

Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE112219\
 Data File : BE100760.D
 Acq On : 22 Nov 2019 15:46
 Operator : JU
 Sample : K5969-06MS
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 HF-102SMS

Quant Time: Nov 22 16:51:30 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	5573	0.40	ng	0.00
7) Naphthalene-d8	10.55	136	23067	0.40	ng	0.00
13) Acenaphthene-d10	14.40	164	12274	0.40	ng	0.00
19) Phenanthrene-d10	17.13	188	27666	0.40	ng	0.00
27) Chrysene-d12	21.32	240	34782	0.40	ng	0.00
34) Perylene-d12	23.77	264	41113	0.40	ng	0.00

System Monitoring Compounds						
4) 2-Fluorophenol	5.37	112	2489	0.16	ng	0.00
5) Phenol-d6	6.93	99	3046	0.14	ng	0.00
8) Nitrobenzene-d5	8.90	82	4670	0.63	ng	0.00
11) 2-Methylnaphthalene-d10	12.14	152	20168	0.60	ng	0.00
14) 2,4,6-Tribromophenol	15.88	330	1115	0.64	ng	0.00
15) 2-Fluorobiphenyl	13.03	172	18394	0.39	ng	0.00
25) Fluoranthene-d10	19.17	212	147202	0.43	ng	0.00
29) Terphenyl-d14	19.77	244	35620	0.44	ng	0.00

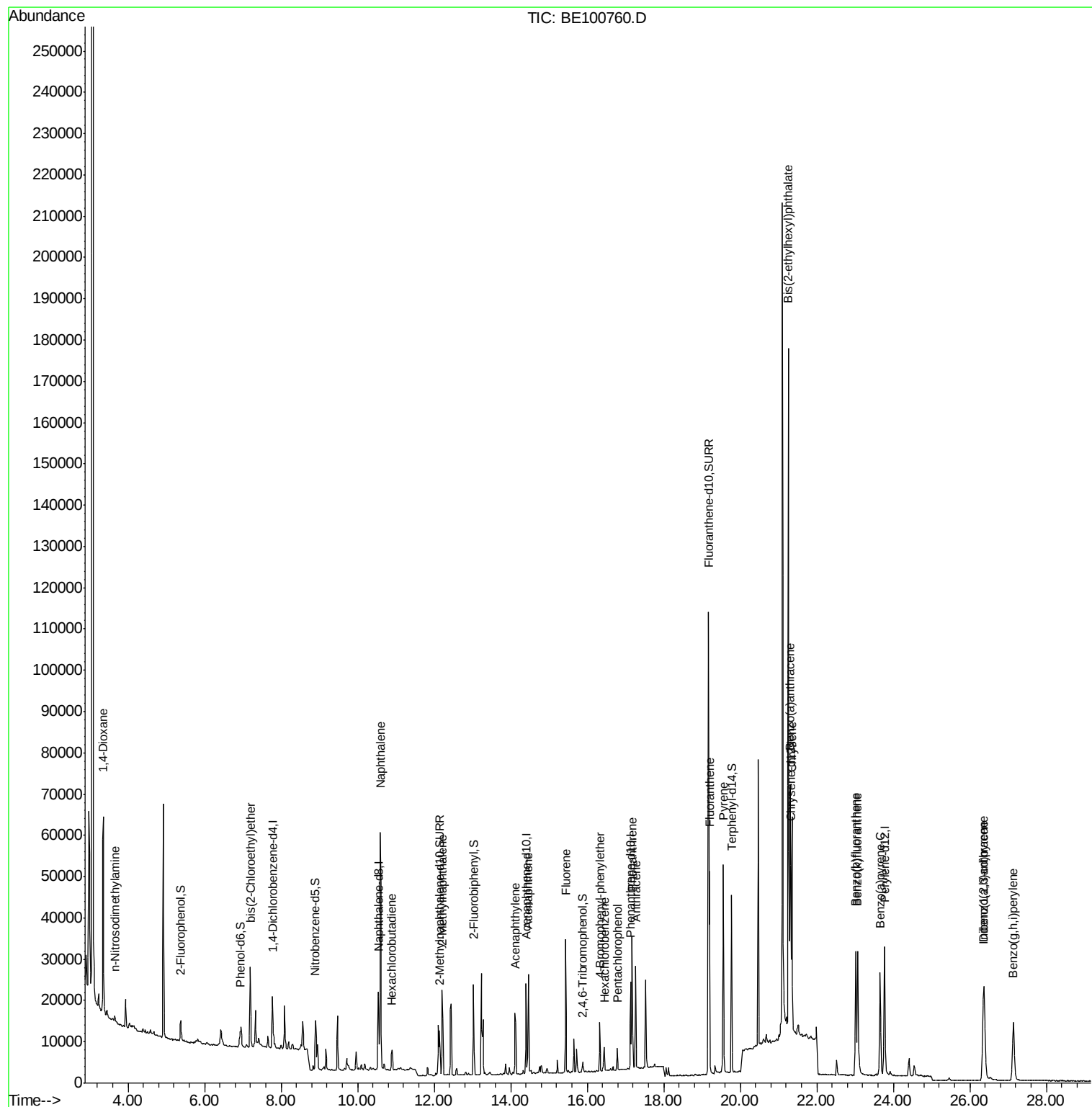
Target Compounds					Qvalue	
2) 1,4-Dioxane	3.35	88	32943	3.151	ng	98
3) n-Nitrosodimethylamine	3.65	42	1386	0.315	ng	# 59
6) bis(2-Chloroethyl)ether	7.19	93	7229	0.396	ng	97
9) Naphthalene	10.59	128	94834	0.387	ng	100
10) Hexachlorobutadiene	10.90	225	3219	0.342	ng	99
12) 2-Methylnaphthalene	12.21	142	14371	0.371	ng	97
16) Acenaphthylene	14.11	152	19159	0.363	ng	99
17) Acenaphthene	14.46	154	13505	0.381	ng	98
18) Fluorene	15.43	166	16280	0.360	ng	99
20) 4-Bromophenyl-phenylether	16.33	248	4777	0.351	ng	86
21) Hexachlorobenzene	16.45	284	4624	0.325	ng	97
22) Pentachlorophenol	16.79	266	2625	1.127	ng	95
23) Phenanthrene	17.17	178	30523	0.366	ng	99
24) Anthracene	17.27	178	27240	0.379	ng	99
26) Fluoranthene	19.20	202	42129	0.413	ng	99
28) Pyrene	19.56	202	44712	0.415	ng	99
30) Benzo(a)anthracene	21.29	228	47868	0.408	ng	97
31) Chrysene	21.35	228	44835	0.376	ng	99
32) Bis(2-ethylhexyl)phthalate	21.26	149	187262	1.167	ng	98
33) Indeno(1,2,3-cd)pyrene	26.35	276	40049	0.366	ng	99
35) Benzo(b)fluoranthene	23.02	252	42326	0.328	ng	99
36) Benzo(k)fluoranthene	23.07	252	44523	0.331	ng	98
37) Benzo(a)pyrene	23.65	252	39423	0.347	ng	100
38) Dibenzo(a,h)anthracene	26.38	278	32348	0.270	ng	98
39) Benzo(g,h,i)perylene	27.14	276	35360	0.316	ng	99

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

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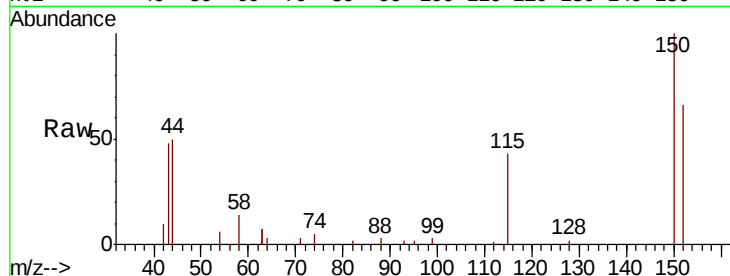


#1

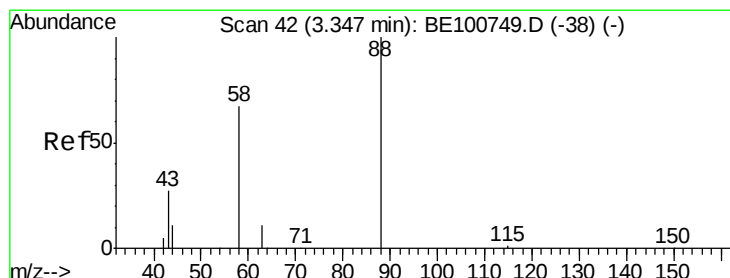
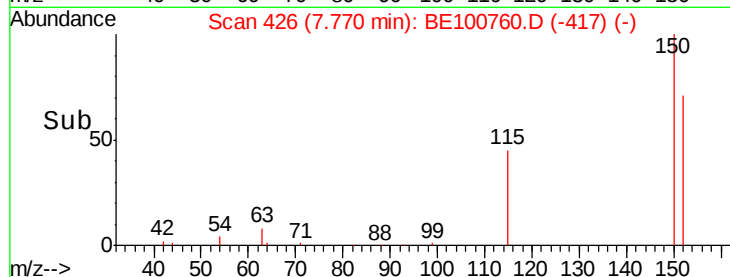
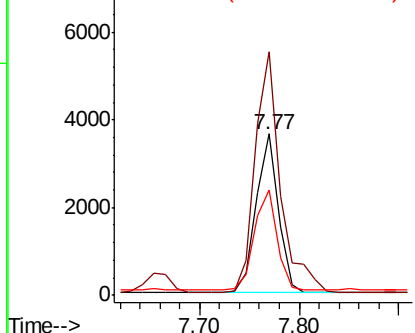
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.77 min Scan# 426
Delta R.T. 0.00 min
Lab File: BE100760.D
Acq: 22 Nov 2019 15:46

Instrument :
BNA_E
ClientSampleId :
HF-102SMS

Tot Ion:152 Resp: 5573
Ion Ratio Lower Upper
152 100
150 151.0 127.1 190.7
115 65.3 53.0 79.4



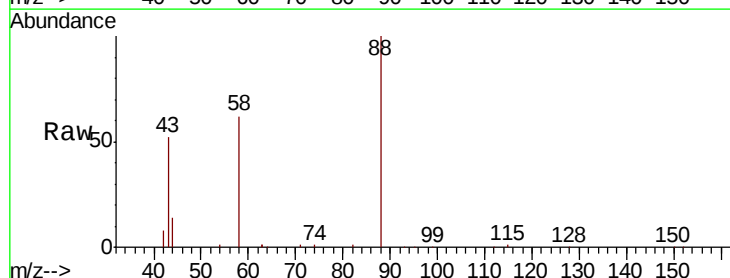
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



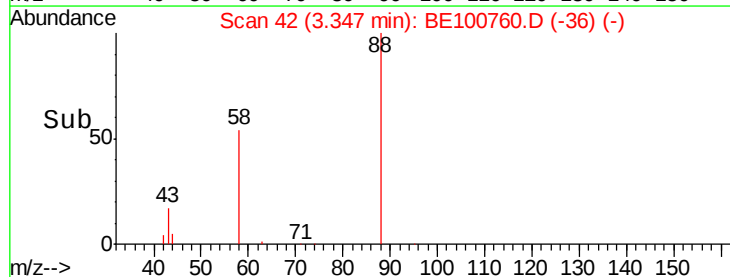
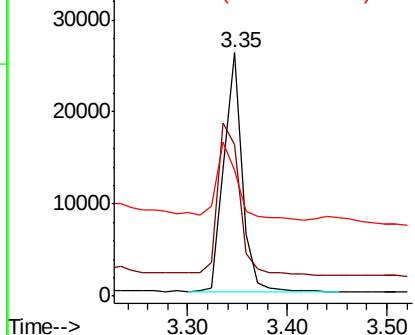
#2

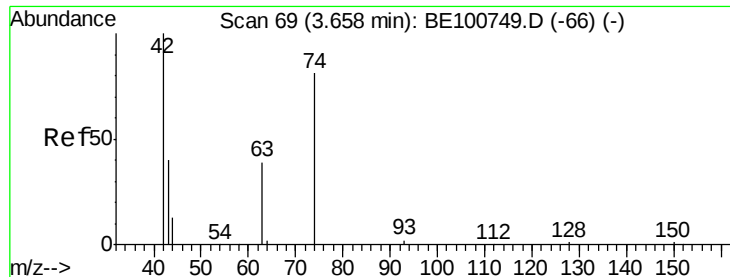
1,4-Dioxane
Concen: 3.151 ng
RT: 3.35 min Scan# 42
Delta R.T. 0.00 min
Lab File: BE100760.D
Acq: 22 Nov 2019 15:46

Tgt Ion: 88 Resp: 32943
Ion Ratio Lower Upper
88 100
58 74.7 60.7 91.1
43 37.1 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: 0.315 ng

RT: 3.65 min Scan# 68

Delta R.T. -0.01 min

Lab File: BE100760.D

Acq: 22 Nov 2019 15:46

Instrument :

BNA_E

ClientSampleId :

HF-102SMS

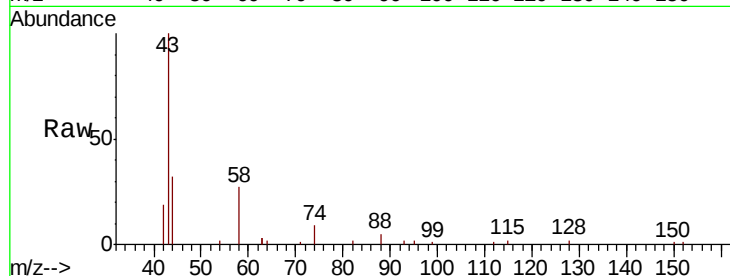
Tot Ion: 42 Resp: 1386

Ion Ratio Lower Upper

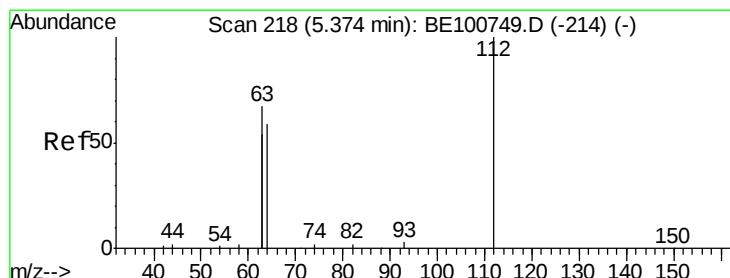
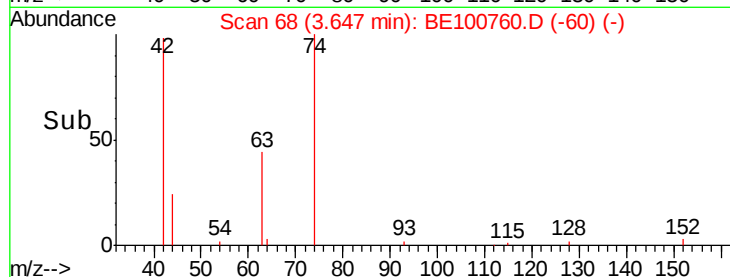
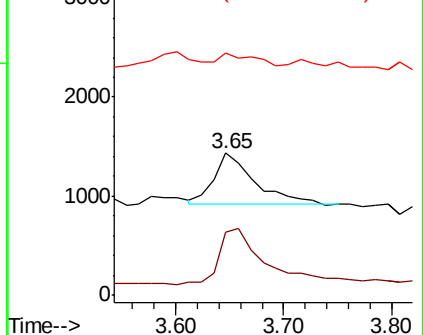
42 100

74 121.1 0.0 0.0#

44 19.1 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: 0.165 ng

RT: 5.37 min Scan# 218

Delta R.T. 0.00 min

Lab File: BE100760.D

Acq: 22 Nov 2019 15:46

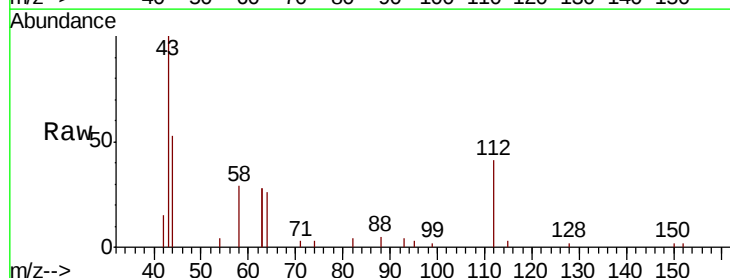
Tgt Ion: 112 Resp: 2489

Ion Ratio Lower Upper

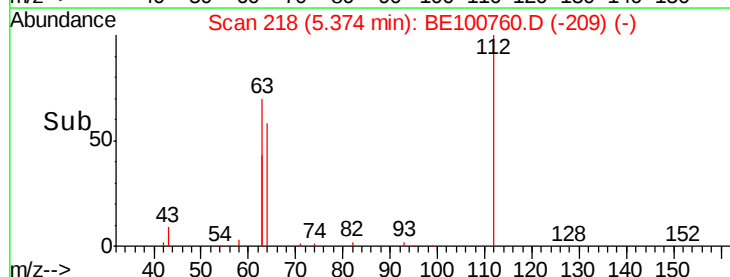
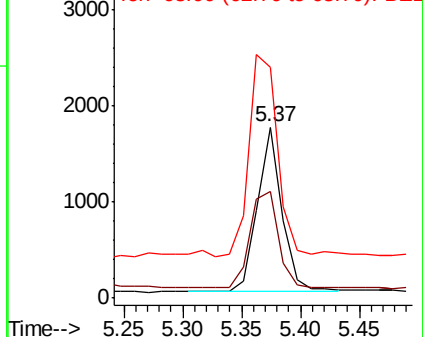
112 100

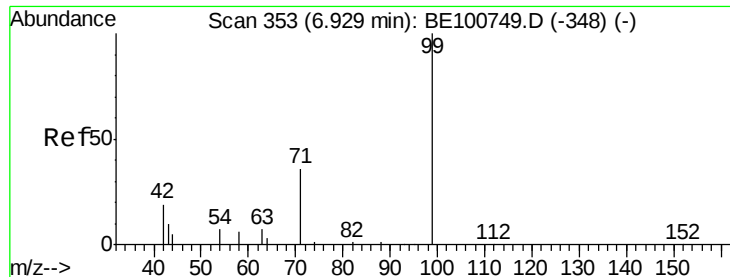
64 68.5 54.3 81.5

63 139.6 114.0 171.0



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: 0.139 ng

RT: 6.93 min Scan# 353

Delta R.T. 0.00 min

Lab File: BE100760.D

Acq: 22 Nov 2019 15:46

Instrument :

BNA_E

ClientSampleId :

HF-102SMS

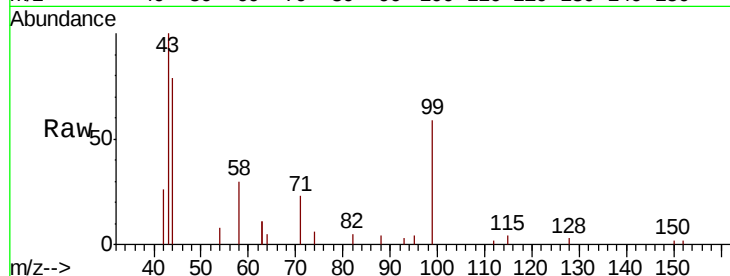
Tot Ion: 99 Resp: 3046

Ion Ratio Lower Upper

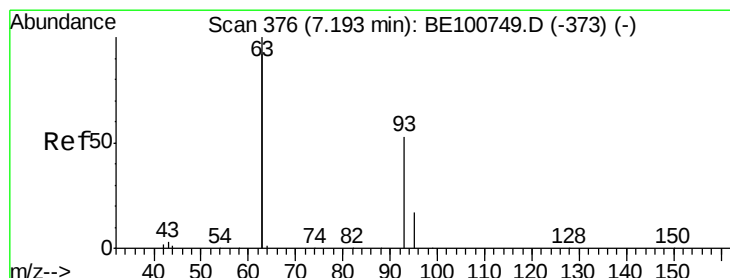
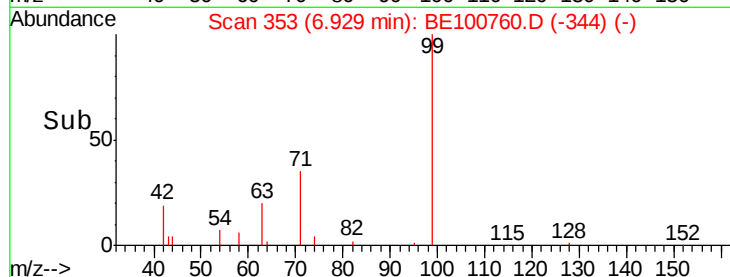
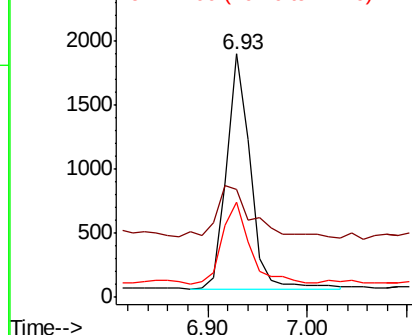
99 100

42 29.2 17.9 26.9#

71 39.7 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: 0.396 ng

RT: 7.19 min Scan# 376

Delta R.T. 0.00 min

Lab File: BE100760.D

Acq: 22 Nov 2019 15:46

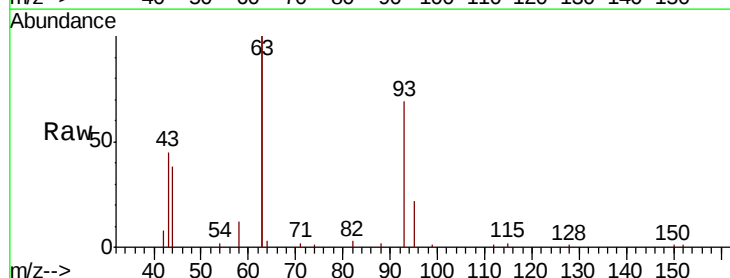
Tgt Ion: 93 Resp: 7229

Ion Ratio Lower Upper

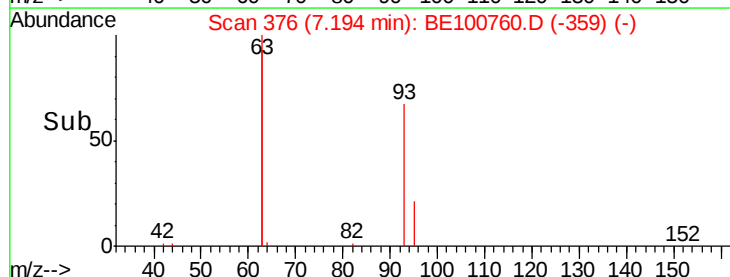
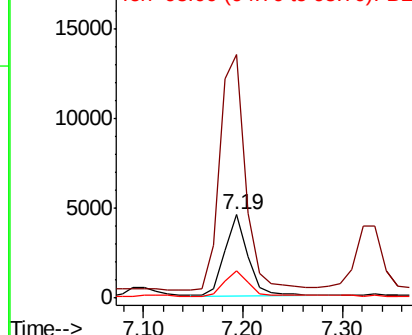
93 100

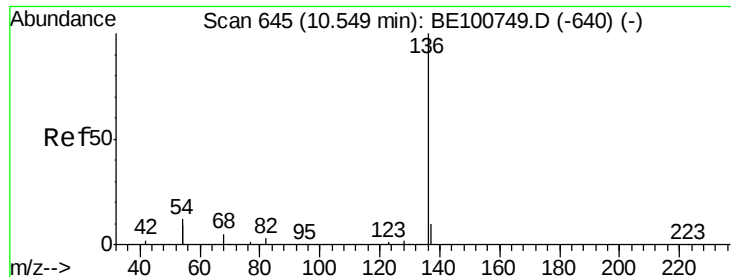
63 326.8 267.0 400.6

95 32.3 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: BE100760.D

Acq: 22 Nov 2019 15:46

Instrument :

BNA_E

ClientSampleId :

HF-102SMS

Tot Ion:136 Resp: 23067

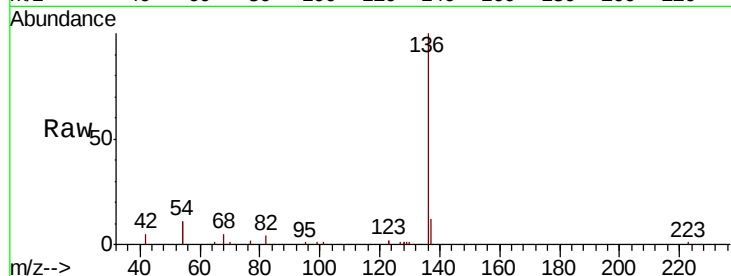
Ion Ratio Lower Upper

136 100

137 11.6 8.6 12.8

54 21.7 19.4 29.0

68 4.9 4.6 6.8

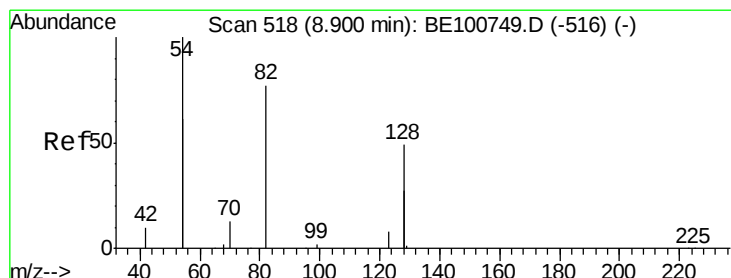
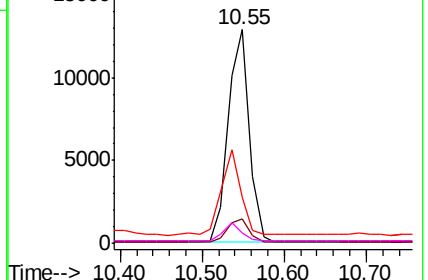
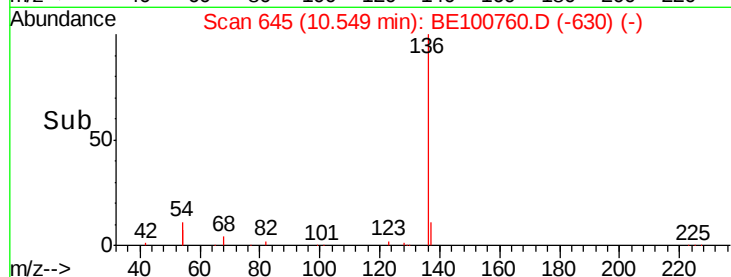


Abundance Ion 136.00 (135.70 to 136.70): E

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: 0.632 ng

RT: 8.90 min Scan# 518

Delta R.T. -0.00 min

Lab File: BE100760.D

Acq: 22 Nov 2019 15:46

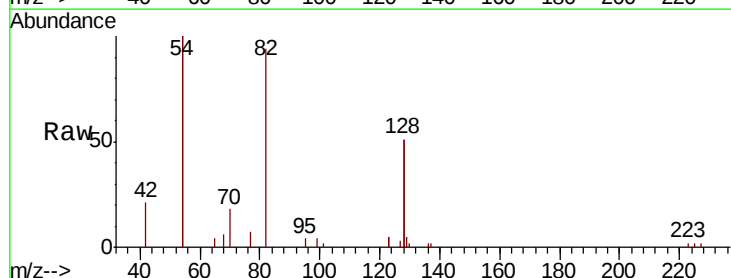
Tgt Ion: 82 Resp: 4670

Ion Ratio Lower Upper

82 100

128 109.7 90.2 135.4

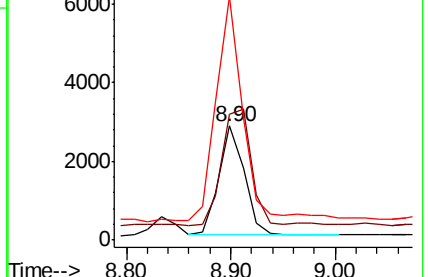
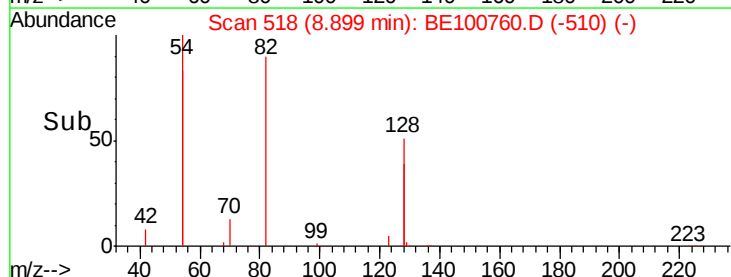
54 213.1 186.0 279.0

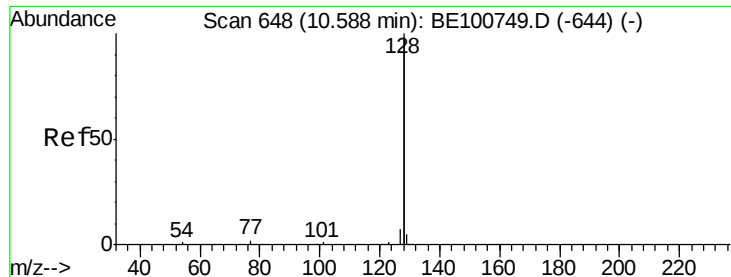


Abundance Ion 82.00 (81.70 to 82.70): BE1

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BE1





#9

Naphthalene

Concen: 0.387 ng

RT: 10.59 min Scan# 648

Delta R.T. -0.00 min

Lab File: BE100760.D

Acq: 22 Nov 2019 15:46

Instrument :

BNA_E

ClientSampleId :

HF-102SMS

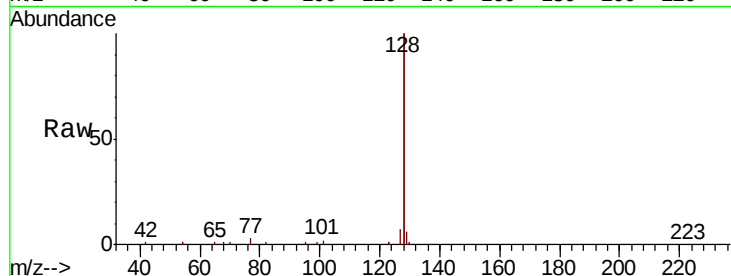
Tot Ion:128 Resp: 94834

Ion Ratio Lower Upper

128 100

129 2.8 2.3 3.5

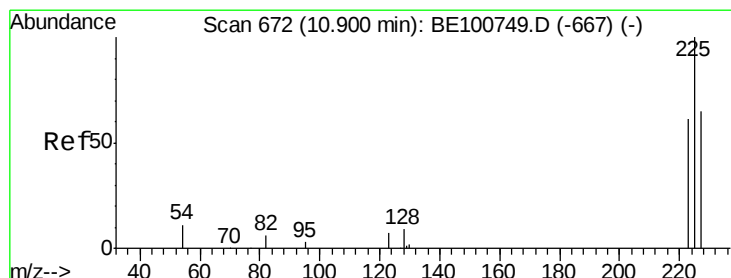
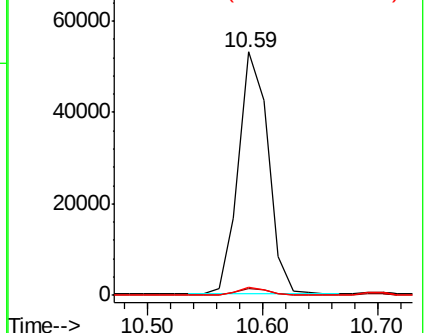
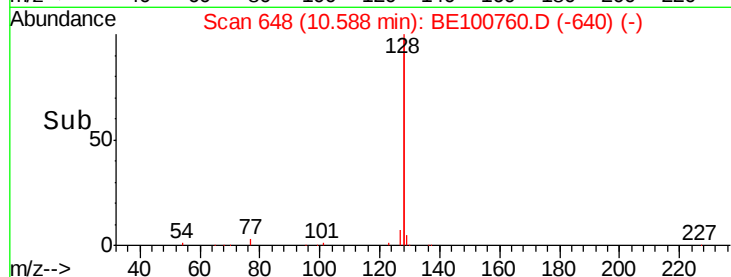
127 3.5 2.7 4.1



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: 0.342 ng

RT: 10.90 min Scan# 672

Delta R.T. -0.00 min

Lab File: BE100760.D

Acq: 22 Nov 2019 15:46

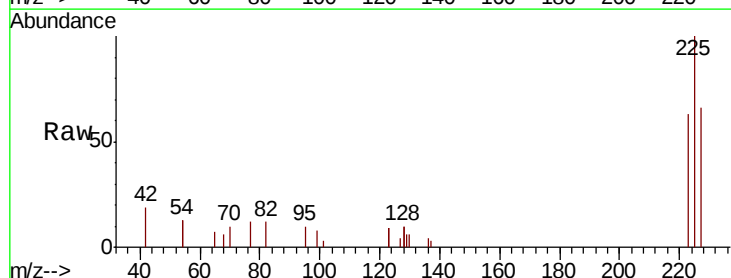
Tgt Ion:225 Resp: 3219

Ion Ratio Lower Upper

225 100

223 62.3 50.6 75.8

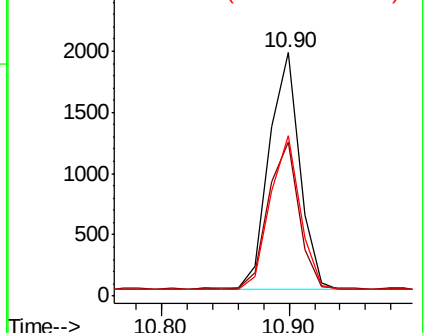
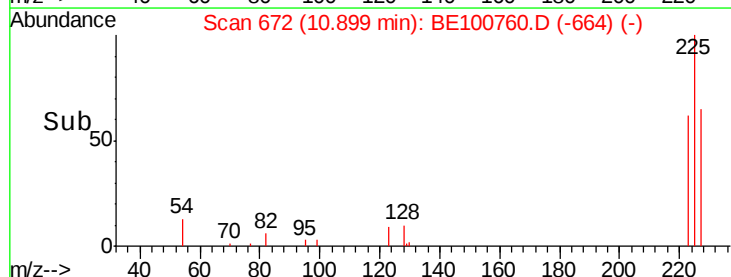
227 64.2 52.0 78.0

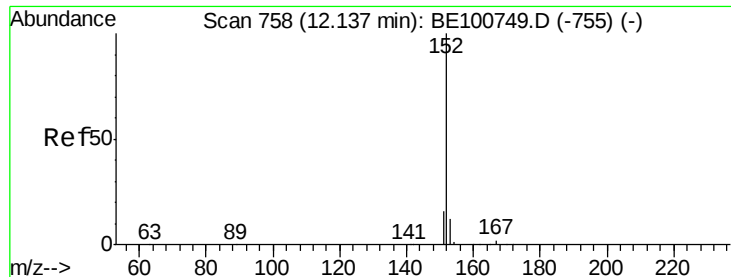


Abundance Ion 225.00 (224.70 to 225.70): E

Ion 223.00 (222.70 to 223.70): E

Ion 227.00 (226.70 to 227.70): E

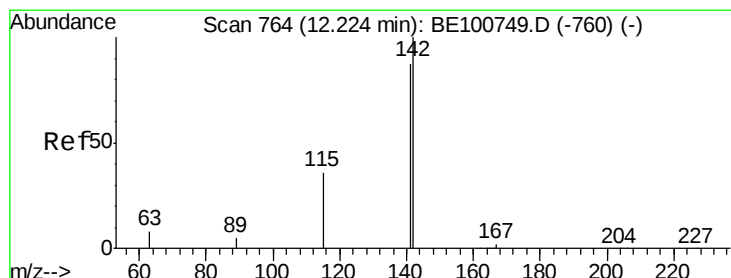
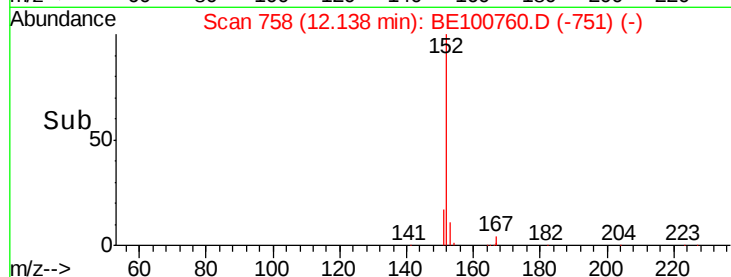
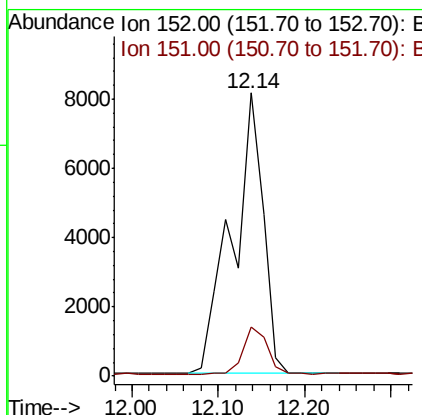
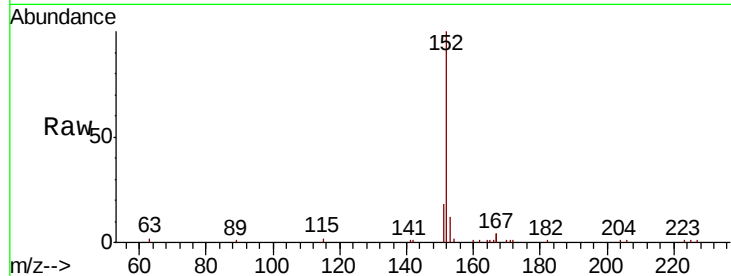




#11
 2-Methylnaphthalene-d10
 Concen: 0.596 ng
 RT: 12.14 min Scan# 758
 Delta R.T. 0.00 min
 Lab File: BE100760.D
 Acq: 22 Nov 2019 15:46

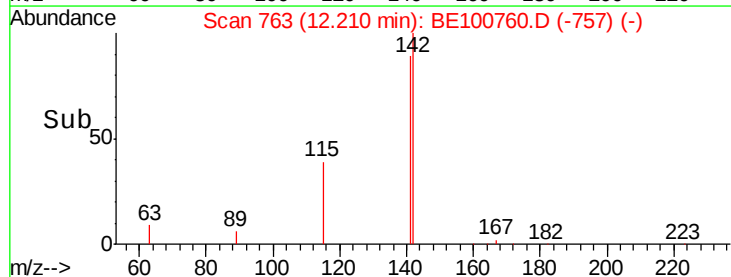
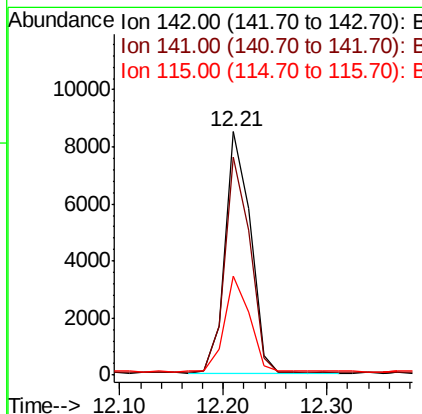
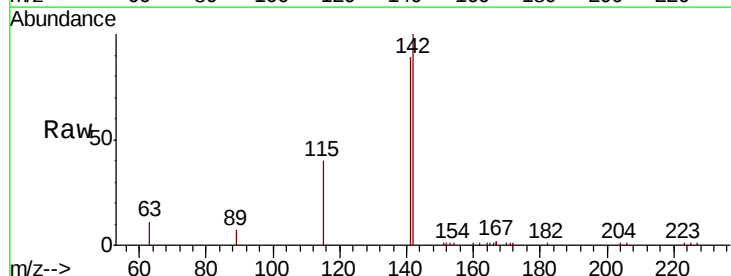
Instrument :
 BNA_E
 ClientSampleId :
 HF-102SMS

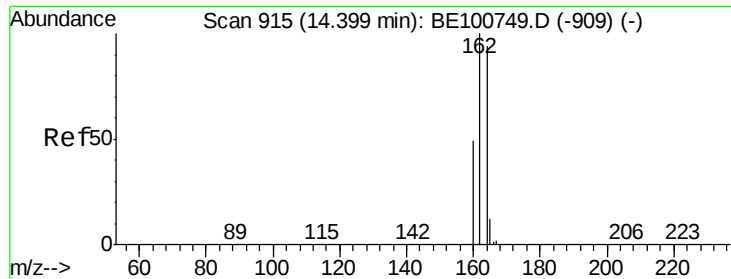
Tot Ion:152 Resp: 20168
 Ion Ratio Lower Upper
 152 100
 151 13.2 15.8 23.8#



#12
 2-Methylnaphthalene
 Concen: 0.371 ng
 RT: 12.21 min Scan# 763
 Delta R.T. -0.01 min
 Lab File: BE100760.D
 Acq: 22 Nov 2019 15:46

Tgt Ion:142 Resp: 14371
 Ion Ratio Lower Upper
 142 100
 141 89.4 69.9 104.9
 115 40.5 29.5 44.3

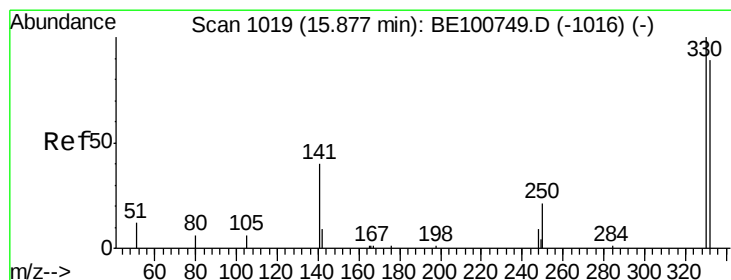
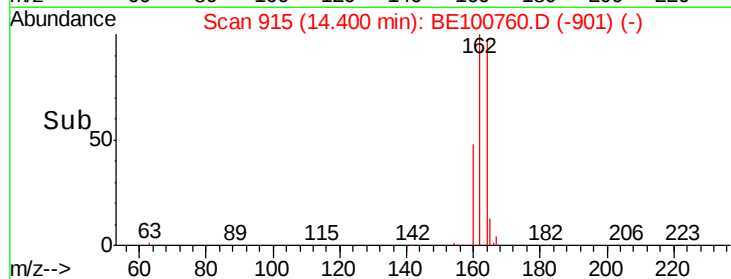
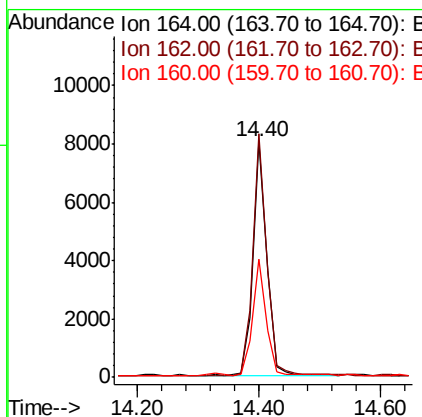
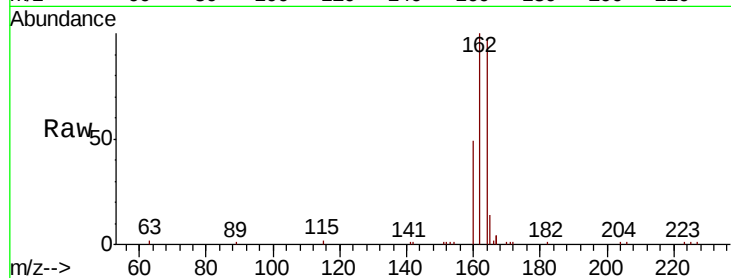




#13
 Acenaphthene-d10
 Concen: 0.400 ng
 RT: 14.40 min Scan# 915
 Delta R.T. 0.00 min
 Lab File: BE100760.D
 Acq: 22 Nov 2019 15:46

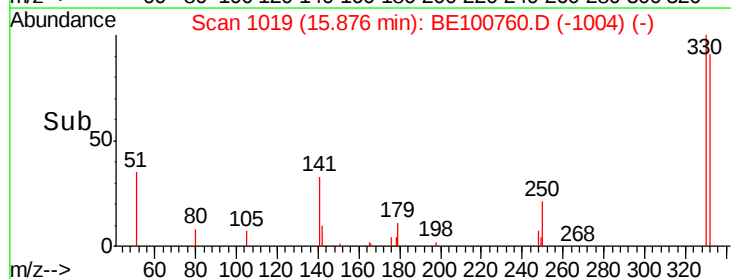
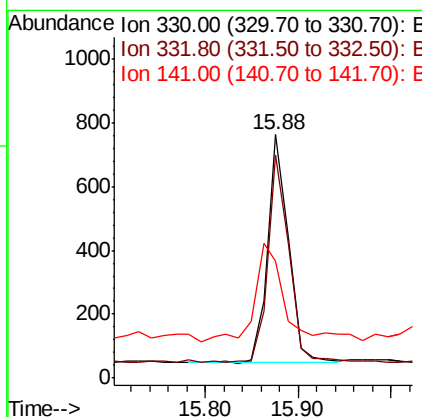
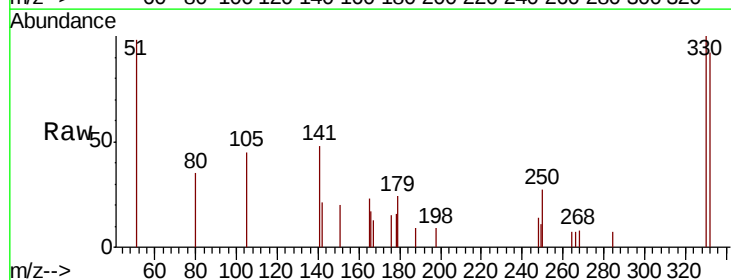
Instrument :
 BNA_E
 ClientSampleId :
 HF-102SMS

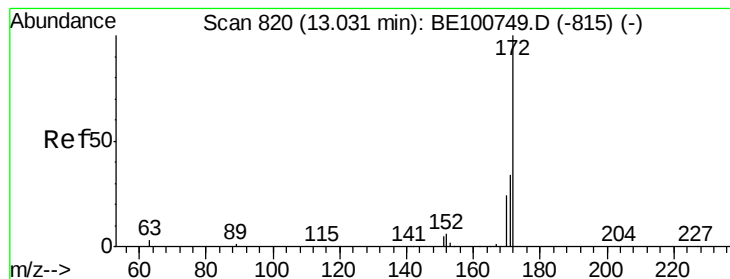
Tot Ion:164 Resp: 12274
 Ion Ratio Lower Upper
 164 100
 162 103.4 84.8 127.2
 160 50.1 42.3 63.5



#14
 2,4,6-Tribromophenol
 Concen: 0.644 ng
 RT: 15.88 min Scan# 1019
 Delta R.T. -0.00 min
 Lab File: BE100760.D
 Acq: 22 Nov 2019 15:46

Tgt Ion:330 Resp: 1115
 Ion Ratio Lower Upper
 330 100
 332 92.1 79.3 118.9
 141 63.1 43.8 65.6





#15

2-Fluorobiphenyl

Concen: 0.386 ng

RT: 13.03 min Scan# 820

Delta R.T. 0.00 min

Lab File: BE100760.D

Acq: 22 Nov 2019 15:46

Instrument :

BNA_E

ClientSampleId :

HF-102SMS

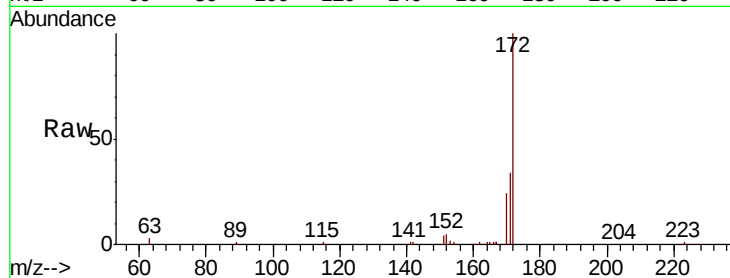
Tot Ion:172 Resp: 18394

Ion Ratio Lower Upper

172 100

171 34.5 27.8 41.6

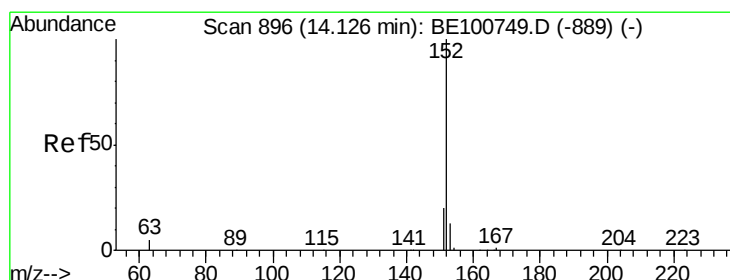
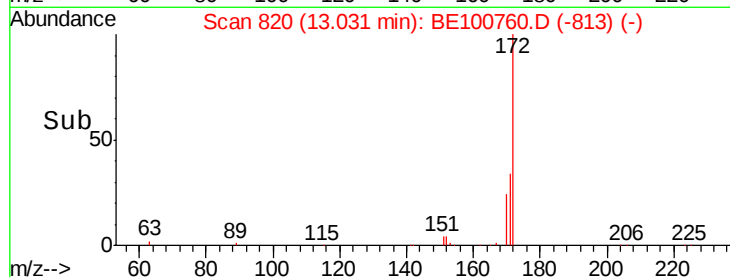
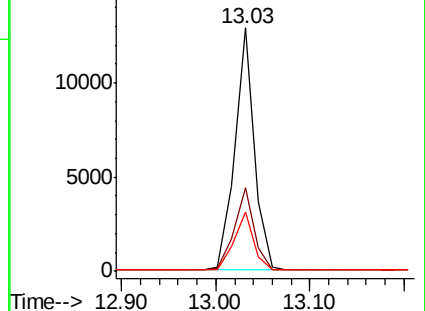
170 24.2 19.4 29.2



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



#16

Acenaphthylene

Concen: 0.363 ng

RT: 14.11 min Scan# 895

Delta R.T. -0.01 min

Lab File: BE100760.D

Acq: 22 Nov 2019 15:46

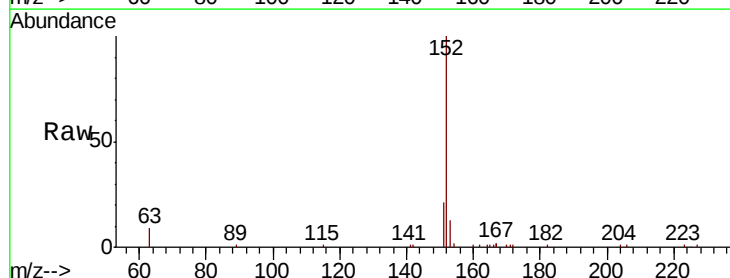
Tgt Ion:152 Resp: 19159

Ion Ratio Lower Upper

152 100

151 19.7 16.2 24.4

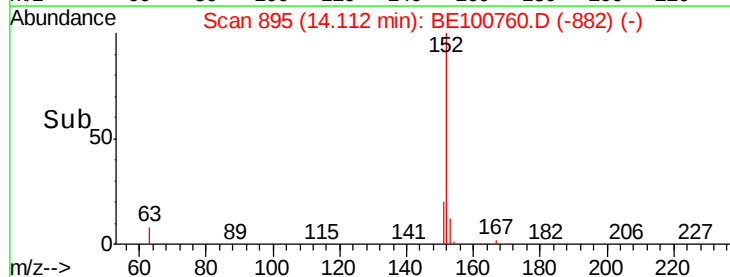
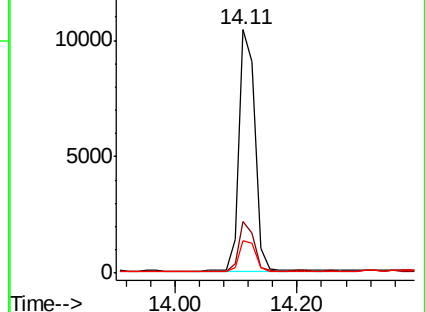
153 13.4 10.6 15.8

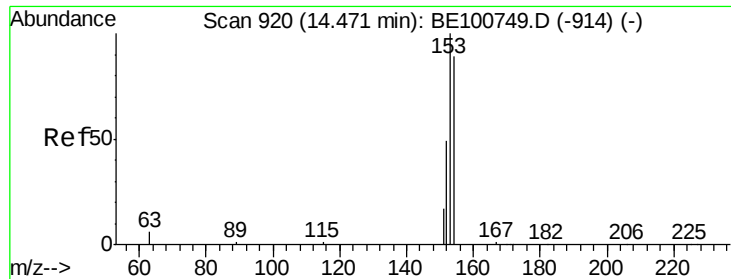


Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E

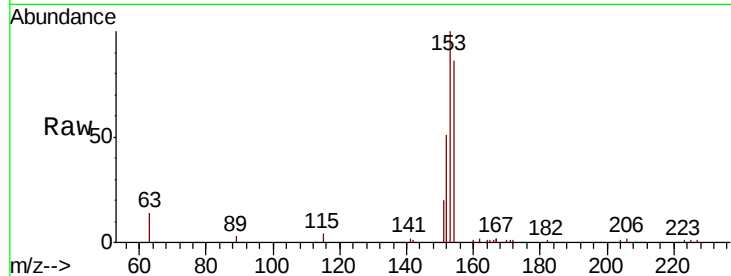




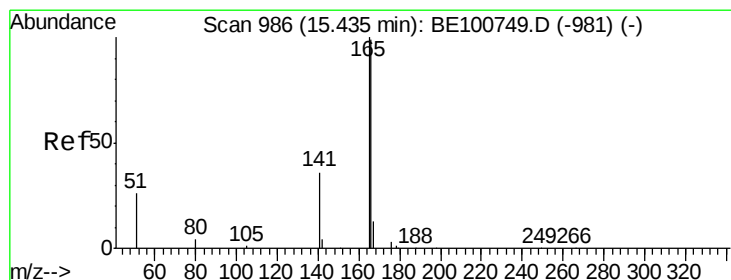
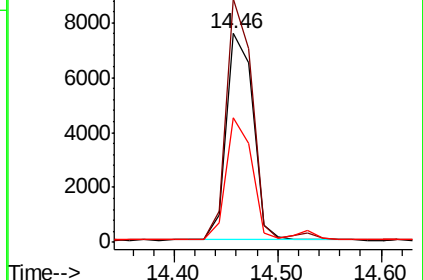
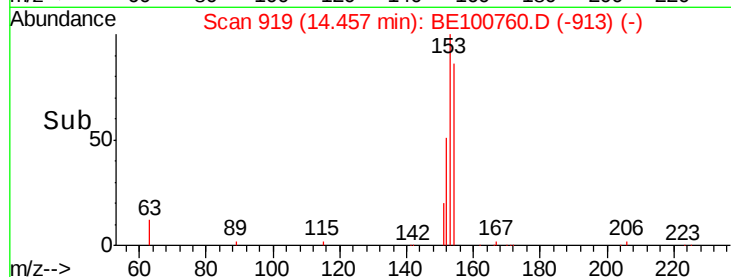
#17
Acenaphthene
Concen: 0.381 ng
RT: 14.46 min Scan# 919
Delta R.T. -0.01 min
Lab File: BE100760.D
Acq: 22 Nov 2019 15:46

Instrument :
BNA_E
ClientSampleId :
HF-102SMS

Tot Ion:154 Resp: 13505
Ion Ratio Lower Upper
154 100
153 112.3 91.6 137.4
152 57.2 47.0 70.6

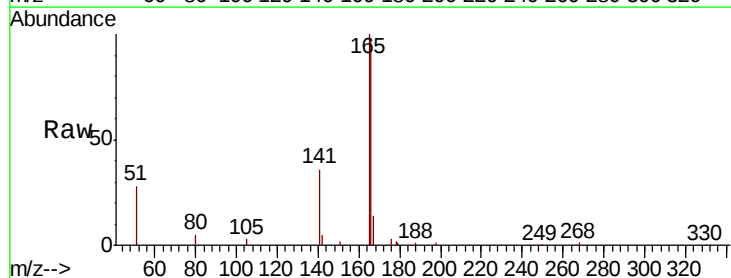


Abundance Ion 154.00 (153.70 to 154.70): E
Ion 153.00 (152.70 to 153.70): E
Ion 152.00 (151.70 to 152.70): E

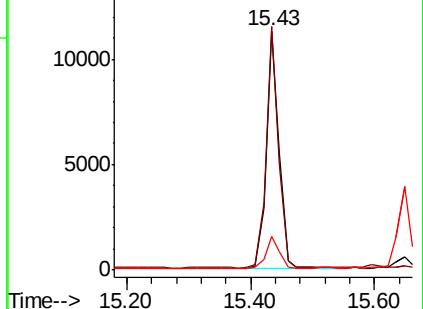
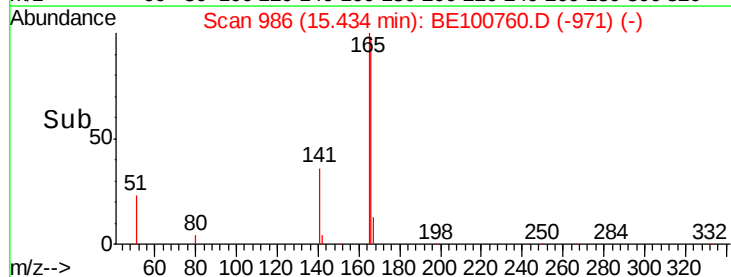


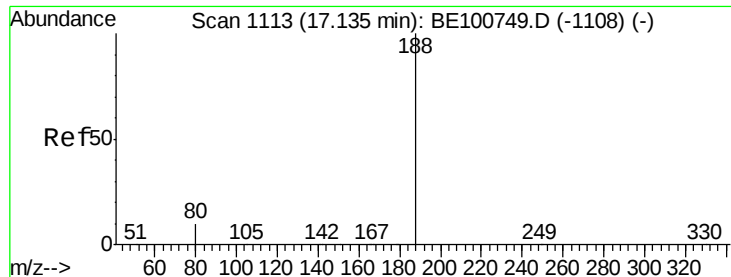
#18
Fluorene
Concen: 0.360 ng
RT: 15.43 min Scan# 986
Delta R.T. -0.00 min
Lab File: BE100760.D
Acq: 22 Nov 2019 15:46

Tgt Ion:166 Resp: 16280
Ion Ratio Lower Upper
166 100
165 98.9 80.2 120.4
167 14.4 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

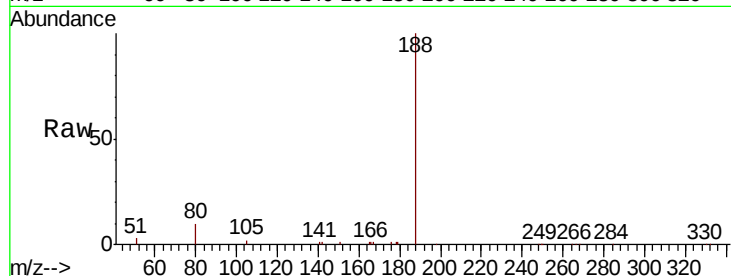




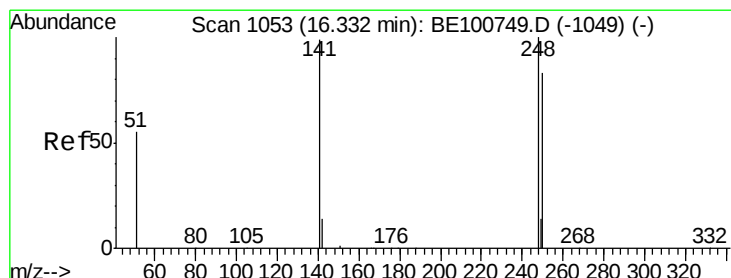
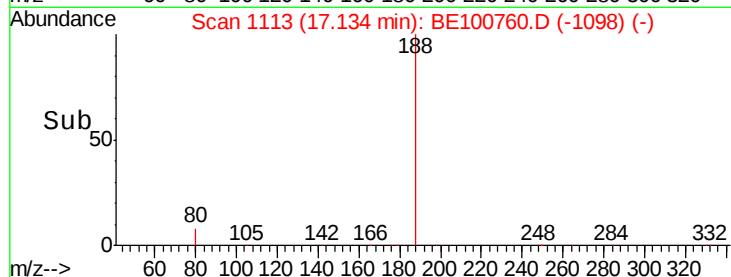
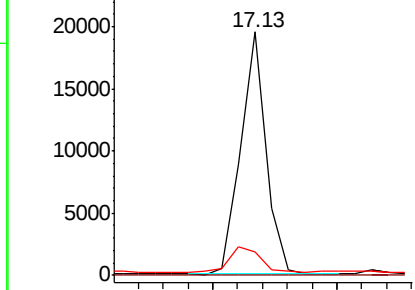
#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.13 min Scan# 1113
Delta R.T. -0.00 min
Lab File: BE100760.D
Acq: 22 Nov 2019 15:46

Instrument :
BNA_E
ClientSampleId :
HF-102SMS

Tot Ion:188 Resp: 27666
Ion Ratio Lower Upper
188 100
94 0.0 0.0 0.0
80 9.7 8.2 12.2

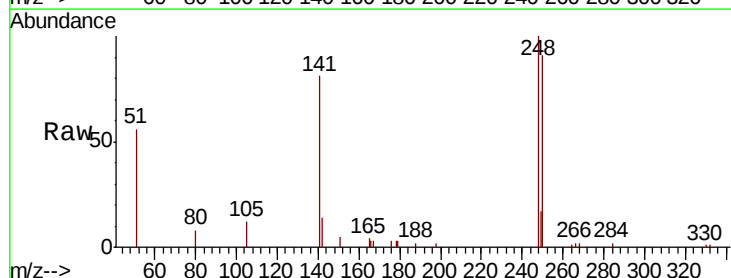


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BE1
Ion 80.00 (79.70 to 80.70): BE1

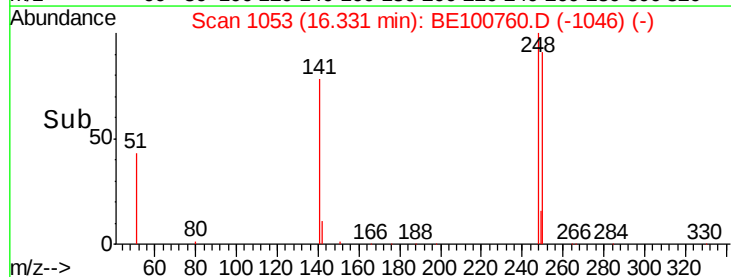
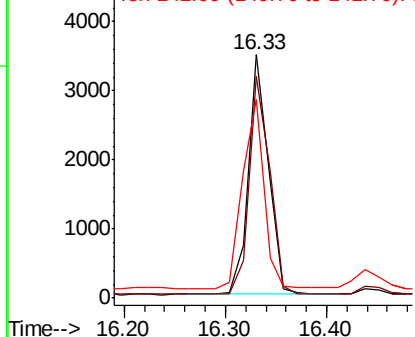


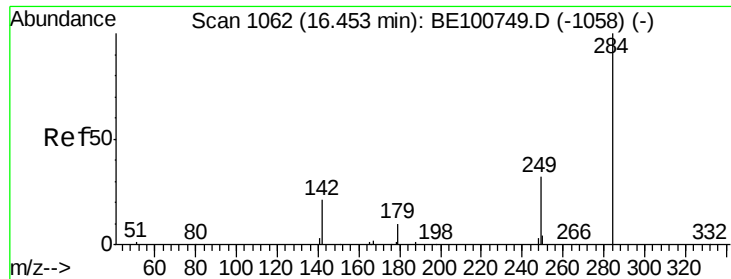
#20
4-Bromophenyl-phenylether
Concen: 0.351 ng
RT: 16.33 min Scan# 1053
Delta R.T. -0.00 min
Lab File: BE100760.D
Acq: 22 Nov 2019 15:46

Tgt Ion:248 Resp: 4777
Ion Ratio Lower Upper
248 100
250 91.0 66.3 99.5
141 81.4 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: 0.325 ng

RT: 16.45 min Scan# 1062

Delta R.T. -0.00 min

Lab File: BE100760.D

Acq: 22 Nov 2019 15:46

Instrument :

BNA_E

ClientSampleId :

HF-102SMS

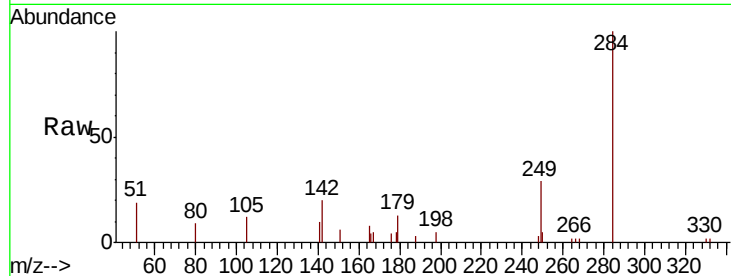
Tot Ion:284 Resp: 4624

Ion Ratio Lower Upper

284 100

142 43.2 34.9 52.3

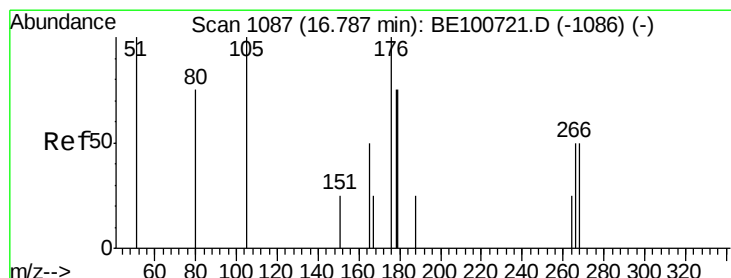
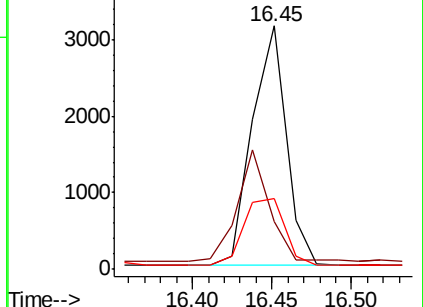
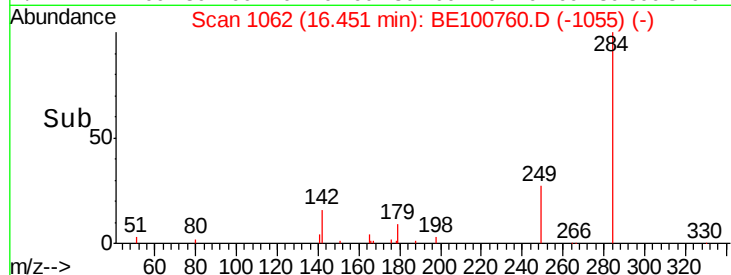
249 33.1 28.7 43.1



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: 1.127 ng

RT: 16.79 min Scan# 1087

Delta R.T. -0.00 min

Lab File: BE100760.D

Acq: 22 Nov 2019 15:46

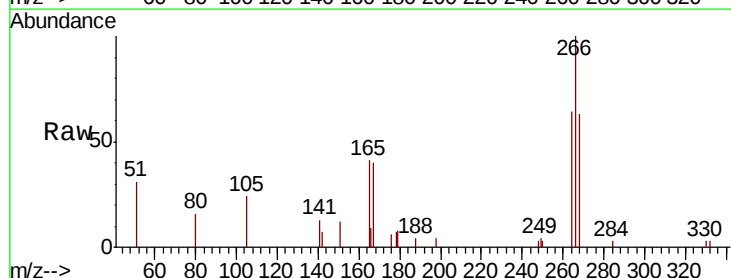
Tgt Ion:266 Resp: 2625

Ion Ratio Lower Upper

266 100

264 63.8 54.6 82.0

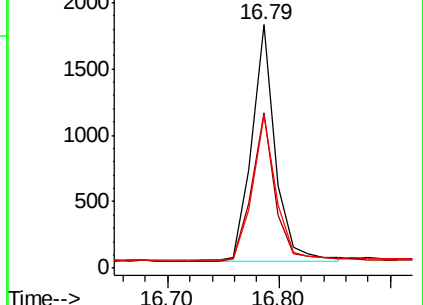
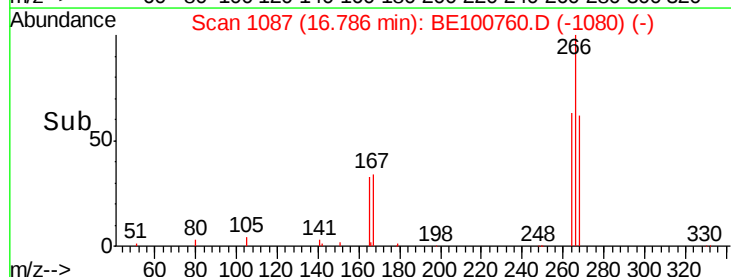
268 63.0 52.6 78.8

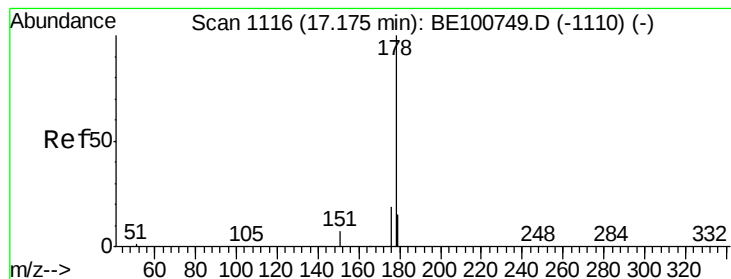


Abundance Ion 266.00 (265.70 to 266.70): E

Ion 264.00 (263.70 to 264.70): E

Ion 268.00 (267.70 to 268.70): E





#23

Phenanthrene

Concen: 0.366 ng

RT: 17.17 min Scan# 1116

Delta R.T. -0.00 min

Lab File: BE100760.D

Acq: 22 Nov 2019 15:46

Instrument :

BNA_E

ClientSampleId :

HF-102SMS

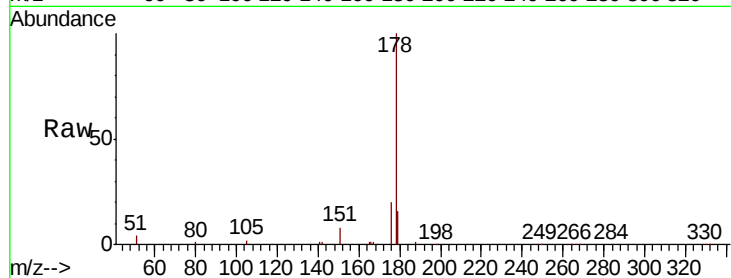
Tot Ion:178 Resp: 30523

Ion Ratio Lower Upper

178 100

176 19.7 15.3 22.9

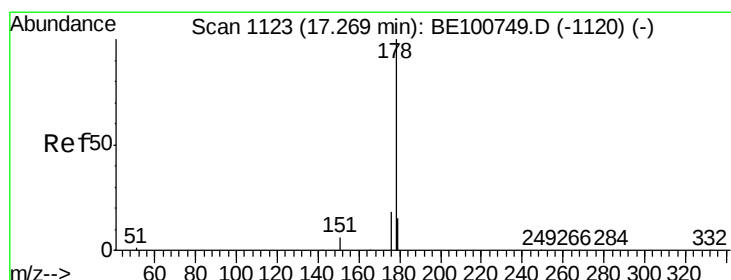
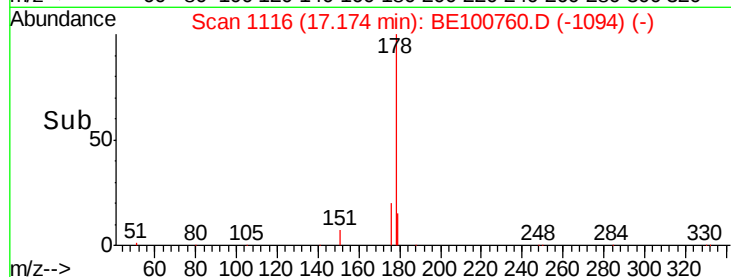
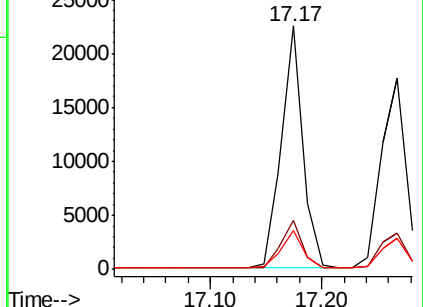
179 15.5 12.5 18.7



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: 0.379 ng

RT: 17.27 min Scan# 1123

Delta R.T. -0.00 min

Lab File: BE100760.D

Acq: 22 Nov 2019 15:46

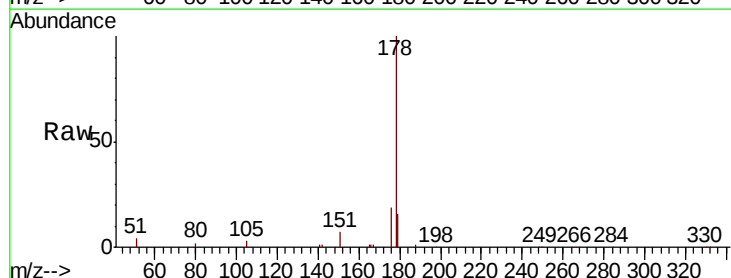
Tgt Ion:178 Resp: 27240

Ion Ratio Lower Upper

178 100

176 19.1 14.9 22.3

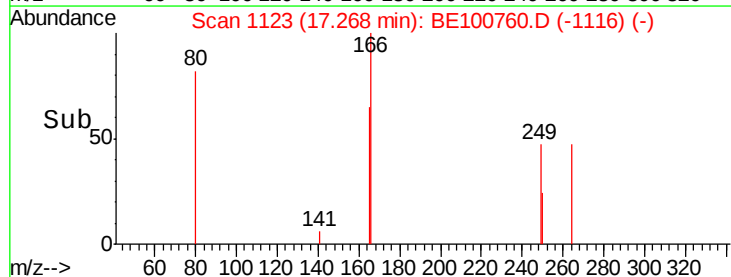
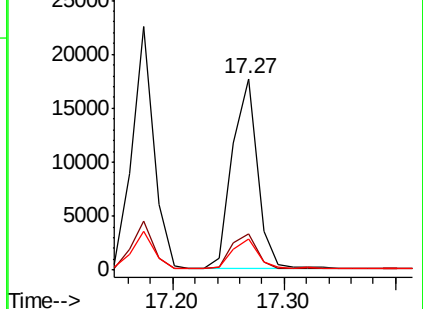
179 15.5 12.2 18.4

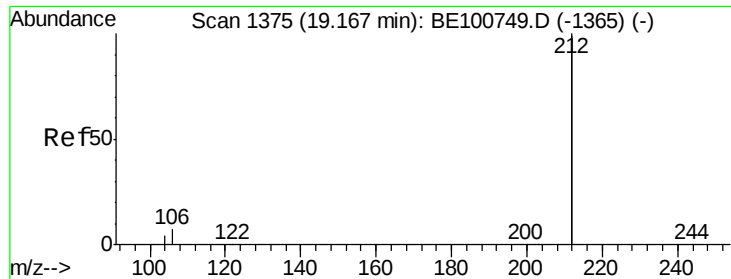


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E

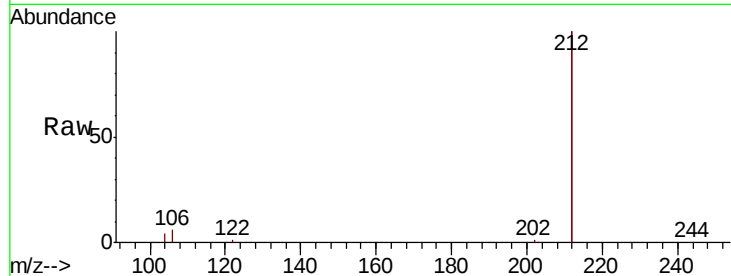




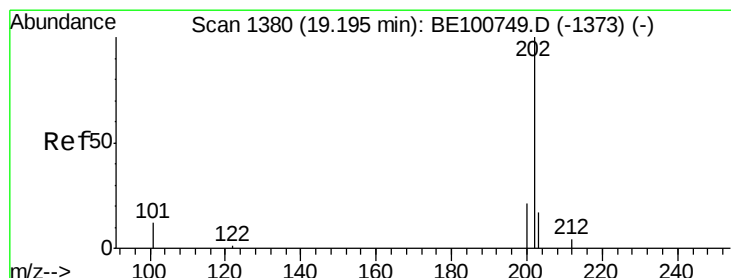
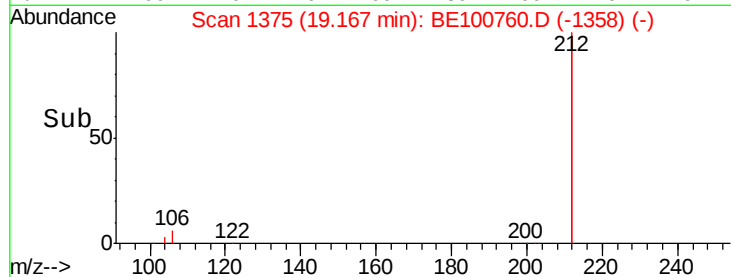
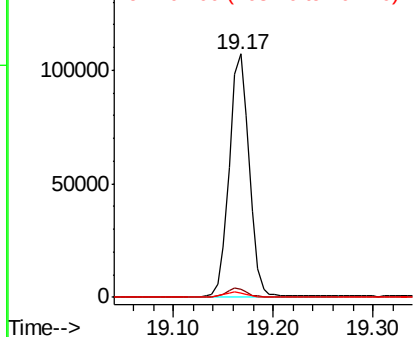
#25
 Fluoranthene-d10
 Concen: 0.435 ng
 RT: 19.17 min Scan# 1375
 Delta R.T. 0.00 min
 Lab File: BE100760.D
 Acq: 22 Nov 2019 15:46

Instrument :
 BNA_E
 ClientSampleId :
 HF-102SMS

Tot Ion:212 Resp: 147202
 Ion Ratio Lower Upper
 212 100
 106 3.4 2.6 4.0
 104 1.9 1.5 2.3

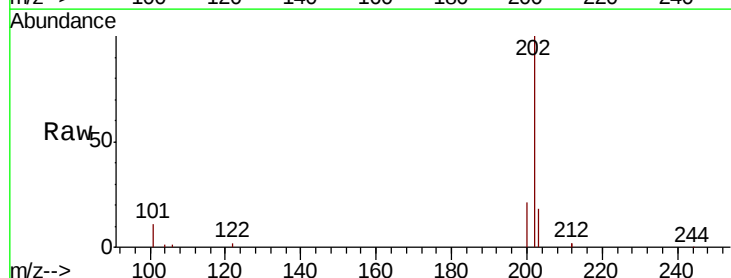


Abundance Ion 212.00 (211.70 to 212.70): E
 Ion 106.00 (105.70 to 106.70): E
 Ion 104.00 (103.70 to 104.70): E

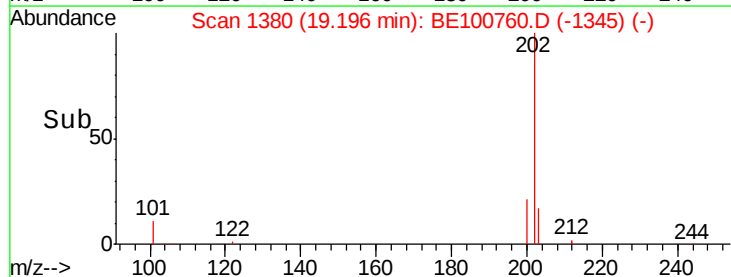
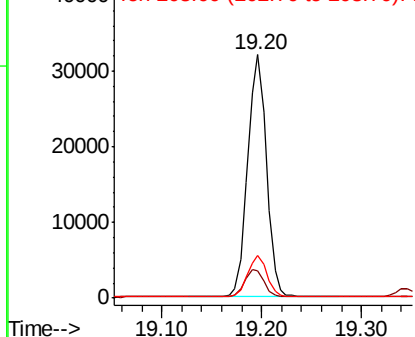


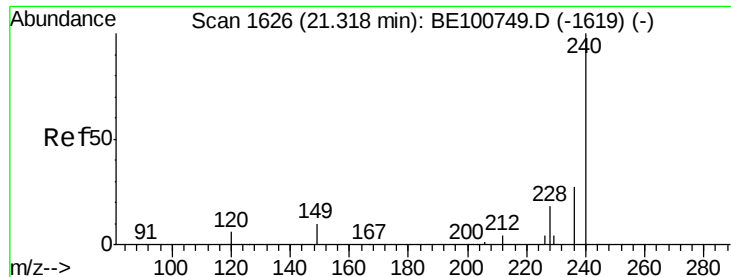
#26
 Fluoranthene
 Concen: 0.413 ng
 RT: 19.20 min Scan# 1380
 Delta R.T. 0.00 min
 Lab File: BE100760.D
 Acq: 22 Nov 2019 15:46

Tgt Ion:202 Resp: 42129
 Ion Ratio Lower Upper
 202 100
 101 12.2 9.2 13.8
 203 17.3 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# 1626

Delta R.T. 0.00 min

Lab File: BE100760.D

Acq: 22 Nov 2019 15:46

Instrument :

BNA_E

ClientSampleId :

HF-102SMS

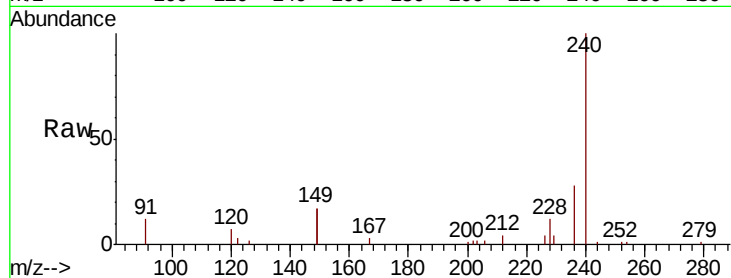
Tot Ion:240 Resp: 34782

Ion Ratio Lower Upper

240 100

120 6.8 5.8 8.8

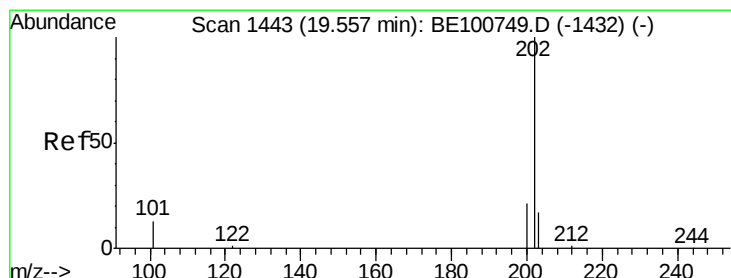
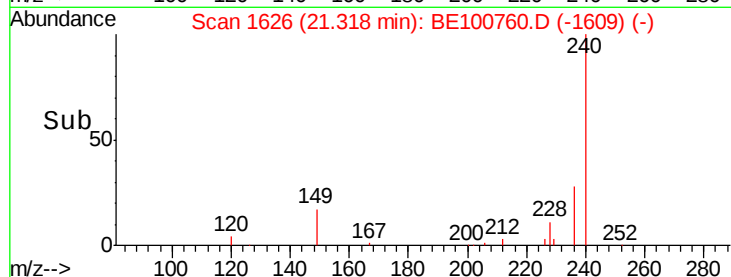
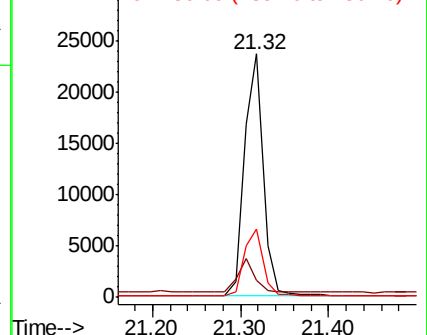
236 28.0 21.9 32.9



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: 0.415 ng

RT: 19.56 min Scan# 1443

Delta R.T. 0.00 min

Lab File: BE100760.D

Acq: 22 Nov 2019 15:46

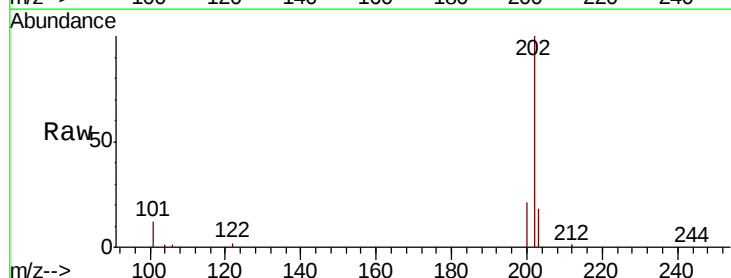
Tgt Ion:202 Resp: 44712

Ion Ratio Lower Upper

202 100

200 21.1 16.6 24.8

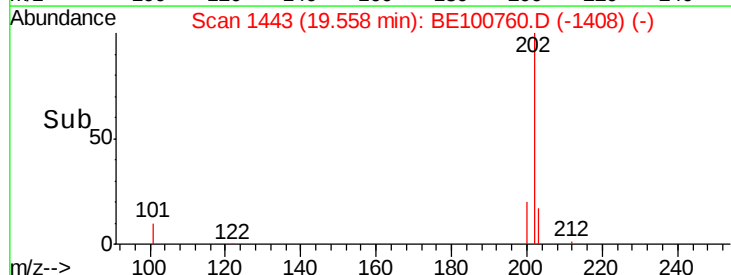
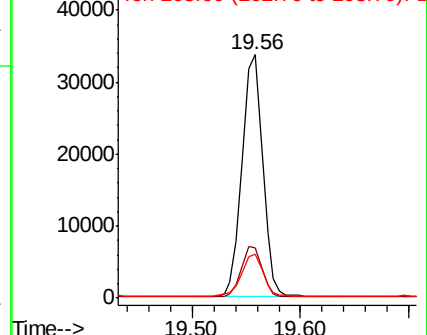
203 18.3 14.0 21.0

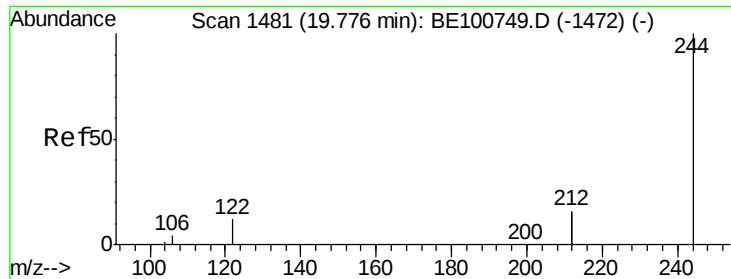


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#29

Terphenyl-d14

Concen: 0.445 ng

RT: 19.77 min Scan# 1480

Delta R.T. -0.01 min

Lab File: BE100760.D

Acq: 22 Nov 2019 15:46

Instrument :

BNA_E

ClientSampleId :

HF-102SMS

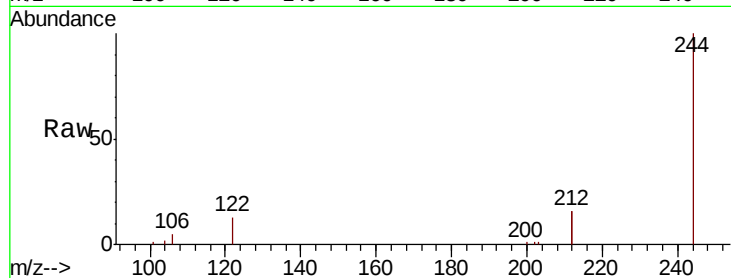
Tot Ion:244 Resp: 35620

Ion Ratio Lower Upper

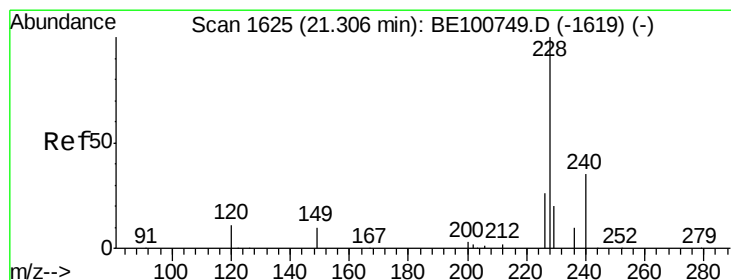
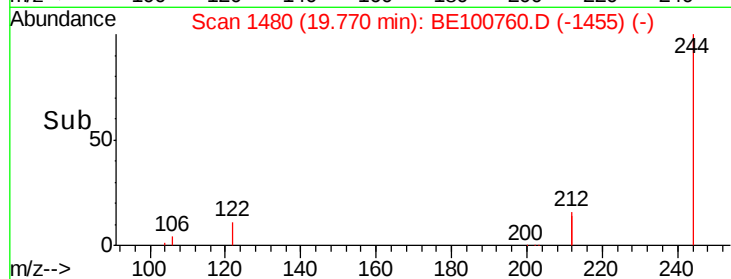
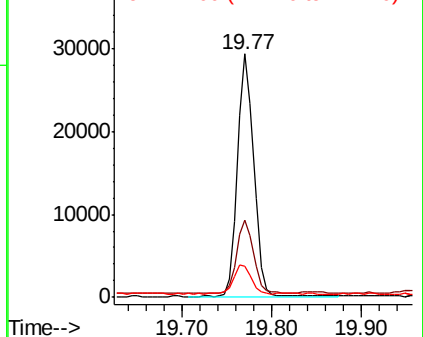
244 100

212 31.6 25.2 37.8

122 12.9 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: 0.408 ng

RT: 21.29 min Scan# 1624

Delta R.T. -0.01 min

Lab File: BE100760.D

Acq: 22 Nov 2019 15:46

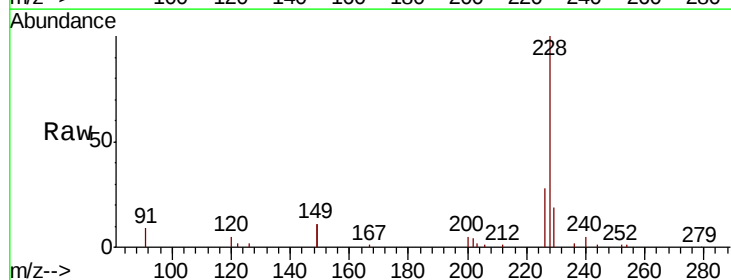
Tgt Ion:228 Resp: 47868

Ion Ratio Lower Upper

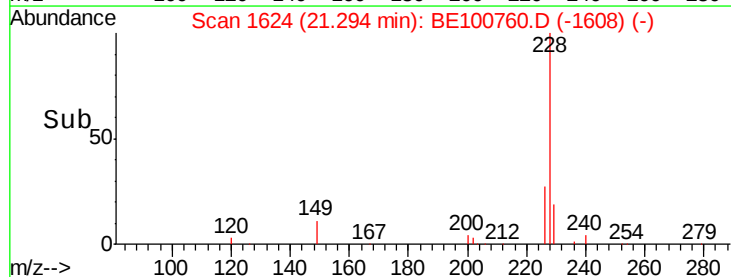
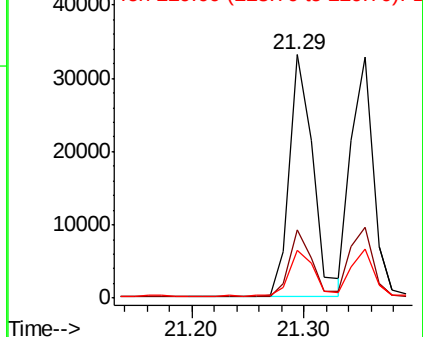
228 100

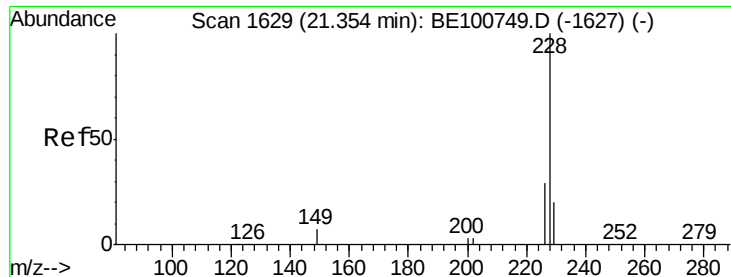
226 27.9 20.7 31.1

229 19.5 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: 0.376 ng

RT: 21.35 min Scan# 1629

Delta R.T. 0.00 min

Lab File: BE100760.D

Acq: 22 Nov 2019 15:46

Instrument :

BNA_E

ClientSampleId :

HF-102SMS

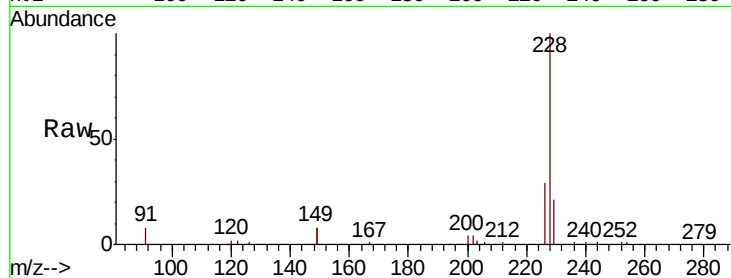
Tot Ion:228 Resp: 44835

Ion Ratio Lower Upper

228 100

226 29.5 23.8 35.6

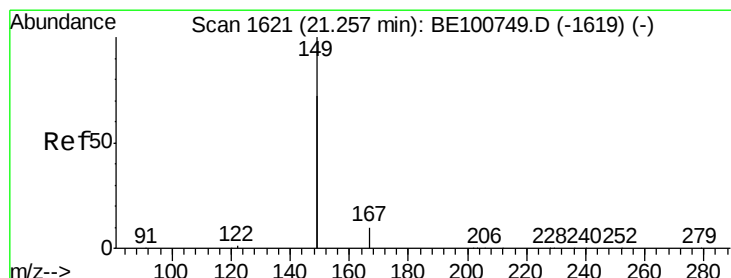
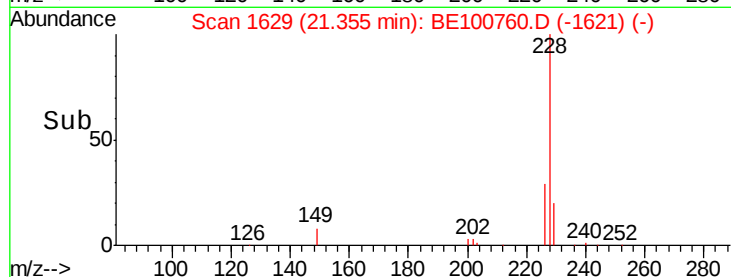
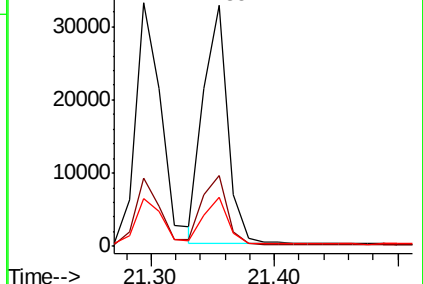
229 20.6 15.9 23.9



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: 1.167 ng

RT: 21.26 min Scan# 1621

Delta R.T. 0.00 min

Lab File: BE100760.D

Acq: 22 Nov 2019 15:46

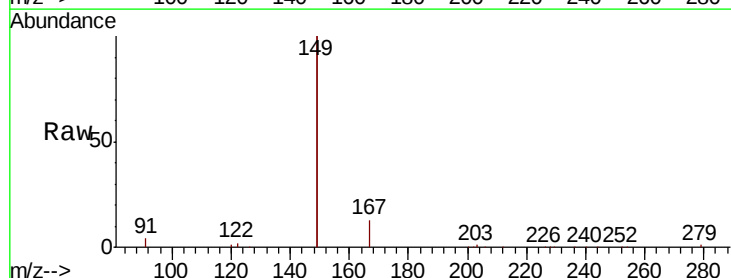
Tgt Ion:149 Resp: 187262

Ion Ratio Lower Upper

149 100

167 6.1 5.5 8.3

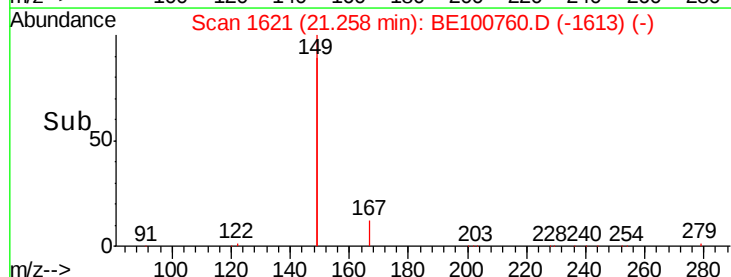
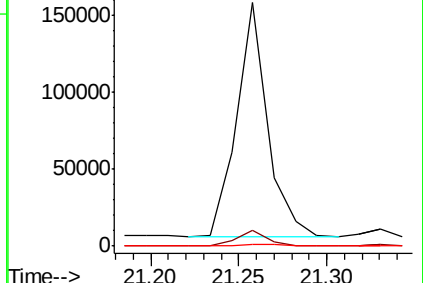
279 0.8 0.7 1.1

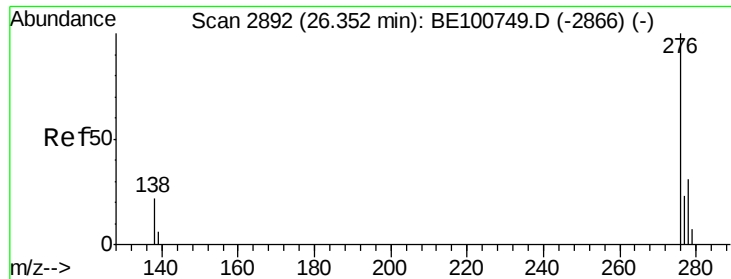


Abundance Ion 149.00 (148.70 to 149.70): E

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: 0.366 ng

RT: 26.35 min Scan# 2892

Delta R.T. 0.00 min

Lab File: BE100760.D

Acq: 22 Nov 2019 15:46

Instrument :

BNA_E

ClientSampleId :

HF-102SMS

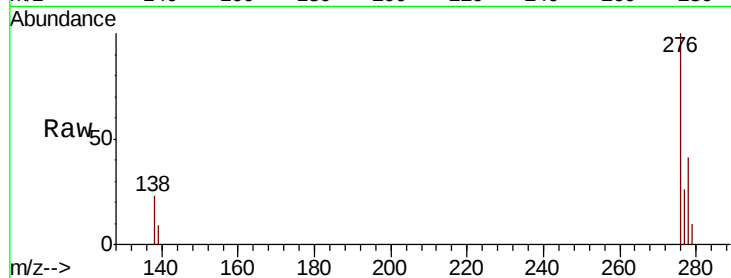
Tot Ion:276 Resp: 40049

Ion Ratio Lower Upper

276 100

138 24.1 19.8 29.6

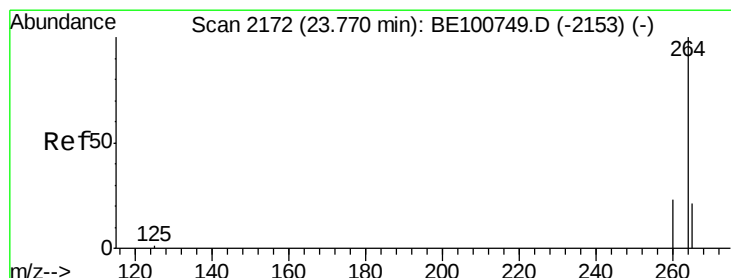
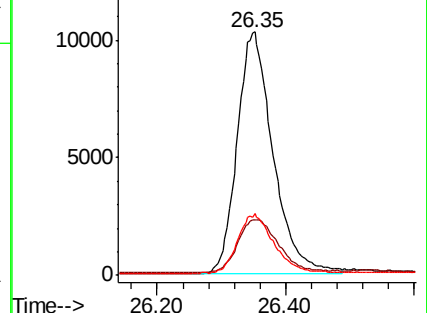
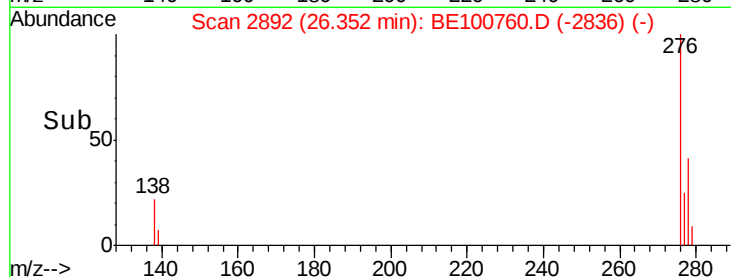
277 24.3 19.7 29.5



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# 2172

Delta R.T. -0.00 min

Lab File: BE100760.D

Acq: 22 Nov 2019 15:46

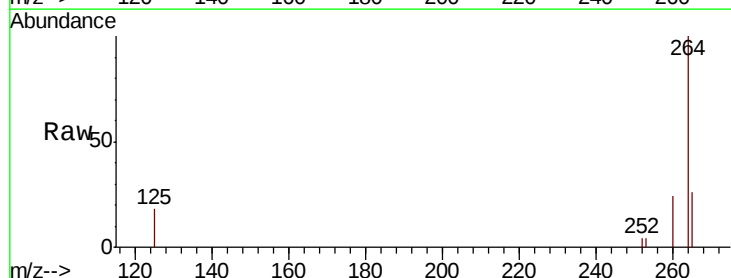
Tgt Ion:264 Resp: 41113

Ion Ratio Lower Upper

264 100

260 23.5 18.7 28.1

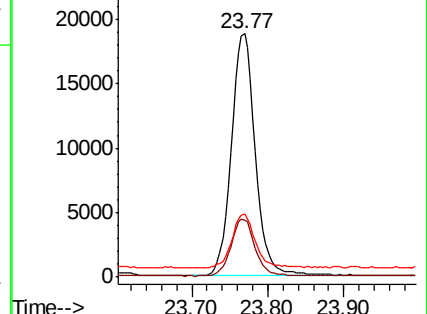
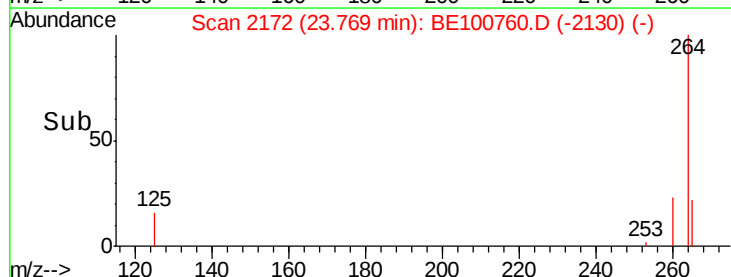
265 25.9 22.4 33.6

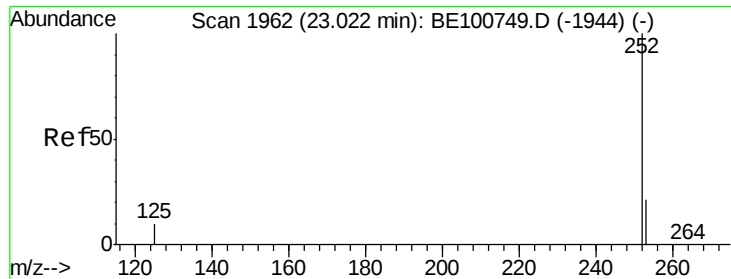


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E

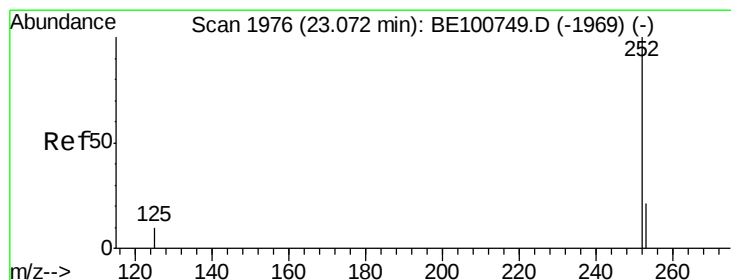
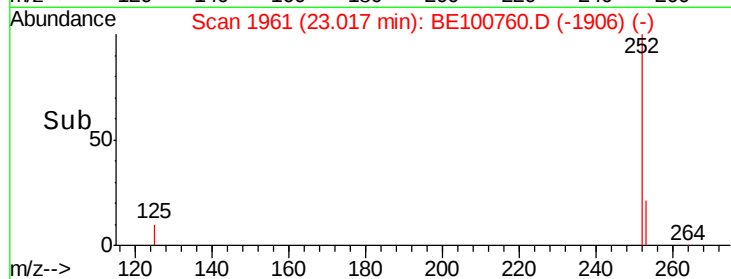
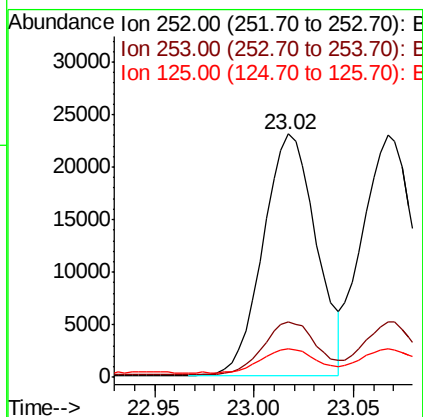
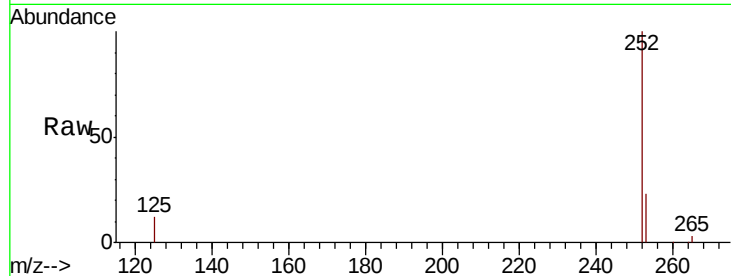




#35
Benzo(b)fluoranthene
Concen: 0.328 ng
RT: 23.02 min Scan# 1961
Delta R.T. -0.00 min
Lab File: BE100760.D
Acq: 22 Nov 2019 15:46

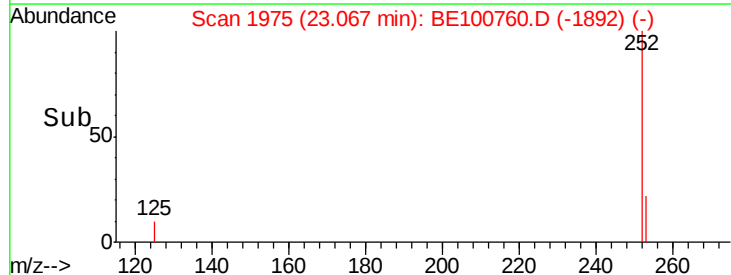
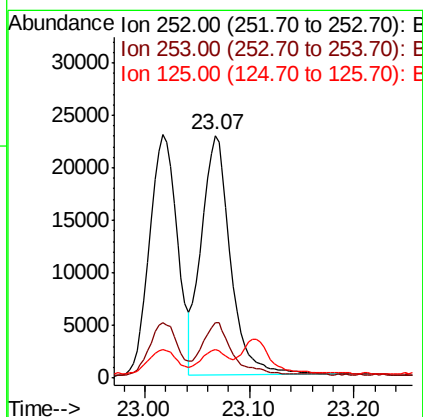
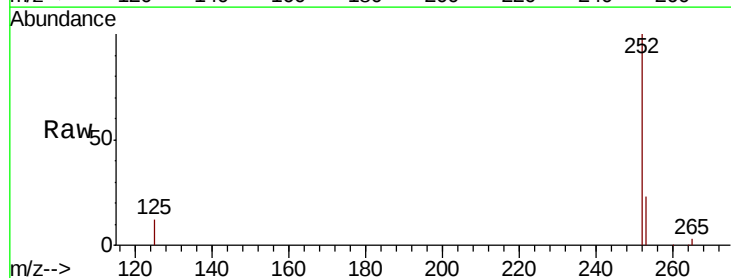
Instrument :
BNA_E
ClientSampleId :
HF-102SMS

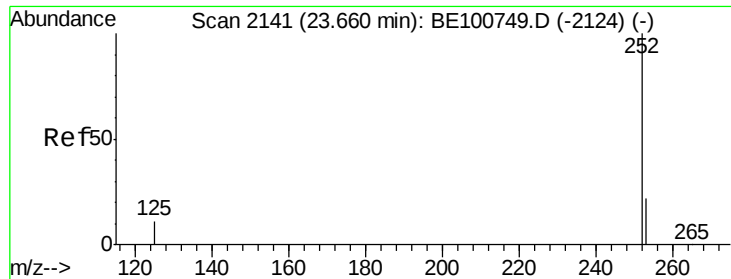
Tot Ion:252 Resp: 42326
Ion Ratio Lower Upper
252 100
253 22.6 17.5 26.3
125 11.5 9.1 13.7



#36
Benzo(k)fluoranthene
Concen: 0.331 ng
RT: 23.07 min Scan# 1975
Delta R.T. -0.00 min
Lab File: BE100760.D
Acq: 22 Nov 2019 15:46

Tgt Ion:252 Resp: 44523
Ion Ratio Lower Upper
252 100
253 23.1 17.8 26.6
125 11.7 9.0 13.4





#37

Benzo(a)pyrene

Concen: 0.347 ng

RT: 23.65 min Scan# 2140

Delta R.T. -0.00 min

Lab File: BE100760.D

Acq: 22 Nov 2019 15:46

Instrument :

BNA_E

ClientSampleId :

HF-102SMS

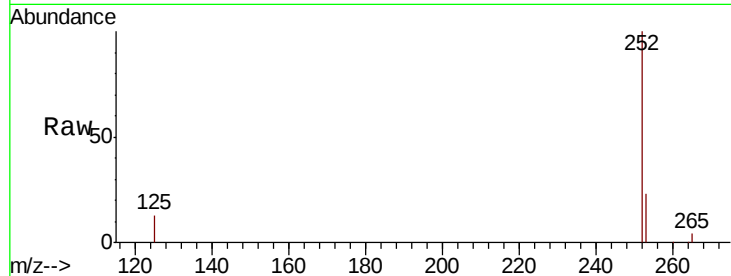
Tot Ion:252 Resp: 39423

Ion Ratio Lower Upper

252 100

253 22.9 18.3 27.5

125 12.8 10.5 15.7

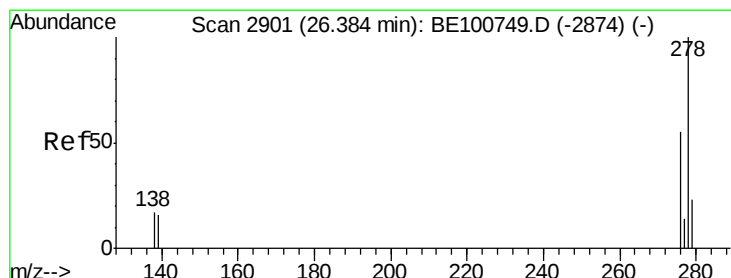
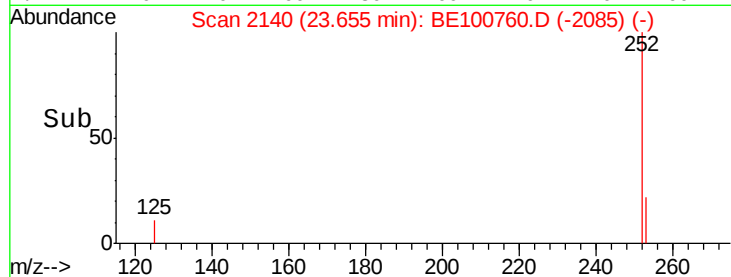
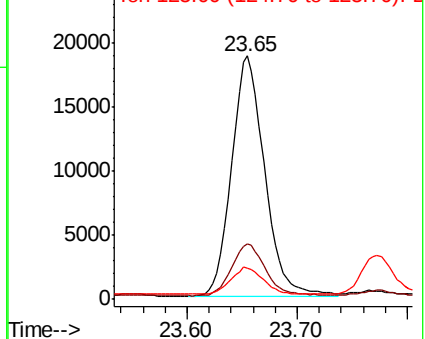


Abundance

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: 0.270 ng

RT: 26.38 min Scan# 2899

Delta R.T. -0.01 min

Lab File: BE100760.D

Acq: 22 Nov 2019 15:46

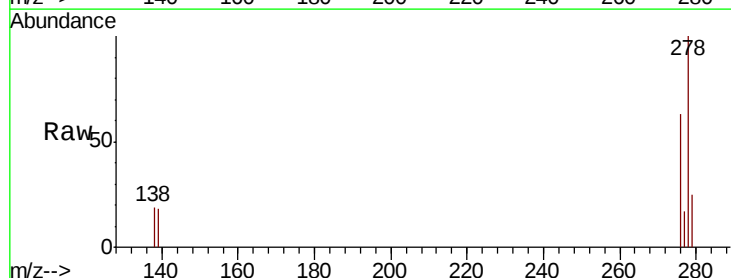
Tgt Ion:278 Resp: 32348

Ion Ratio Lower Upper

278 100

139 17.6 13.2 19.8

279 25.2 19.4 29.2

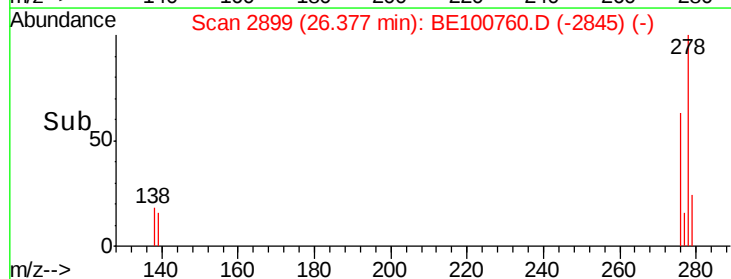
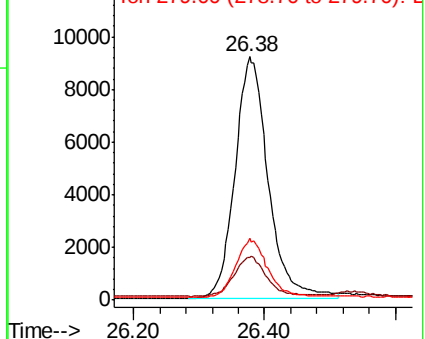


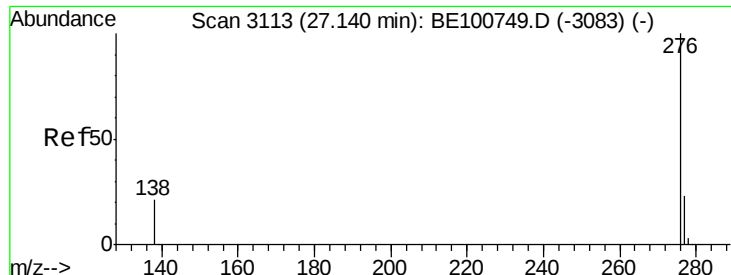
Abundance

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(a,h,i)perylene

Concen: 0.316 ng

RT: 27.14 min Scan# 3113

Delta R.T. 0.00 min

Lab File: BE100760.D

Acq: 22 Nov 2019 15:46

Instrument :

BNA_E

ClientSampleId :

HF-102SMS

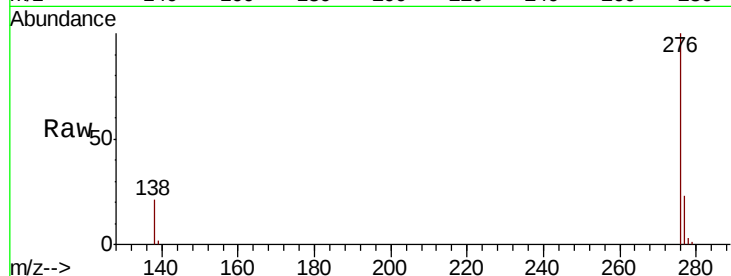
Tot Ion: 276 Resp: 35360

Ion Ratio Lower Upper

276 100

277 23.4 18.9 28.3

138 21.5 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

