

Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE112219\
 Data File : BE100759.D
 Acq On : 22 Nov 2019 15:10
 Operator : JU
 Sample : K5969-05
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 HF-102S

Quant Time: Nov 22 16:51:41 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	5894	0.40	ng	0.00
7) Naphthalene-d8	10.55	136	25449	0.40	ng	0.00
13) Acenaphthene-d10	14.40	164	13983	0.40	ng	0.00
19) Phenanthrene-d10	17.13	188	32645	0.40	ng	0.00
27) Chrysene-d12	21.32	240	35001	0.40	ng	0.00
34) Perylene-d12	23.77	264	39166	0.40	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Fluorophenol	5.37	112	2397	0.15	ng	0.00
5) Phenol-d6	6.93	99	3049	0.13	ng	0.00
8) Nitrobenzene-d5	8.90	82	4253	0.52	ng	0.00
11) 2-Methylnaphthalene-d10	12.14	152	13991	0.37	ng	0.00
14) 2,4,6-Tribromophenol	15.88	330	1061	0.54	ng	0.00
15) 2-Fluorobiphenyl	13.03	172	21375	0.39	ng	0.00
25) Fluoranthene-d10	19.17	212	163121	0.41	ng	0.00
29) Terphenyl-d14	19.77	244	38725	0.48	ng	0.00

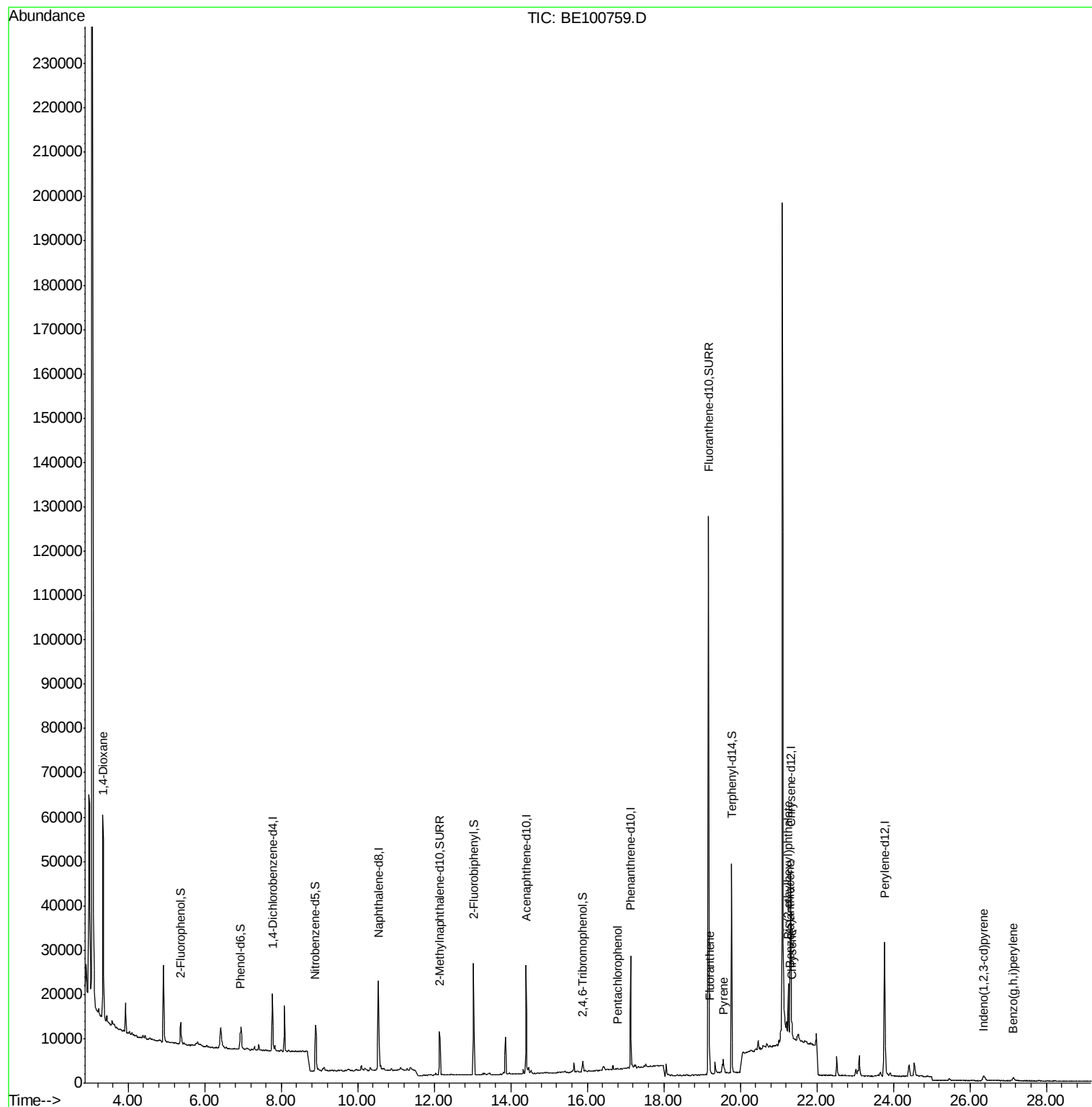
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) 1,4-Dioxane	3.35	88	32884	2.974	ng	99
22) Pentachlorophenol	16.79	266	68	0.081	ng	# 69
26) Fluoranthene	19.20	202	3062	0.025	ng	# 89
28) Pyrene	19.56	202	2933	0.027	ng	# 88
30) Benzo(a)anthracene	21.29	228	2683	0.023	ng	# 80
31) Chrysene	21.35	228	2443	0.020	ng	# 85
32) Bis(2-ethylhexyl)phthalate	21.26	149	12254	0.023	ng	# 98
33) Indeno(1,2,3-cd)pyrene	26.35	276	1963	0.053	ng	97
39) Benzo(g,h,i)perylene	27.14	276	1801	0.037	ng	# 74

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

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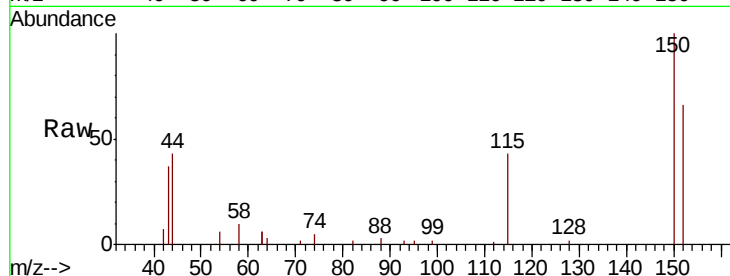


#1

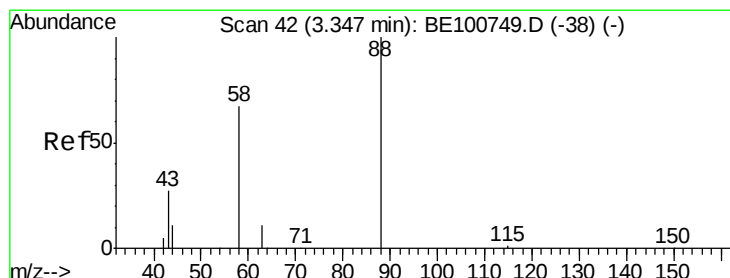
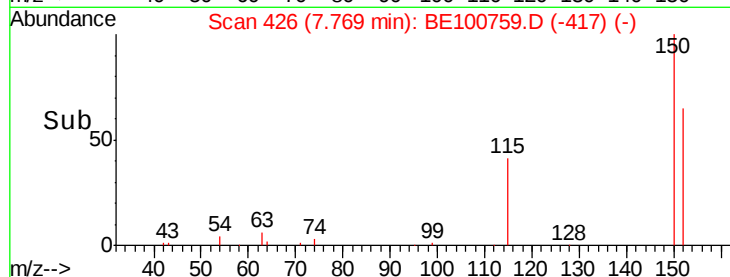
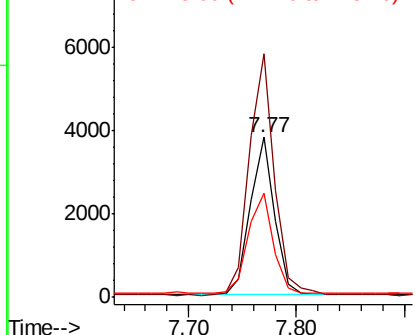
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.77 min Scan# 426
Delta R.T. 0.00 min
Lab File: BE100759.D
Acq: 22 Nov 2019 15:10

Instrument :
BNA_E
ClientSampleId :
HF-102S

Tot Ion:152 Resp: 5894
Ion Ratio Lower Upper
152 100
150 152.2 127.1 190.7
115 65.2 53.0 79.4



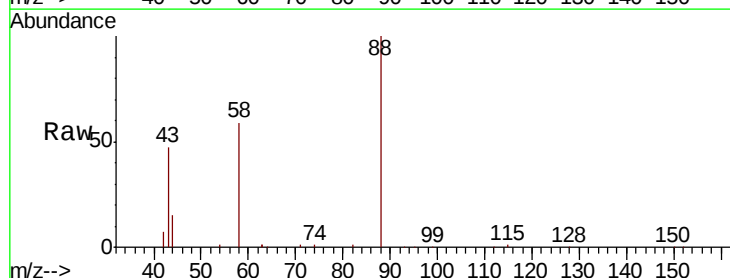
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



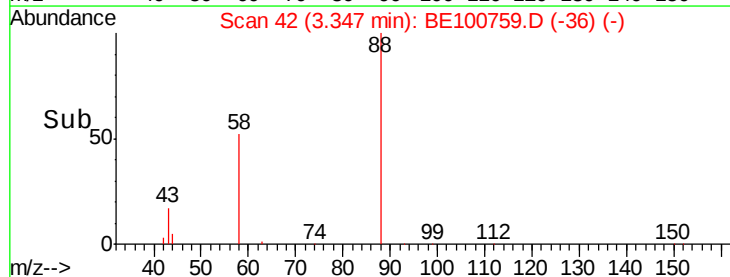
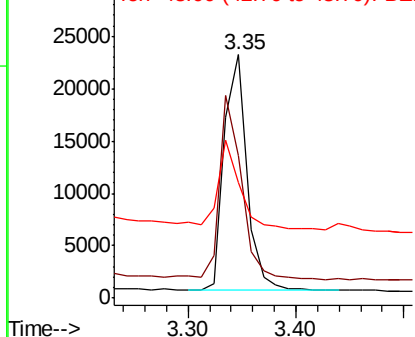
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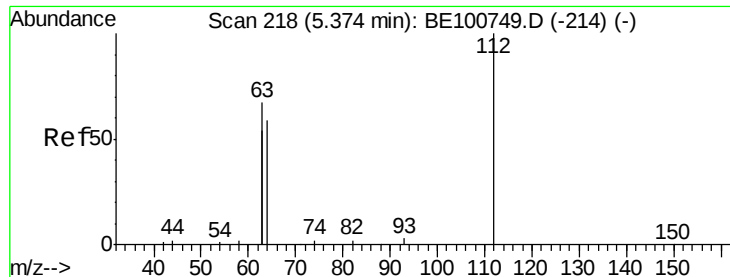
1,4-Dioxane
Concen: 2.974 ng
RT: 3.35 min Scan# 42
Delta R.T. 0.00 min
Lab File: BE100759.D
Acq: 22 Nov 2019 15:10

Tgt Ion: 88 Resp: 32884
Ion Ratio Lower Upper
88 100
58 75.1 60.7 91.1
43 35.3 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: 0.150 ng

RT: 5.37 min Scan# 218

Delta R.T. 0.00 min

Lab File: BE100759.D

Acq: 22 Nov 2019 15:10

Instrument :

BNA_E

ClientSampleId :

HF-102S

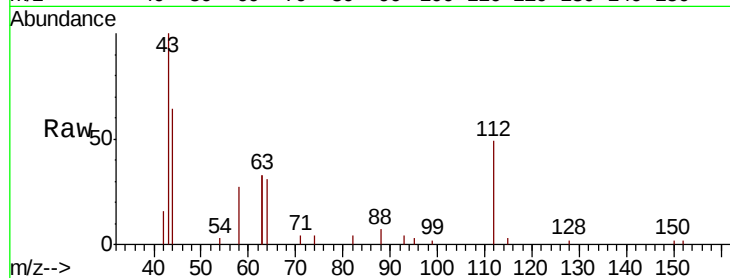
Tot Ion:112 Resp: 2397

Ion Ratio Lower Upper

112 100

64 66.7 54.3 81.5

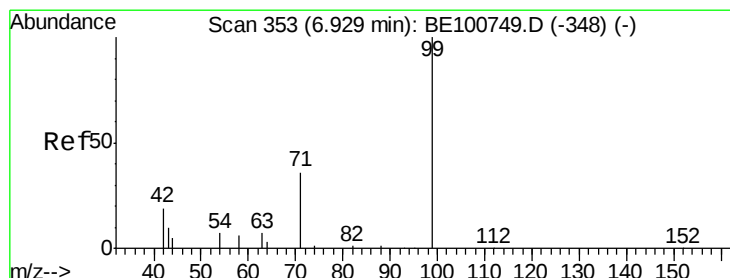
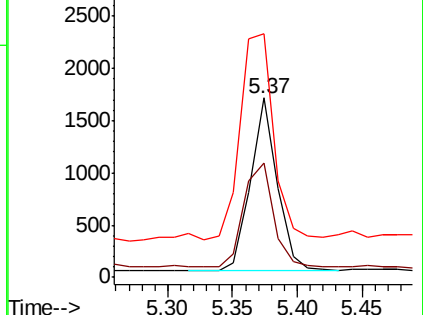
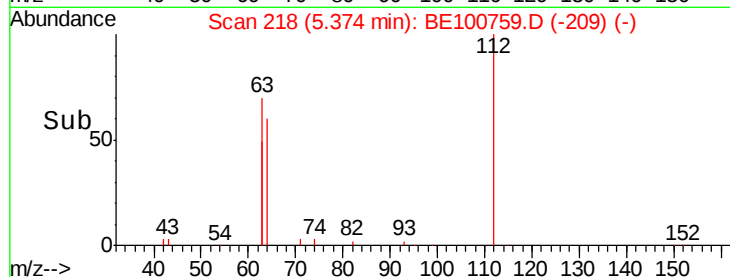
63 144.0 114.0 171.0



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: 0.132 ng

RT: 6.93 min Scan# 353

Delta R.T. 0.00 min

Lab File: BE100759.D

Acq: 22 Nov 2019 15:10

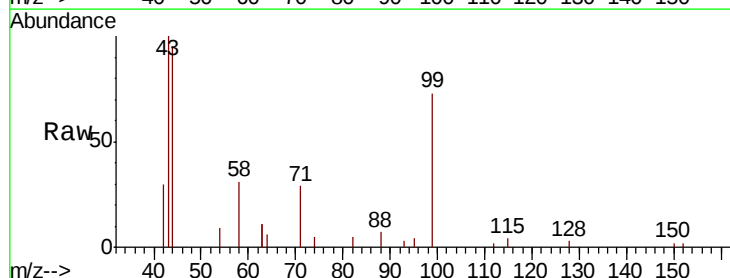
Tgt Ion: 99 Resp: 3049

Ion Ratio Lower Upper

99 100

42 29.5 17.9 26.9#

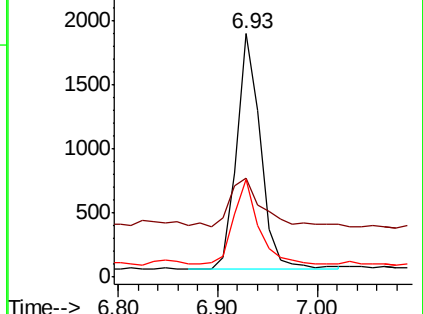
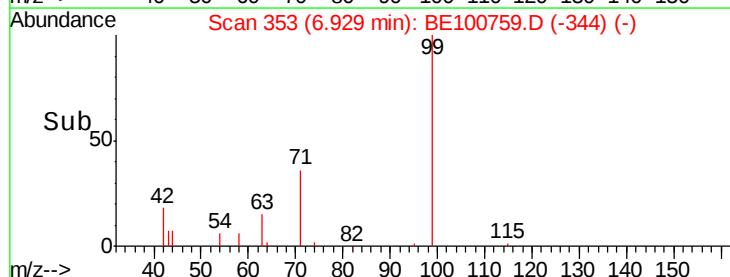
71 36.9 29.3 43.9

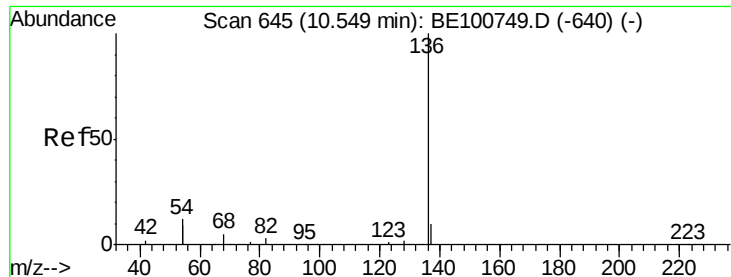


Abundance Ion 99.00 (98.70 to 99.70): BE1

Ion 42.00 (41.70 to 42.70): BE1

Ion 71.00 (70.70 to 71.70): BE1





#7

Naphthalene-d8

Concen: 0.400 ng

RT: 10.55 min Scan# 645

Delta R.T. -0.00 min

Lab File: BE100759.D

Acq: 22 Nov 2019 15:10

Instrument :

BNA_E

ClientSampleId :

HF-102S

Tot Ion:136 Resp: 25449

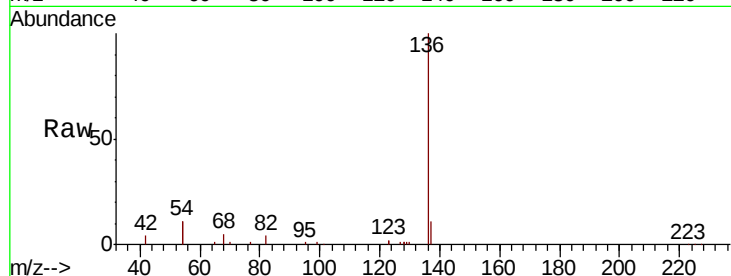
Ion Ratio Lower Upper

136 100

137 11.1 8.6 12.8

54 21.8 19.4 29.0

68 5.3 4.6 6.8

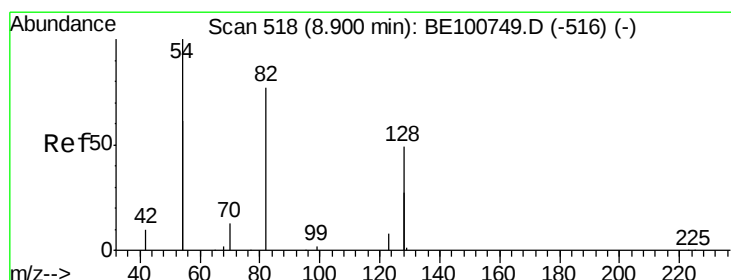
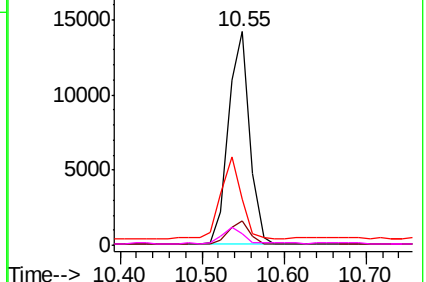
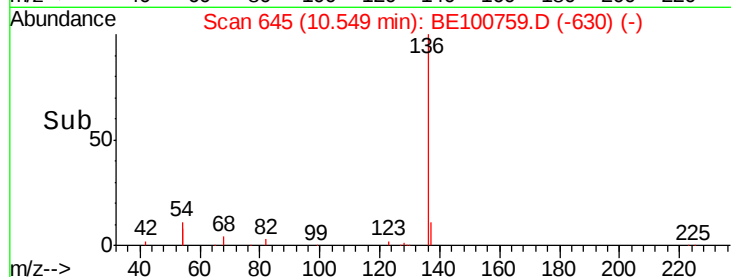


Abundance Ion 136.00 (135.70 to 136.70): E

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: 0.521 ng

RT: 8.90 min Scan# 518

Delta R.T. -0.00 min

Lab File: BE100759.D

Acq: 22 Nov 2019 15:10

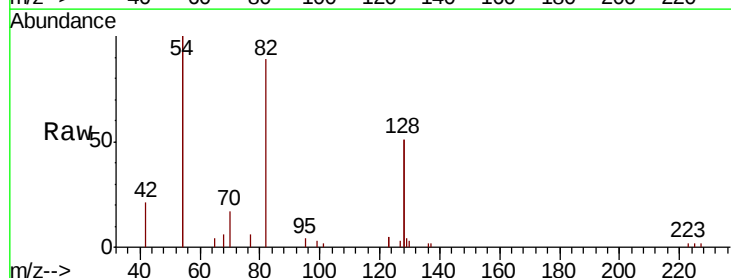
Tgt Ion: 82 Resp: 4253

Ion Ratio Lower Upper

82 100

128 114.1 90.2 135.4

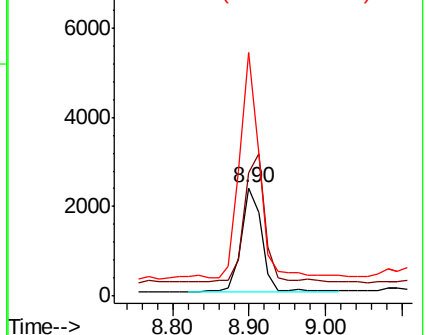
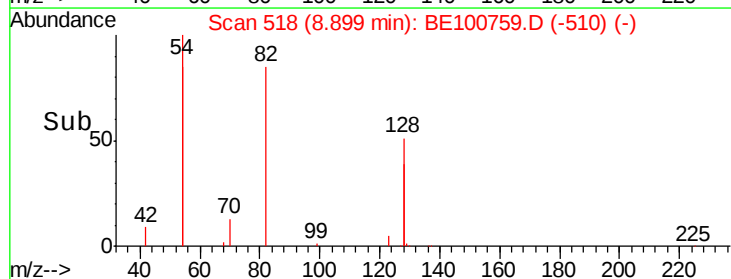
54 224.7 186.0 279.0

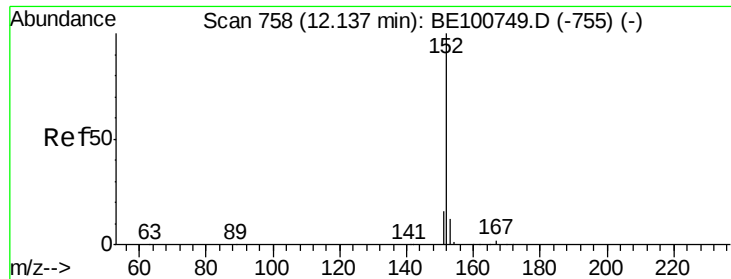


Abundance Ion 82.00 (81.70 to 82.70): BE1

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BE1

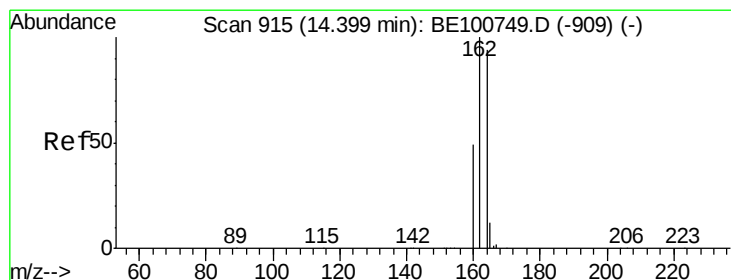
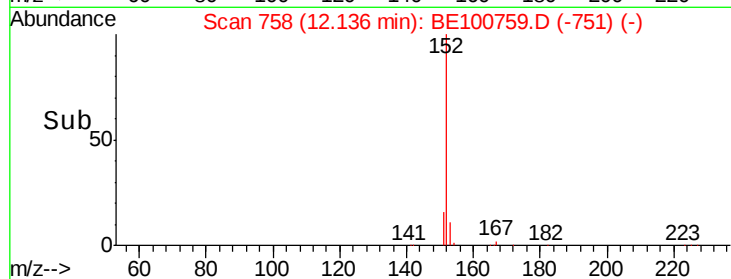
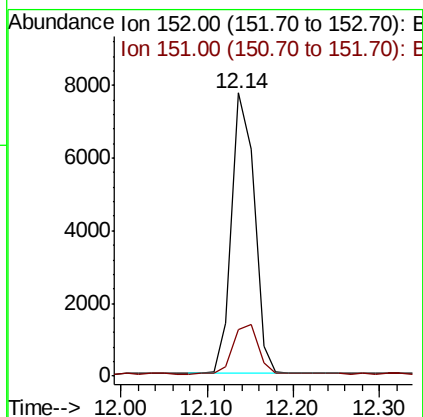
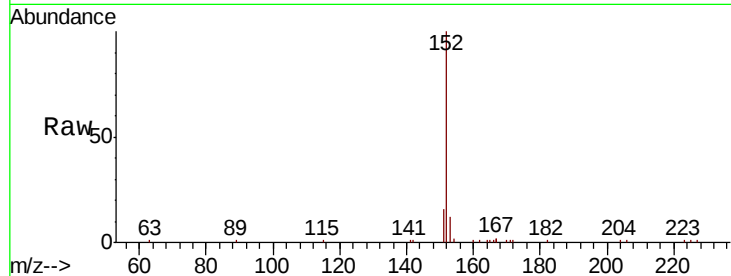




#11
2-Methylnaphthalene-d10
Concen: 0.375 ng
RT: 12.14 min Scan# 758
Delta R.T. -0.00 min
Lab File: BE100759.D
Acq: 22 Nov 2019 15:10

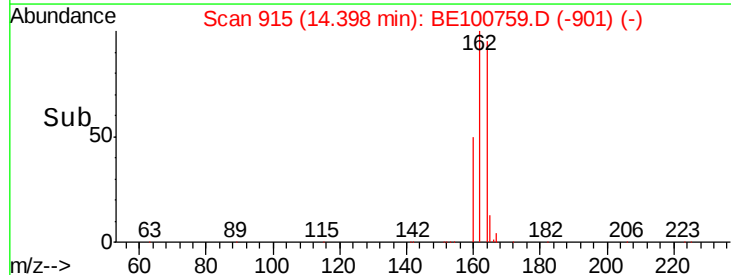
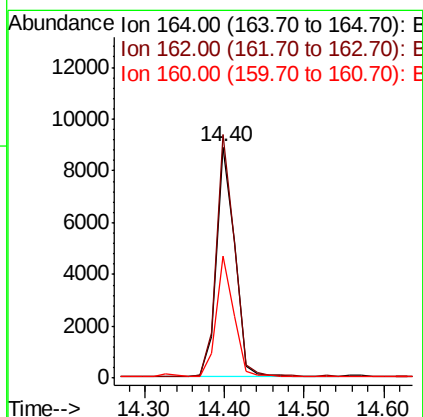
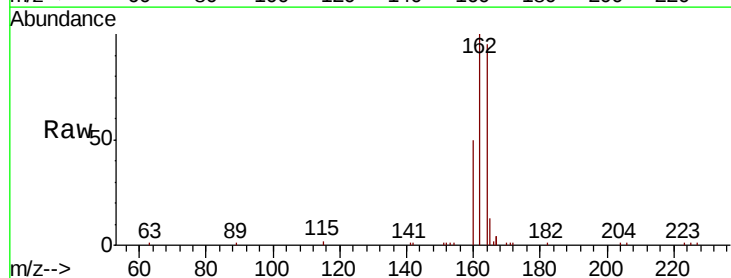
Instrument :
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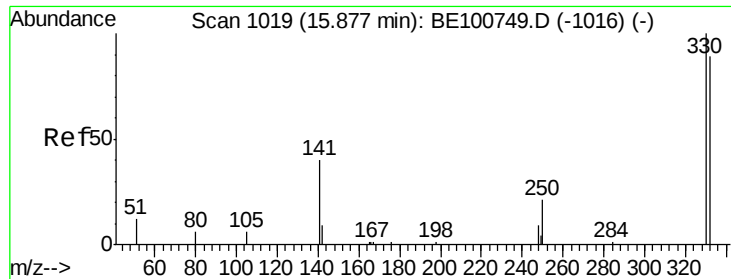
Tot Ion:152 Resp: 13991
Ion Ratio Lower Upper
152 100
151 19.9 15.8 23.8



#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.40 min Scan# 915
Delta R.T. -0.00 min
Lab File: BE100759.D
Acq: 22 Nov 2019 15:10

Tgt Ion:164 Resp: 13983
Ion Ratio Lower Upper
164 100
162 105.5 84.8 127.2
160 52.6 42.3 63.5

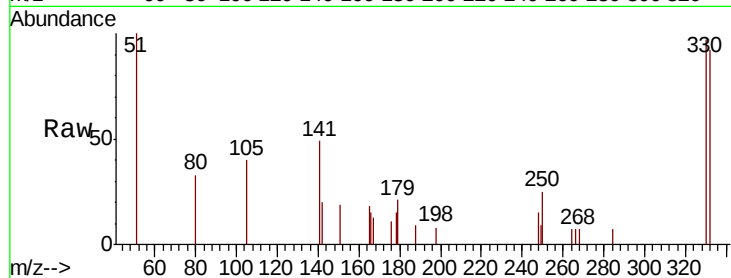




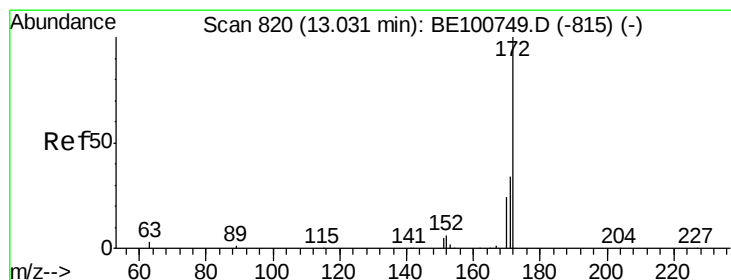
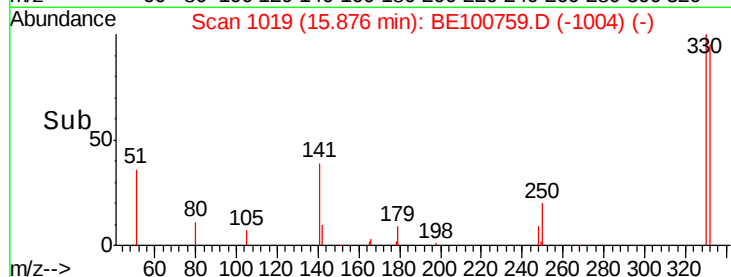
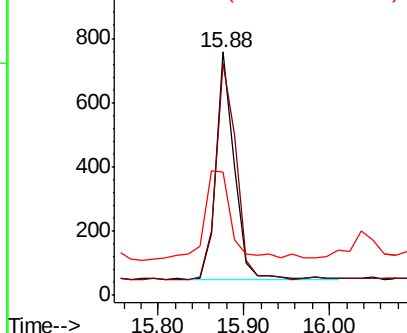
#14
 2,4,6-Tribromophenol
 Concen: 0.538 ng
 RT: 15.88 min Scan# 1019
 Delta R.T. -0.00 min
 Lab File: BE100759.D
 Acq: 22 Nov 2019 15:10

Instrument :
 BNA_E
 ClientSampleId :
 HF-102S

Tot Ion:330 Resp: 1061
 Ion Ratio Lower Upper
 330 100
 332 104.6 79.3 118.9
 141 57.5 43.8 65.6

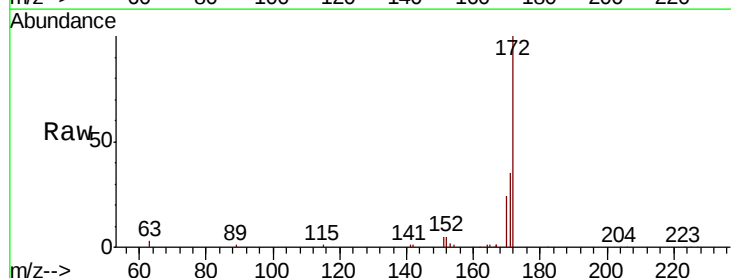


Abundance Ion 330.00 (329.70 to 330.70): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

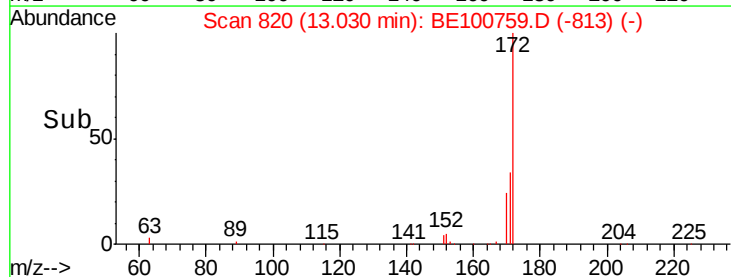
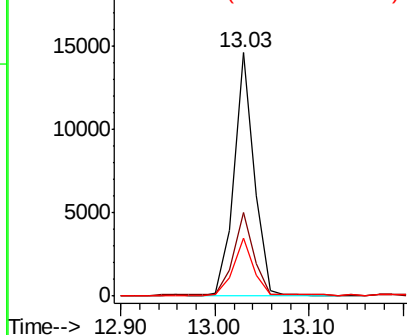


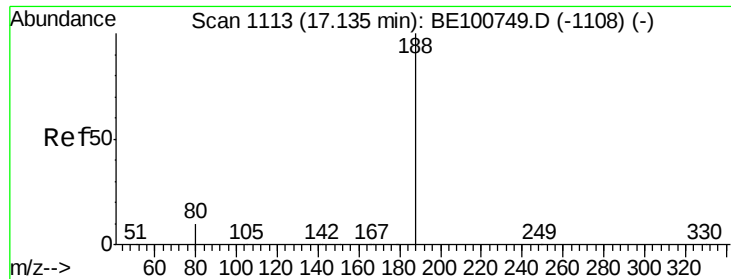
#15
 2-Fluorobiphenyl
 Concen: 0.394 ng
 RT: 13.03 min Scan# 820
 Delta R.T. -0.00 min
 Lab File: BE100759.D
 Acq: 22 Nov 2019 15:10

Tgt Ion:172 Resp: 21375
 Ion Ratio Lower Upper
 172 100
 171 34.6 27.8 41.6
 170 23.9 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

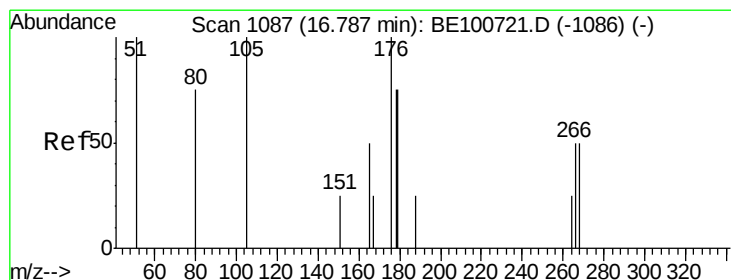
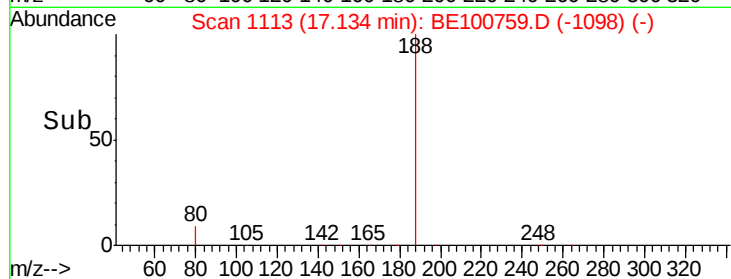
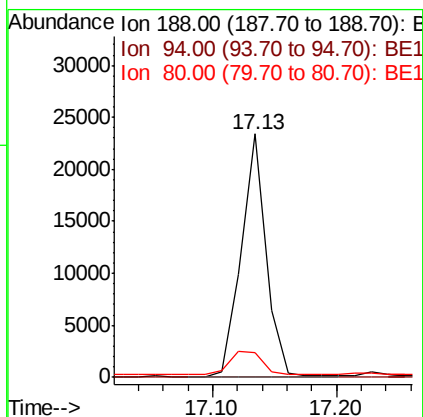
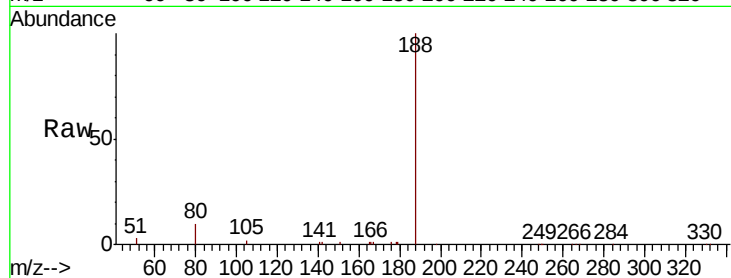




#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.13 min Scan# 1113
Delta R.T. -0.00 min
Lab File: BE100759.D
Acq: 22 Nov 2019 15:10

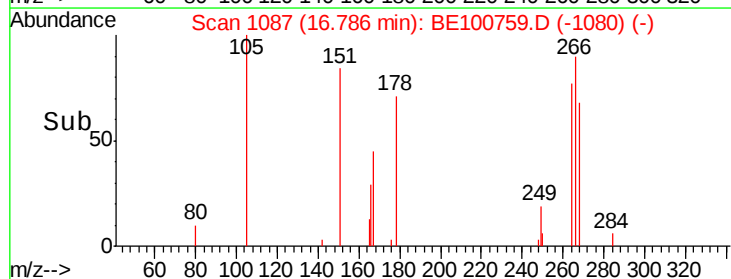
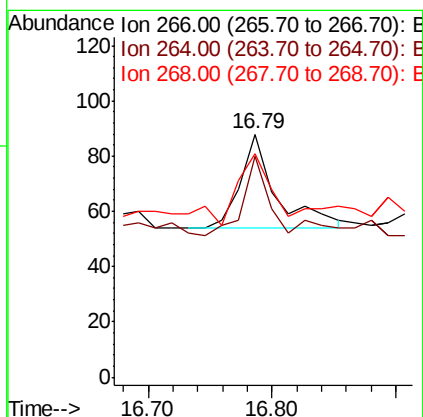
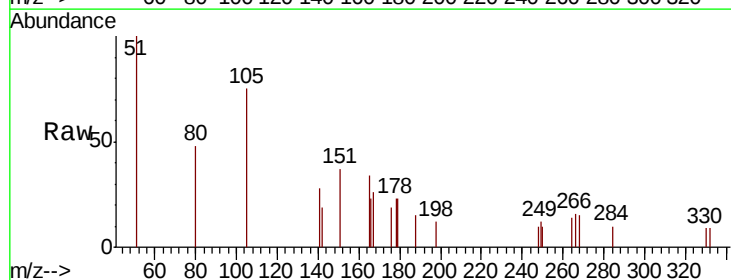
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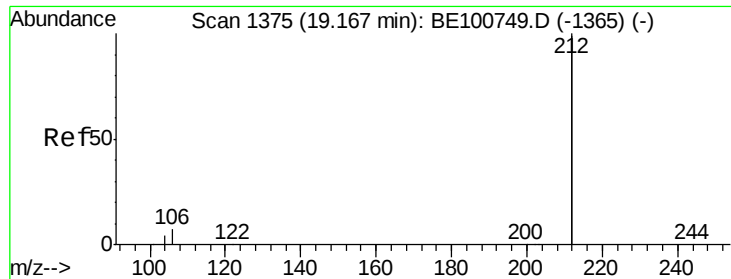
Tot Ion:188 Resp: 32645
Ion Ratio Lower Upper
188 100
94 0.0 0.0 0.0
80 9.9 8.2 12.2



#22
Pentachlorophenol
Concen: 0.081 ng
RT: 16.79 min Scan# 1087
Delta R.T. -0.00 min
Lab File: BE100759.D
Acq: 22 Nov 2019 15:10

Tgt Ion:266 Resp: 68
Ion Ratio Lower Upper
266 100
264 90.9 54.6 82.0#
268 92.0 52.6 78.8#





#25

Fluoranthene-d10

Concen: 0.408 ng

RT: 19.17 min Scan# 1375

Delta R.T. 0.00 min

Lab File: BE100759.D

Acq: 22 Nov 2019 15:10

Instrument :

BNA_E

ClientSampleId :

HF-102S

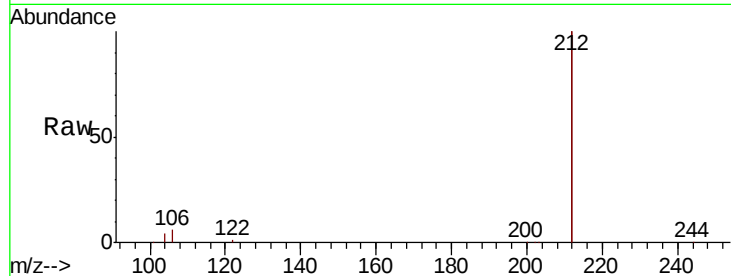
Tot Ion:212 Resp: 163121

Ion Ratio Lower Upper

212 100

106 3.3 2.6 4.0

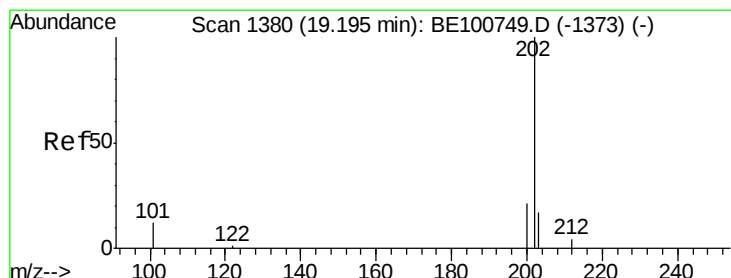
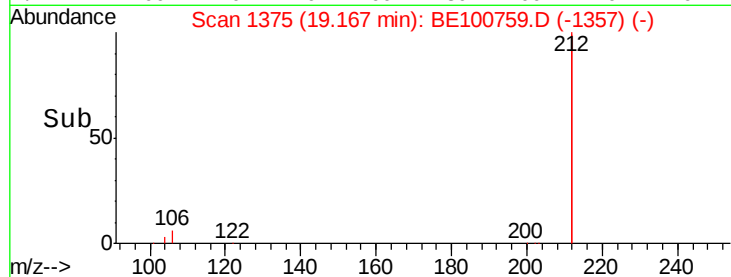
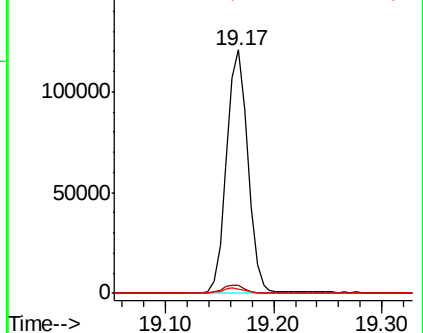
104 1.9 1.5 2.3



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: 0.025 ng

RT: 19.20 min Scan# 1380

Delta R.T. 0.00 min

Lab File: BE100759.D

Acq: 22 Nov 2019 15:10

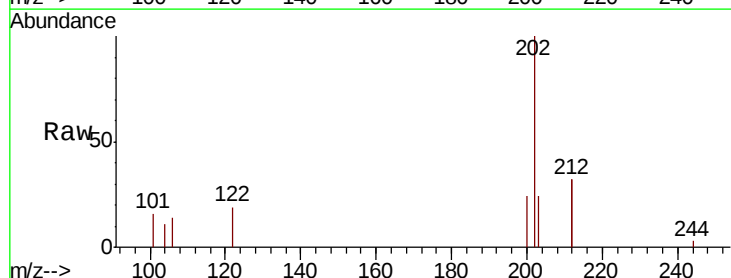
Tgt Ion:202 Resp: 3062

Ion Ratio Lower Upper

202 100

101 19.0 9.2 13.8#

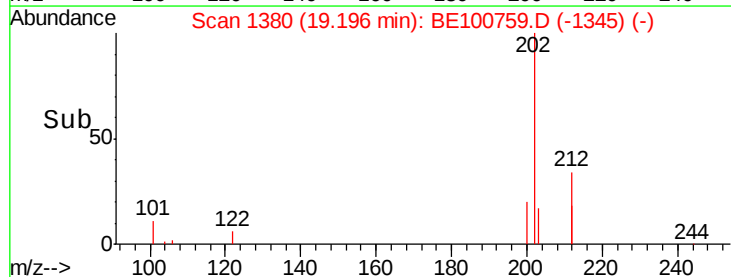
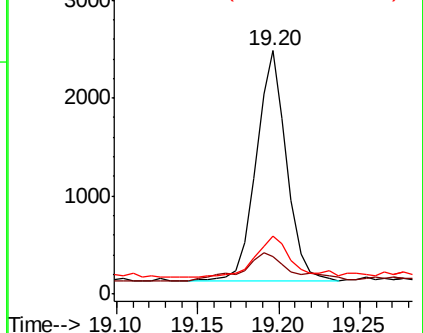
203 19.8 13.8 20.8

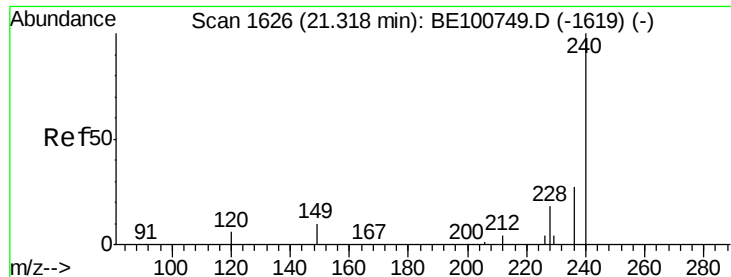


Abundance Ion 202.00 (201.70 to 202.70): E

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: BE100759.D

Acq: 22 Nov 2019 15:10

Instrument :

BNA_E

ClientSampleId :

HF-102S

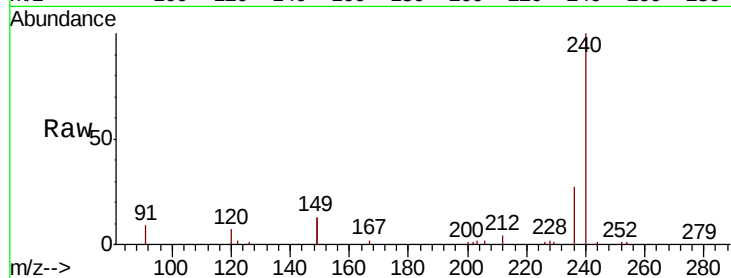
Tot Ion:240 Resp: 35001

Ion Ratio Lower Upper

240 100

120 6.9 5.8 8.8

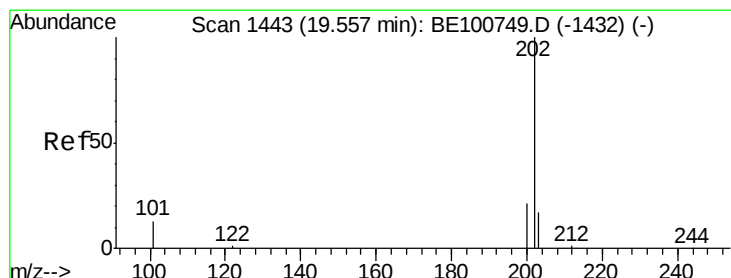
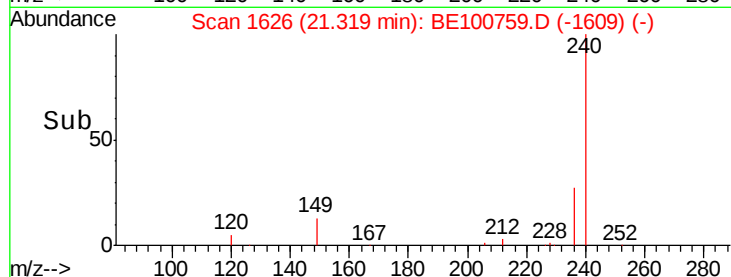
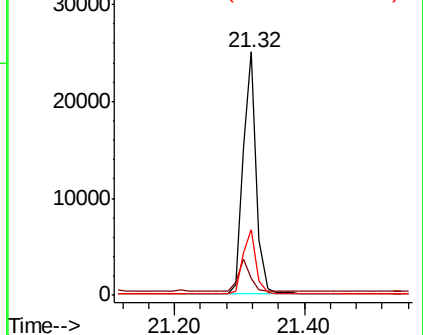
236 27.0 21.9 32.9



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: 0.027 ng

RT: 19.56 min Scan# 1443

Delta R.T. 0.00 min

Lab File: BE100759.D

Acq: 22 Nov 2019 15:10

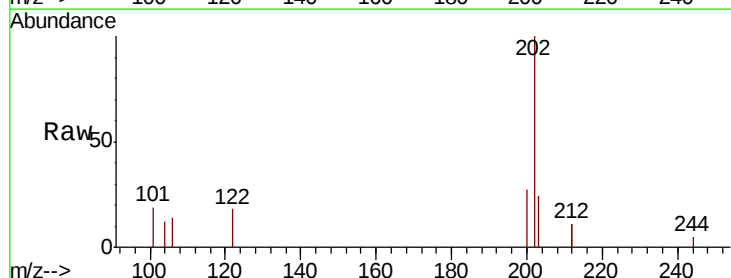
Tgt Ion:202 Resp: 2933

Ion Ratio Lower Upper

202 100

200 22.2 16.6 24.8

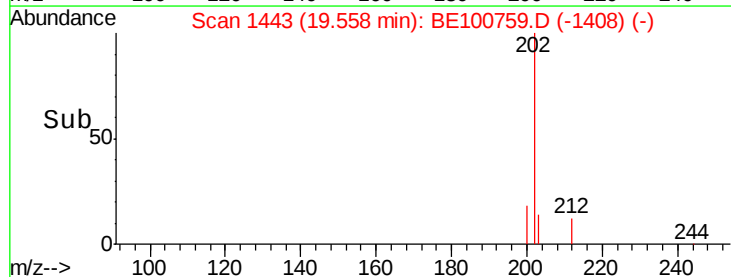
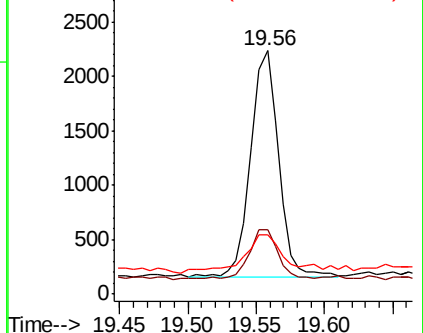
203 27.5 14.0 21.0#

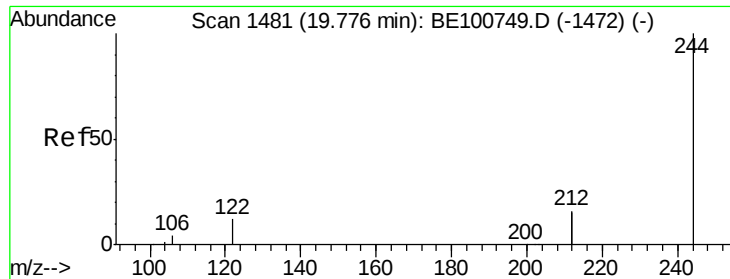


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#29

Terphenyl-d14

Concen: 0.481 ng

RT: 19.77 min Scan# 1480

Delta R.T. -0.01 min

Lab File: BE100759.D

Acq: 22 Nov 2019 15:10

Instrument :

BNA_E

ClientSampleId :

HF-102S

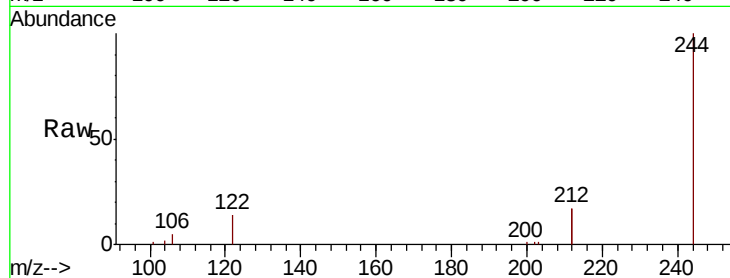
Tot Ion:244 Resp: 38725

Ion Ratio Lower Upper

244 100

212 33.0 25.2 37.8

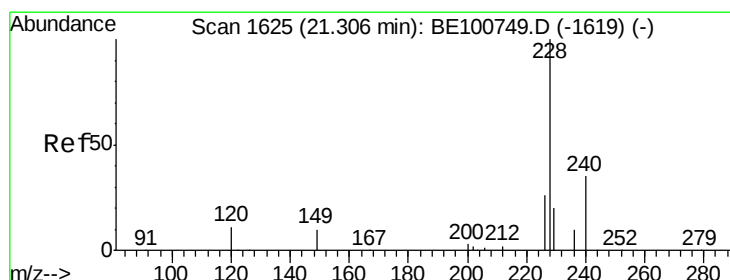
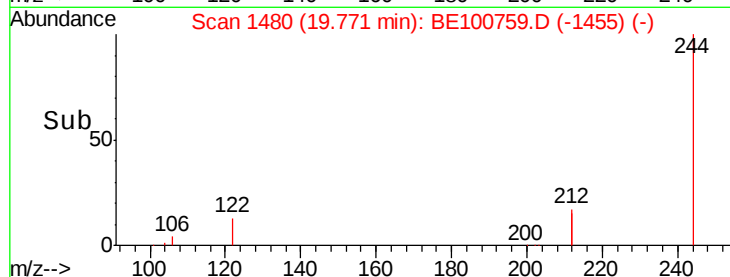
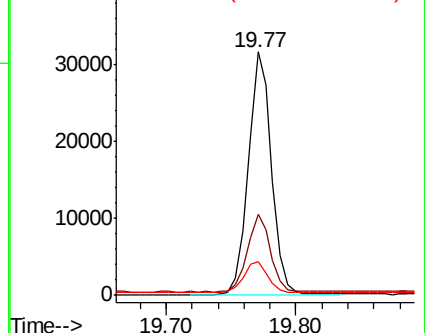
122 13.9 9.8 14.6



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: 0.023 ng

RT: 21.29 min Scan# 1624

Delta R.T. -0.01 min

Lab File: BE100759.D

Acq: 22 Nov 2019 15:10

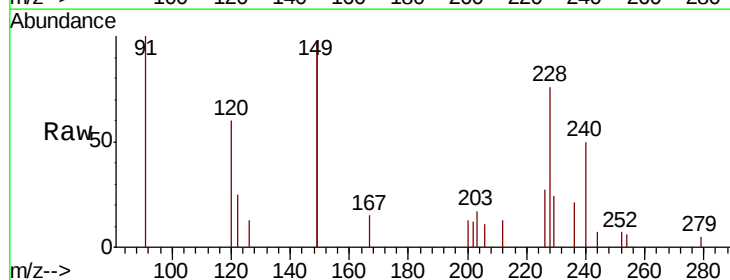
Tgt Ion:228 Resp: 2683

Ion Ratio Lower Upper

228 100

226 35.0 20.7 31.1#

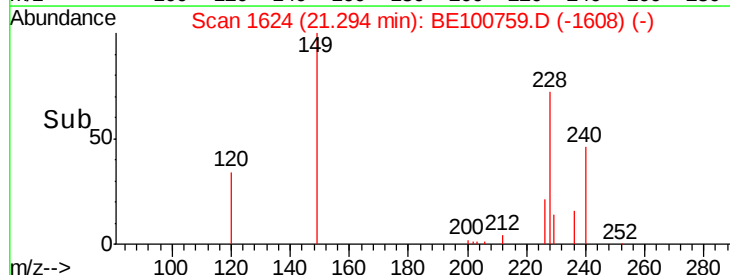
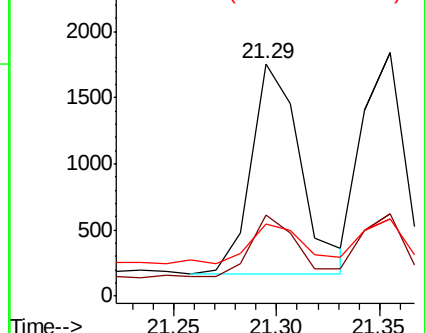
229 31.0 16.2 24.2#

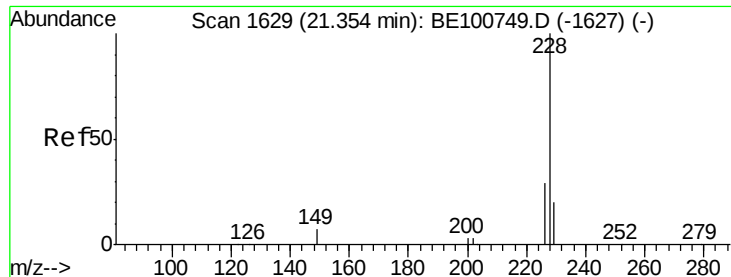


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#31

Chrysene

Concen: 0.020 ng

RT: 21.35 min Scan# 1629

Delta R.T. 0.00 min

Lab File: BE100759.D

Acq: 22 Nov 2019 15:10

Instrument :

BNA_E

ClientSampleId :

HF-102S

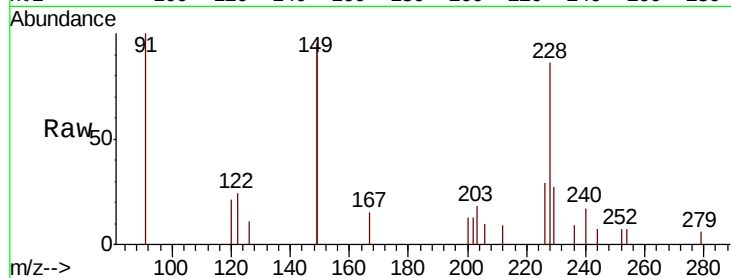
Tot Ion:228 Resp: 2443

Ion Ratio Lower Upper

228 100

226 34.0 23.8 35.6

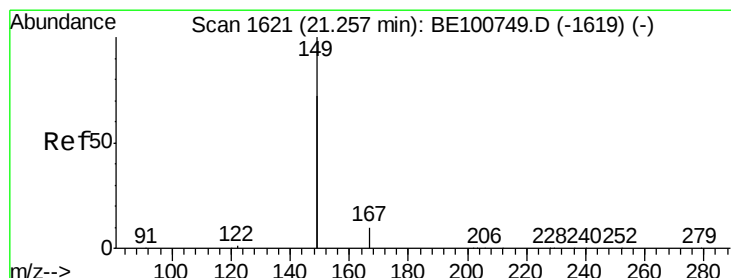
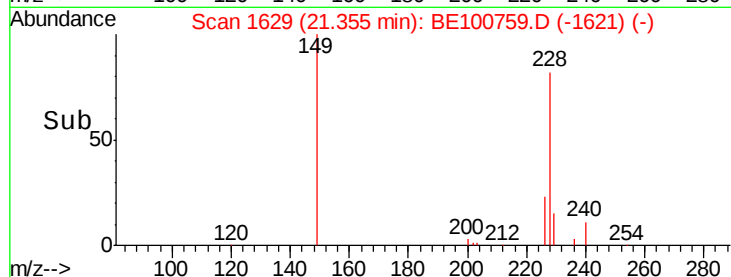
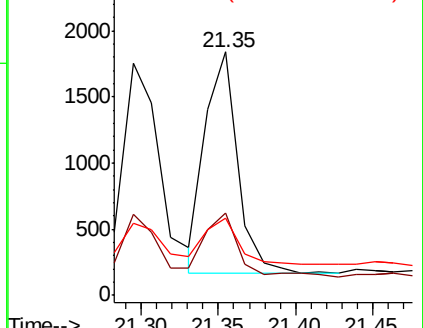
229 31.9 15.9 23.9#



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: 0.023 ng

RT: 21.26 min Scan# 1621

Delta R.T. 0.00 min

Lab File: BE100759.D

Acq: 22 Nov 2019 15:10

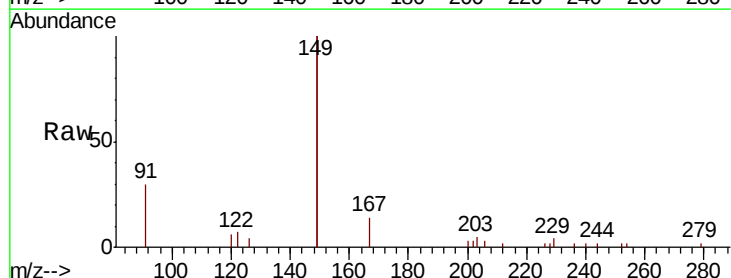
Tgt Ion:149 Resp: 12254

Ion Ratio Lower Upper

149 100

167 7.7 5.5 8.3

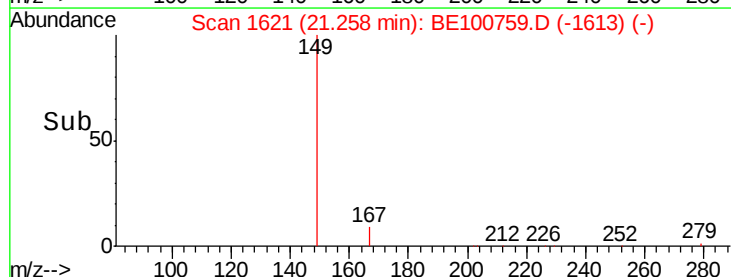
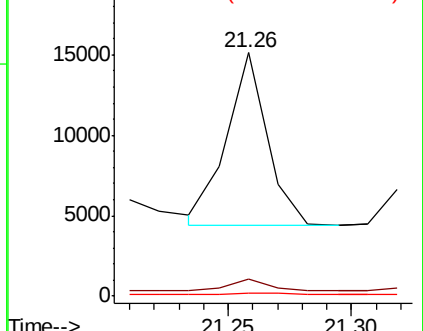
279 1.3 0.7 1.1#

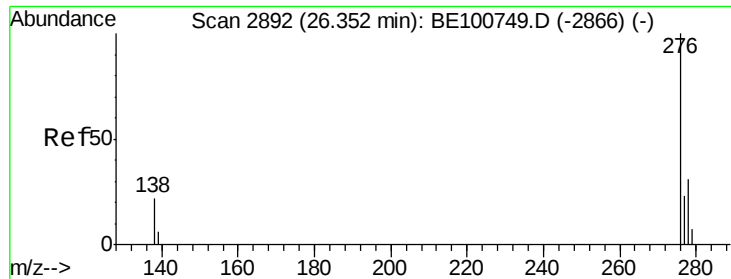


Abundance Ion 149.00 (148.70 to 149.70): E

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: 0.053 ng

RT: 26.35 min Scan# 2892

Delta R.T. 0.00 min

Lab File: BE100759.D

Acq: 22 Nov 2019 15:10

Instrument :

BNA_E

ClientSampleId :

HF-102S

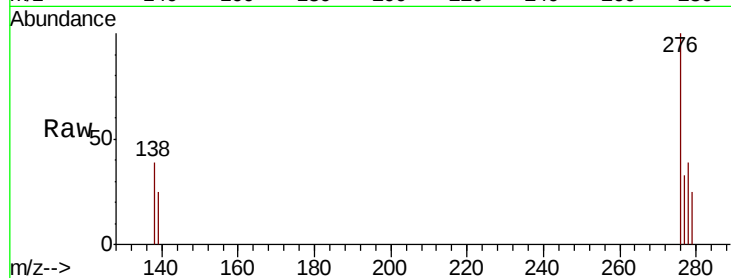
Tot Ion:276 Resp: 1963

Ion Ratio Lower Upper

276 100

138 26.4 19.8 29.6

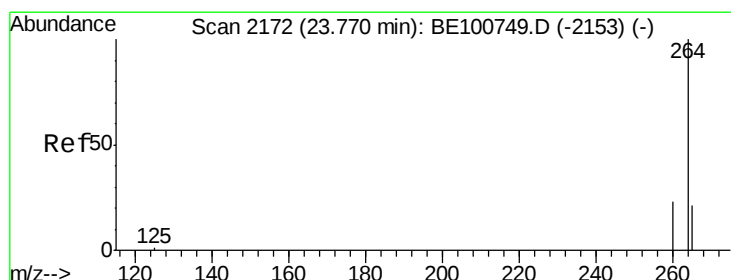
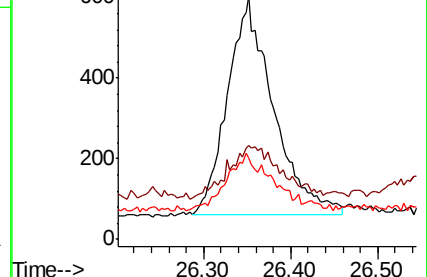
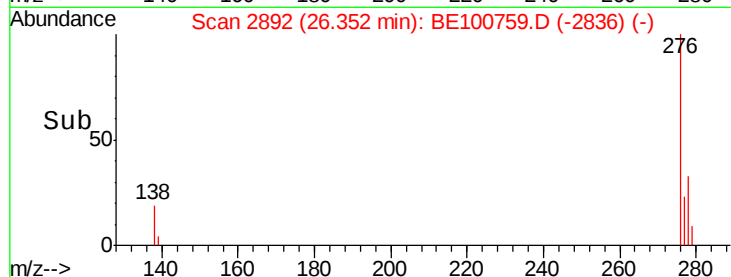
277 25.6 19.7 29.5



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# 2172

Delta R.T. -0.00 min

Lab File: BE100759.D

Acq: 22 Nov 2019 15:10

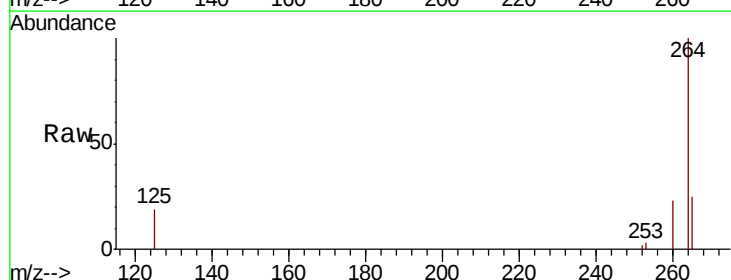
Tgt Ion:264 Resp: 39166

Ion Ratio Lower Upper

264 100

260 23.5 18.7 28.1

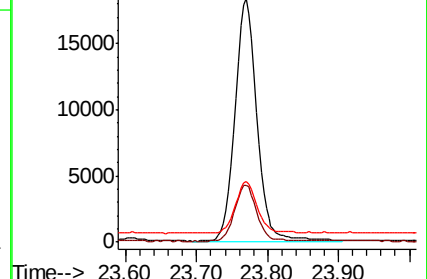
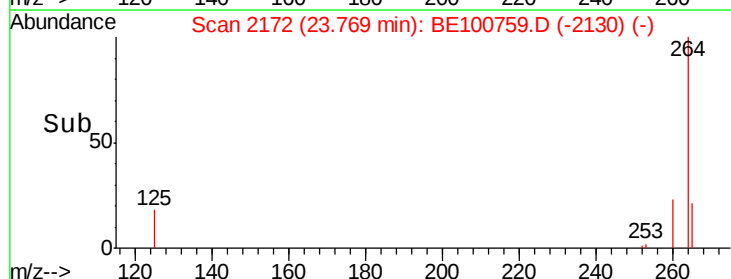
265 24.6 22.4 33.6

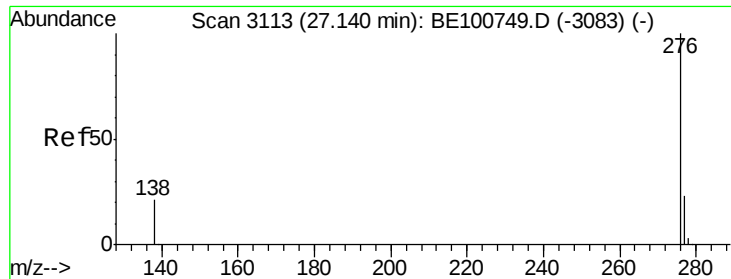


Abundance Ion 264.00 (263.70 to 264.70): E

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: 0.037 ng

RT: 27.14 min Scan# 3112

Delta R.T. -0.00 min

Lab File: BE100759.D

Acq: 22 Nov 2019 15:10

Instrument :

BNA_E

ClientSampleId :

HF-102S

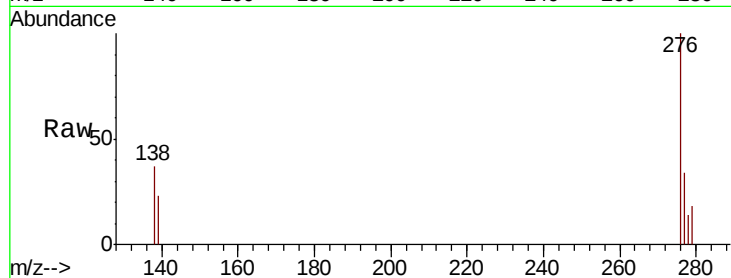
Tot Ion: 276 Resp: 1801

Ion Ratio Lower Upper

276 100

277 34.1 18.9 28.3#

138 36.8 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

