

Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE112219\
 Data File : BE100767.D
 Acq On : 22 Nov 2019 20:47
 Operator : JU
 Sample : K5969-04
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 HF-608D

Quant Time: Nov 23 04:25:30 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	5736	0.40	ng	0.00
7) Naphthalene-d8	10.55	136	25028	0.40	ng	0.00
13) Acenaphthene-d10	14.40	164	14230	0.40	ng	0.00
19) Phenanthrene-d10	17.13	188	34025	0.40	ng	0.00
27) Chrysene-d12	21.32	240	36029	0.40	ng	0.00
34) Perylene-d12	23.77	264	40282	0.40	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Fluorophenol	5.38	112	2881	0.19	ng	0.00
5) Phenol-d6	6.93	99	3507	0.16	ng	0.00
8) Nitrobenzene-d5	8.90	82	5961	0.74	ng	0.00
11) 2-Methylnaphthalene-d10	12.14	152	13922	0.38	ng	0.00
14) 2,4,6-Tribromophenol	15.88	330	1186	0.59	ng	0.00
15) 2-Fluorobiphenyl	13.03	172	21449	0.39	ng	0.00
25) Fluoranthene-d10	19.17	212	173748	0.42	ng	0.00
29) Terphenyl-d14	19.77	244	36866	0.44	ng	0.00

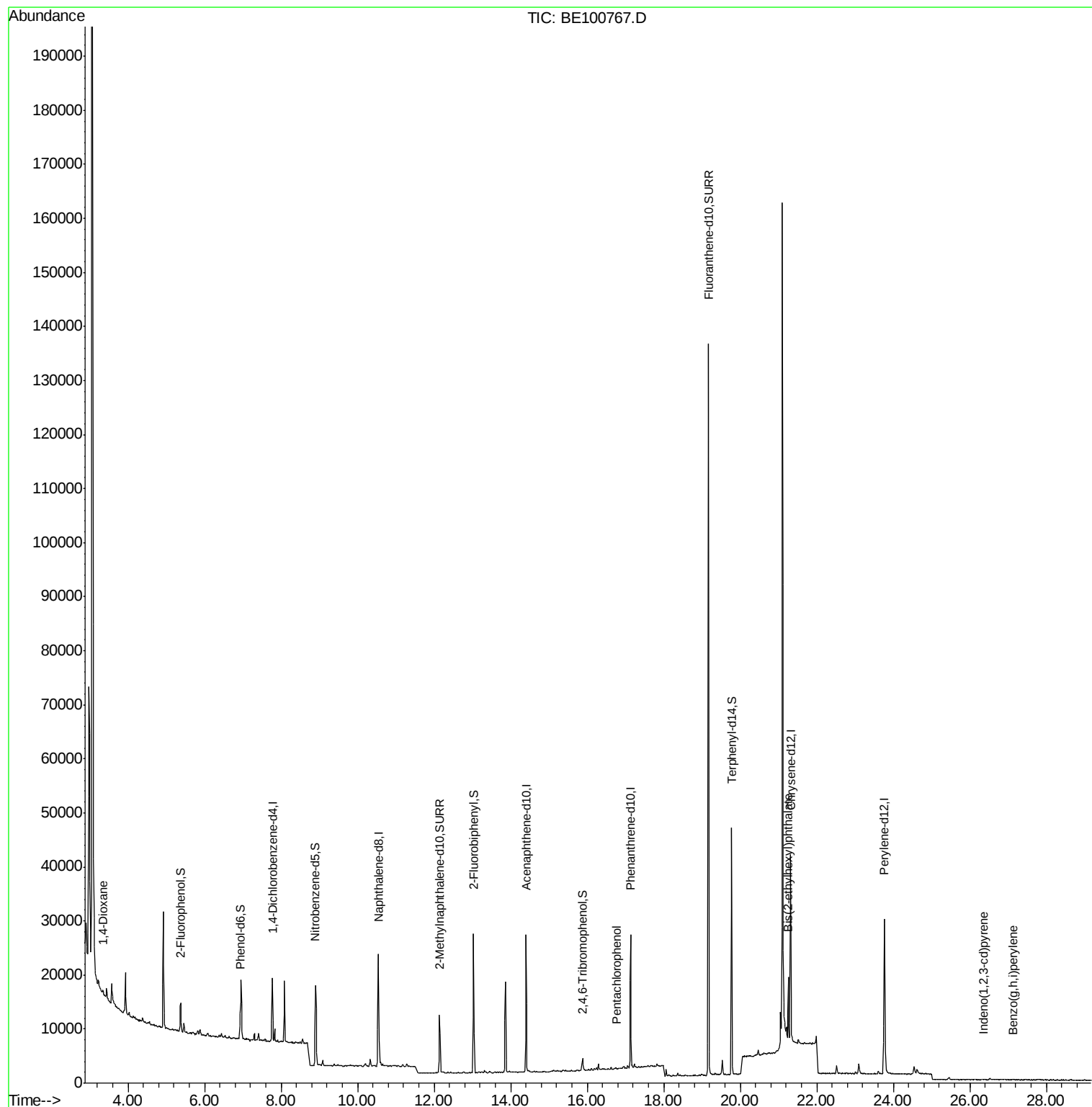
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) 1,4-Dioxane	3.34	88	688	0.064	ng	# 62
22) Pentachlorophenol	16.77	266	26	0.063	ng	# 70
32) Bis(2-ethylhexyl)phthalate	21.26	149	13637	0.031	ng	99
33) Indeno(1,2,3-cd)pyrene	26.35	276	165	0.038	ng	# 71
39) Benzo(g,h,i)perylene	27.13	276	98	0.022	ng	# 1

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

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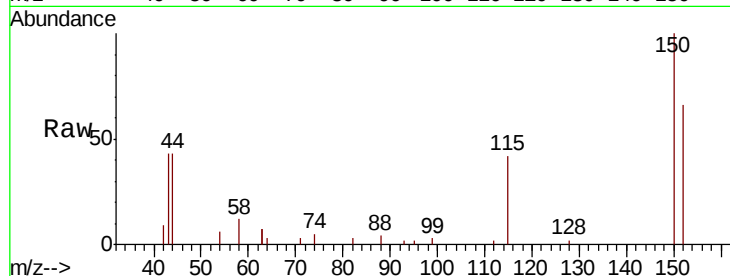


#1

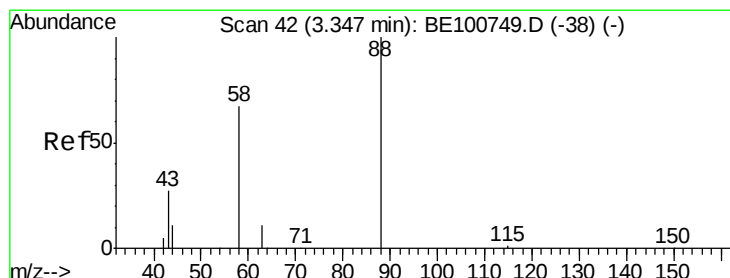
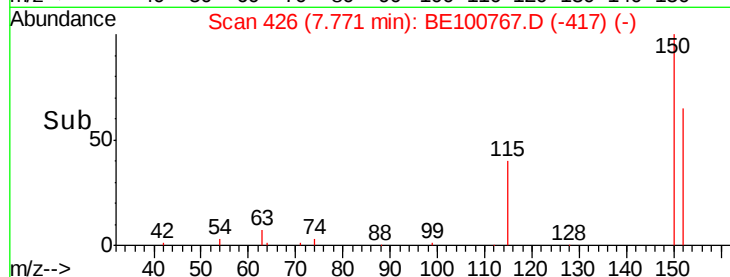
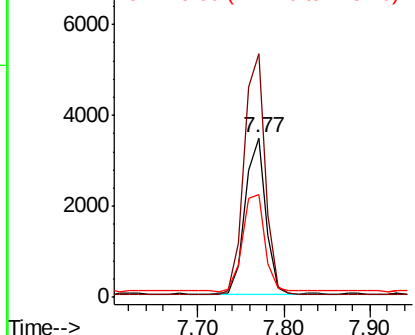
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.77 min Scan# 426
Delta R.T. 0.00 min
Lab File: BE100767.D
Acq: 22 Nov 2019 20:47

Instrument :
BNA_E
ClientSampleId :
HF-608D

Tot Ion:152 Resp: 5736
Ion Ratio Lower Upper
152 100
150 152.6 127.1 190.7
115 64.0 53.0 79.4



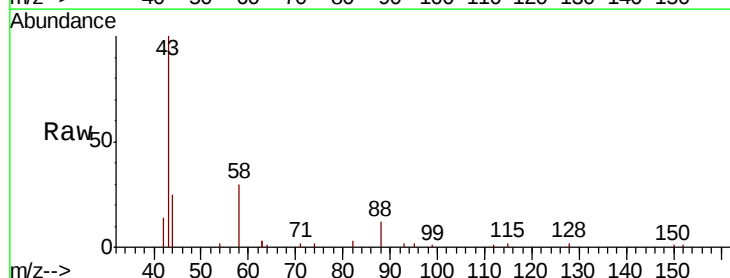
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



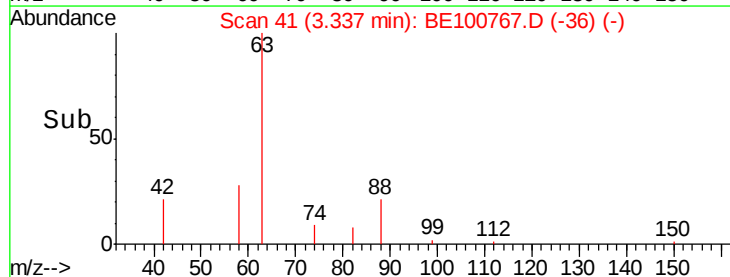
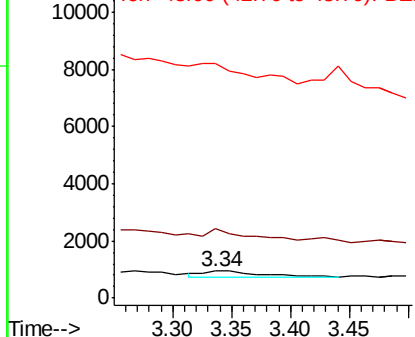
#2

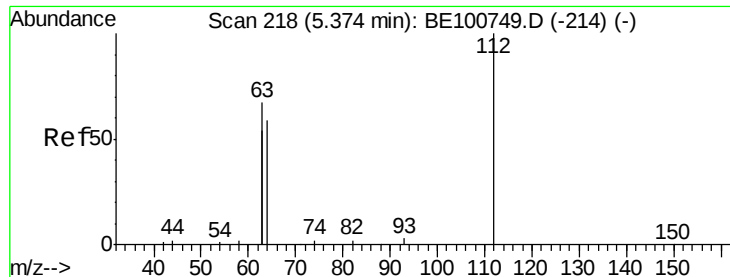
1,4-Dioxane
Concen: 0.064 ng
RT: 3.34 min Scan# 41
Delta R.T. -0.01 min
Lab File: BE100767.D
Acq: 22 Nov 2019 20:47

Tgt Ion: 88 Resp: 688
Ion Ratio Lower Upper
88 100
58 100.0 60.7 91.1#
43 0.0 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





#4

2-Fluorophenol

Concen: 0.186 ng

RT: 5.38 min Scan# 218

Delta R.T. 0.00 min

Lab File: BE100767.D

Acq: 22 Nov 2019 20:47

Instrument :

BNA_E

ClientSampleId :

HF-608D

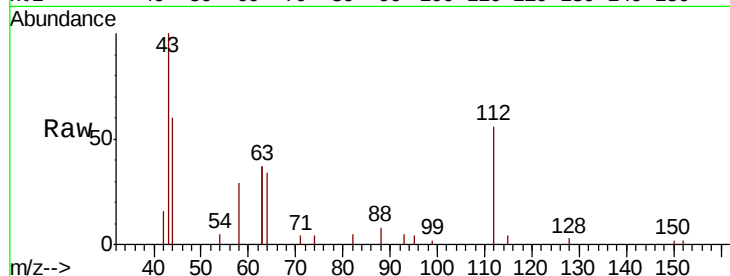
Tot Ion:112 Resp: 2881

Ion Ratio Lower Upper

112 100

64 68.3 54.3 81.5

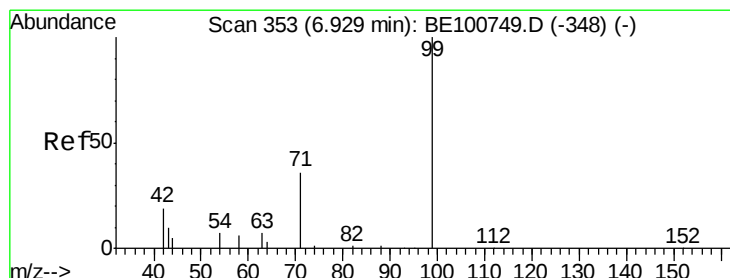
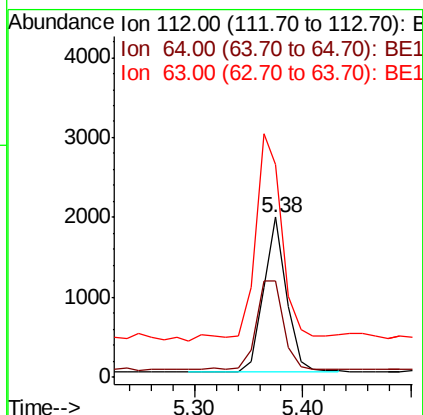
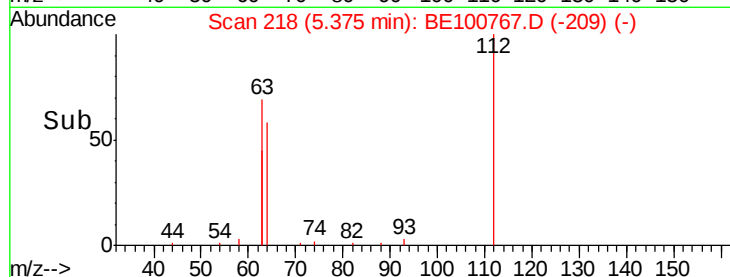
63 156.5 114.0 171.0



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: 0.156 ng

RT: 6.93 min Scan# 353

Delta R.T. 0.00 min

Lab File: BE100767.D

Acq: 22 Nov 2019 20:47

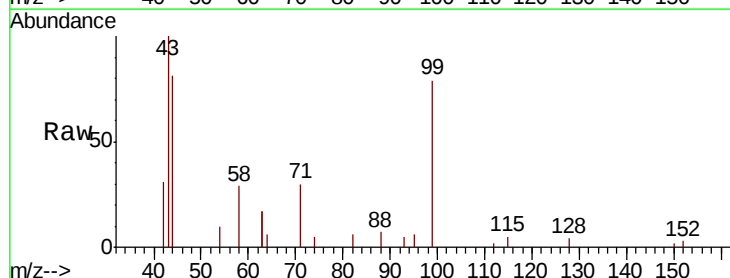
Tgt Ion: 99 Resp: 3507

Ion Ratio Lower Upper

99 100

42 36.8 17.9 26.9#

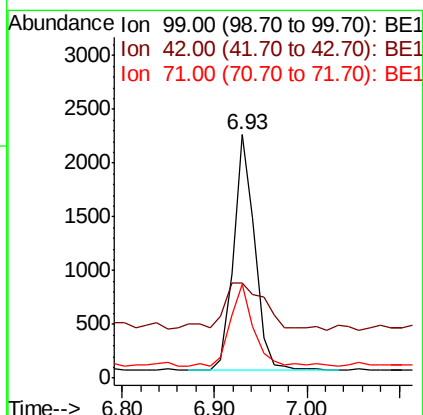
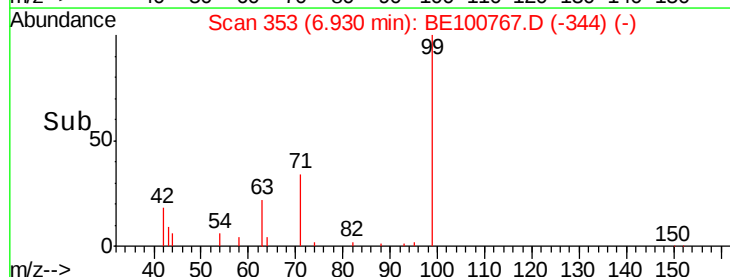
71 38.1 29.3 43.9

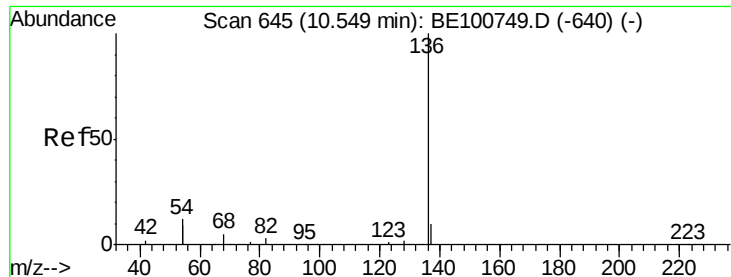


Abundance Ion 99.00 (98.70 to 99.70): BE1

Ion 42.00 (41.70 to 42.70): BE1

Ion 71.00 (70.70 to 71.70): BE1





#7

Naphthalene-d8

Concen: 0.400 ng

RT: 10.55 min Scan# 645

Delta R.T. -0.00 min

Lab File: BE100767.D

Acq: 22 Nov 2019 20:47

Instrument :

BNA_E

ClientSampleId :

HF-608D

Tot Ion:136 Resp: 25028

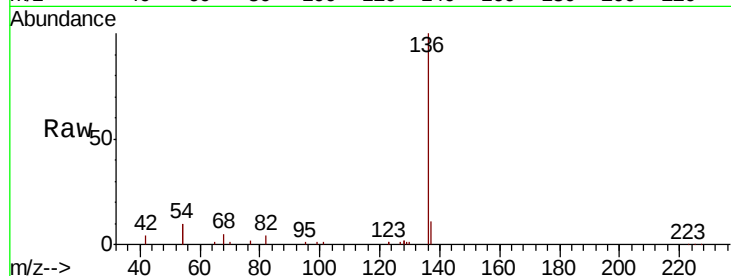
Ion Ratio Lower Upper

136 100

137 11.2 8.6 12.8

54 20.3 19.4 29.0

68 5.0 4.6 6.8

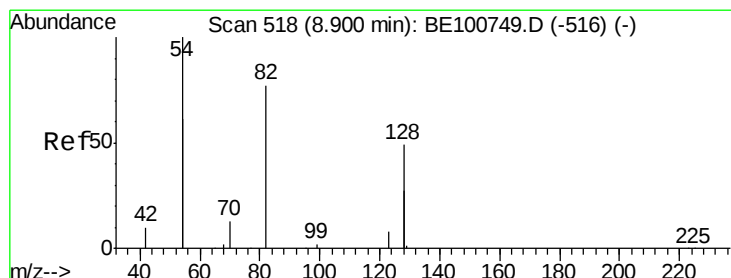
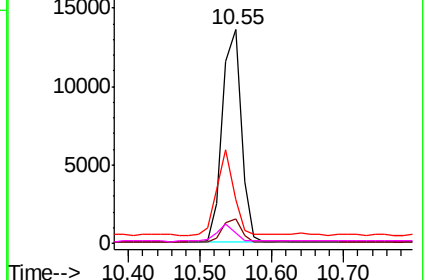
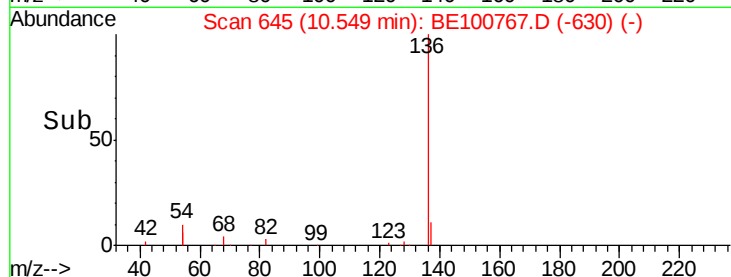


Abundance Ion 136.00 (135.70 to 136.70): E

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: 0.743 ng

RT: 8.90 min Scan# 518

Delta R.T. -0.00 min

Lab File: BE100767.D

Acq: 22 Nov 2019 20:47

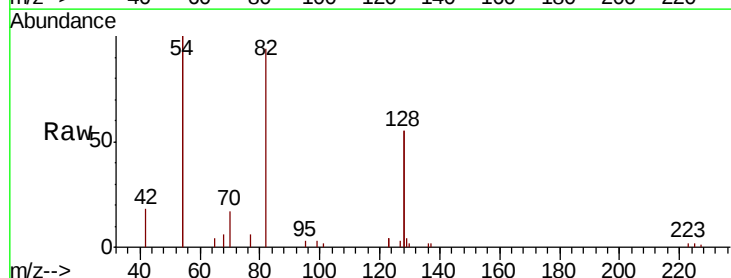
Tgt Ion: 82 Resp: 5961

Ion Ratio Lower Upper

82 100

128 117.6 90.2 135.4

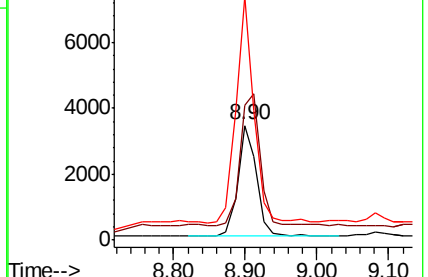
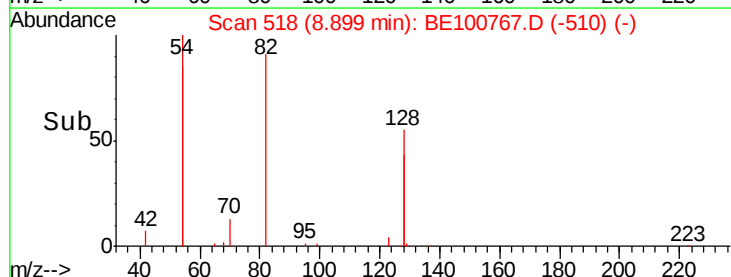
54 212.2 186.0 279.0

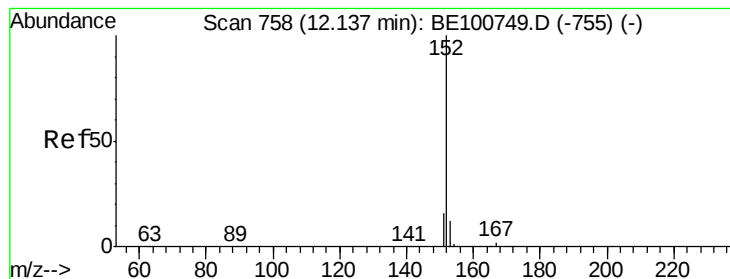


Abundance Ion 82.00 (81.70 to 82.70): BE1

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BE1





#11

2-Methylnaphthalene-d10

Concen: 0.379 ng

RT: 12.14 min Scan# 758

Delta R.T. -0.00 min

Lab File: BE100767.D

Acq: 22 Nov 2019 20:47

Instrument :

BNA_E

ClientSampleId :

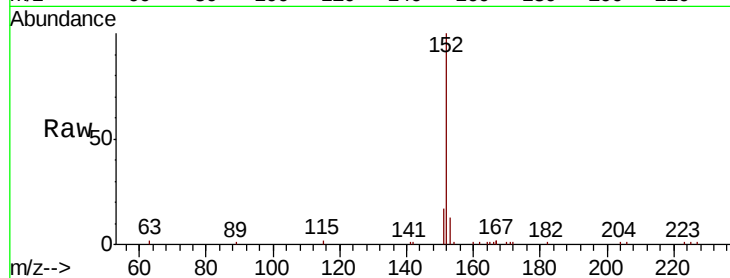
HF-608D

Tot Ion:152 Resp: 13922

Ion Ratio Lower Upper

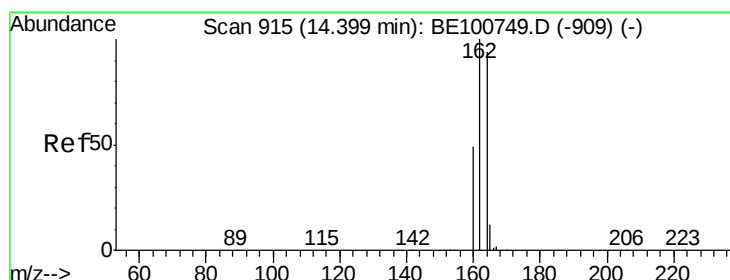
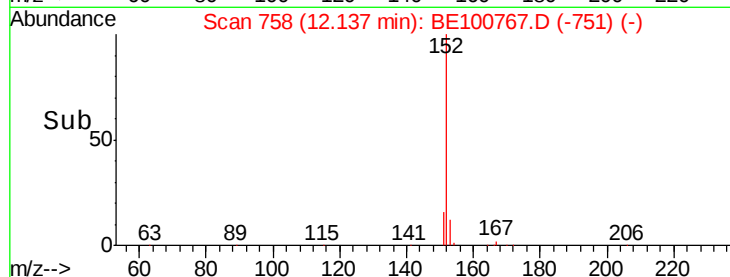
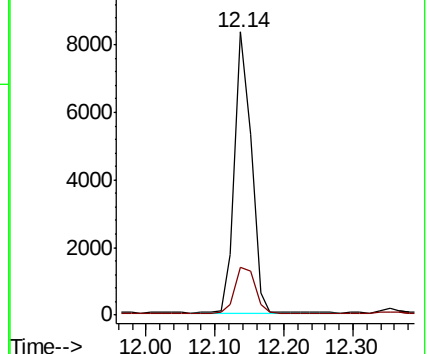
152 100

151 19.8 15.8 23.8



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E



#13

Acenaphthene-d10

Concen: 0.400 ng

RT: 14.40 min Scan# 915

Delta R.T. -0.00 min

Lab File: BE100767.D

Acq: 22 Nov 2019 20:47

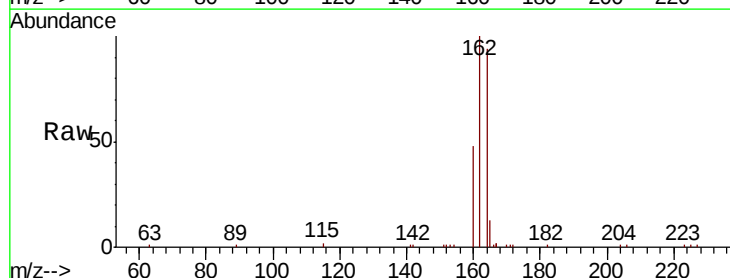
Tgt Ion:164 Resp: 14230

Ion Ratio Lower Upper

164 100

162 105.9 84.8 127.2

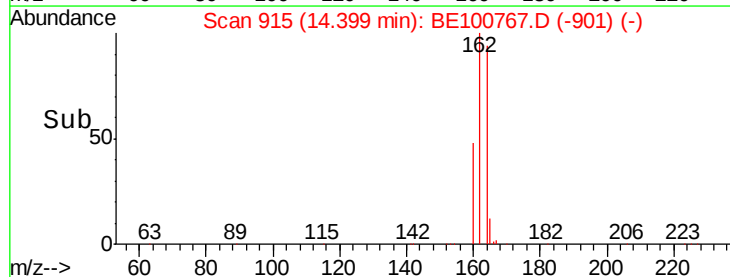
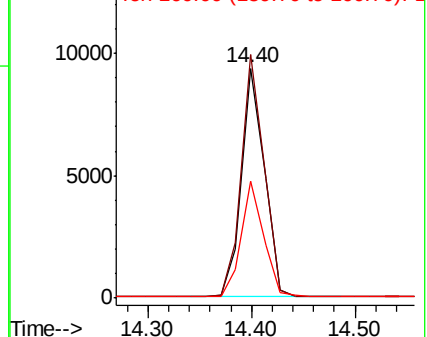
160 51.0 42.3 63.5

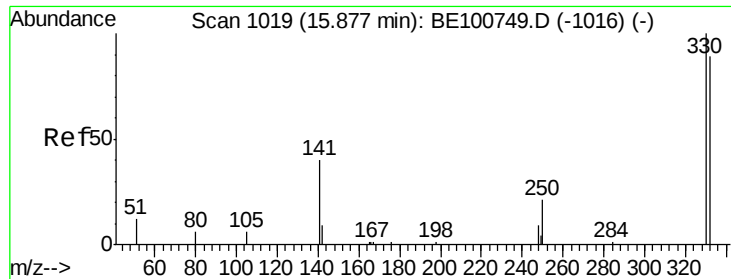


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

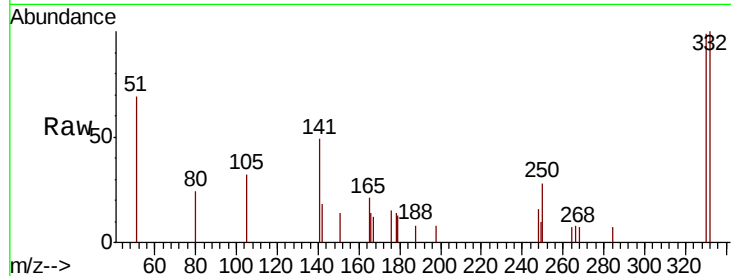




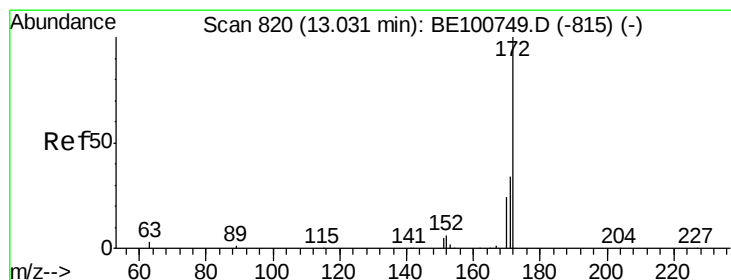
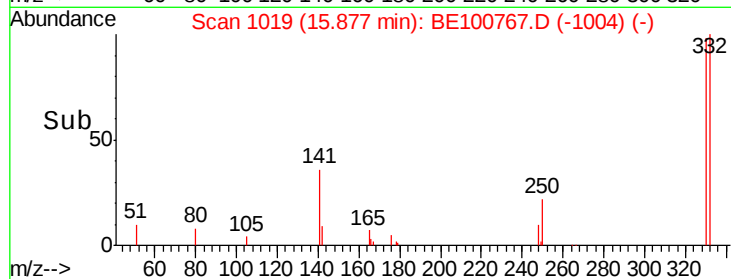
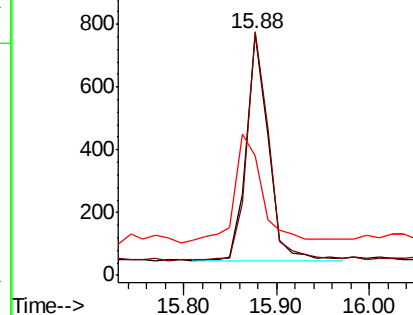
#14
 2,4,6-Tribromophenol
 Concen: 0.591 ng
 RT: 15.88 min Scan# 1019
 Delta R.T. 0.00 min
 Lab File: BE100767.D
 Acq: 22 Nov 2019 20:47

Instrument :
 BNA_E
 ClientSampleId :
 HF-608D

Tot Ion:330 Resp: 1186
 Ion Ratio Lower Upper
 330 100
 332 99.5 79.3 118.9
 141 59.9 43.8 65.6

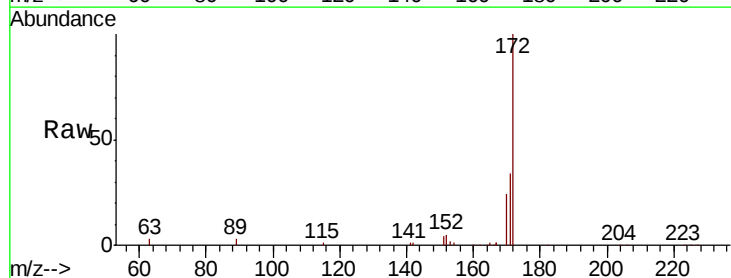


Abundance Ion 330.00 (329.70 to 330.70): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

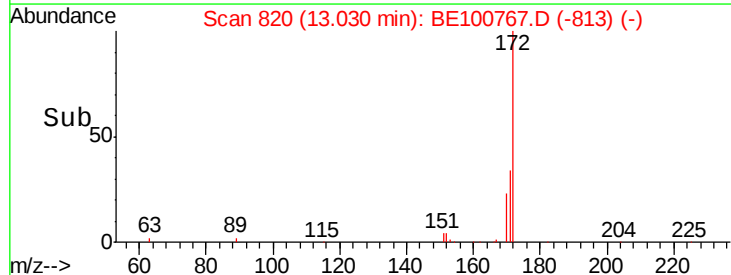
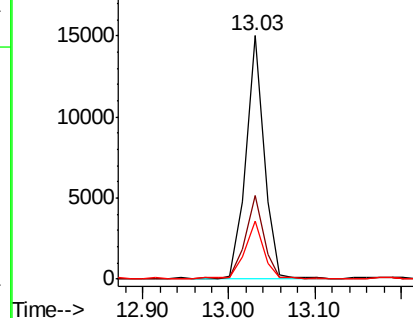


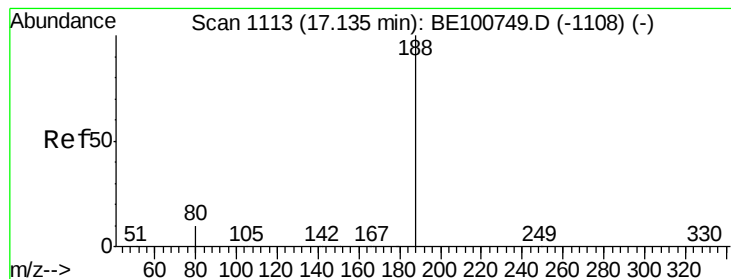
#15
 2-Fluorobiphenyl
 Concen: 0.388 ng
 RT: 13.03 min Scan# 820
 Delta R.T. -0.00 min
 Lab File: BE100767.D
 Acq: 22 Nov 2019 20:47

Tgt Ion:172 Resp: 21449
 Ion Ratio Lower Upper
 172 100
 171 34.2 27.8 41.6
 170 23.6 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





#19

Phenanthrene-d10

Concen: 0.400 ng

RT: 17.13 min Scan# 1113

Delta R.T. -0.00 min

Lab File: BE100767.D

Acq: 22 Nov 2019 20:47

Instrument :

BNA_E

ClientSampleId :

HF-608D

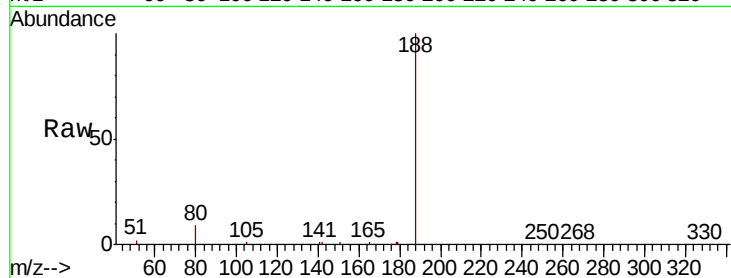
Tot Ion:188 Resp: 34025

Ion Ratio Lower Upper

188 100

94 0.0 0.0 0.0

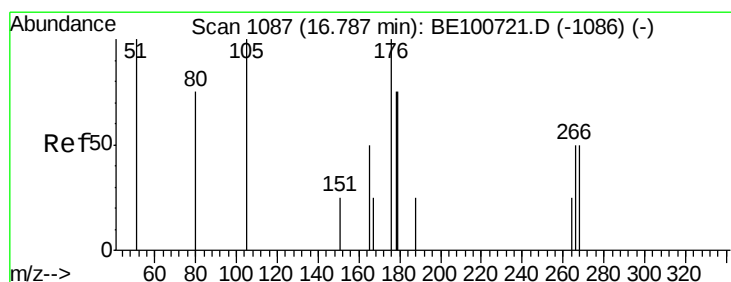
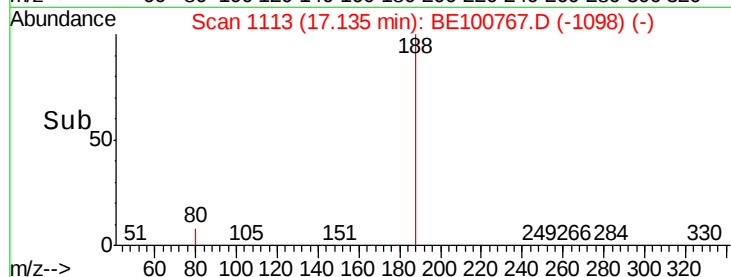
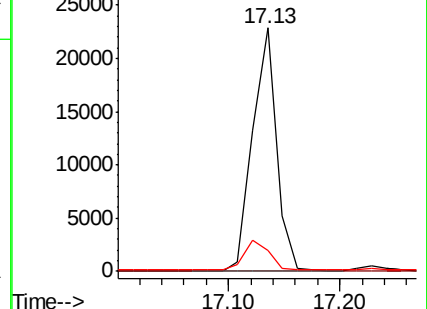
80 8.5 8.2 12.2



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



#22

Pentachlorophenol

Concen: 0.063 ng

RT: 16.77 min Scan# 1086

Delta R.T. -0.01 min

Lab File: BE100767.D

Acq: 22 Nov 2019 20:47

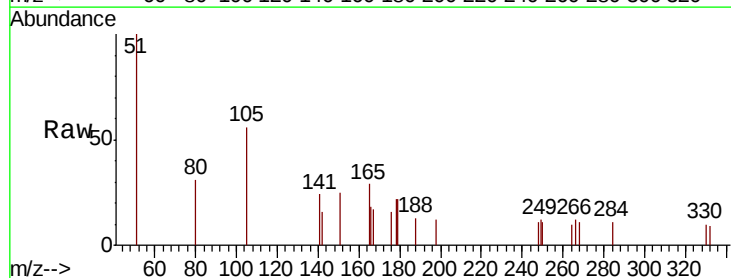
Tgt Ion:266 Resp: 26

Ion Ratio Lower Upper

266 100

264 88.5 54.6 82.0#

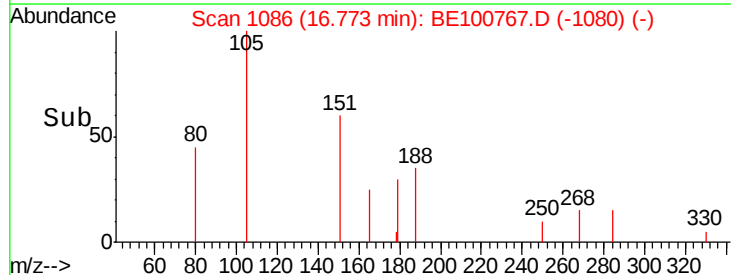
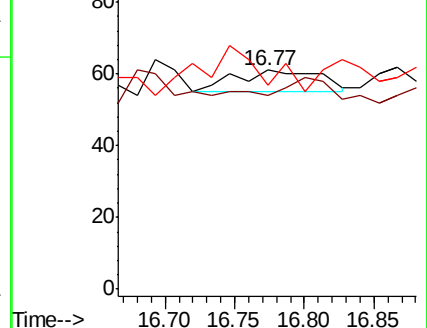
268 93.4 52.6 78.8#

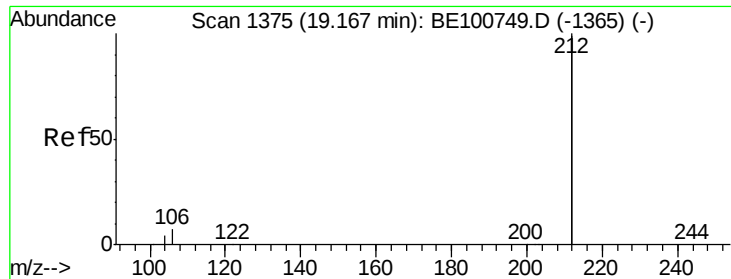


Abundance Ion 266.00 (265.70 to 266.70): E

Ion 264.00 (263.70 to 264.70): E

Ion 268.00 (267.70 to 268.70): E





#25

Fluoranthene-d10

Concen: 0.417 ng

RT: 19.17 min Scan# 1375

Delta R.T. -0.00 min

Lab File: BE100767.D

Acq: 22 Nov 2019 20:47

Instrument :

BNA_E

ClientSampleId :

HF-608D

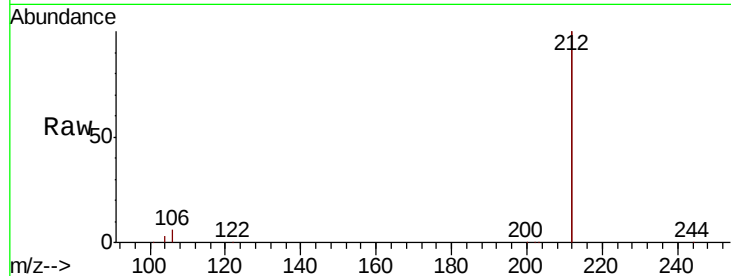
Tot Ion:212 Resp: 173748

Ion Ratio Lower Upper

212 100

106 3.3 2.6 4.0

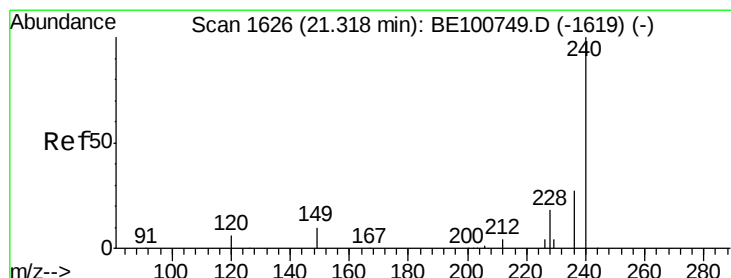
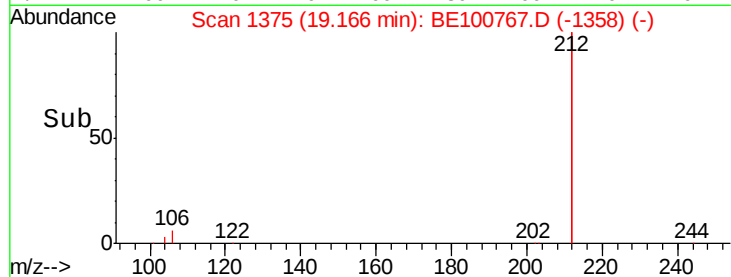
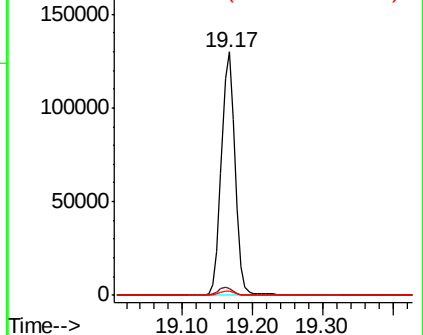
104 1.8 1.5 2.3



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



#27

Chrysene-d12

Concen: 0.400 ng

RT: 21.32 min Scan# 1626

Delta R.T. -0.00 min

Lab File: BE100767.D

Acq: 22 Nov 2019 20:47

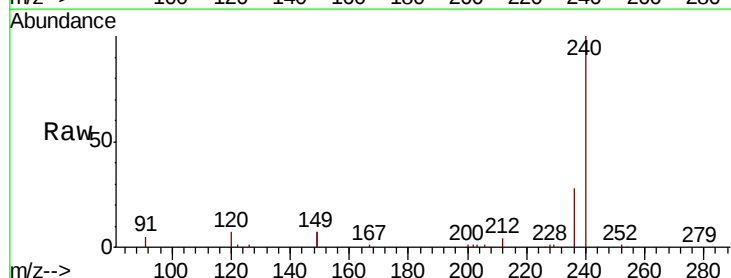
Tgt Ion:240 Resp: 36029

Ion Ratio Lower Upper

240 100

120 6.8 5.8 8.8

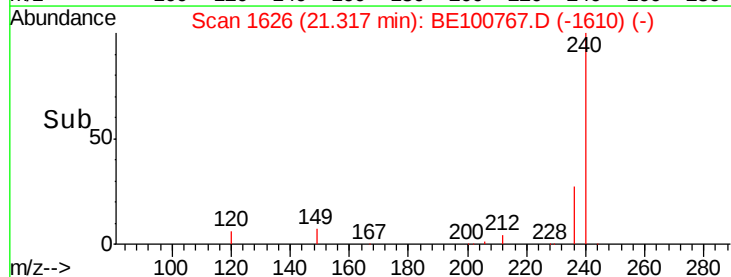
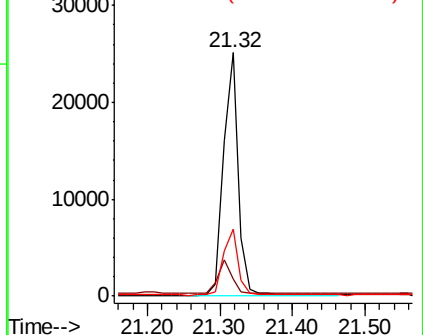
236 27.6 21.9 32.9

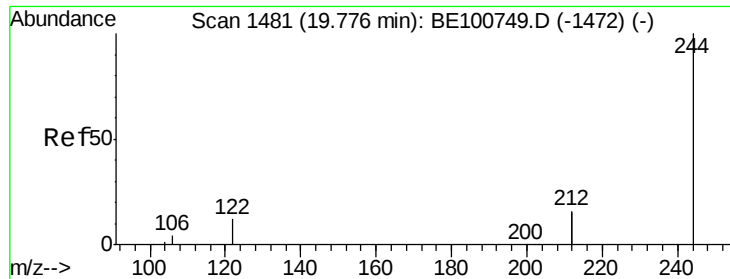


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#29

Terphenyl-d14

Concen: 0.444 ng

RT: 19.77 min Scan# 1480

Delta R.T. -0.01 min

Lab File: BE100767.D

Acq: 22 Nov 2019 20:47

Instrument :

BNA_E

ClientSampleId :

HF-608D

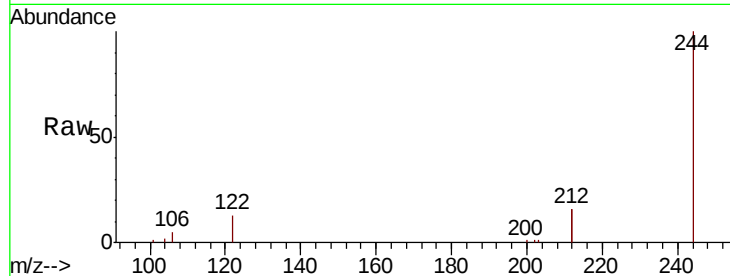
Tot Ion:244 Resp: 36866

Ion Ratio Lower Upper

244 100

212 32.9 25.2 37.8

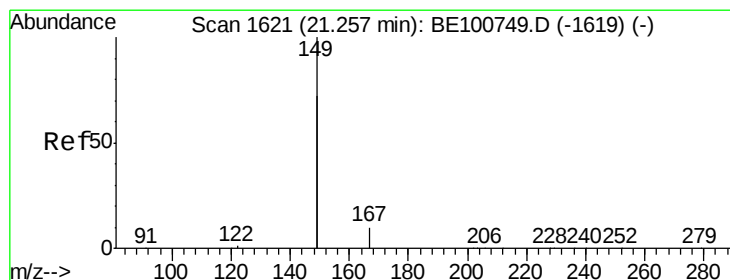
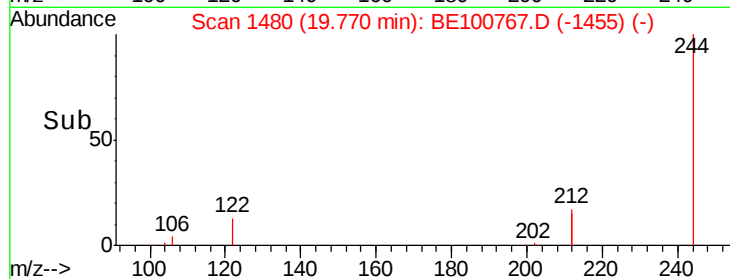
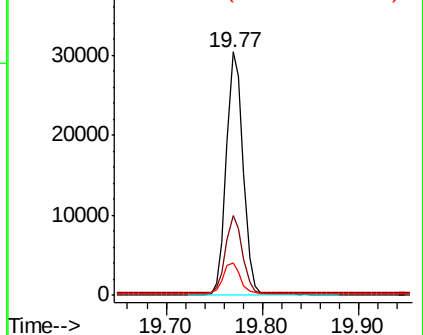
122 13.4 9.8 14.6



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



#32

Bis(2-ethylhexyl)phthalate

Concen: 0.031 ng

RT: 21.26 min Scan# 1621

Delta R.T. -0.00 min

Lab File: BE100767.D

Acq: 22 Nov 2019 20:47

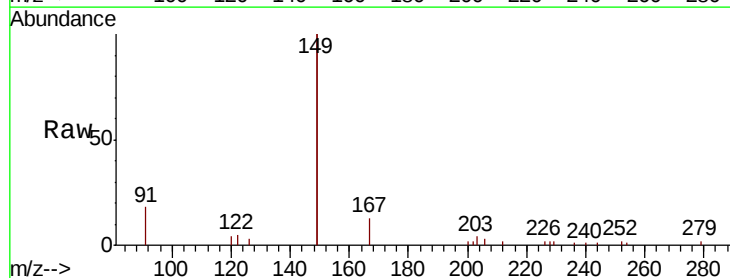
Tgt Ion:149 Resp: 13637

Ion Ratio Lower Upper

149 100

167 6.5 5.5 8.3

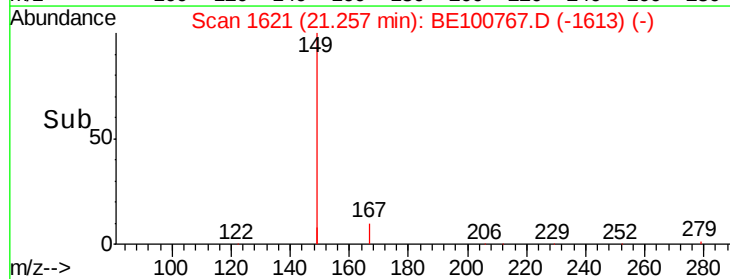
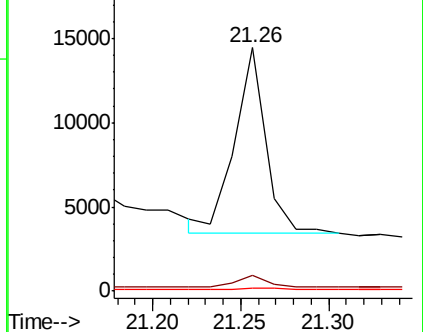
279 0.9 0.7 1.1

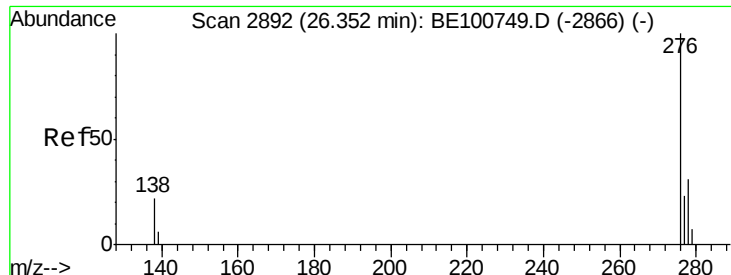


Abundance Ion 149.00 (148.70 to 149.70): E

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: 0.038 ng

RT: 26.35 min Scan# 2891

Delta R.T. -0.00 min

Lab File: BE100767.D

Acq: 22 Nov 2019 20:47

Instrument :

BNA_E

ClientSampleId :

HF-608D

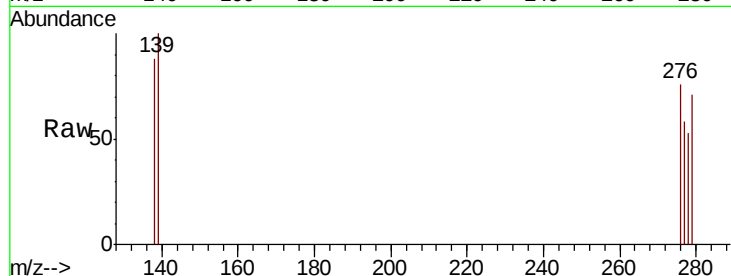
Tot Ion:276 Resp: 165

Ion Ratio Lower Upper

276 100

138 9.7 19.8 29.6#

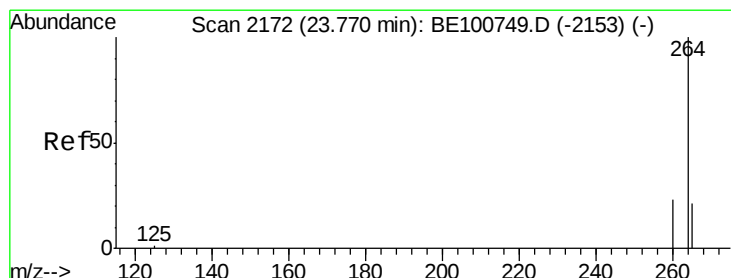
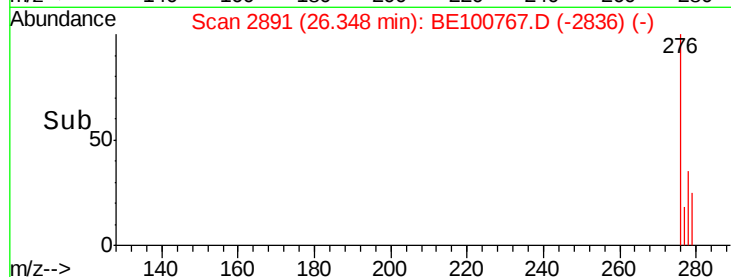
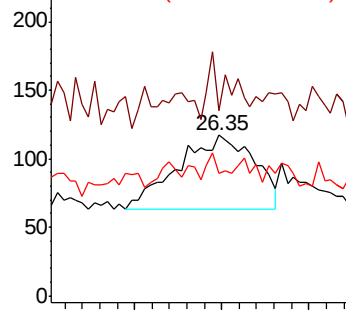
277 10.3 19.7 29.5#



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# 2171

Delta R.T. -0.00 min

Lab File: BE100767.D

Acq: 22 Nov 2019 20:47

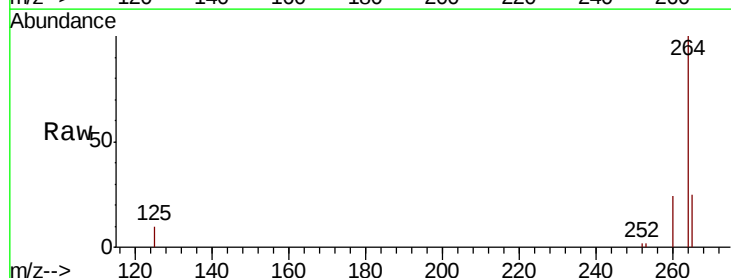
Tgt Ion:264 Resp: 40282

Ion Ratio Lower Upper

264 100

260 23.7 18.7 28.1

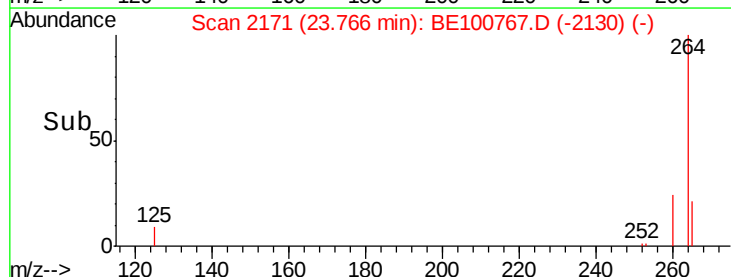
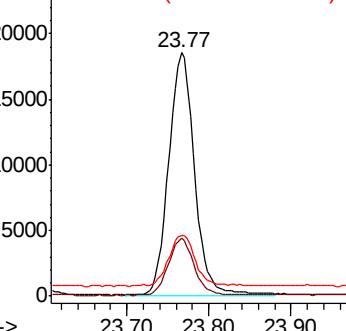
265 25.1 22.4 33.6

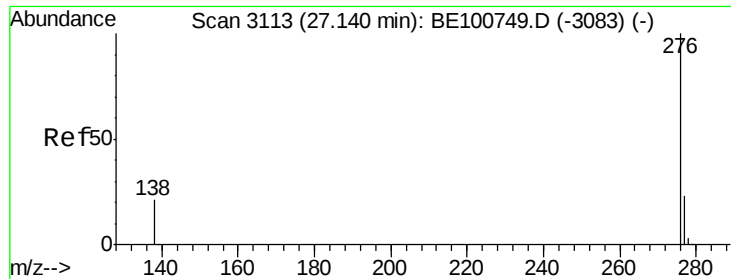


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E





#39

Benzo(a,h,i)perylene

Concen: 0.022 ng

RT: 27.13 min Scan# 3110

Delta R.T. -0.01 min

Lab File: BE100767.D

Acq: 22 Nov 2019 20:47

Instrument :

BNA_E

ClientSampleId :

HF-608D

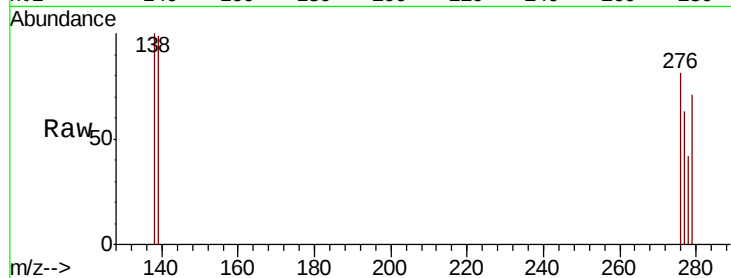
Tot Ion: 276 Resp: 98

Ion Ratio Lower Upper

276 100

277 77.9 18.9 28.3#

138 123.8 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

200

150

100

50

0

27.10

27.13

27.15

Time-->

