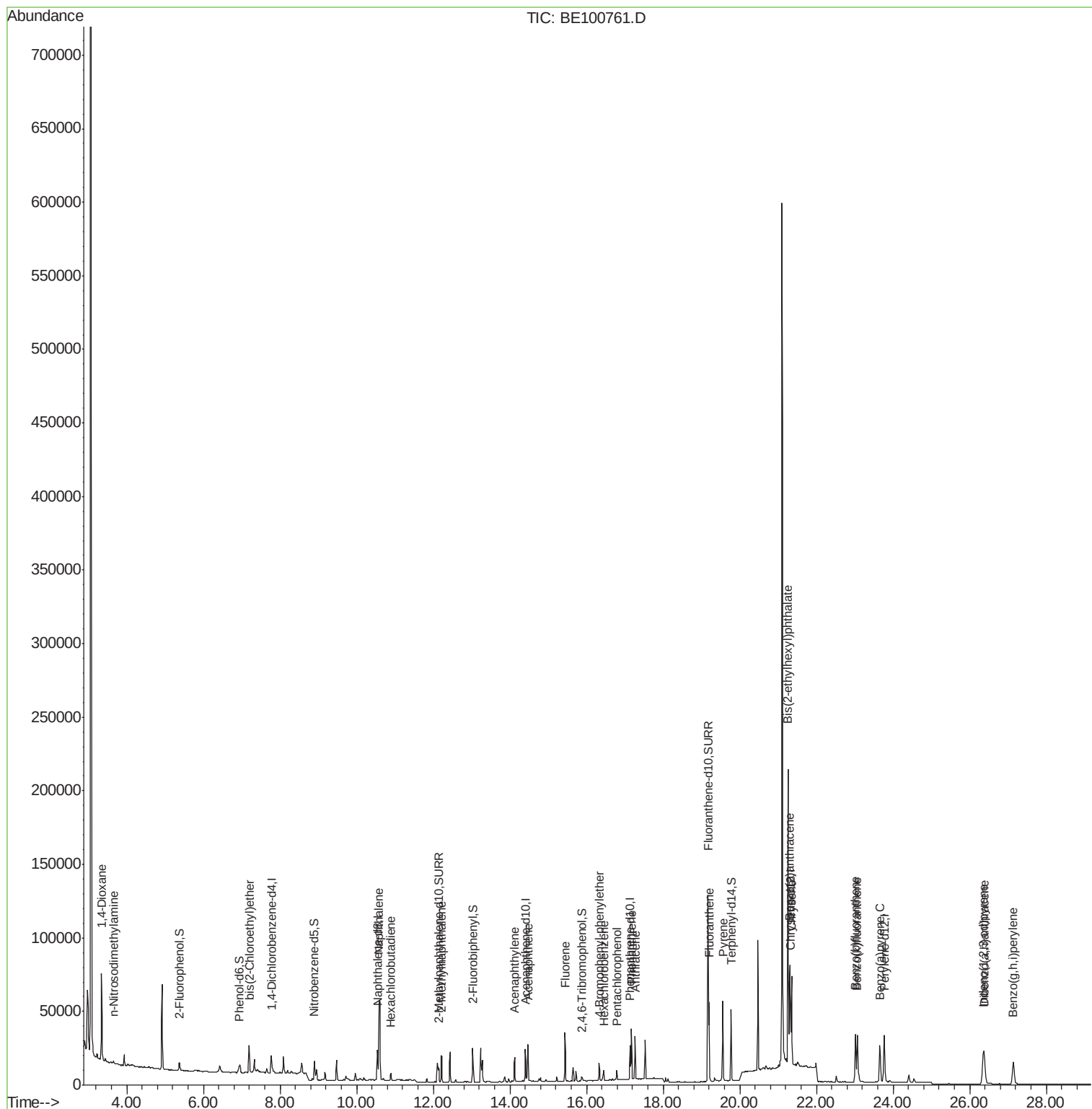
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) 1,4-Dioxane	3.34	88	34129	3.173	ng	97
3) n-Nitrosodimethylamine	3.65	42	1517	0.324	ng	# 84
6) bis(2-Chloroethyl)ether	7.20	93	7479	0.398	ng	95
9) Naphthalene	10.59	128	97708	0.385	ng	100
10) Hexachlorobutadiene	10.90	225	3316	0.341	ng	99
12) 2-Methylnaphthalene	12.22	142	14576	0.364	ng	99
16) Acenaphthylene	14.13	152	20835	0.369	ng	100
17) Acenaphthene	14.47	154	14463	0.382	ng	99
18) Fluorene	15.43	166	17741	0.367	ng	99
20) 4-Bromophenyl-phenylether	16.33	248	5233	0.356	ng	97
21) Hexachlorobenzene	16.45	284	4812	0.313	ng	99
22) Pentachlorophenol	16.79	266	3005	1.181	ng	96
23) Phenanthrene	17.17	178	33994	0.378	ng	100
24) Anthracene	17.27	178	30490	0.393	ng	100
26) Fluoranthene	19.20	202	45644	0.414	ng	99
28) Pyrene	19.56	202	49253	0.430	ng	98
30) Benzo(a)anthracene	21.30	228	48976	0.392	ng	99
31) Chrysene	21.35	228	48848	0.385	ng	99
32) Bis(2-ethylhexyl)phthalate	21.26	149	213848	1.245	ng	98
33) Indeno(1,2,3-cd)pyrene	26.35	276	41758	0.360	ng	100
35) Benzo(b)fluoranthene	23.02	252	44263	0.332	ng	98
36) Benzo(k)fluoranthene	23.07	252	46946	0.338	ng	99
37) Benzo(a)pyrene	23.66	252	41396	0.352	ng	99
38) Dibenzo(a,h)anthracene	26.38	278	33637	0.272	ng	98
39) Benzo(g,h,i)perylene	27.14	276	36930	0.319	ng	99

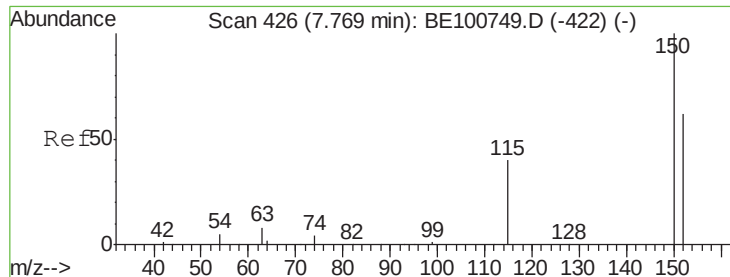
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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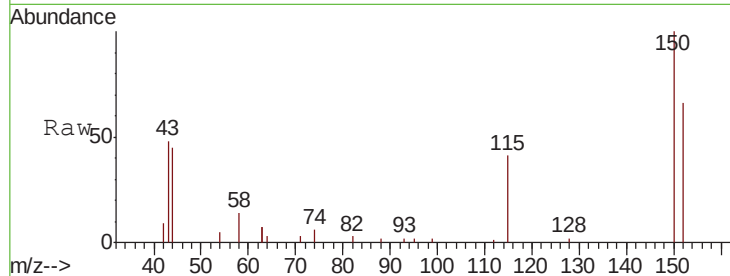




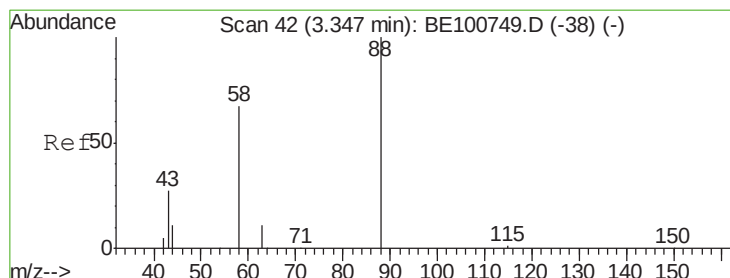
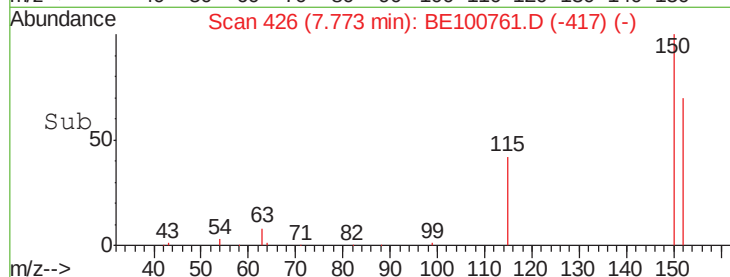
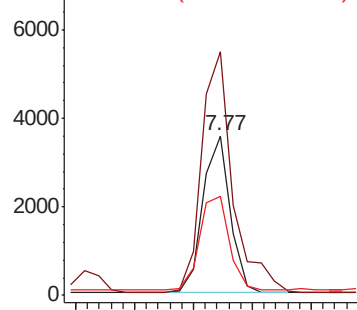
#1
 1,4-Dichlorobenzene-d4
 Concen: 0.400 ng
 RT: 7.77 min Scan# 426
 Delta R.T. 0.00 min
 Lab File: BE100761.D
 Acq: 22 Nov 2019 16:58

Instrument :
 BNA_E
 ClientSampleId :
 HF-102SMSD

Tot Ion:152 Resp: 5735
 Ion Ratio Lower Upper
 152 100
 150 152.5 127.1 190.7
 115 62.4 53.0 79.4

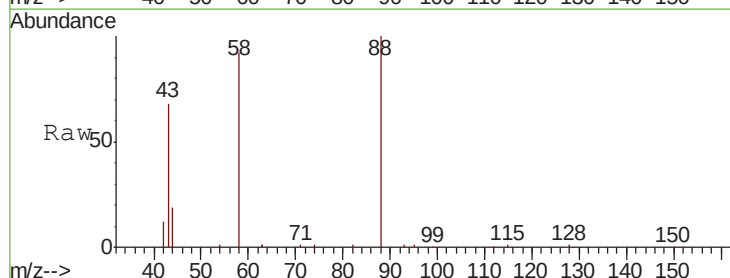


Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E

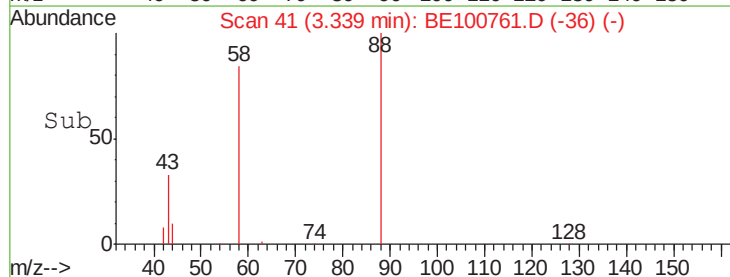
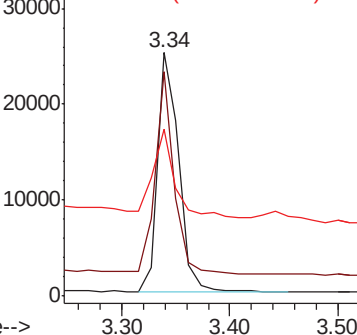


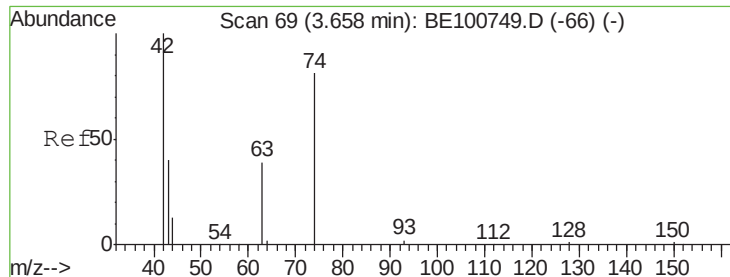
#2
 1,4-Dioxane
 Concen: 3.173 ng
 RT: 3.34 min Scan# 41
 Delta R.T. -0.01 min
 Lab File: BE100761.D
 Acq: 22 Nov 2019 16:58

Tgt Ion: 88 Resp: 34129
 Ion Ratio Lower Upper
 88 100
 58 74.8 60.7 91.1
 43 37.8 27.4 41.2



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



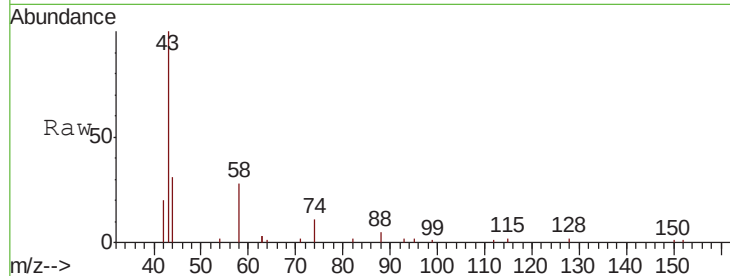


#3

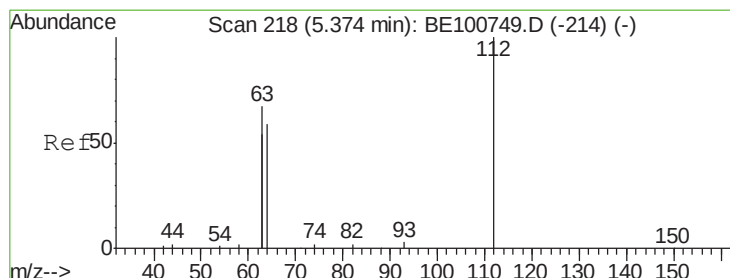
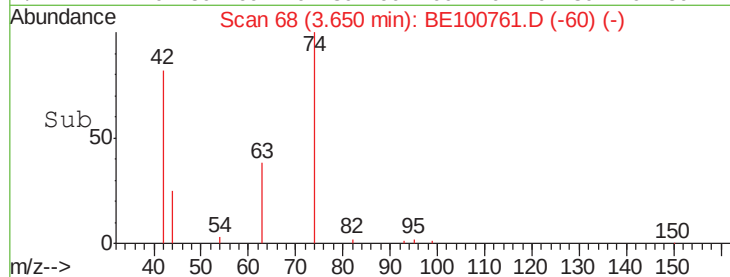
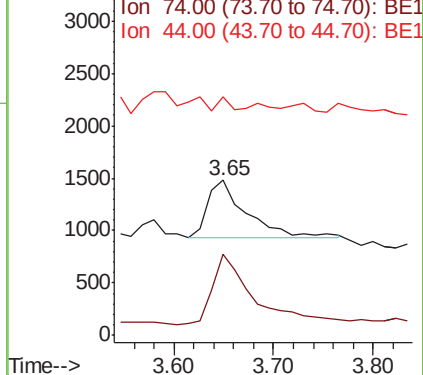
n-Nitrosodimethylamine
 Concen: 0.324 ng
 RT: 3.65 min Scan# 68
 Delta R.T. -0.01 min
 Lab File: BE100761.D
 Acq: 22 Nov 2019 16:58

Instrument :
 BNA_E
 ClientSampleId :
 HF-102SMSD

Tot Ion: 42 Resp: 1517
 Ion Ratio Lower Upper
 42 100
 74 126.0 0.0 0.0#
 44 0.0 4.2 6.4#



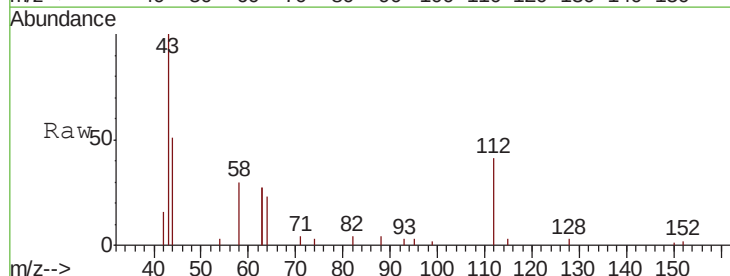
Abundance Ion 42.00 (41.70 to 42.70): BE1
 Ion 74.00 (73.70 to 74.70): BE1
 Ion 44.00 (43.70 to 44.70): BE1



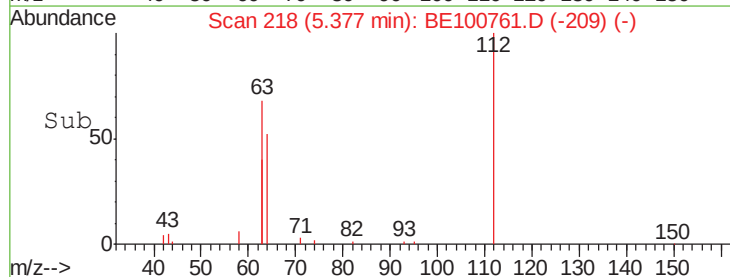
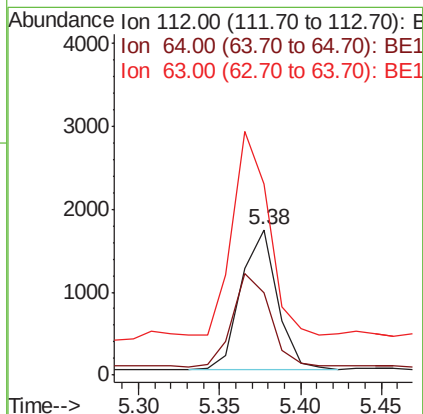
#4

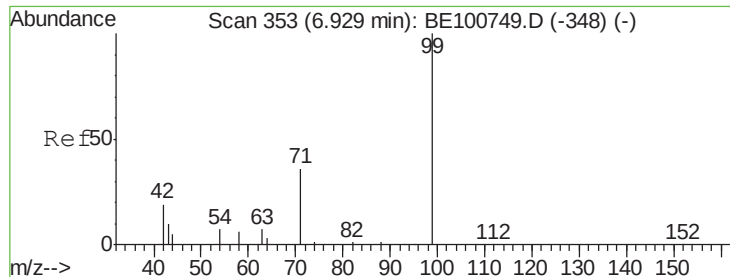
2-Fluorophenol
 Concen: 0.169 ng
 RT: 5.38 min Scan# 218
 Delta R.T. 0.00 min
 Lab File: BE100761.D
 Acq: 22 Nov 2019 16:58

Tgt Ion: 112 Resp: 2629
 Ion Ratio Lower Upper
 112 100
 64 70.0 54.3 81.5
 63 146.3 114.0 171.0



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: 0.144 ng

RT: 6.93 min Scan# 353

Delta R.T. 0.00 min

Lab File: BE100761.D

Acq: 22 Nov 2019 16:58

Instrument :

BNA_E

ClientSampleId :

HF-102SMSD

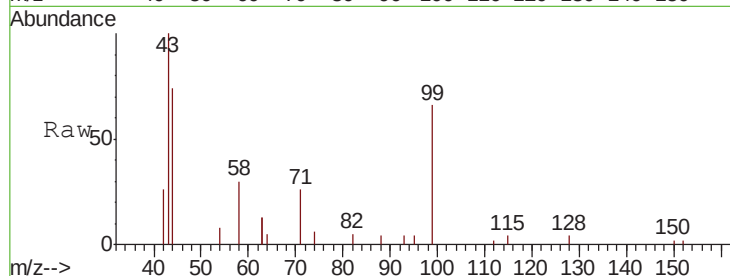
Tot Ion: 99 Resp: 3248

Ion Ratio Lower Upper

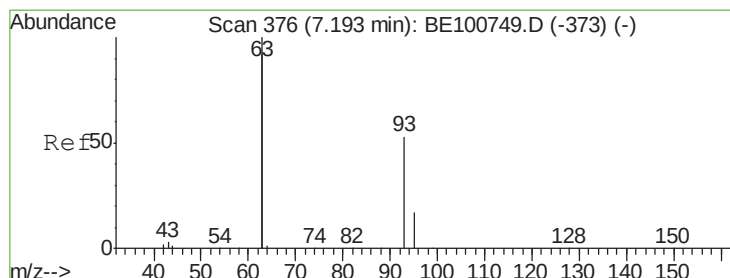
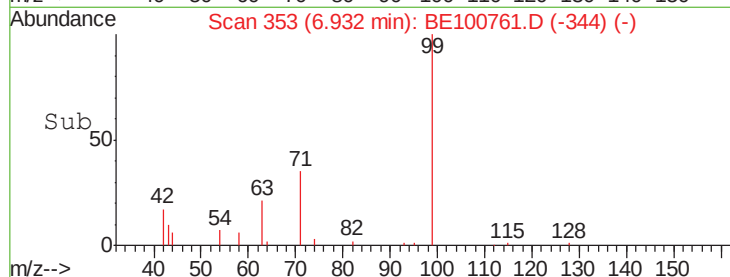
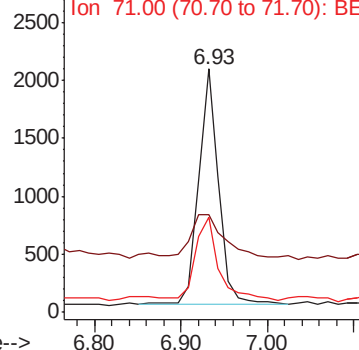
99 100

42 33.7 17.9 26.9#

71 40.9 29.3 43.9



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: 0.398 ng

RT: 7.20 min Scan# 376

Delta R.T. 0.00 min

Lab File: BE100761.D

Acq: 22 Nov 2019 16:58

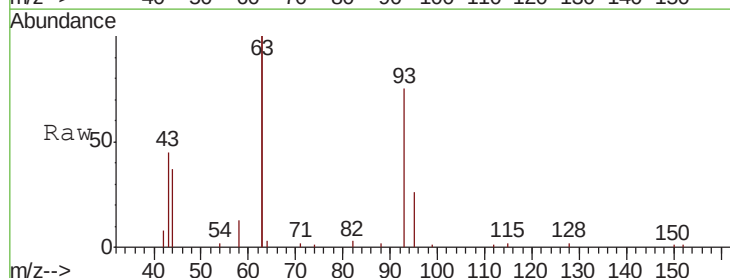
Tgt Ion: 93 Resp: 7479

Ion Ratio Lower Upper

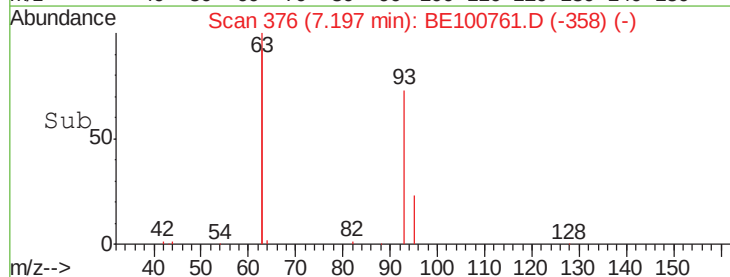
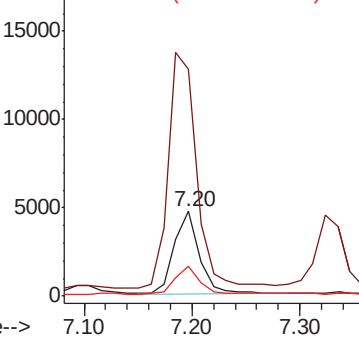
93 100

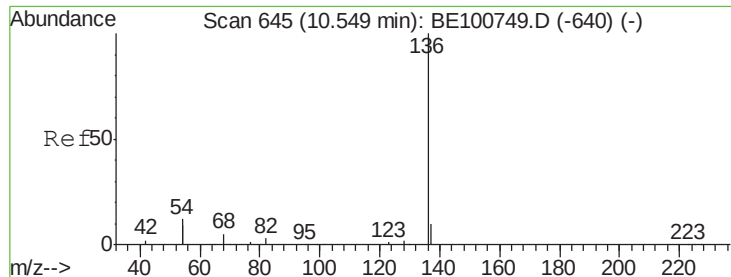
63 322.8 267.0 400.6

95 31.9 26.2 39.4



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: 10.55 min Scan# 645

Delta R.T. -0.00 min

Lab File: BE100761.D

Acq: 22 Nov 2019 16:58

Instrument :

BNA_E

ClientSampleId :

HF-102SMSD

Tot Ion:136 Resp: 23881

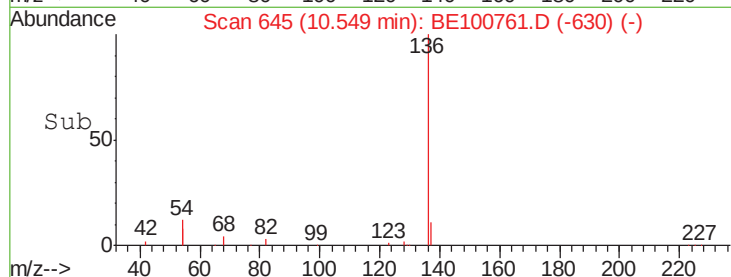
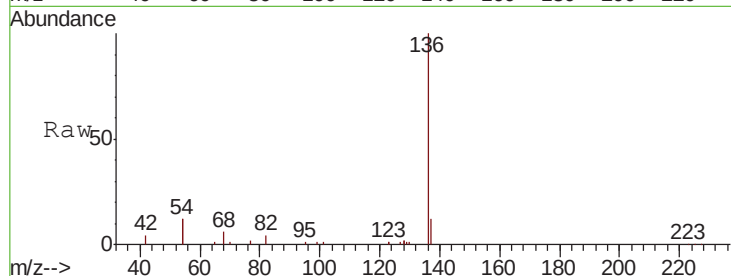
Ion Ratio Lower Upper

136 100

137 11.6 8.6 12.8

54 23.5 19.4 29.0

68 5.6 4.6 6.8

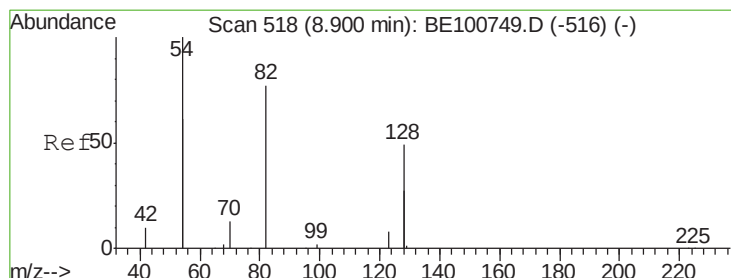
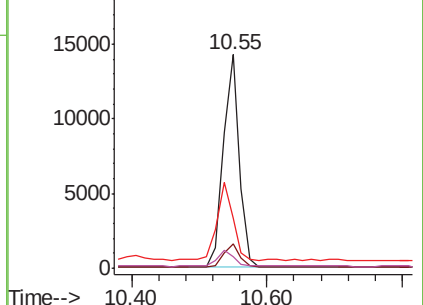


Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BE1

Ion 68.00 (67.70 to 68.70): BE1



#8

Nitrobenzene-d5

Concen: 0.678 ng

RT: 8.90 min Scan# 518

Delta R.T. -0.00 min

Lab File: BE100761.D

Acq: 22 Nov 2019 16:58

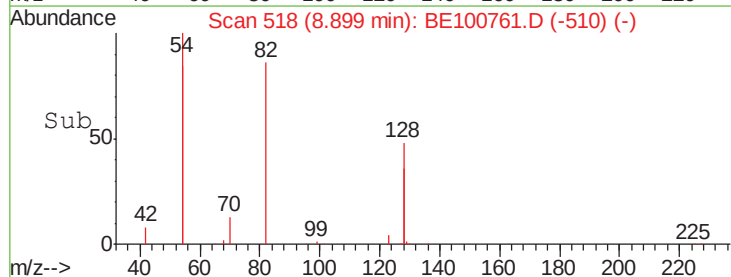
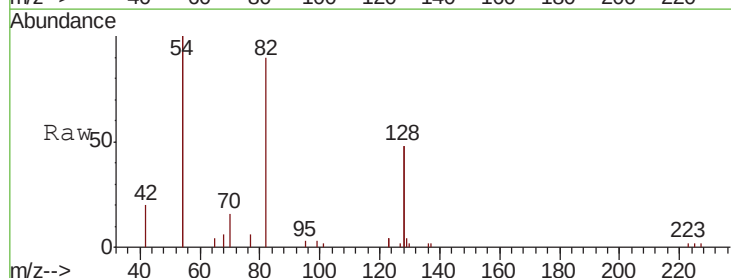
Tgt Ion: 82 Resp: 5188

Ion Ratio Lower Upper

82 100

128 106.6 90.2 135.4

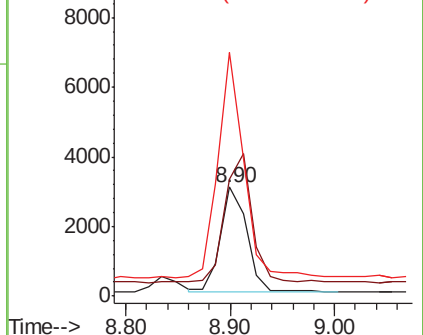
54 223.2 186.0 279.0

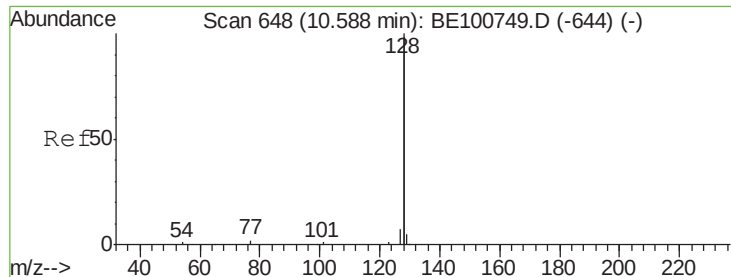


Abundance Ion 82.00 (81.70 to 82.70): BE1

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BE1





#9

Naphthalene

Concen: 0.385 ng

RT: 10.59 min Scan# 648

Delta R.T. -0.00 min

Lab File: BE100761.D

Acq: 22 Nov 2019 16:58

Instrument :

BNA_E

ClientSampleId :

HF-102SMSD

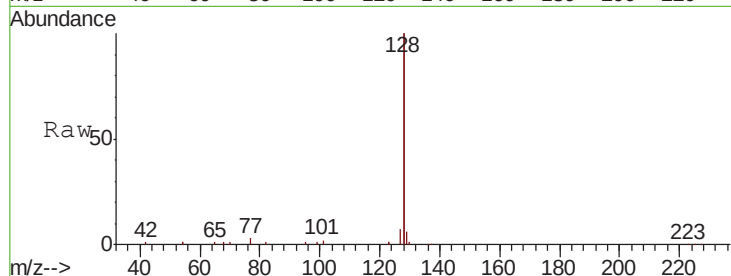
Tot Ion:128 Resp: 97708

Ion Ratio Lower Upper

128 100

129 2.9 2.3 3.5

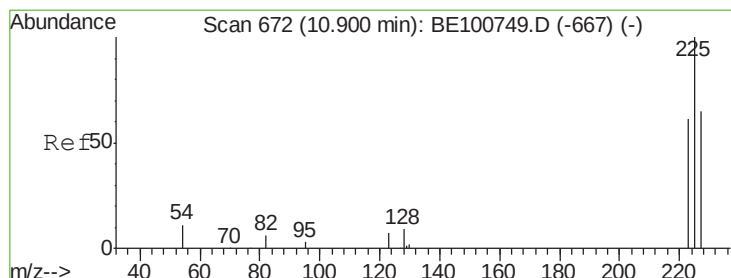
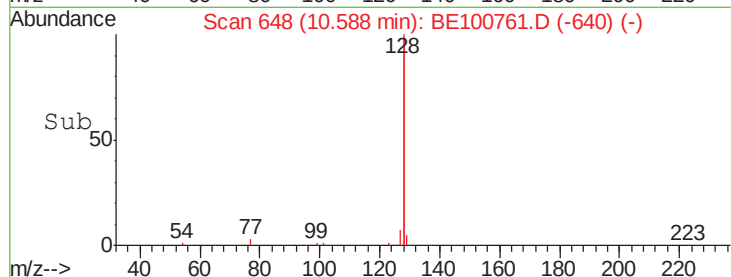
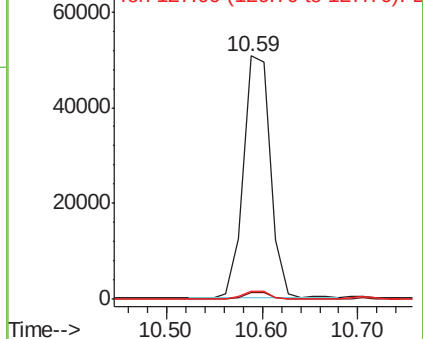
127 3.4 2.7 4.1



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: 0.341 ng

RT: 10.90 min Scan# 672

Delta R.T. -0.00 min

Lab File: BE100761.D

Acq: 22 Nov 2019 16:58

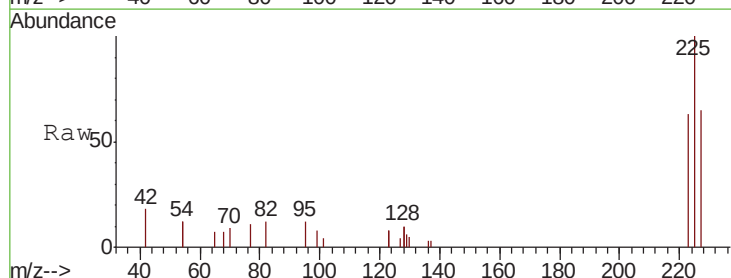
Tgt Ion:225 Resp: 3316

Ion Ratio Lower Upper

225 100

223 63.0 50.6 75.8

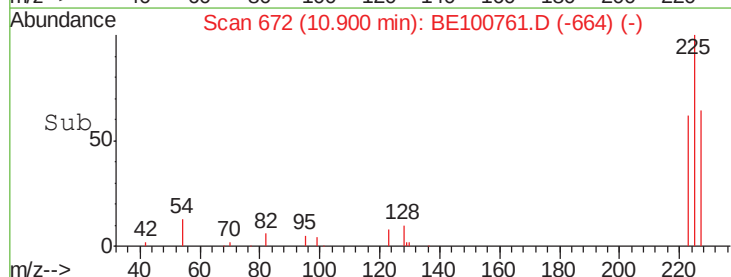
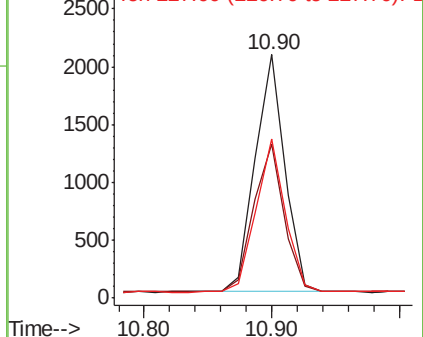
227 64.0 52.0 78.0

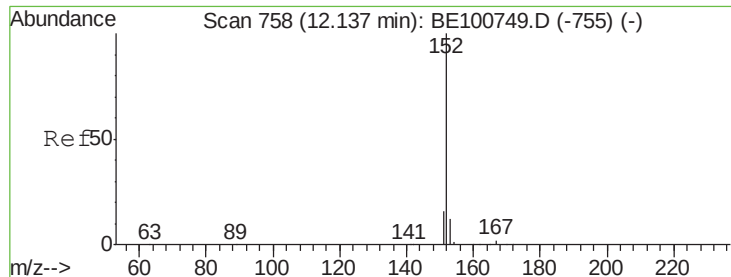


Abundance Ion 225.00 (224.70 to 225.70): E

Ion 223.00 (222.70 to 223.70): E

Ion 227.00 (226.70 to 227.70): E

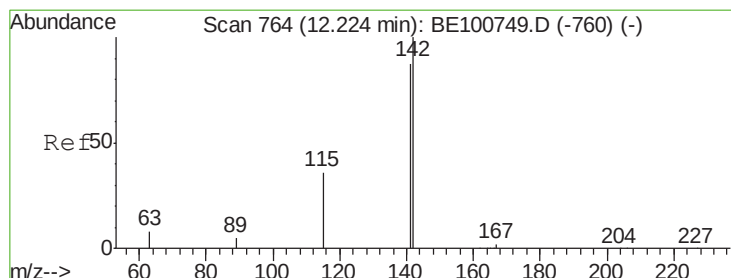
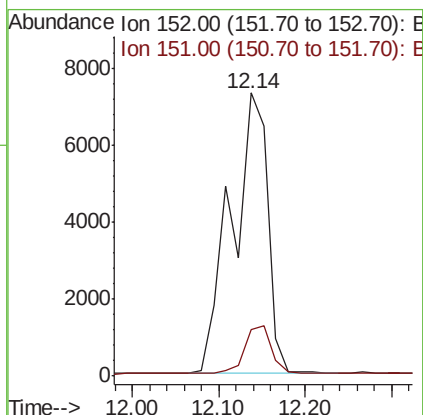
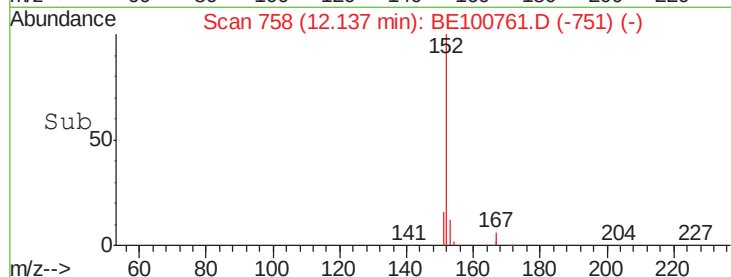
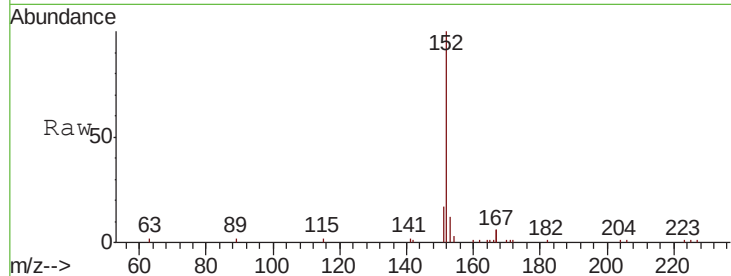




#11
2-Methylnaphthalene-d10
Concen: 0.603 ng
RT: 12.14 min Scan# 758
Delta R.T. -0.00 min
Lab File: BE100761.D
Acq: 22 Nov 2019 16:58

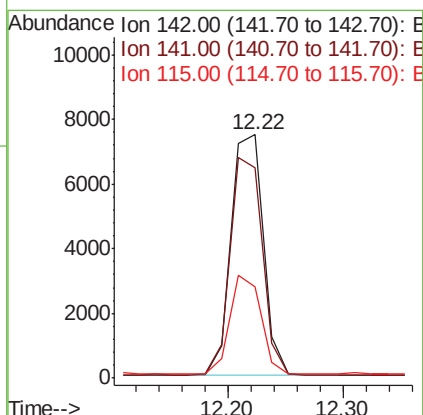
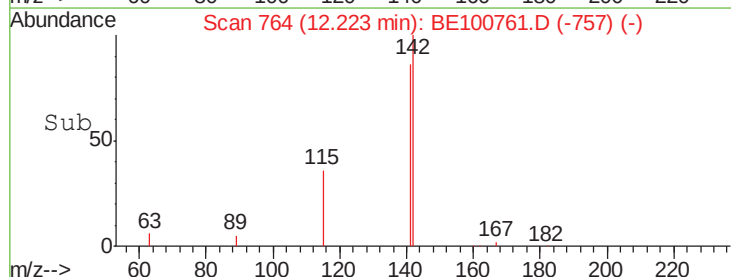
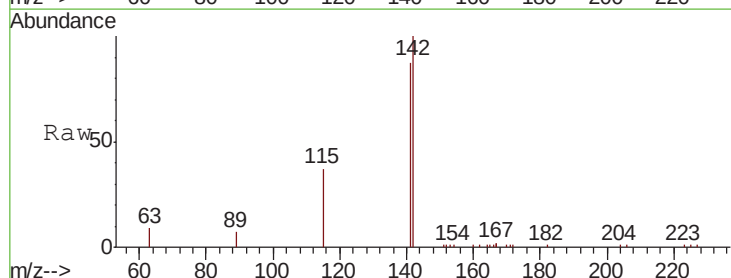
Instrument :
BNA_E
ClientSampleId :
HF-102SMSD

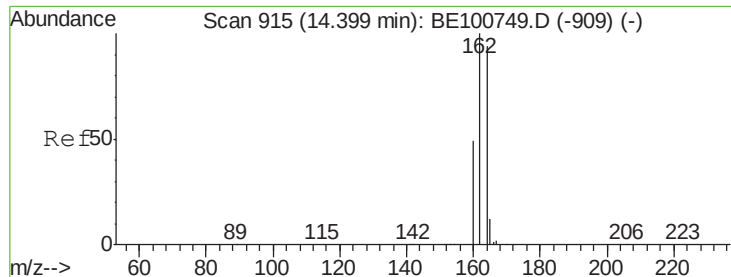
Tot Ion:152 Resp: 21120
Ion Ratio Lower Upper
152 100
151 12.8 15.8 23.8#



#12
2-Methylnaphthalene
Concen: 0.364 ng
RT: 12.22 min Scan# 764
Delta R.T. -0.00 min
Lab File: BE100761.D
Acq: 22 Nov 2019 16:58

Tgt Ion:142 Resp: 14576
Ion Ratio Lower Upper
142 100
141 86.5 69.9 104.9
115 37.4 29.5 44.3





#13

Acenaphthene-d10

Concen: 0.400 ng

RT: 14.40 min Scan# 915

Delta R.T. -0.00 min

Lab File: BE100761.D

Acq: 22 Nov 2019 16:58

Instrument :

BNA_E

ClientSampleId :

HF-102SMSD

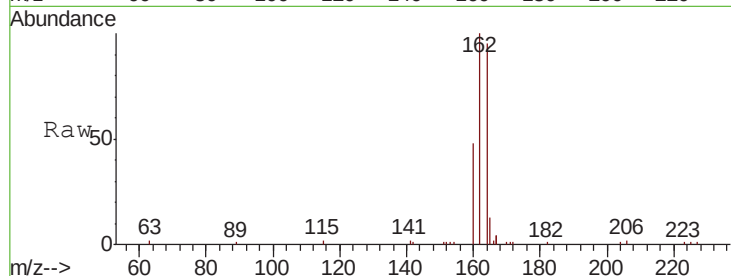
Tot Ion:164 Resp: 13116

Ion Ratio Lower Upper

164 100

162 105.5 84.8 127.2

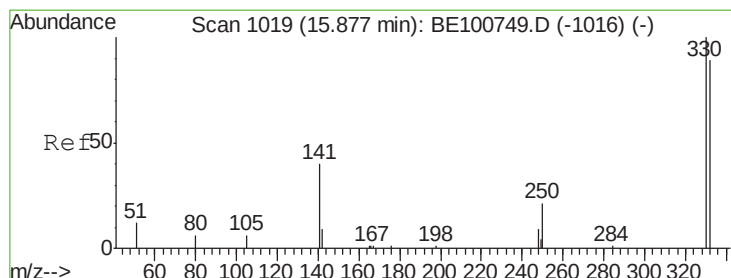
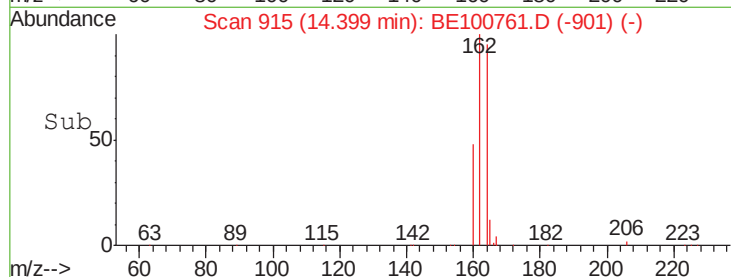
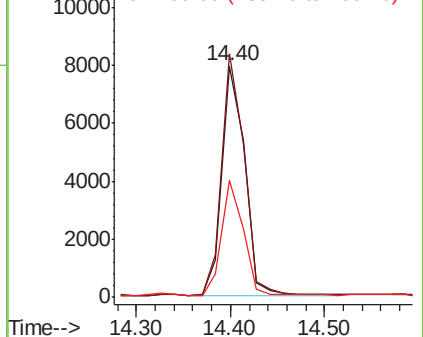
160 50.5 42.3 63.5



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: 0.702 ng

RT: 15.88 min Scan# 1019

Delta R.T. -0.00 min

Lab File: BE100761.D

Acq: 22 Nov 2019 16:58

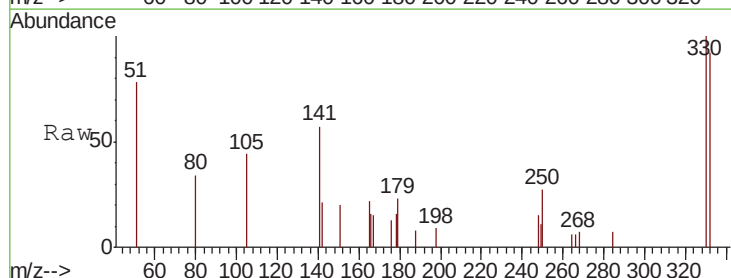
Tgt Ion:330 Resp: 1297

Ion Ratio Lower Upper

330 100

332 95.5 79.3 118.9

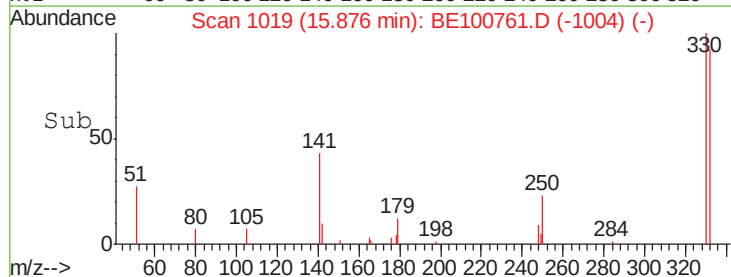
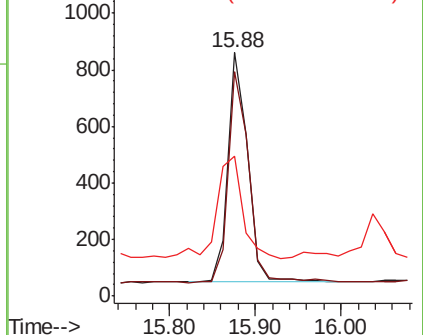
141 59.1 43.8 65.6

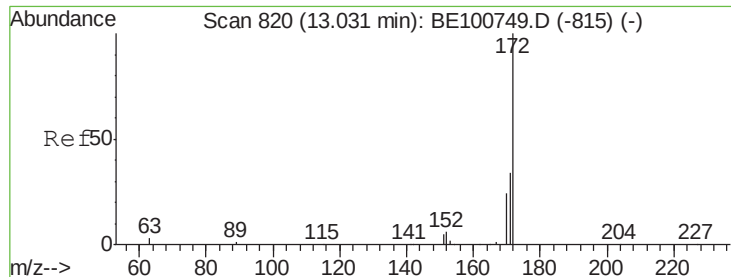


Abundance Ion 330.00 (329.70 to 330.70): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

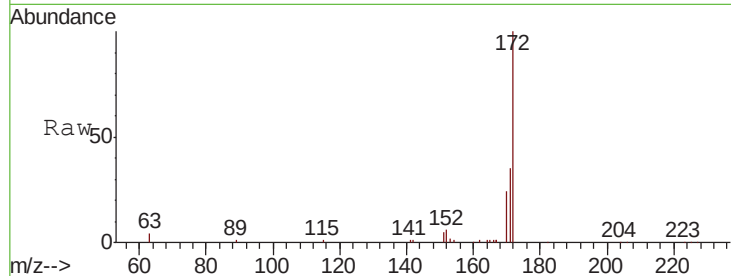




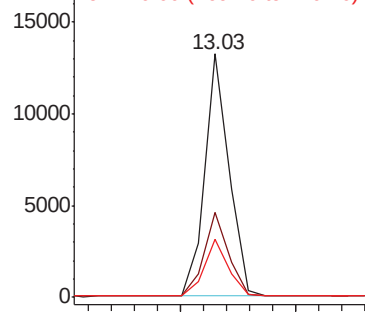
#15
2-Fluorobiphenyl
Concen: 0.380 ng
RT: 13.03 min Scan# 820
Delta R.T. -0.00 min
Lab File: BE100761.D
Acq: 22 Nov 2019 16:58

Instrument :
BNA_E
ClientSampleId :
HF-102SMSD

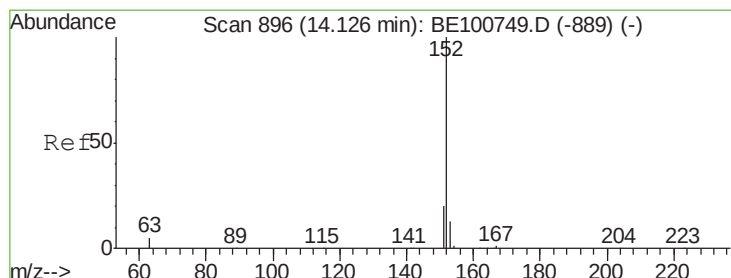
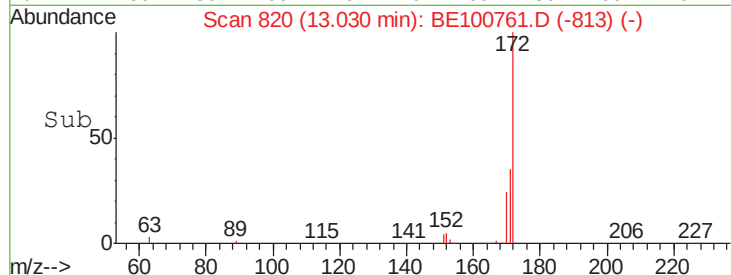
Tot Ion:172 Resp: 19349
Ion Ratio Lower Upper
172 100
171 34.8 27.8 41.6
170 24.0 19.4 29.2



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

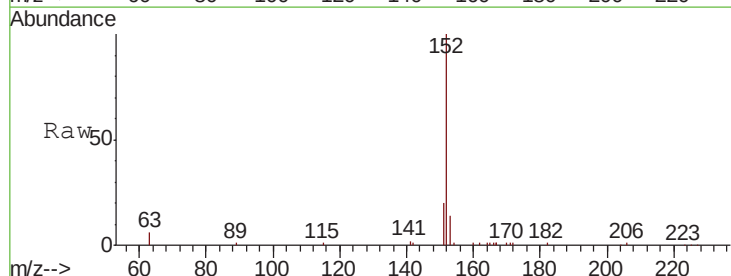


Time-->

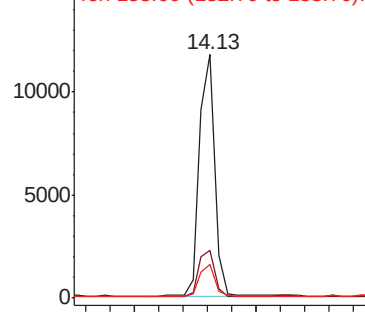


#16
Acenaphthylene
Concen: 0.369 ng
RT: 14.13 min Scan# 896
Delta R.T. -0.00 min
Lab File: BE100761.D
Acq: 22 Nov 2019 16:58

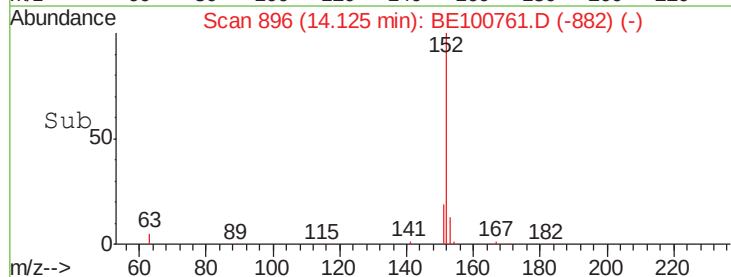
Tgt Ion:152 Resp: 20835
Ion Ratio Lower Upper
152 100
151 20.2 16.2 24.4
153 13.1 10.6 15.8

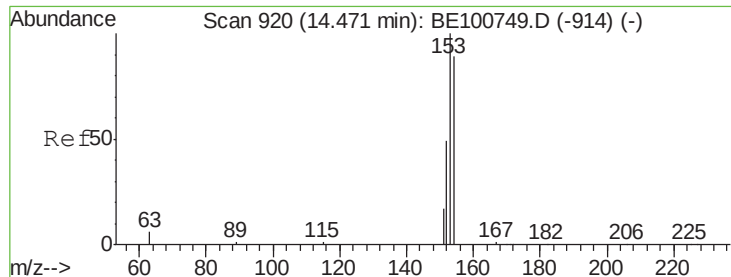


Abundance Ion 152.00 (151.70 to 152.70): E
Ion 151.00 (150.70 to 151.70): E
Ion 153.00 (152.70 to 153.70): E



Time-->





#17

Acenaphthene

Concen: 0.382 ng

RT: 14.47 min Scan# 920

Delta R.T. -0.00 min

Lab File: BE100761.D

Acq: 22 Nov 2019 16:58

Instrument :

BNA_E

ClientSampleId :

HF-102SMSD

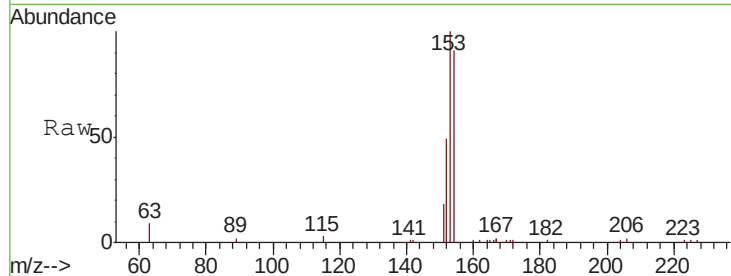
Tot Ion:154 Resp: 14463

Ion Ratio Lower Upper

154 100

153 113.7 91.6 137.4

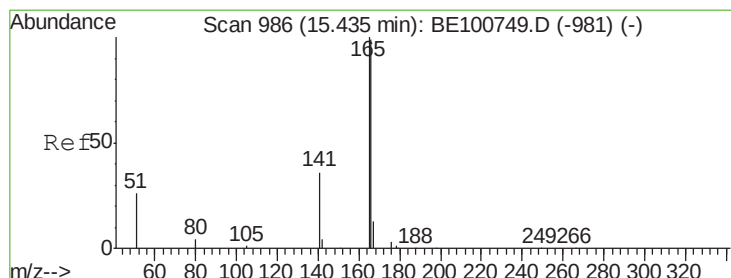
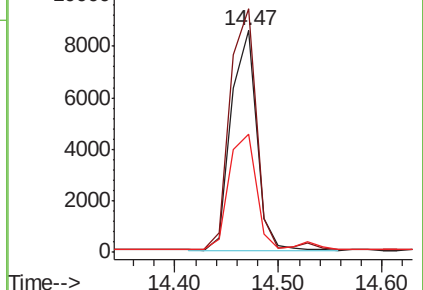
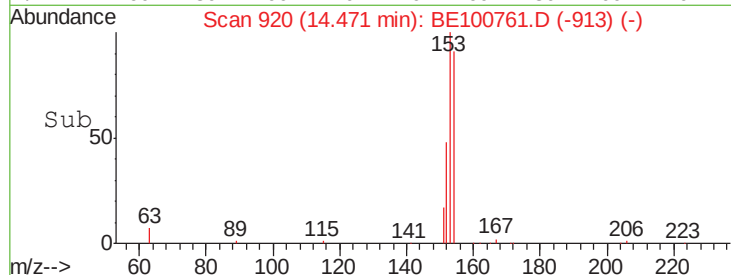
152 57.2 47.0 70.6



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: 0.367 ng

RT: 15.43 min Scan# 986

Delta R.T. -0.00 min

Lab File: BE100761.D

Acq: 22 Nov 2019 16:58

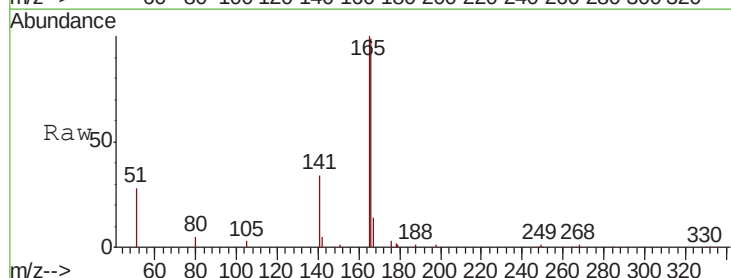
Tgt Ion:166 Resp: 17741

Ion Ratio Lower Upper

166 100

165 99.1 80.2 120.4

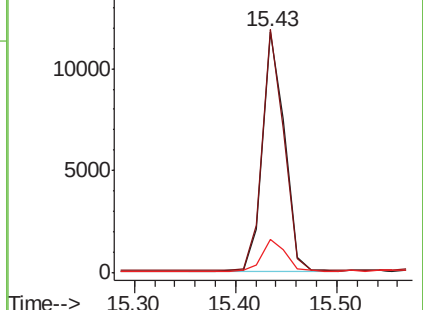
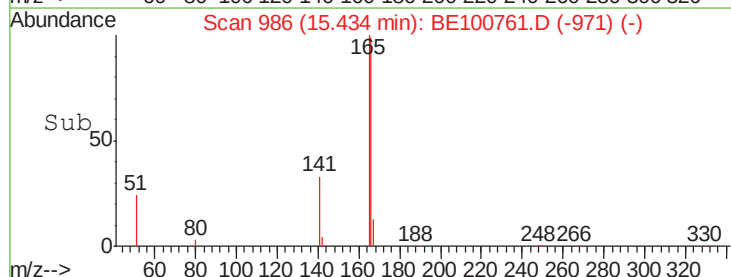
167 14.9 11.0 16.4

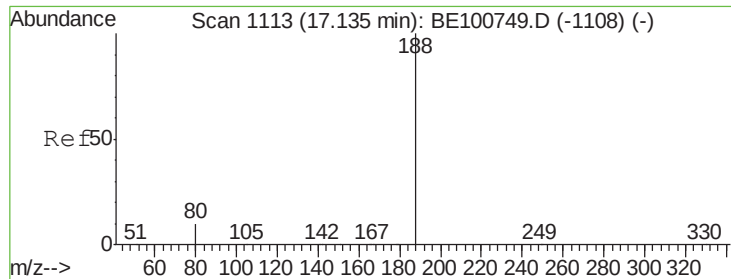


Abundance Ion 166.00 (165.70 to 166.70): E

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: BE100761.D

Acq: 22 Nov 2019 16:58

Instrument :

BNA_E

ClientSampleId :

HF-102SMSD

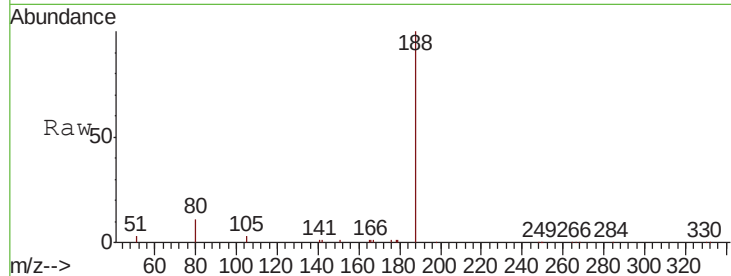
Tot Ion:188 Resp: 29897

Ion Ratio Lower Upper

188 100

94 0.0 0.0 0.0

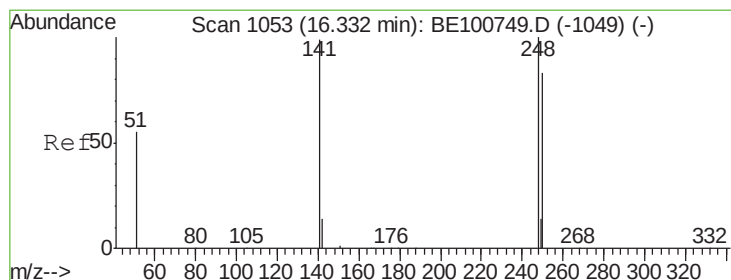
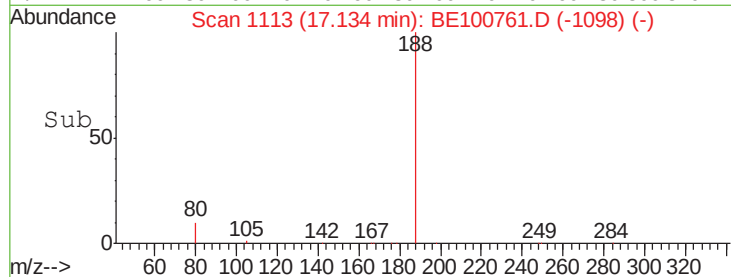
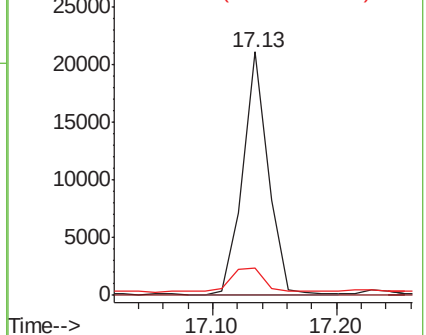
80 11.2 8.2 12.2



Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BE1

Ion 80.00 (79.70 to 80.70): BE1



#20

4-Bromophenyl-phenylether

Concen: 0.356 ng

RT: 16.33 min Scan# 1053

Delta R.T. -0.00 min

Lab File: BE100761.D

Acq: 22 Nov 2019 16:58

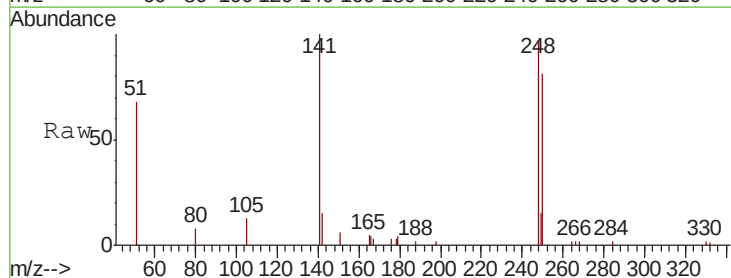
Tgt Ion:248 Resp: 5233

Ion Ratio Lower Upper

248 100

250 84.0 66.3 99.5

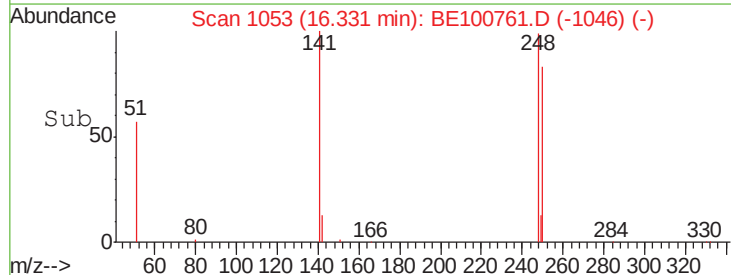
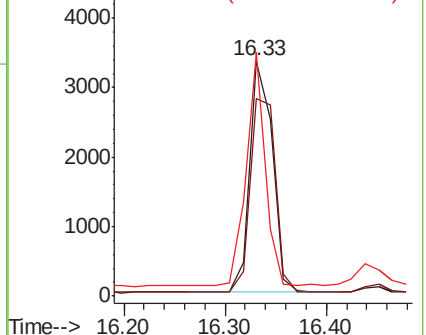
141 103.5 79.6 119.4

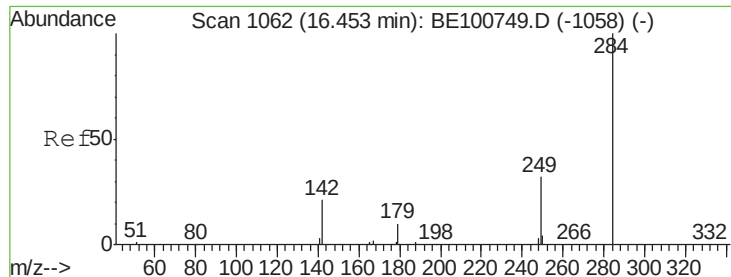


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E





#21

Hexachlorobenzene

Concen: 0.313 ng

RT: 16.45 min Scan# 1062

Delta R.T. -0.00 min

Lab File: BE100761.D

Acq: 22 Nov 2019 16:58

Instrument :

BNA_E

ClientSampleId :

HF-102SMSD

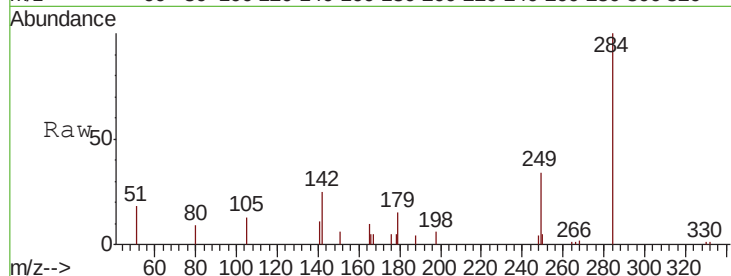
Tot Ion:284 Resp: 4812

Ion Ratio Lower Upper

284 100

142 44.3 34.9 52.3

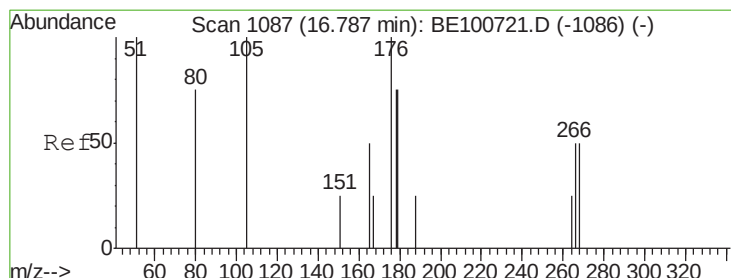
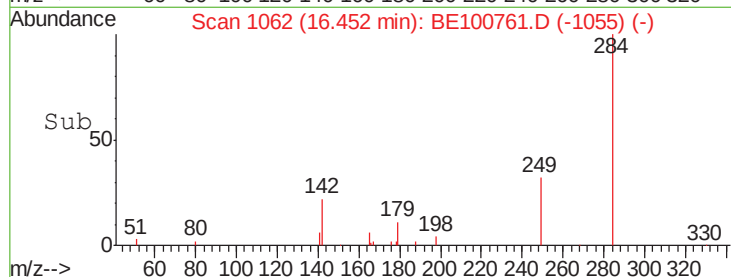
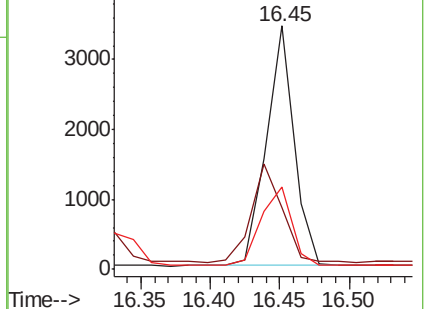
249 36.2 28.7 43.1



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: 1.181 ng

RT: 16.79 min Scan# 1087

Delta R.T. -0.00 min

Lab File: BE100761.D

Acq: 22 Nov 2019 16:58

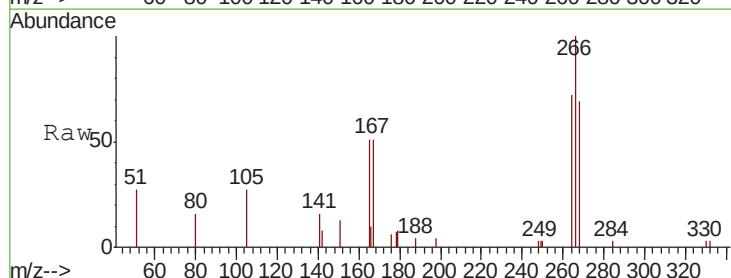
Tgt Ion:266 Resp: 3005

Ion Ratio Lower Upper

266 100

264 71.8 54.6 82.0

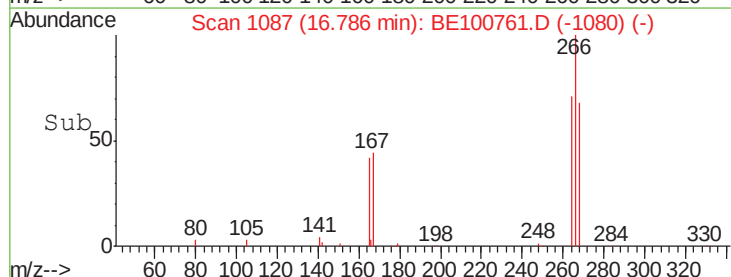
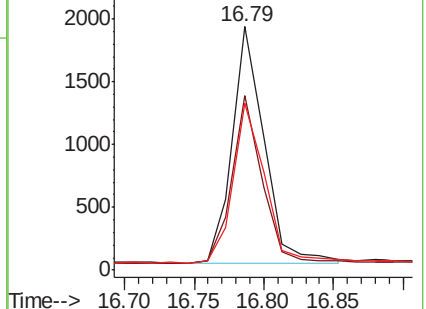
268 68.7 52.6 78.8

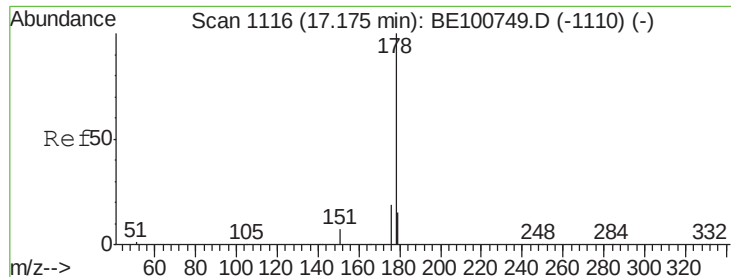


Abundance Ion 266.00 (265.70 to 266.70): E

Ion 264.00 (263.70 to 264.70): E

Ion 268.00 (267.70 to 268.70): E





#23

Phenanthrene

Concen: 0.378 ng

RT: 17.17 min Scan# 1116

Delta R.T. -0.00 min

Lab File: BE100761.D

Acq: 22 Nov 2019 16:58

Instrument :

BNA_E

ClientSampleId :

HF-102SMSD

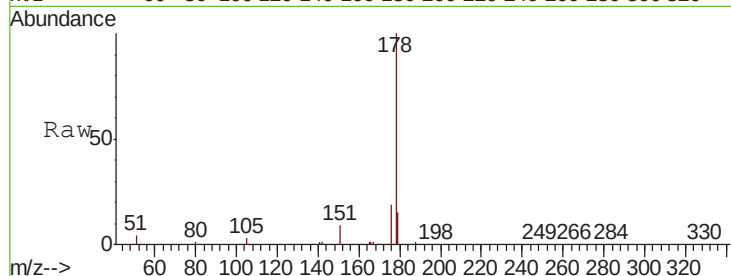
Tot Ion:178 Resp: 33994

Ion Ratio Lower Upper

178 100

176 19.2 15.3 22.9

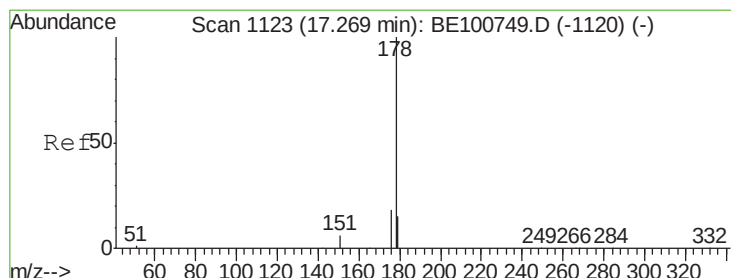
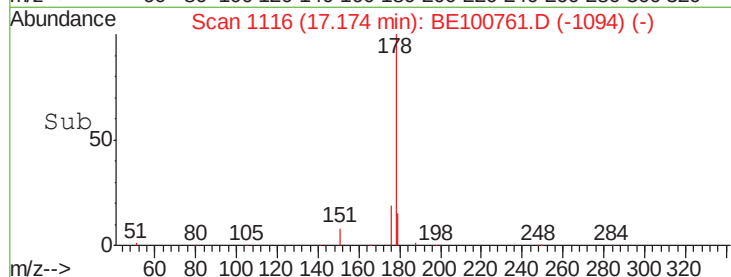
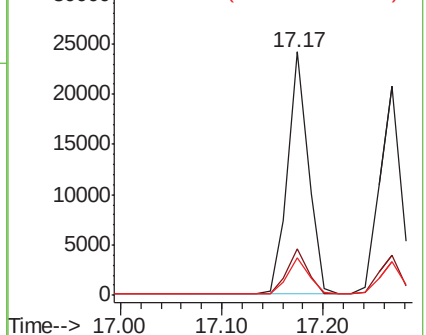
179 15.2 12.5 18.7



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: 0.393 ng

RT: 17.27 min Scan# 1123

Delta R.T. -0.00 min

Lab File: BE100761.D

Acq: 22 Nov 2019 16:58

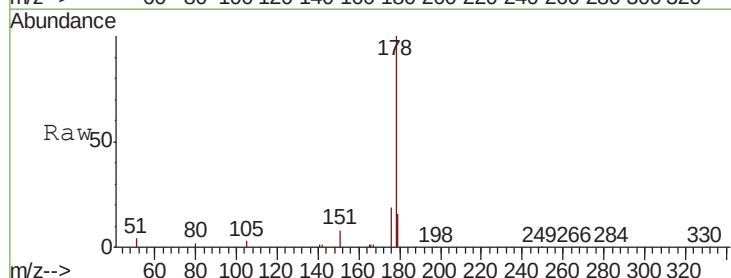
Tgt Ion:178 Resp: 30490

Ion Ratio Lower Upper

178 100

176 18.9 14.9 22.3

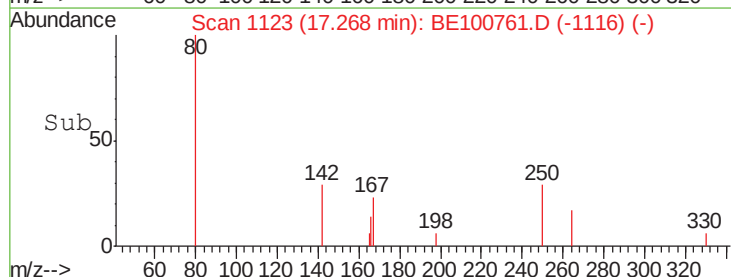
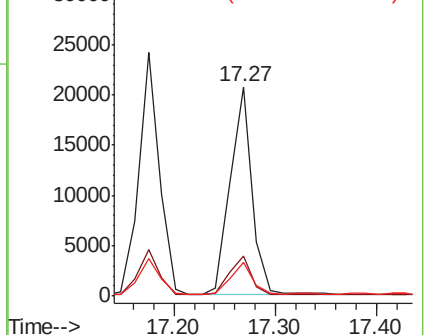
179 15.3 12.2 18.4

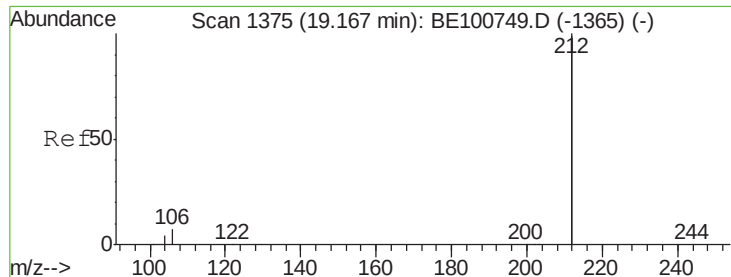


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#25

Fluoranthene-d10

Concen: 0.443 ng

RT: 19.17 min Scan# 1375

Delta R.T. 0.00 min

Lab File: BE100761.D

Acq: 22 Nov 2019 16:58

Instrument :

BNA_E

ClientSampleId :

HF-102SMSD

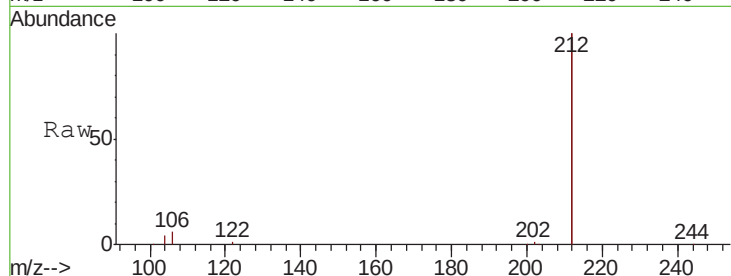
Tot Ion:212 Resp: 162273

Ion Ratio Lower Upper

212 100

106 3.4 2.6 4.0

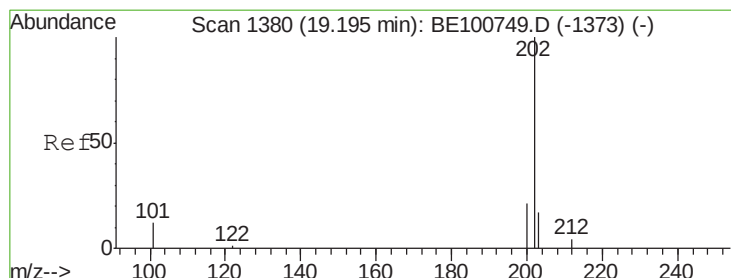
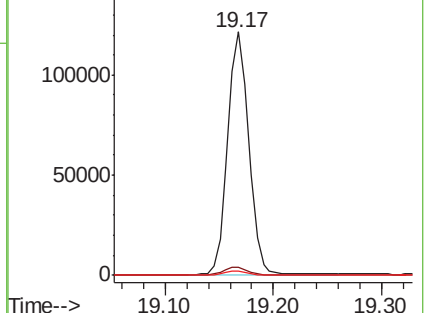
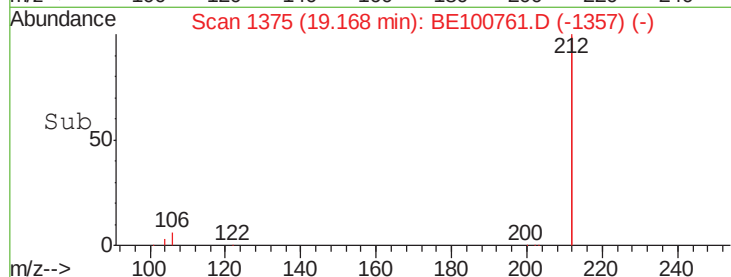
104 1.9 1.5 2.3



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: 0.414 ng

RT: 19.20 min Scan# 1380

Delta R.T. 0.00 min

Lab File: BE100761.D

Acq: 22 Nov 2019 16:58

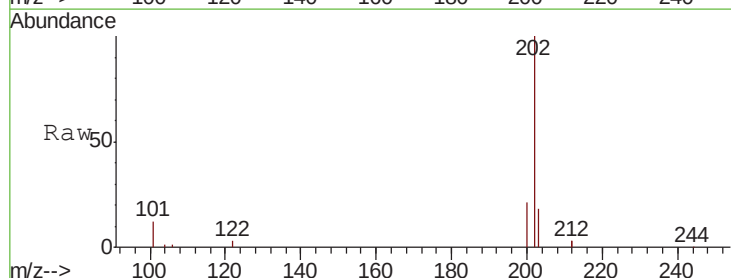
Tgt Ion:202 Resp: 45644

Ion Ratio Lower Upper

202 100

101 12.1 9.2 13.8

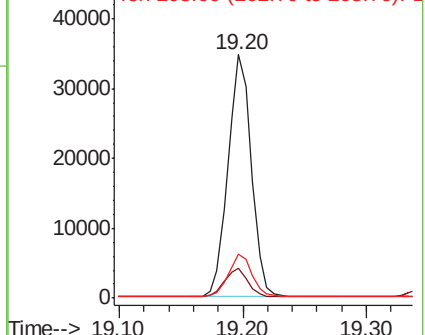
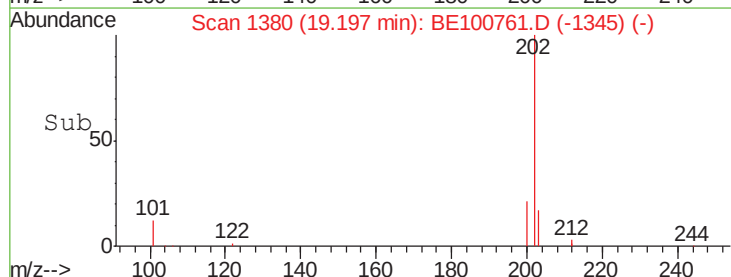
203 17.4 13.8 20.8

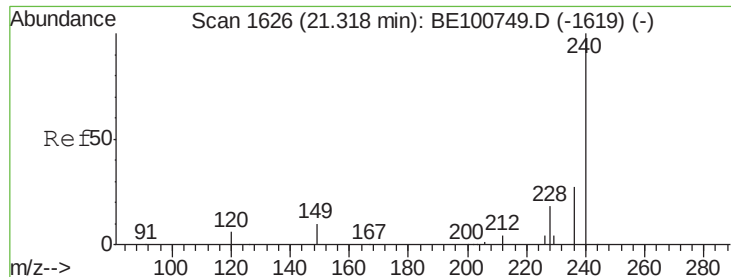


Abundance Ion 202.00 (201.70 to 202.70): E

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: 21.32 min Scan# 1625

Delta R.T. -0.00 min

Lab File: BE100761.D

Acq: 22 Nov 2019 16:58

Instrument :

BNA_E

ClientSampleId :

HF-102SMSD

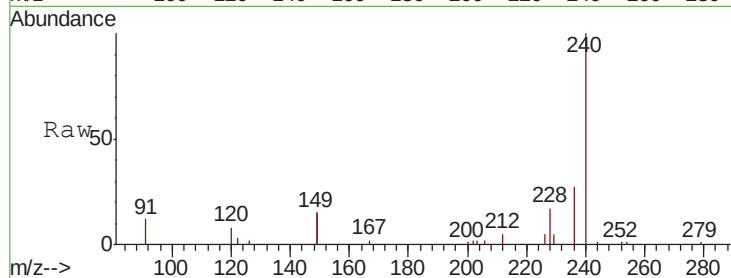
Tot Ion:240 Resp: 37008

Ion Ratio Lower Upper

240 100

120 8.3 5.8 8.8

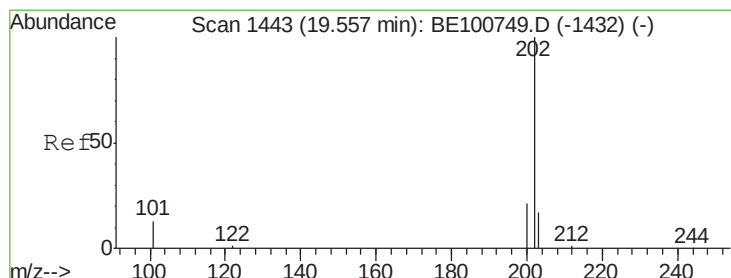
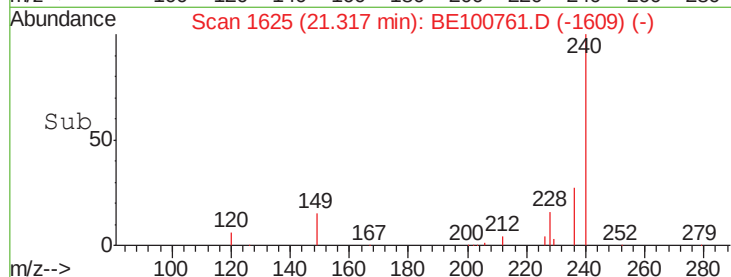
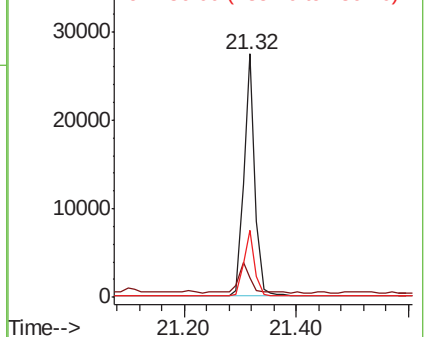
236 27.5 21.9 32.9



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: 0.430 ng

RT: 19.56 min Scan# 1443

Delta R.T. 0.00 min

Lab File: BE100761.D

Acq: 22 Nov 2019 16:58

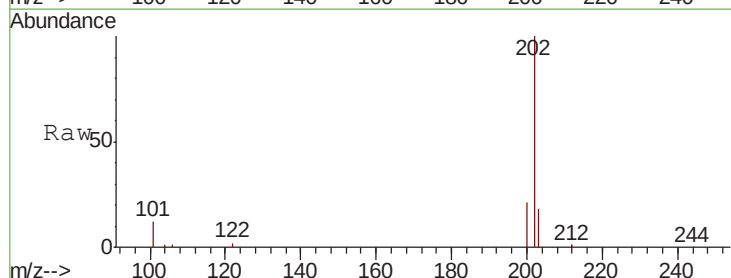
Tgt Ion:202 Resp: 49253

Ion Ratio Lower Upper

202 100

200 21.5 16.6 24.8

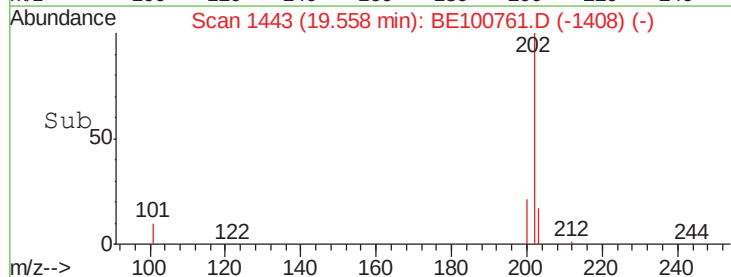
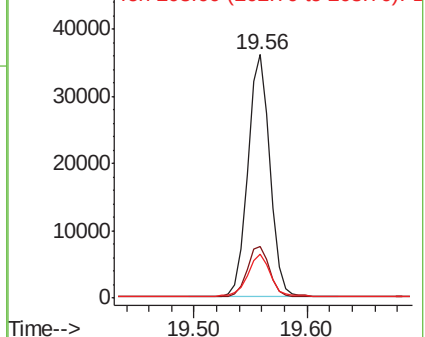
203 18.2 14.0 21.0

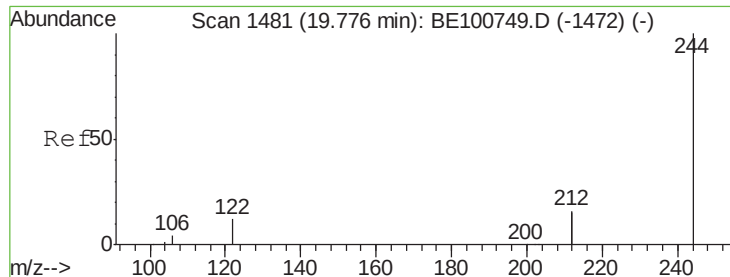


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#29

Terphenyl-d14

Concen: 0.461 ng

RT: 19.77 min Scan# 1480

Delta R.T. -0.00 min

Lab File: BE100761.D

Acq: 22 Nov 2019 16:58

Instrument :

BNA_E

ClientSampleId :

HF-102SMSD

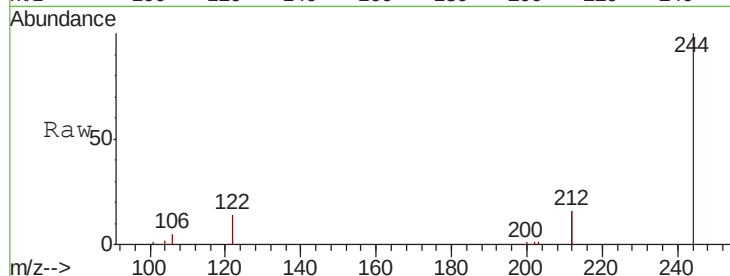
Tot Ion:244 Resp: 39241

Ion Ratio Lower Upper

244 100

212 33.0 25.2 37.8

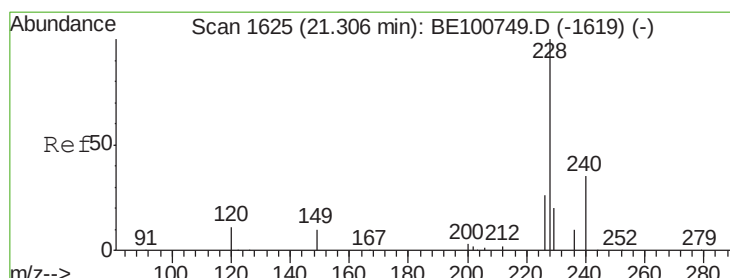
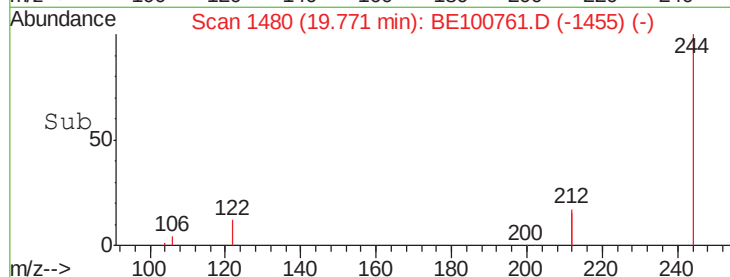
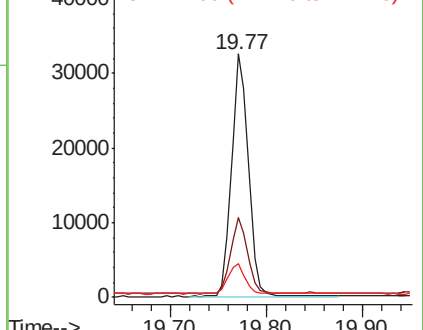
122 13.6 9.8 14.6



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: 0.392 ng

RT: 21.30 min Scan# 1624

Delta R.T. -0.00 min

Lab File: BE100761.D

Acq: 22 Nov 2019 16:58

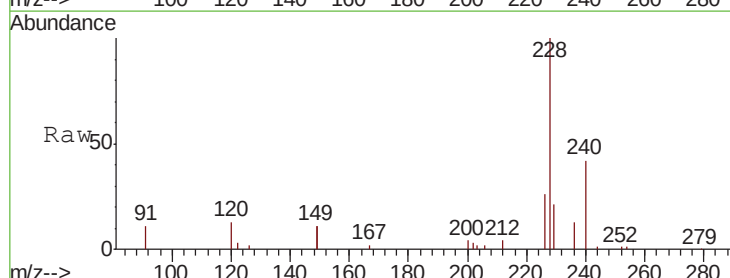
Tgt Ion:228 Resp: 48976

Ion Ratio Lower Upper

228 100

226 26.1 20.7 31.1

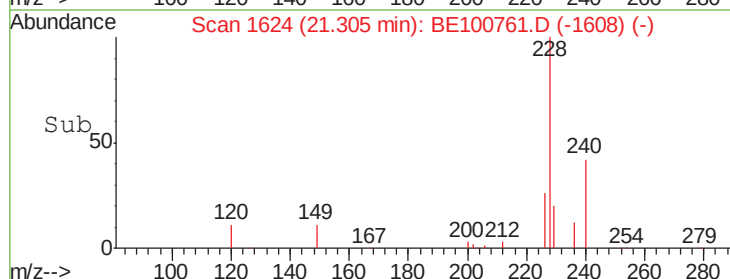
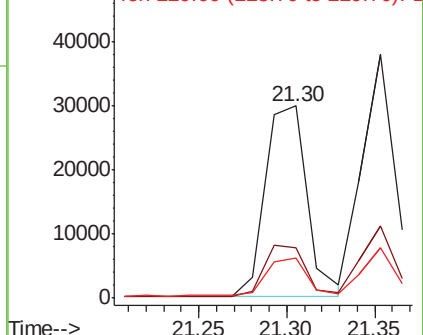
229 21.0 16.2 24.2

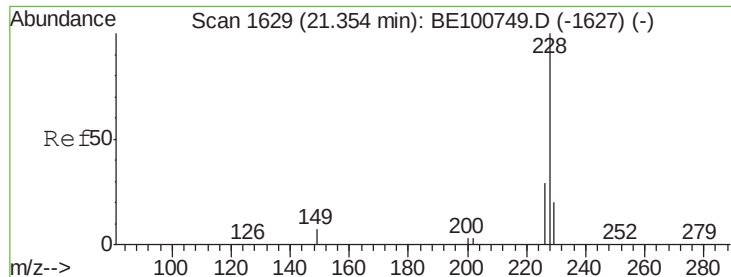


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#31

Chrysene

Concen: 0.385 ng

RT: 21.35 min Scan# 1628

Delta R.T. -0.00 min

Lab File: BE100761.D

Acq: 22 Nov 2019 16:58

Instrument :

BNA_E

ClientSampleId :

HF-102SMSD

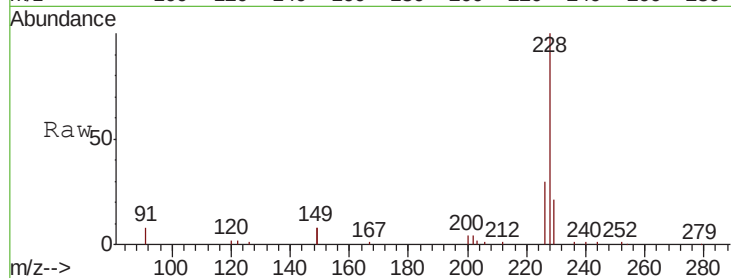
Tot Ion:228 Resp: 48848

Ion Ratio Lower Upper

228 100

226 29.6 23.8 35.6

229 20.8 15.9 23.9

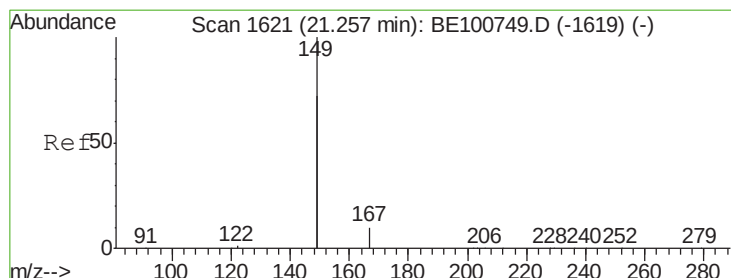
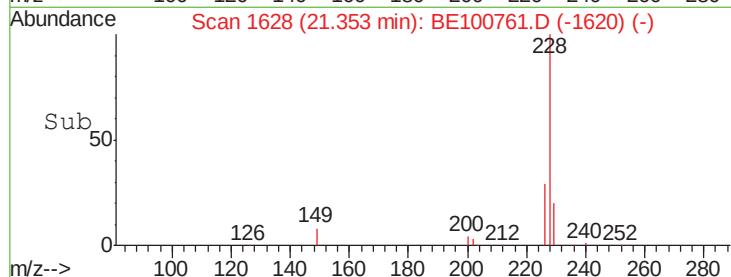
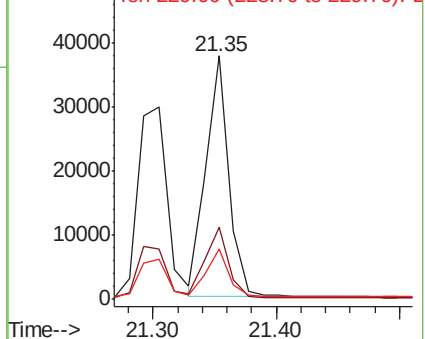


Abundance

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: 1.245 ng

RT: 21.26 min Scan# 1620

Delta R.T. -0.00 min

Lab File: BE100761.D

Acq: 22 Nov 2019 16:58

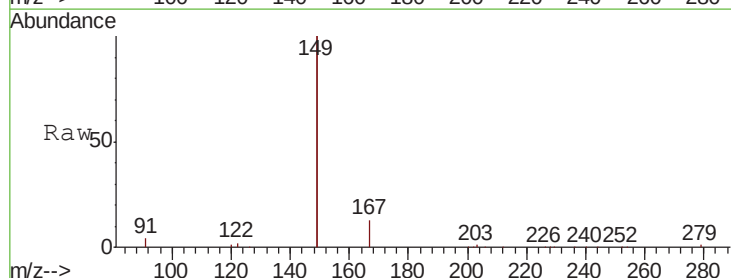
Tgt Ion:149 Resp: 213848

Ion Ratio Lower Upper

149 100

167 6.2 5.5 8.3

279 0.8 0.7 1.1

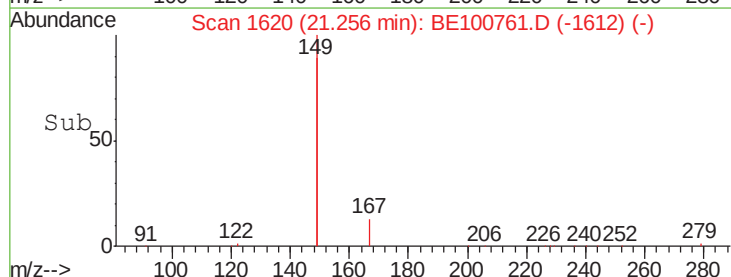
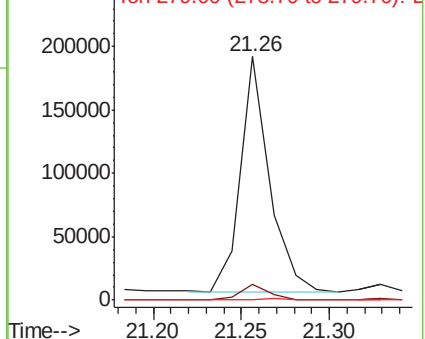


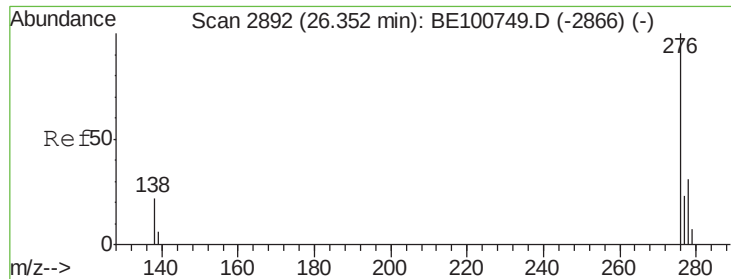
Abundance

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

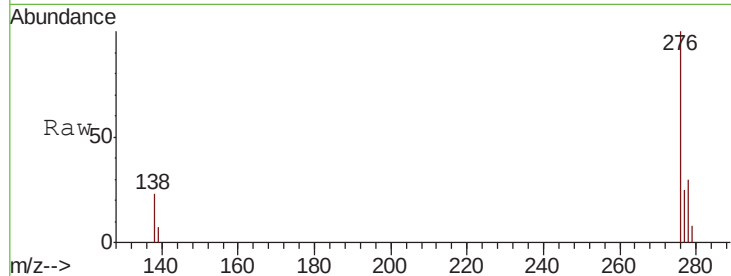




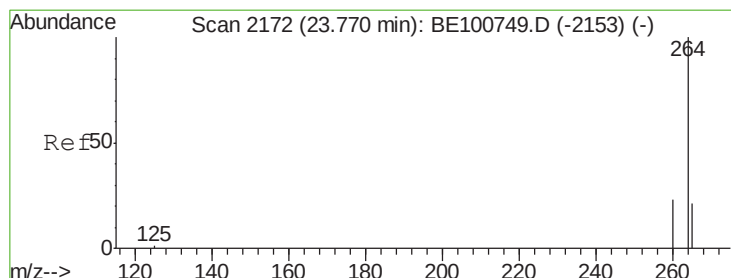
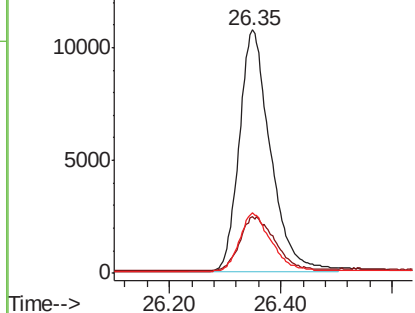
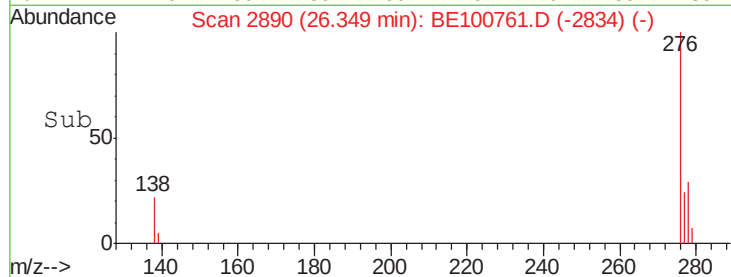
#33
Indeno(1,2,3-cd)pyrene
Concen: 0.360 ng
RT: 26.35 min Scan# 2890
Delta R.T. -0.00 min
Lab File: BE100761.D
Acq: 22 Nov 2019 16:58

Instrument :
BNA_E
ClientSampleId :
HF-102SMSD

Tot Ion:276 Resp: 41758
Ion Ratio Lower Upper
276 100
138 24.7 19.8 29.6
277 24.6 19.7 29.5

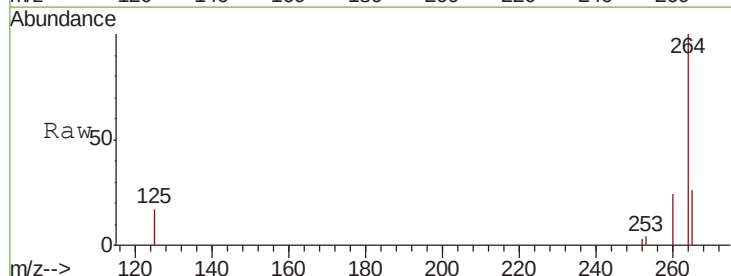


Abundance Ion 276.00 (275.70 to 276.70): E
Ion 138.00 (137.70 to 138.70): E
Ion 277.00 (276.70 to 277.70): E

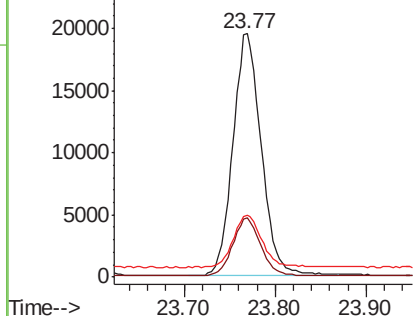
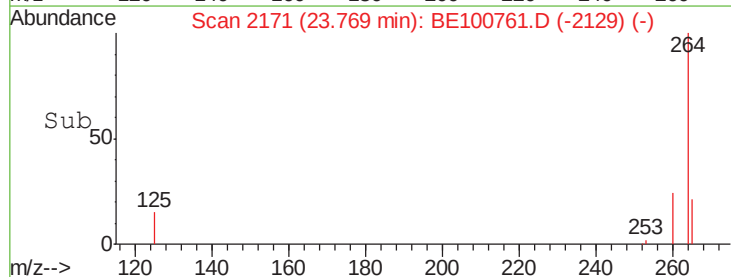


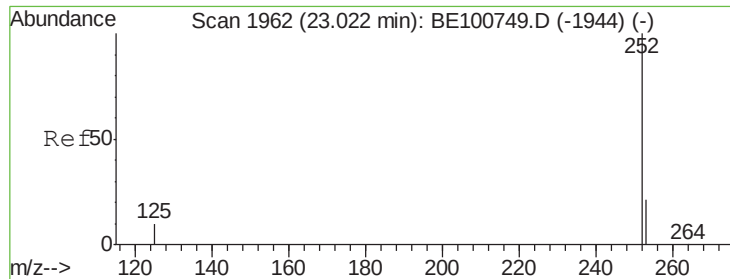
#34
Perylene-d12
Concen: 0.400 ng
RT: 23.77 min Scan# 2171
Delta R.T. -0.00 min
Lab File: BE100761.D
Acq: 22 Nov 2019 16:58

Tgt Ion:264 Resp: 42506
Ion Ratio Lower Upper
264 100
260 24.1 18.7 28.1
265 25.5 22.4 33.6



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: 0.332 ng

RT: 23.02 min Scan# 1960

Delta R.T. -0.00 min

Lab File: BE100761.D

Acq: 22 Nov 2019 16:58

Instrument :

BNA_E

ClientSampleId :

HF-102SMSD

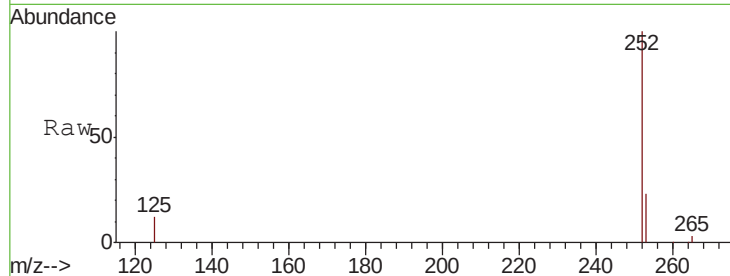
Tot Ion:252 Resp: 44263

Ion Ratio Lower Upper

252 100

253 22.9 17.5 26.3

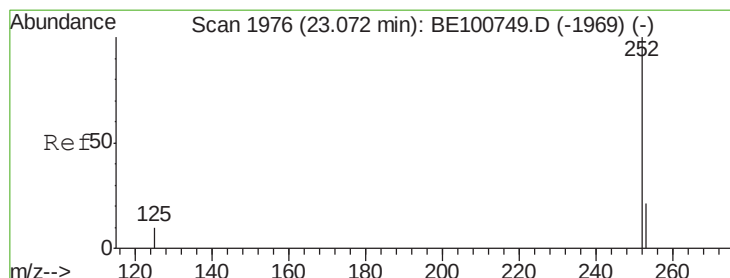
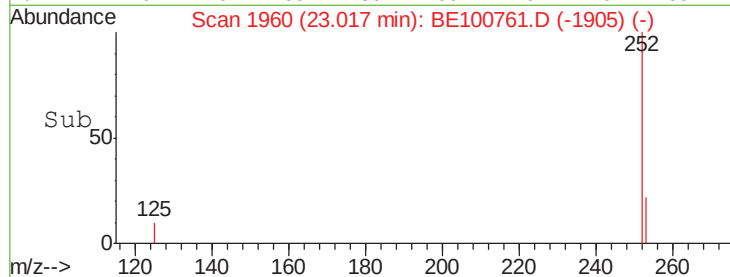
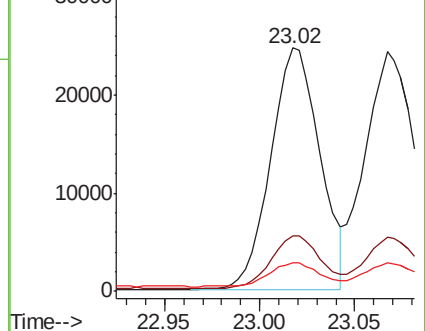
125 11.9 9.1 13.7



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: 0.338 ng

RT: 23.07 min Scan# 1974

Delta R.T. -0.00 min

Lab File: BE100761.D

Acq: 22 Nov 2019 16:58

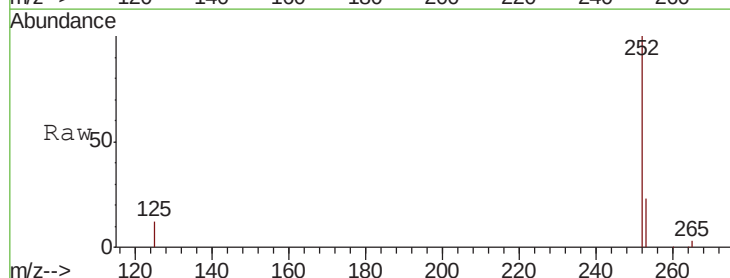
Tgt Ion:252 Resp: 46946

Ion Ratio Lower Upper

252 100

253 22.5 17.8 26.6

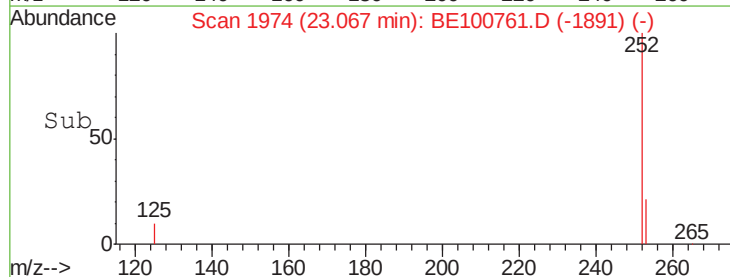
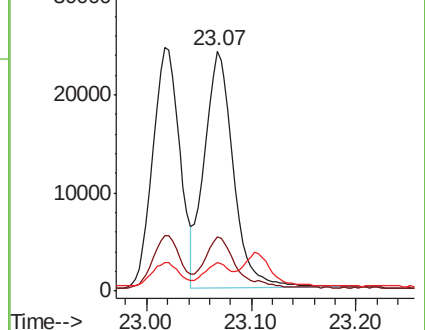
125 11.6 9.0 13.4

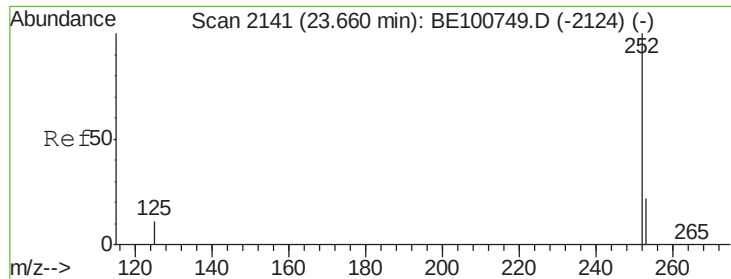


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#37

Benzo(a)pyrene

Concen: 0.352 ng

RT: 23.66 min Scan# 2140

Delta R.T. -0.00 min

Lab File: BE100761.D

Acq: 22 Nov 2019 16:58

Instrument :

BNA_E

ClientSampleId :

HF-102SMSD

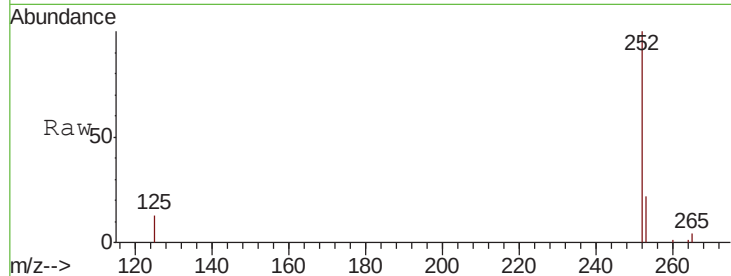
Tot Ion:252 Resp: 41396

Ion Ratio Lower Upper

252 100

253 22.4 18.3 27.5

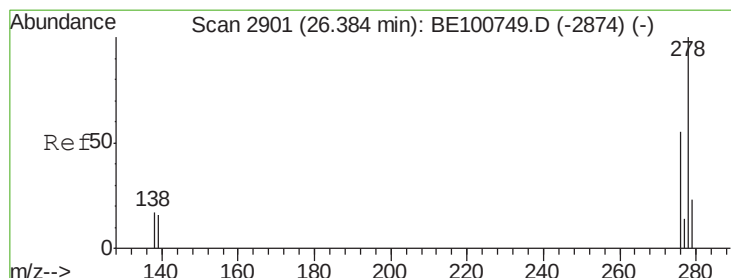
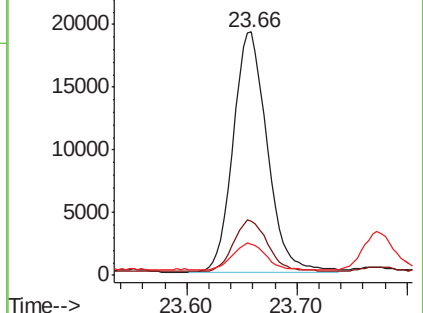
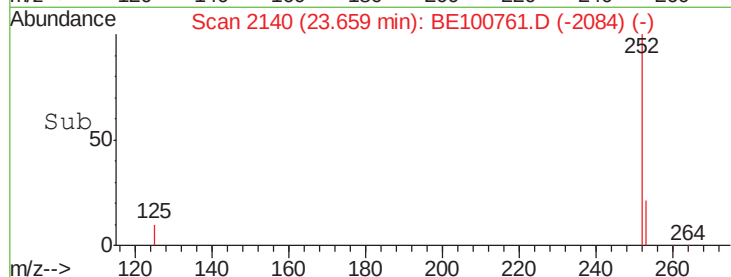
125 12.6 10.5 15.7



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: 0.272 ng

RT: 26.38 min Scan# 2899

Delta R.T. -0.00 min

Lab File: BE100761.D

Acq: 22 Nov 2019 16:58

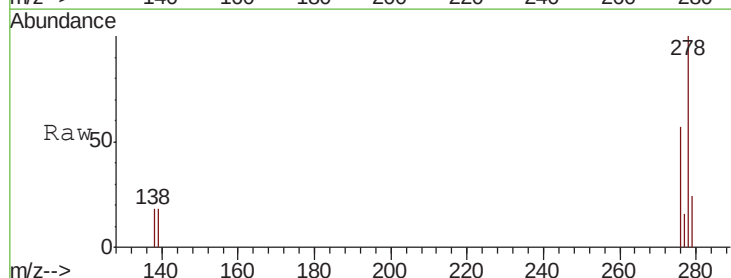
Tgt Ion:278 Resp: 33637

Ion Ratio Lower Upper

278 100

139 18.2 13.2 19.8

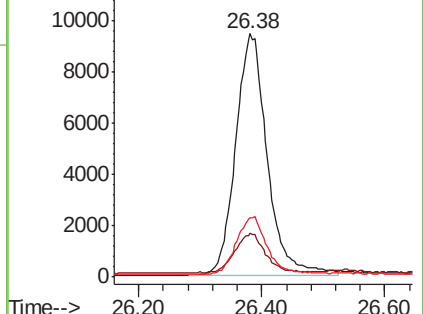
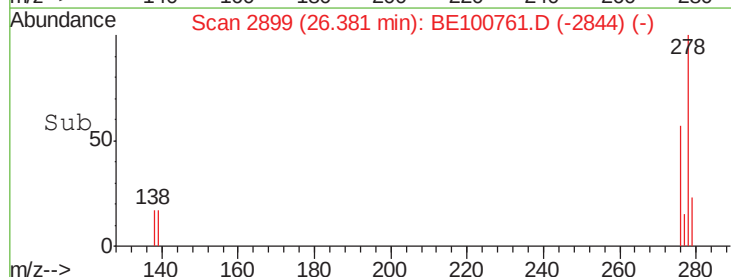
279 24.4 19.4 29.2

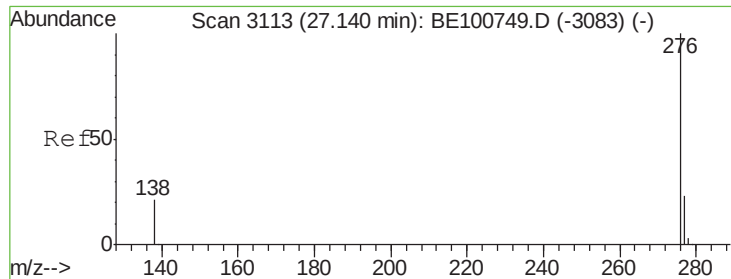


Abundance Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E





#39

Benzo(α,h,i)perylene

Concen: 0.319 ng

RT: 27.14 min Scan# 3111

Delta R.T. -0.00 min

Lab File: BE100761.D

Acq: 22 Nov 2019 16:58

Instrument :

BNA_E

ClientSampleId :

HF-102SMSD

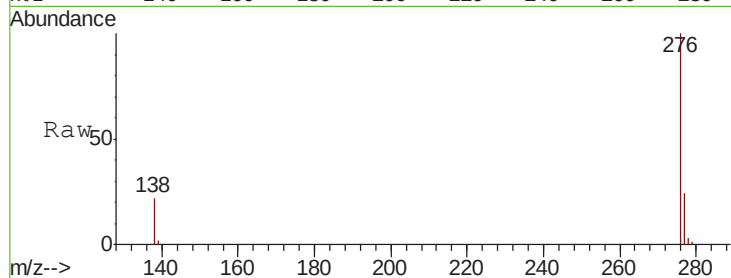
Tot Ion:276 Resp: 36930

Ion Ratio Lower Upper

276 100

277 24.2 18.9 28.3

138 22.5 17.8 26.8



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

