

Data Path : Z:\SVOASRV\HPCHEM1\BNA_E\DATA\BE111218\
 Data File : BE098189.D
 Acq On : 12 Nov 2018 14:13
 Operator : SJ/JU
 Sample : SSTDICV0.4
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 ICVBE111218

Quant Time: Nov 12 14:43:48 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_E\METHODS\8270-SIM-BE111218.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Nov 12 13:32:15 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.86	152	1292	0.40	ng	0.00
7) Naphthalene-d8	10.67	136	6173	0.40	ng	0.00
13) Acenaphthene-d10	14.53	164	4074	0.40	ng	0.00
19) Phenanthrene-d10	17.28	188	9525	0.40	ng	0.00
27) Chrysene-d12	21.46	240	11333	0.40	ng	0.00
34) Perylene-d12	24.01	264	10479	0.40	ng	0.00

System Monitoring Compounds						
4) 2-Fluorophenol	5.46	112	1449	0.40	ng	0.00
5) Phenol-d6	7.05	99	2175	0.37	ng	0.00
8) Nitrobenzene-d5	9.03	82	2468	0.40	ng	0.01
11) 2-Methylnaphthalene-d10	12.27	152	4192	0.39	ng	0.00
14) 2,4,6-Tribromophenol	16.03	330	602	0.34	ng	0.01
15) 2-Fluorobiphenyl	13.15	172	6492	0.38	ng	0.00
25) Fluoranthene-d10	19.31	212	44563	0.37	ng	0.00
29) Terphenyl-d14	19.91	244	9186	0.36	ng	0.00

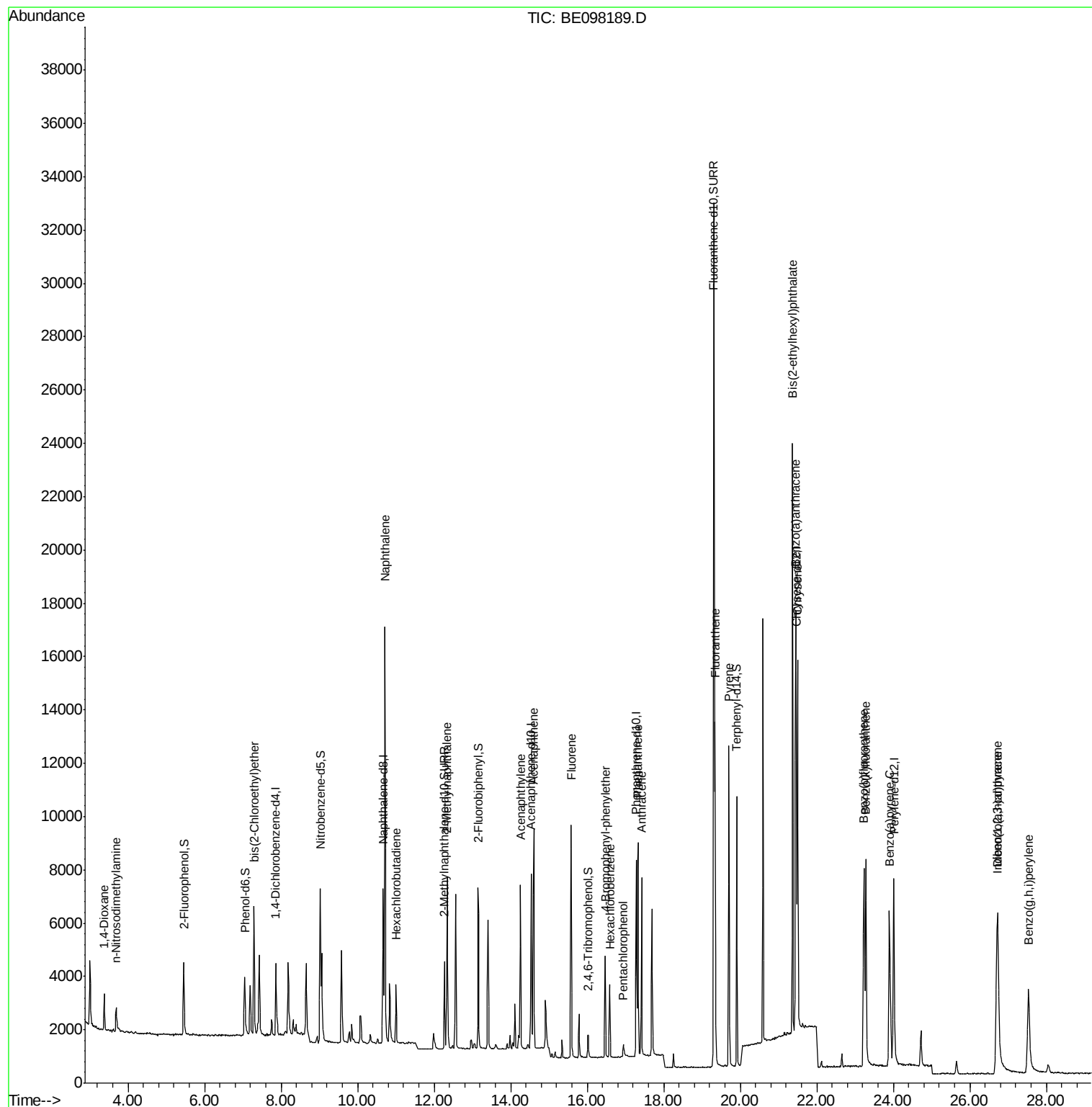
Target Compounds				Qvalue		
2) 1,4-Dioxane	3.37	88	847	0.436	ng	86
3) n-Nitrosodimethylamine	3.69	42	909	0.358	ng	# 90
6) bis(2-Chloroethyl)ether	7.29	93	1729	0.366	ng	100
9) Naphthalene	10.72	128	24383	0.388	ng	100
10) Hexachlorobutadiene	11.00	225	1452	0.372	ng	96
12) 2-Methylnaphthalene	12.34	142	4279	0.393	ng	94
16) Acenaphthylene	14.26	152	7356	0.394	ng	99
17) Acenaphthene	14.60	154	4467	0.392	ng	100
18) Fluorene	15.58	166	5676	0.389	ng	99
20) 4-Bromophenyl-phenylether	16.48	248	2299	0.396	ng	# 78
21) Hexachlorobenzene	16.59	284	2333	0.386	ng	99
22) Pentachlorophenol	16.94	266	385	0.366	ng	94
23) Phenanthrene	17.33	178	9195	0.388	ng	100
24) Anthracene	17.42	178	8438	0.382	ng	99
26) Fluoranthene	19.34	202	11243	0.383	ng	99
28) Pyrene	19.71	202	11494	0.369	ng	100
30) Benzo(a)anthracene	21.45	228	11905	0.370	ng	99
31) Chrysene	21.50	228	12130	0.371	ng	100
32) Bis(2-ethylhexyl)phthalate	21.37	149	23050	0.345	ng	100
33) Indeno(1,2,3-cd)pyrene	26.70	276	11361	0.379	ng	99
35) Benzo(b)fluoranthene	23.23	252	10935	0.368	ng	98
36) Benzo(k)fluoranthene	23.28	252	12123	0.386	ng	100
37) Benzo(a)pyrene	23.90	252	10782	0.378	ng	98
38) Dibenzo(a,h)anthracene	26.73	278	8979	0.370	ng	97
39) Benzo(g,h,i)perylene	27.53	276	9600	0.379	ng	99

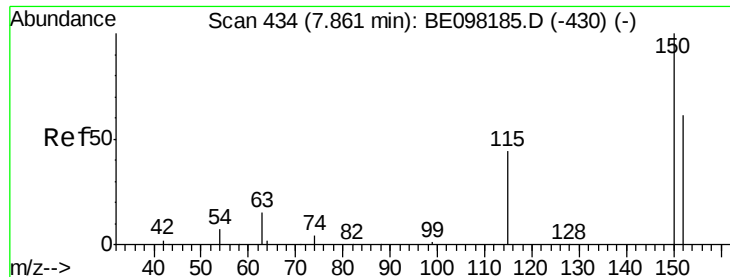
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 0.400 ng

RT: 7.86 min Scan# 434

Delta R.T. 0.00 min

Lab File: BE098189.D

Acq: 12 Nov 2018 14:13

Instrument :

BNA_E

ClientSampleId :

ICVBE111218

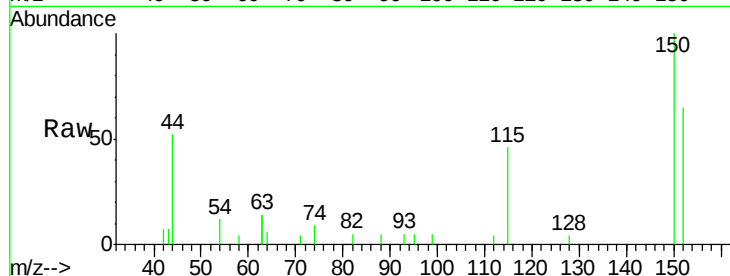
Tgt Ion:152 Resp: 1292

Ion Ratio Lower Upper

152 100

150 153.6 127.5 191.3

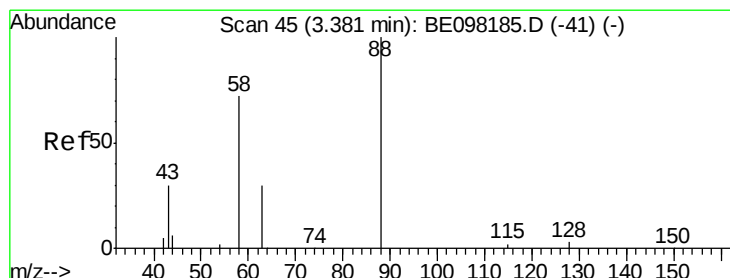
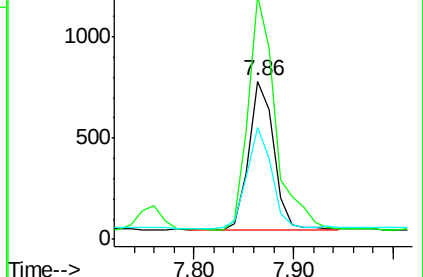
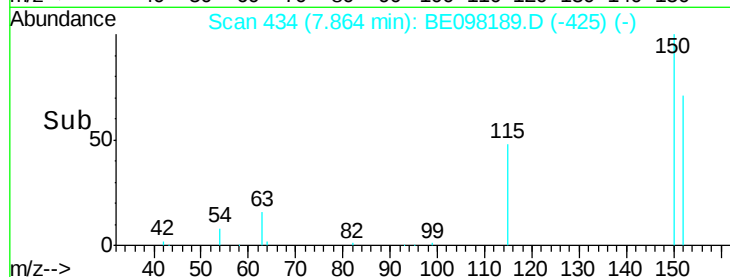
115 70.9 60.3 90.5



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 115.00 (114.70 to 115.70): E



#2

1,4-Dioxane

Concen: 0.436 ng

RT: 3.37 min Scan# 44

Delta R.T. -0.01 min

Lab File: BE098189.D

Acq: 12 Nov 2018 14:13

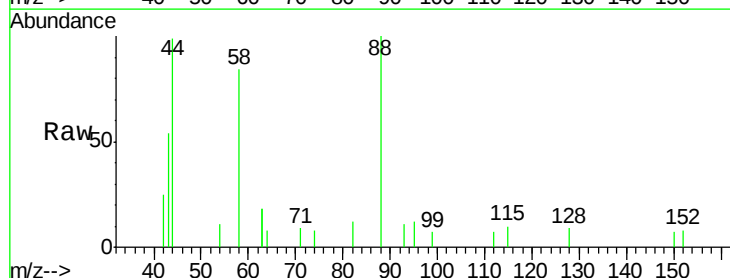
Tgt Ion: 88 Resp: 847

Ion Ratio Lower Upper

88 100

58 82.1 79.0 118.4

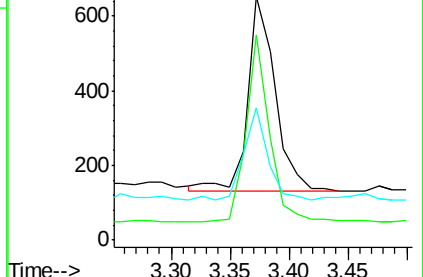
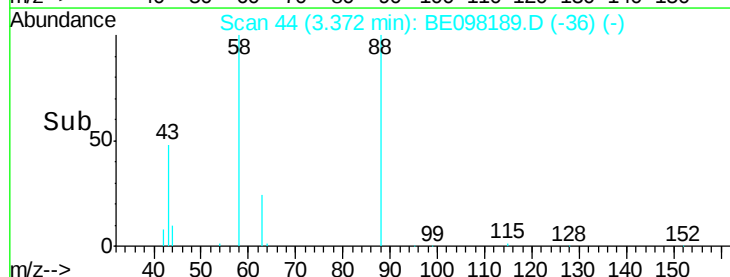
43 42.4 38.1 57.1

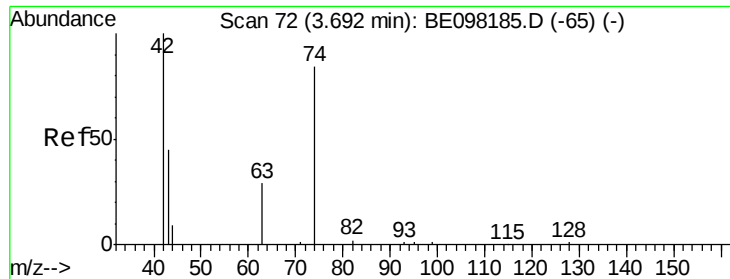


Abundance Ion 88.00 (87.70 to 88.70): BE0

Ion 58.00 (57.70 to 58.70): BE0

Ion 43.00 (42.70 to 43.70): BE0





#3

n-Nitrosodimethylamine

Concen: 0.358 ng

RT: 3.69 min Scan# 72

Delta R.T. 0.00 min

Lab File: BE098189.D

Acq: 12 Nov 2018 14:13

Instrument :

BNA_E

ClientSampleId :

ICVBE111218

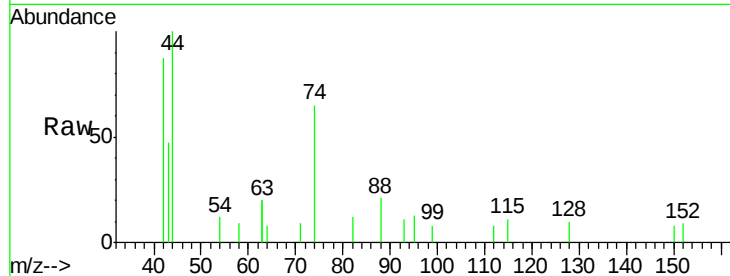
Tgt Ion: 42 Resp: 909

Ion Ratio Lower Upper

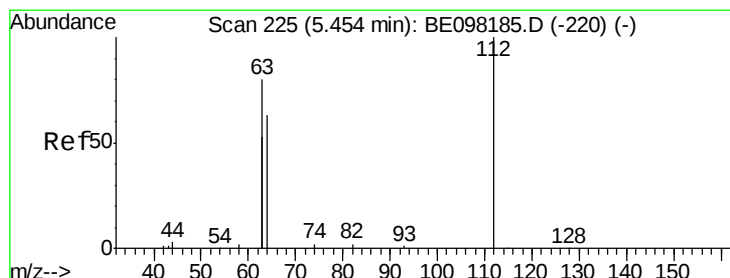
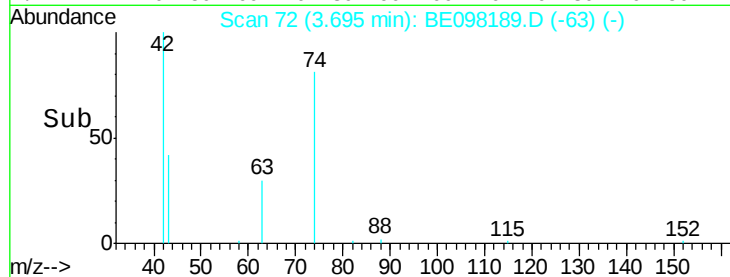
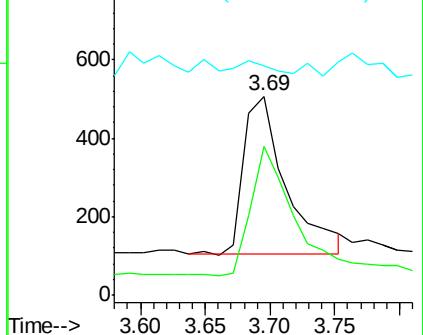
42 100

74 81.6 61.7 92.5

44 4.1 14.0 21.0#



Abundance Ion 42.00 (41.70 to 42.70): BE0
Ion 74.00 (73.70 to 74.70): BE0
Ion 44.00 (43.70 to 44.70): BE0



#4

2-Fluorophenol

Concen: 0.397 ng

RT: 5.46 min Scan# 225

Delta R.T. 0.00 min

Lab File: BE098189.D

Acq: 12 Nov 2018 14:13

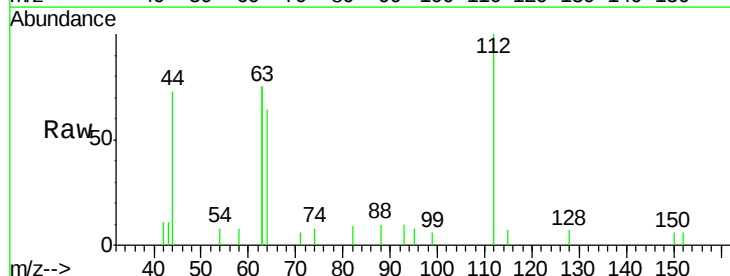
Tgt Ion: 112 Resp: 1449

Ion Ratio Lower Upper

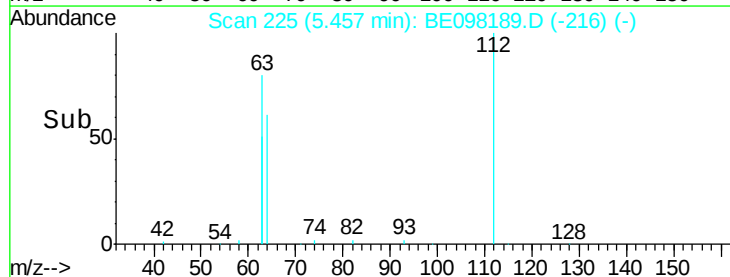
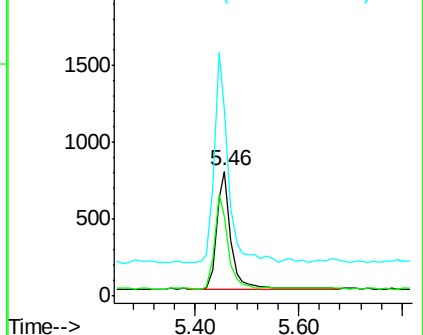
112 100

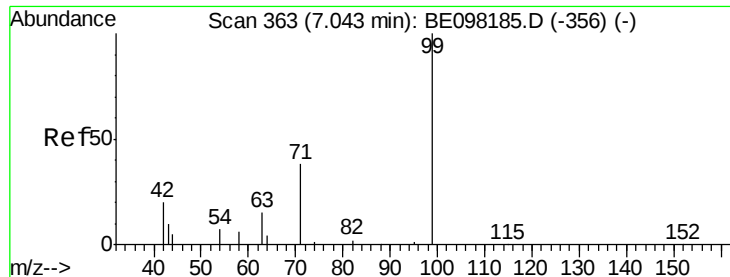
64 75.0 61.7 92.5

63 172.3 136.2 204.2



Abundance Ion 112.00 (111.70 to 112.70): E
Ion 64.00 (63.70 to 64.70): BE0
Ion 63.00 (62.70 to 63.70): BE0





#5

Phenol-d6

Concen: 0.371 ng

RT: 7.05 min Scan# 363

Delta R.T. 0.00 min

Lab File: BE098189.D

Acq: 12 Nov 2018 14:13

Instrument :

BNA_E

ClientSampleId :

ICVBE111218

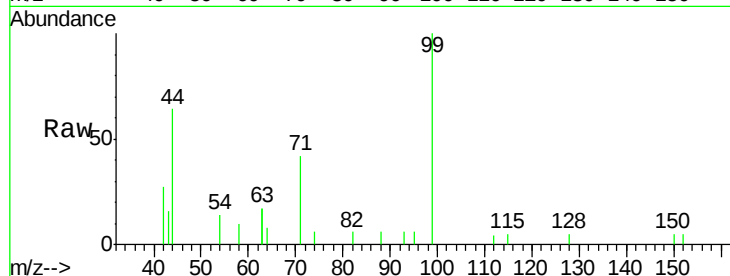
Tgt Ion: 99 Resp: 2175

Ion Ratio Lower Upper

99 100

42 30.9 27.1 40.7

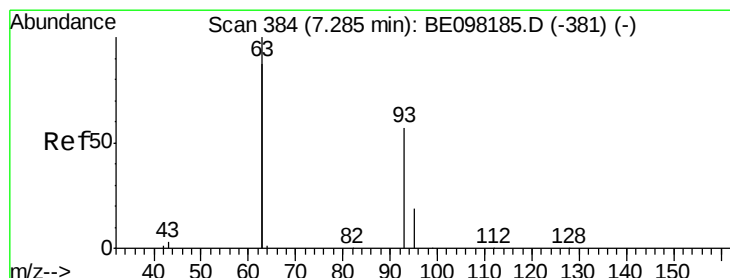
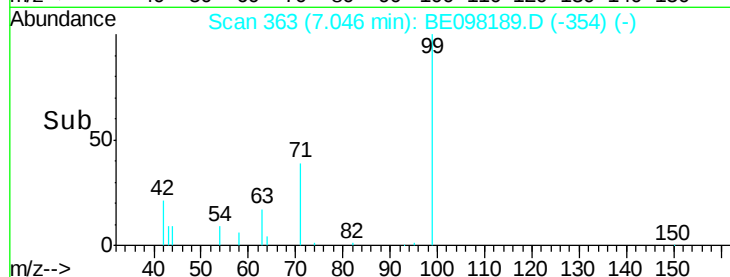
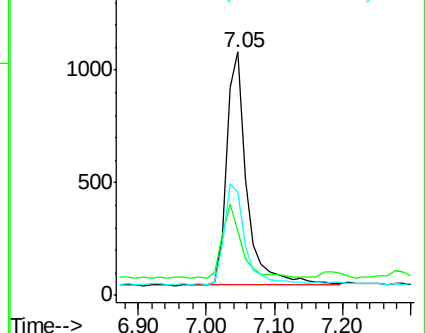
71 44.2 37.0 55.6



Abundance Ion 99.00 (98.70 to 99.70): BE0

Ion 42.00 (41.70 to 42.70): BE0

Ion 71.00 (70.70 to 71.70): BE0



#6

bis(2-Chloroethyl)ether

Concen: 0.366 ng

RT: 7.29 min Scan# 384

Delta R.T. 0.00 min

Lab File: BE098189.D

Acq: 12 Nov 2018 14:13

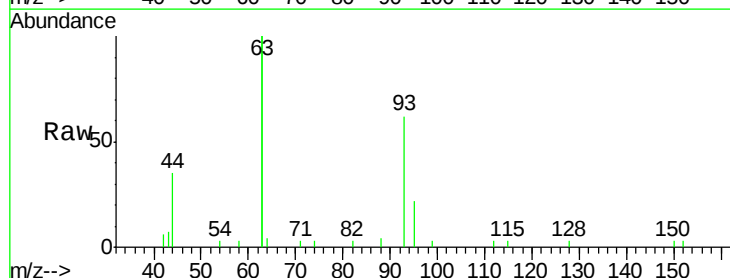
Tgt Ion: 93 Resp: 1729

Ion Ratio Lower Upper

93 100

63 340.4 272.6 409.0

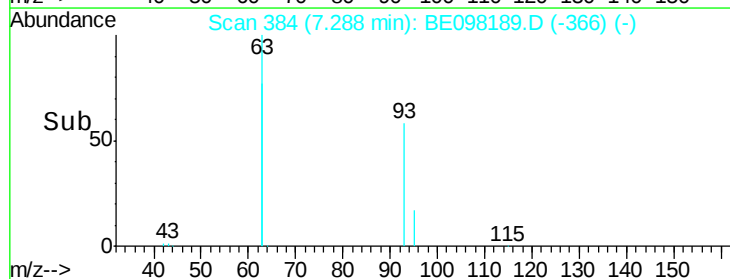
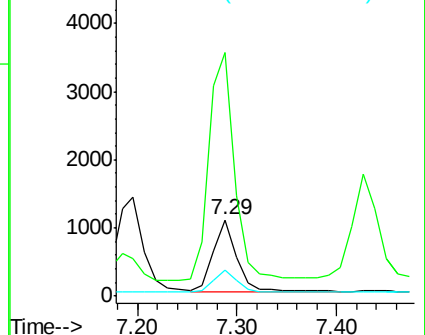
95 32.4 27.1 40.7

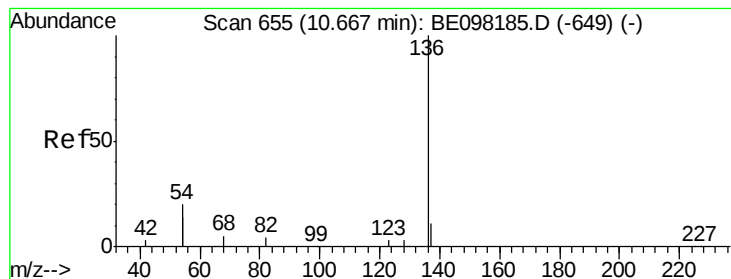


Abundance Ion 93.00 (92.70 to 93.70): BE0

Ion 63.00 (62.70 to 63.70): BE0

Ion 95.00 (94.70 to 95.70): BE0





#7

Naphthalene-d8

Concen: 0.400 ng

RT: 10.67 min Scan# 654

Delta R.T. -0.00 min

Lab File: BE098189.D

Acq: 12 Nov 2018 14:13

Instrument :

BNA_E

ClientSampleId :

ICVBE111218

Tgt Ion:136 Resp: 6173

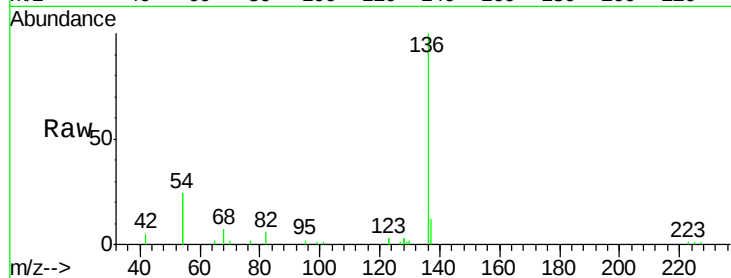
Ion Ratio Lower Upper

136 100

137 12.0 9.5 14.3

54 48.1 31.3 46.9#

68 7.2 4.8 7.2#

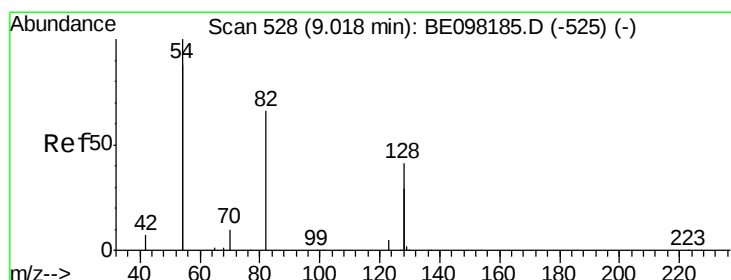
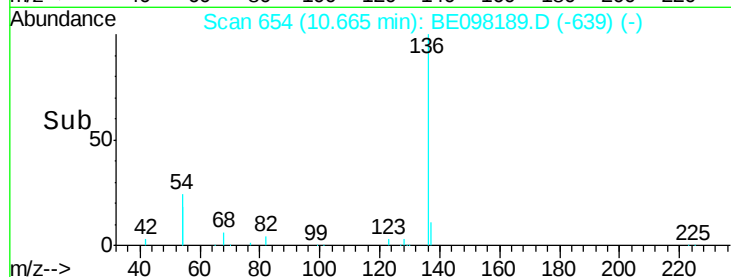
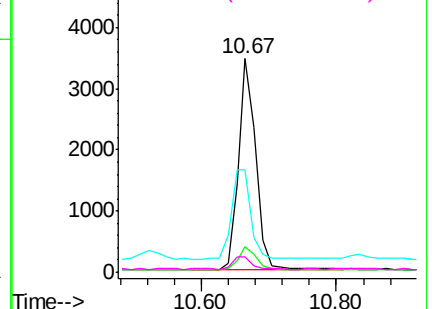


Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BE0

Ion 68.00 (67.70 to 68.70): BE0



#8

Nitrobenzene-d5

Concen: 0.401 ng

RT: 9.03 min Scan# 528

Delta R.T. 0.01 min

Lab File: BE098189.D

Acq: 12 Nov 2018 14:13

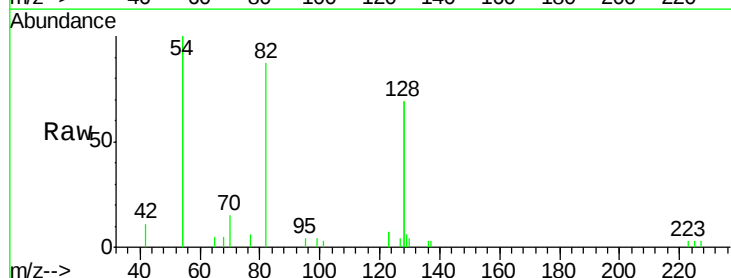
Tgt Ion: 82 Resp: 2468

Ion Ratio Lower Upper

82 100

128 157.3 96.1 144.1#

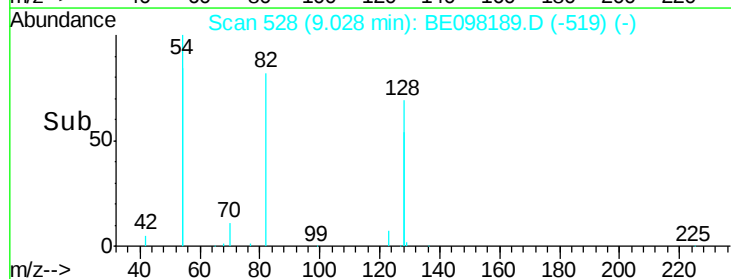
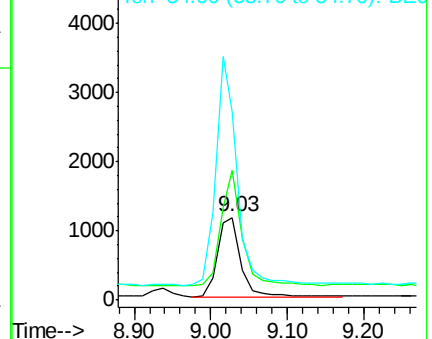
54 229.6 232.0 348.0#

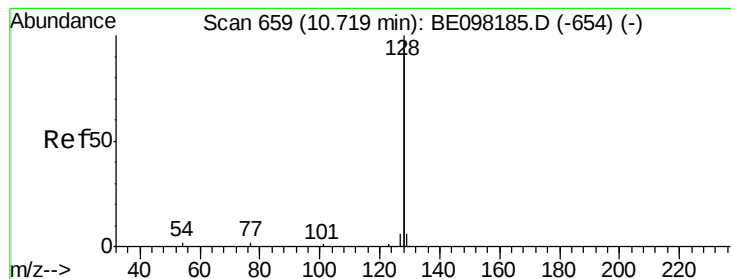


Abundance Ion 82.00 (81.70 to 82.70): BE0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BE0





#9

Naphthalene

Concen: 0.388 ng

RT: 10.72 min Scan# 658

Delta R.T. -0.00 min

Lab File: BE098189.D

Acq: 12 Nov 2018 14:13

Instrument :

BNA_E

ClientSampleId :

ICVBE111218

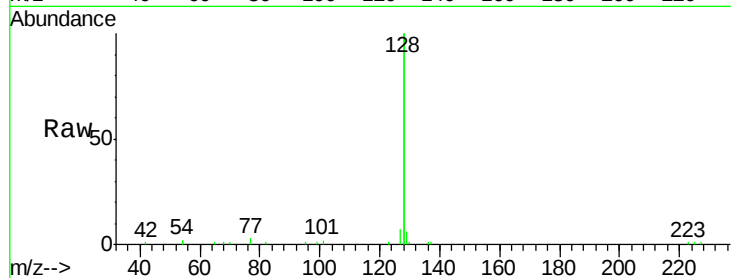
Tgt Ion:128 Resp: 24383

Ion Ratio Lower Upper

128 100

129 3.1 2.6 4.0

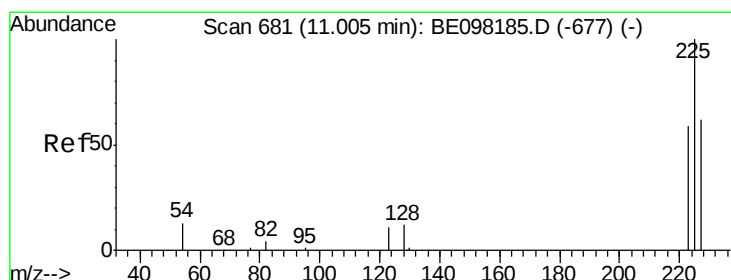
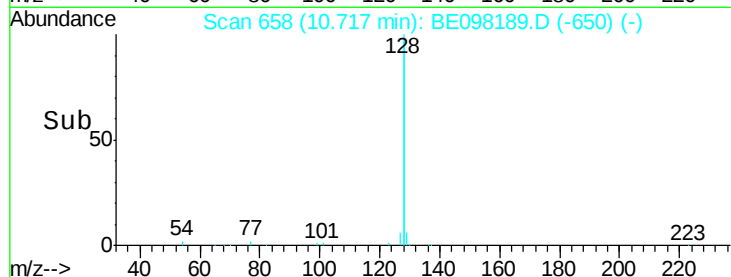
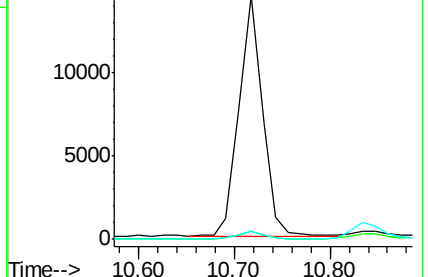
127 3.5 2.8 4.2



Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E



#10

Hexachlorobutadiene

Concen: 0.372 ng

RT: 11.00 min Scan# 680

Delta R.T. -0.00 min

Lab File: BE098189.D

Acq: 12 Nov 2018 14:13

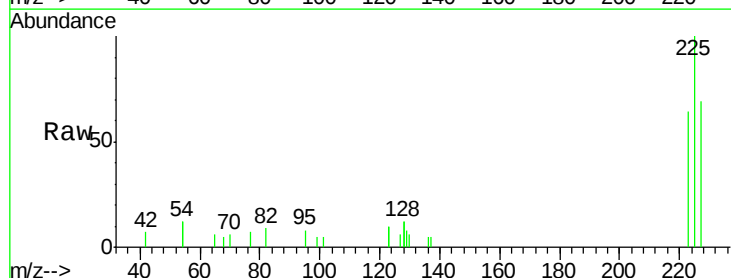
Tgt Ion:225 Resp: 1452

Ion Ratio Lower Upper

225 100

223 64.6 50.5 75.7

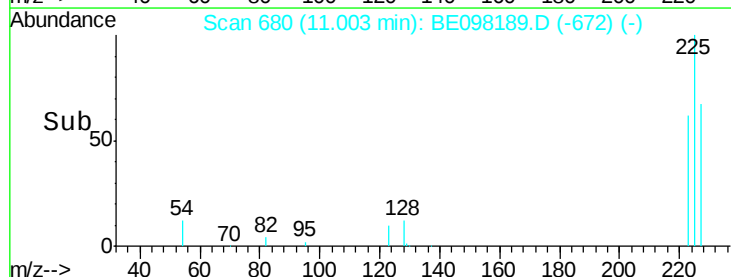
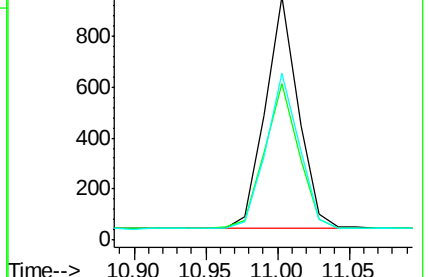
227 67.8 50.3 75.5

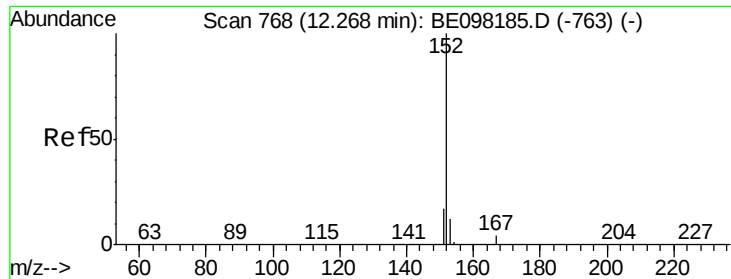


Abundance Ion 225.00 (224.70 to 225.70): E

Ion 223.00 (222.70 to 223.70): E

Ion 227.00 (226.70 to 227.70): E

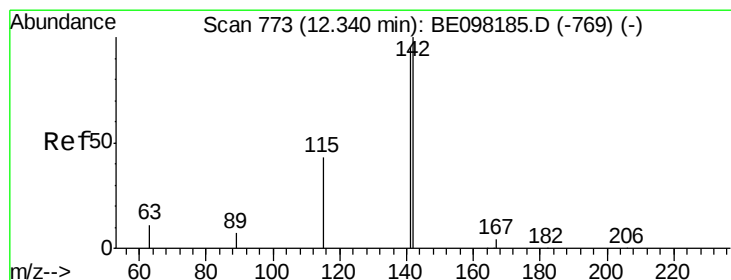
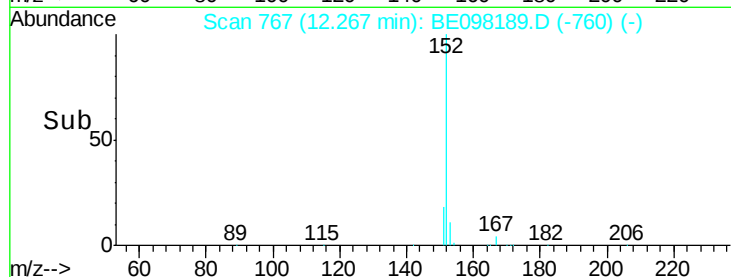
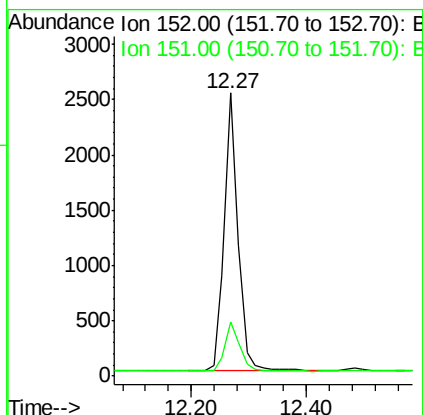
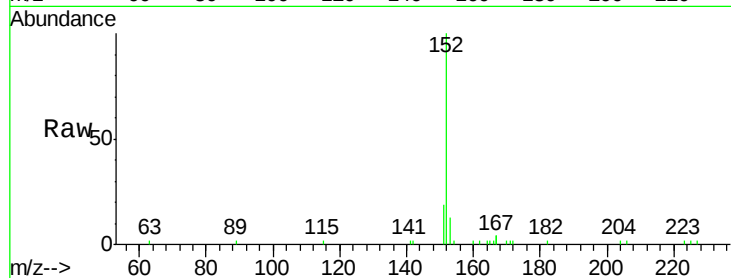




#11
 2-Methylnaphthalene-d10
 Concen: 0.387 ng
 RT: 12.27 min Scan# 767
 Delta R.T. -0.00 min
 Lab File: BE098189.D
 Acq: 12 Nov 2018 14:13

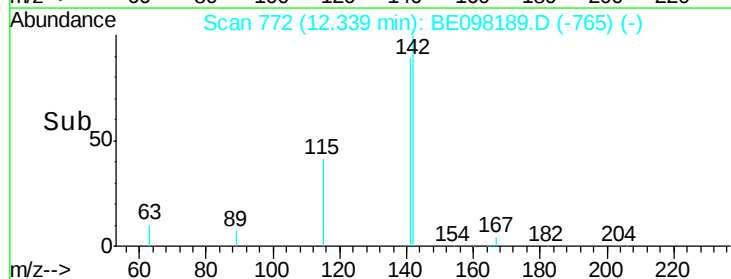
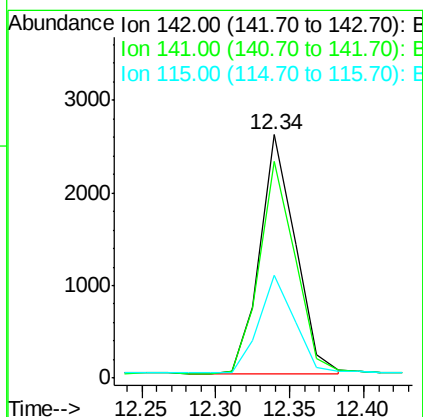
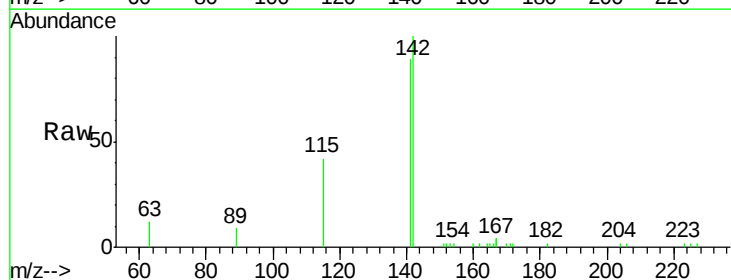
Instrument :
 BNA_E
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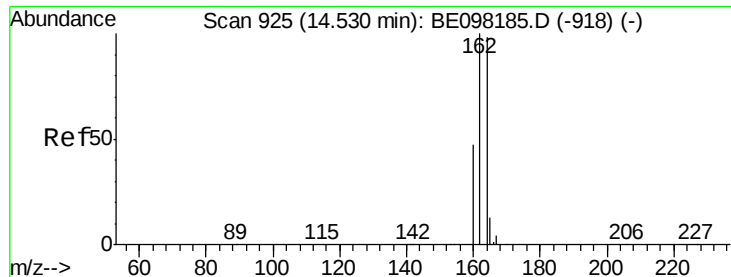
Tgt Ion:152 Resp: 4192
 Ion Ratio Lower Upper
 152 100
 151 19.6 15.4 23.2



#12
 2-Methylnaphthalene
 Concen: 0.393 ng
 RT: 12.34 min Scan# 772
 Delta R.T. -0.00 min
 Lab File: BE098189.D
 Acq: 12 Nov 2018 14:13

Tgt Ion:142 Resp: 4279
 Ion Ratio Lower Upper
 142 100
 141 89.2 76.3 114.5
 115 42.2 35.8 53.8





#13

Acenaphthene-d10

Concen: 0.400 ng

RT: 14.53 min Scan# 924

Delta R.T. -0.00 min

Lab File: BE098189.D

Acq: 12 Nov 2018 14:13

Instrument :

BNA_E

ClientSampleId :

ICVBE111218

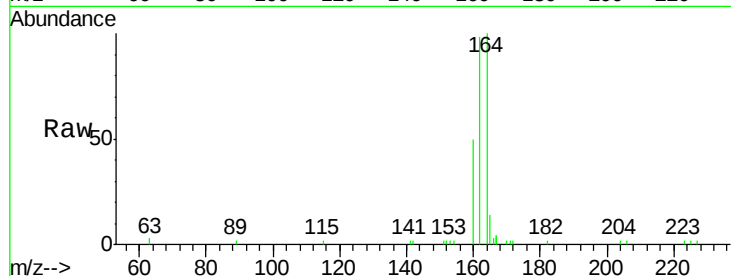
Tgt Ion:164 Resp: 4074

Ion Ratio Lower Upper

164 100

162 98.5 81.8 122.6

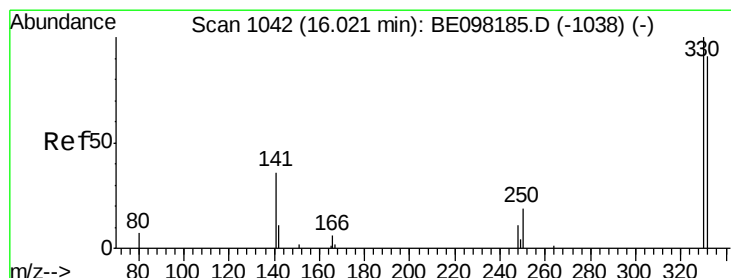
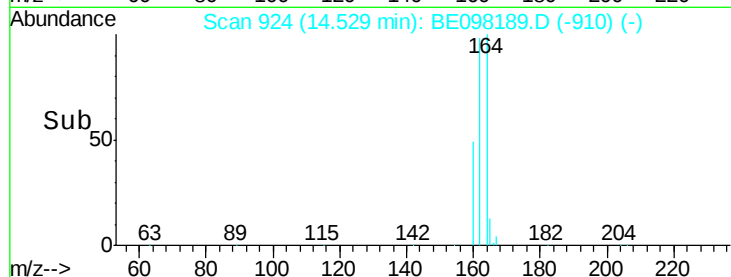
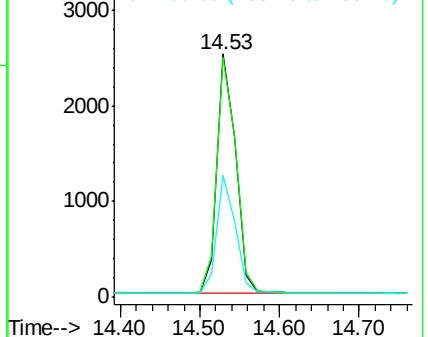
160 49.9 39.4 59.0



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: 0.339 ng

RT: 16.03 min Scan# 1042

Delta R.T. 0.01 min

Lab File: BE098189.D

Acq: 12 Nov 2018 14:13

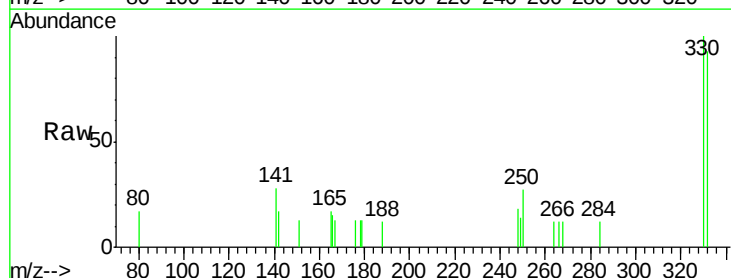
Tgt Ion:330 Resp: 602

Ion Ratio Lower Upper

330 100

332 91.2 77.7 116.5

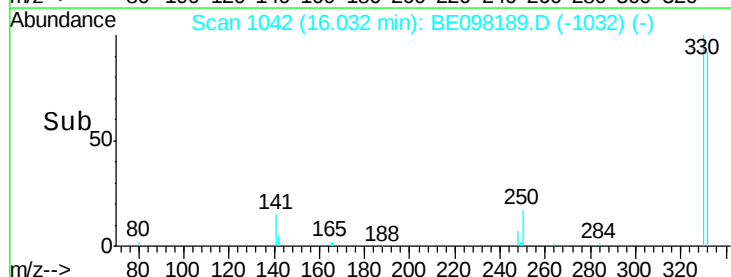
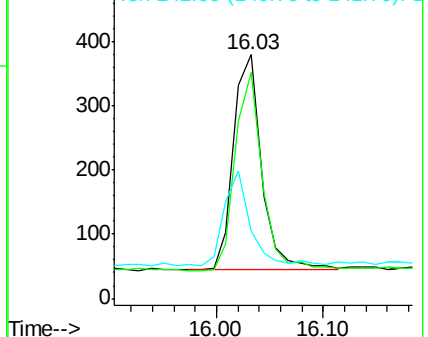
141 42.4 33.6 50.4

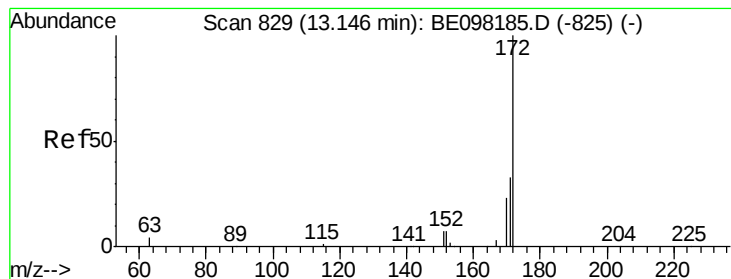


Abundance Ion 330.00 (329.70 to 330.70): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E





#15

2-Fluorobiphenyl

Concen: 0.381 ng

RT: 13.15 min Scan# 828

Delta R.T. -0.00 min

Lab File: BE098189.D

Acq: 12 Nov 2018 14:13

Instrument :

BNA_E

ClientSampleId :

ICVBE111218

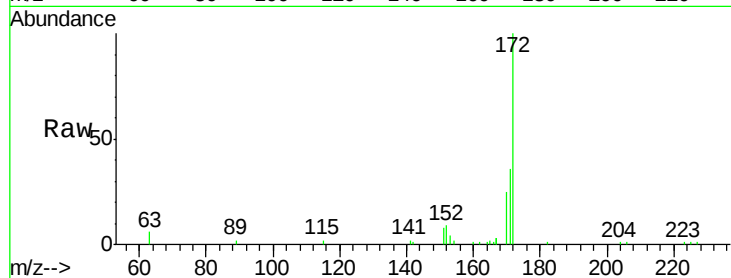
Tgt Ion:172 Resp: 6492

Ion Ratio Lower Upper

172 100

171 35.8 27.3 40.9

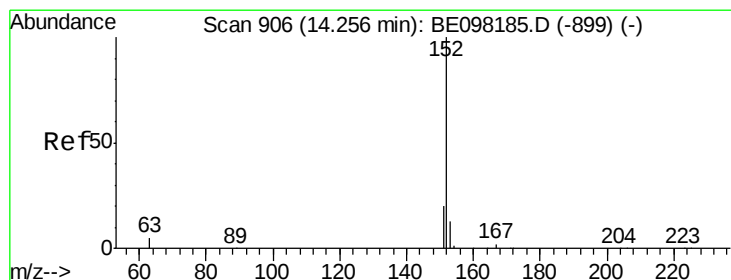
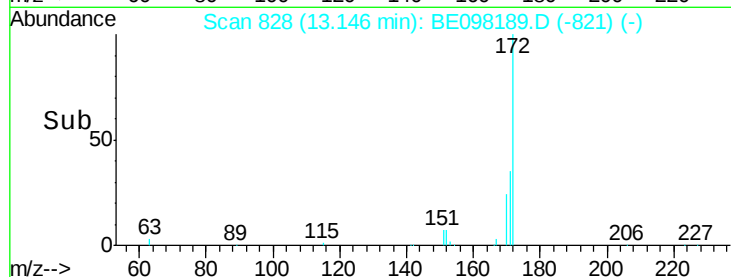
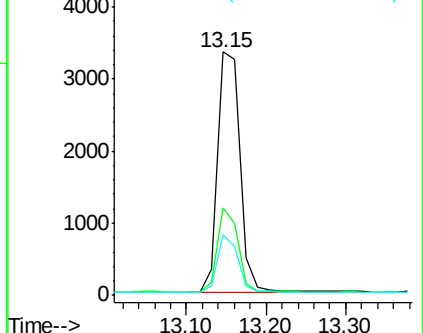
170 24.7 19.4 29.0



Abundance Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E



#16

Acenaphthylene

Concen: 0.394 ng

RT: 14.26 min Scan# 905

Delta R.T. -0.00 min

Lab File: BE098189.D

Acq: 12 Nov 2018 14:13

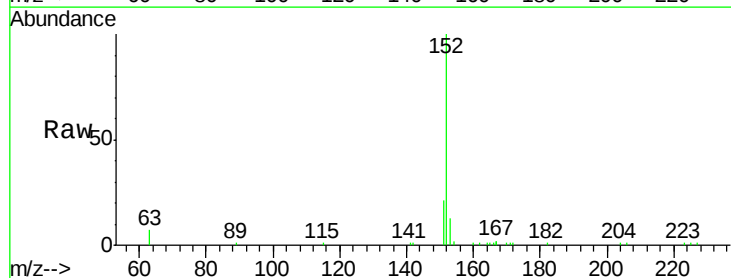
Tgt Ion:152 Resp: 7356

Ion Ratio Lower Upper

152 100

151 20.4 16.4 24.6

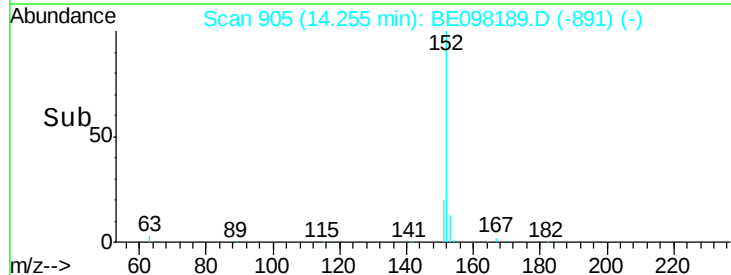
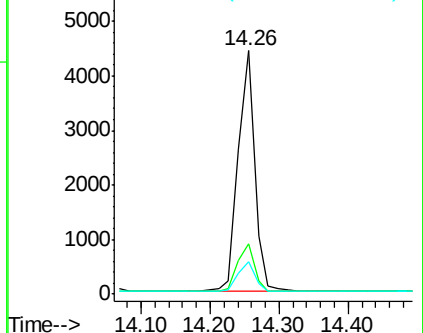
153 12.6 10.6 15.8

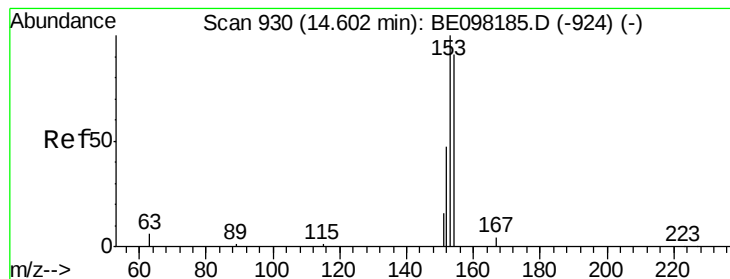


Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E





#17

Acenaphthene

Concen: 0.392 ng

RT: 14.60 min Scan# 929

Delta R.T. -0.00 min

Lab File: BE098189.D

Acq: 12 Nov 2018 14:13

Instrument :

BNA_E

ClientSampleId :

ICVBE111218

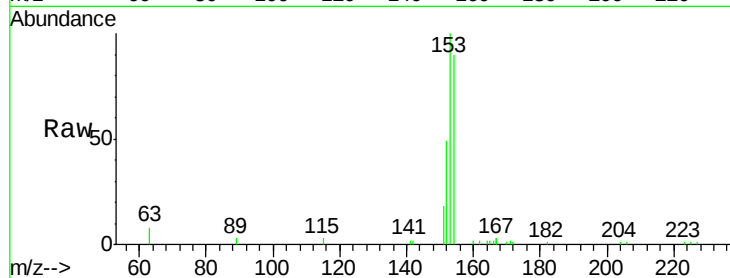
Tgt Ion:154 Resp: 4467

Ion Ratio Lower Upper

154 100

153 114.6 92.1 138.1

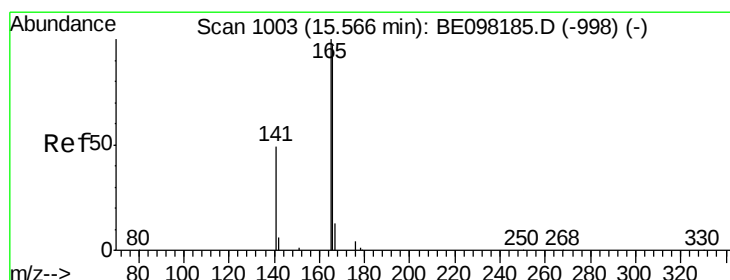
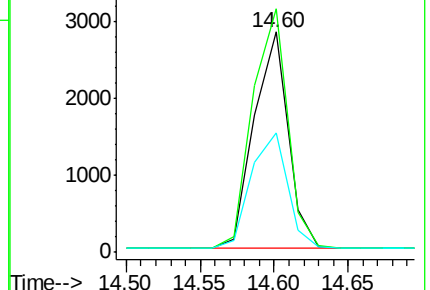
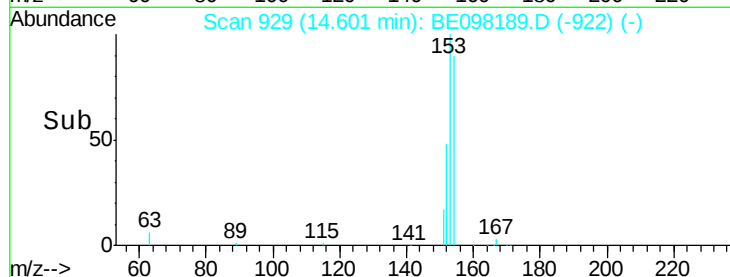
152 57.8 46.2 69.2



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: 0.389 ng

RT: 15.58 min Scan# 1003

Delta R.T. 0.01 min

Lab File: BE098189.D

Acq: 12 Nov 2018 14:13

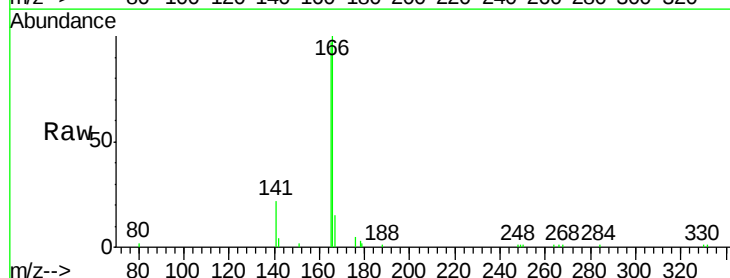
Tgt Ion:166 Resp: 5676

Ion Ratio Lower Upper

166 100

165 98.8 80.1 120.1

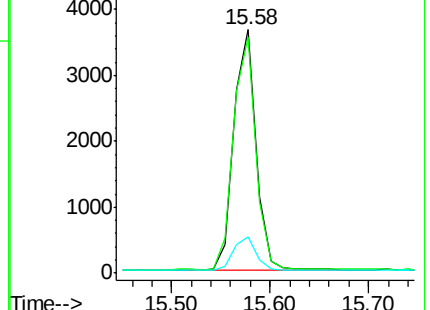
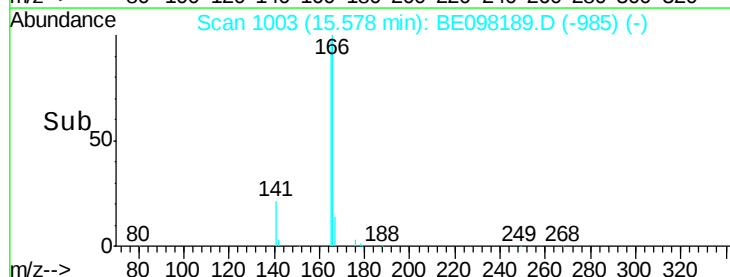
167 14.2 10.8 16.2

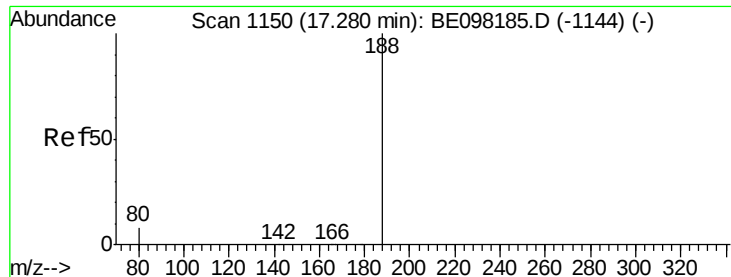


Abundance Ion 166.00 (165.70 to 166.70): E

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: 17.28 min Scan# 1149

Delta R.T. -0.00 min

Lab File: BE098189.D

Acq: 12 Nov 2018 14:13

Instrument :

BNA_E

ClientSampleId :

ICVBE111218

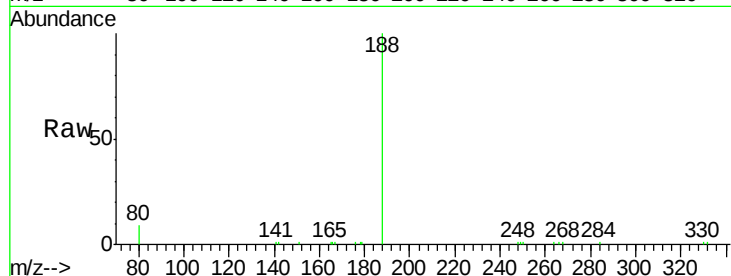
Tgt Ion:188 Resp: 9525

Ion Ratio Lower Upper

188 100

94 0.0 0.0 0.0

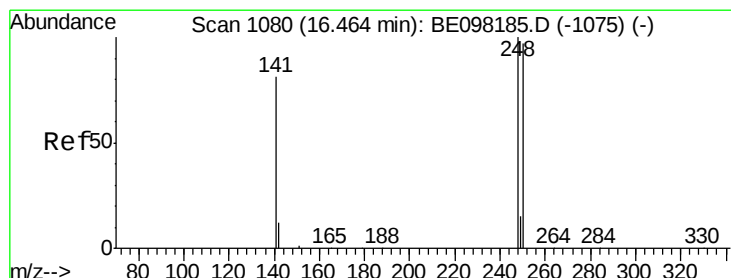
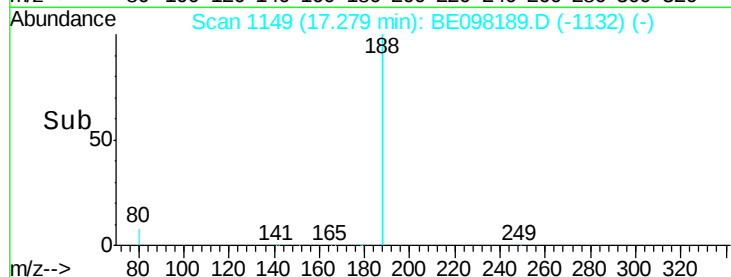
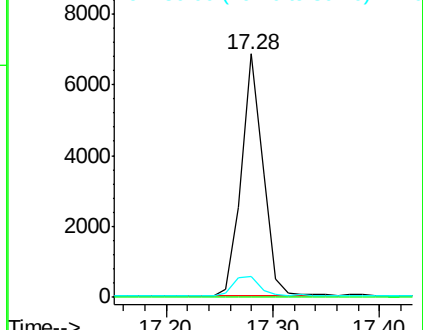
80 8.7 6.7 10.1



Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BE0

Ion 80.00 (79.70 to 80.70): BE0



#20

4-Bromophenyl-phenylether

Concen: 0.396 ng

RT: 16.48 min Scan# 1080

Delta R.T. 0.01 min

Lab File: BE098189.D

Acq: 12 Nov 2018 14:13

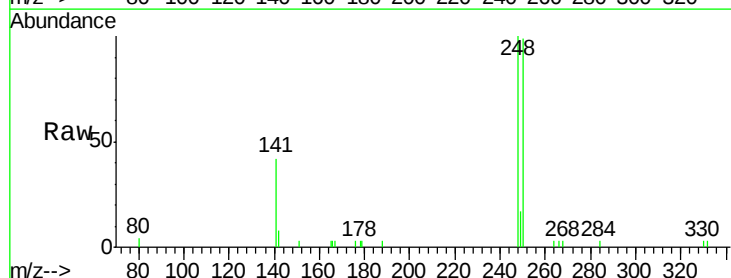
Tgt Ion:248 Resp: 2299

Ion Ratio Lower Upper

248 100

250 99.4 77.6 116.4

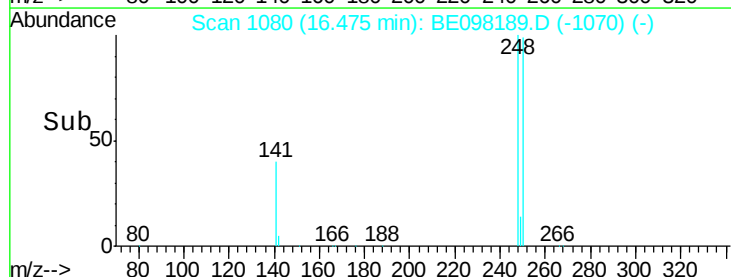
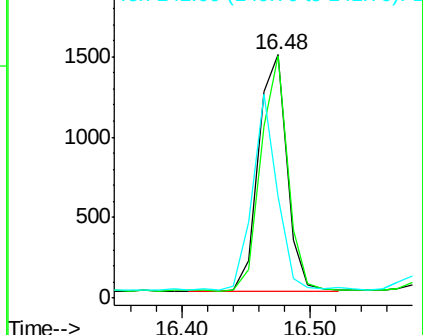
141 42.0 65.8 98.8#

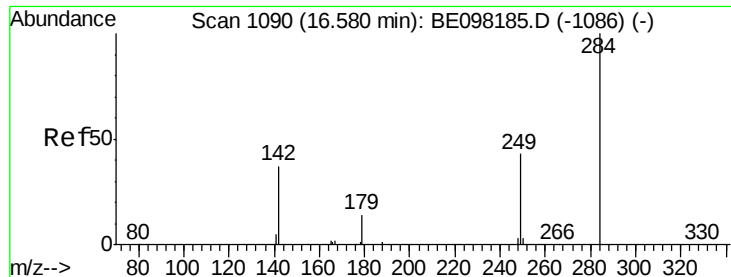


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E

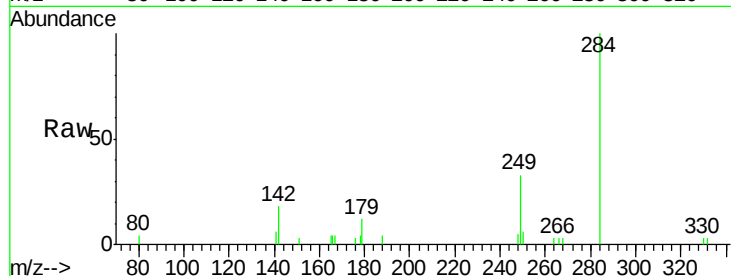




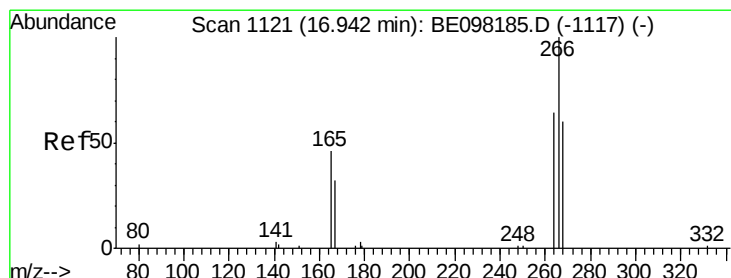
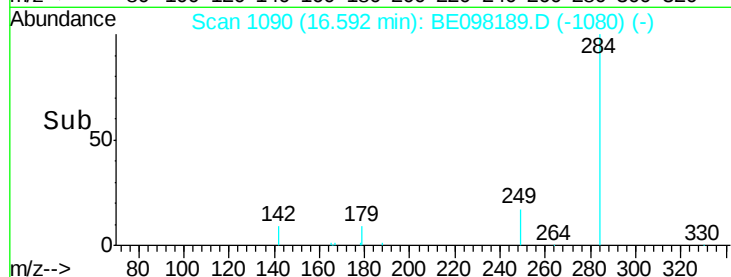
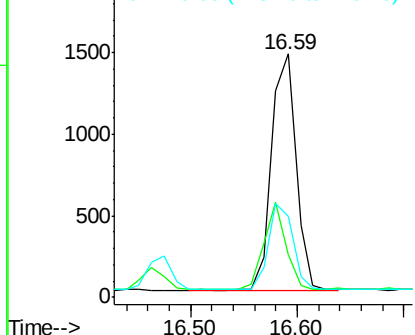
#21
Hexachlorobenzene
Concen: 0.386 ng
RT: 16.59 min Scan# 1090
Delta R.T. 0.01 min
Lab File: BE098189.D
Acq: 12 Nov 2018 14:13

Instrument :
BNA_E
ClientSampleId :
ICVBE111218

Tgt Ion: 284 Resp: 2333
Ion Ratio Lower Upper
284 100
142 32.7 26.5 39.7
249 36.4 28.4 42.6

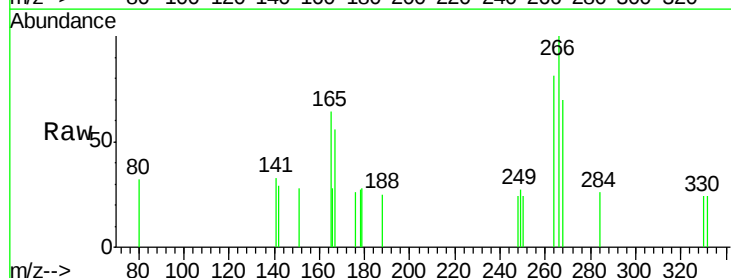


Abundance Ion 283.80 (283.50 to 284.50): E
Ion 142.00 (141.70 to 142.70): E
Ion 249.00 (248.70 to 249.70): E

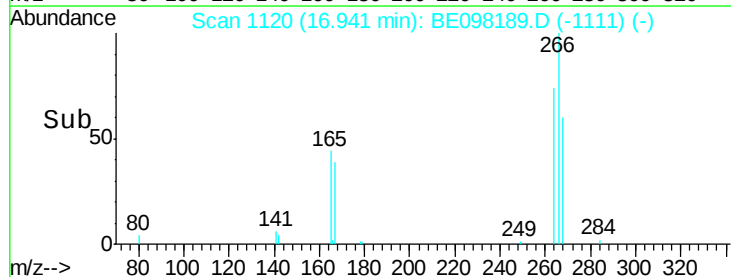
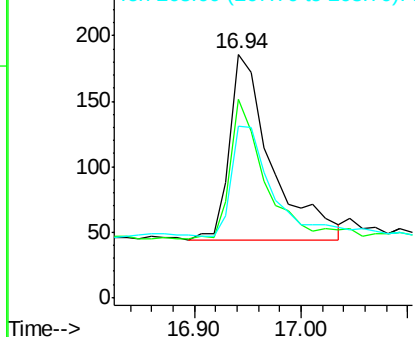


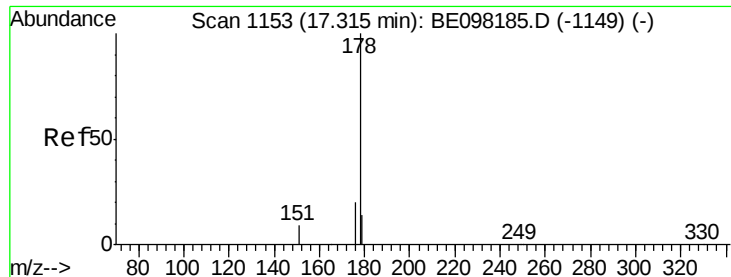
#22
Pentachlorophenol
Concen: 0.366 ng
RT: 16.94 min Scan# 1120
Delta R.T. 0.00 min
Lab File: BE098189.D
Acq: 12 Nov 2018 14:13

Tgt Ion: 266 Resp: 385
Ion Ratio Lower Upper
266 100
264 81.2 57.6 86.4
268 70.4 56.8 85.2



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: 0.388 ng

RT: 17.33 min Scan# 1153

Delta R.T. 0.01 min

Lab File: BE098189.D

Acq: 12 Nov 2018 14:13

Instrument :

BNA_E

ClientSampleId :

ICVBE111218

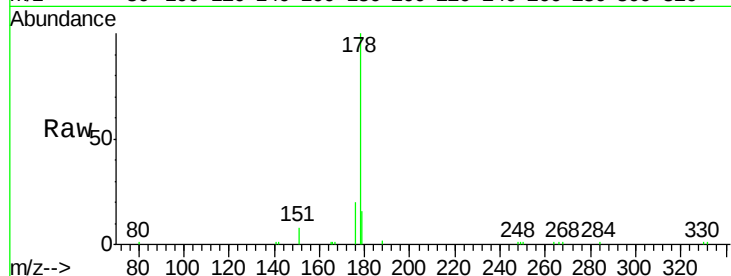
Tgt Ion:178 Resp: 9195

Ion Ratio Lower Upper

178 100

176 19.7 15.8 23.8

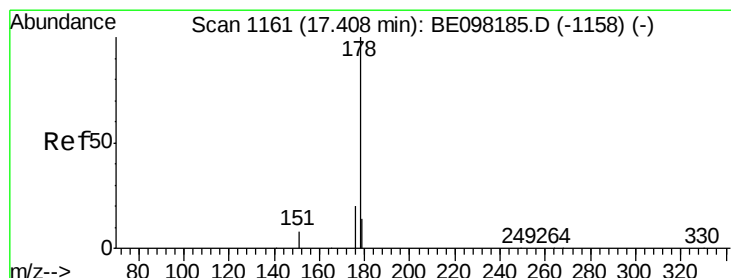
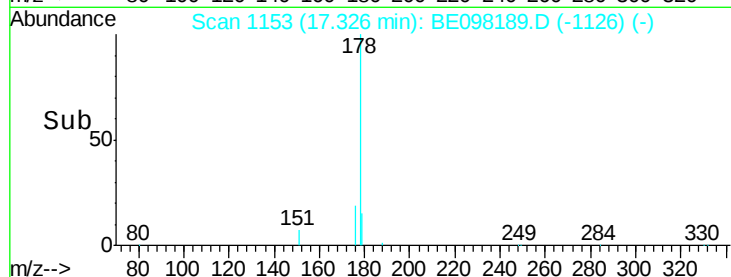
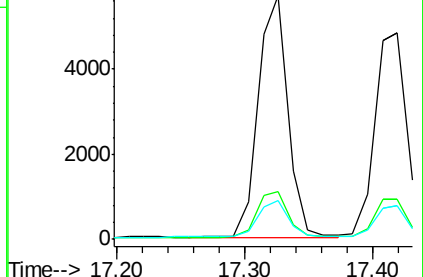
179 15.4 12.3 18.5



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: 0.382 ng

RT: 17.42 min Scan# 1161

Delta R.T. 0.01 min

Lab File: BE098189.D

Acq: 12 Nov 2018 14:13

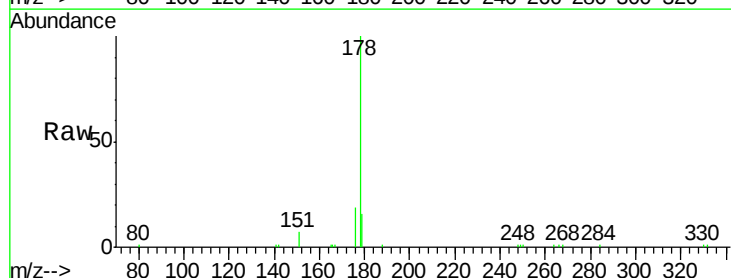
Tgt Ion:178 Resp: 8438

Ion Ratio Lower Upper

178 100

176 18.6 15.7 23.5

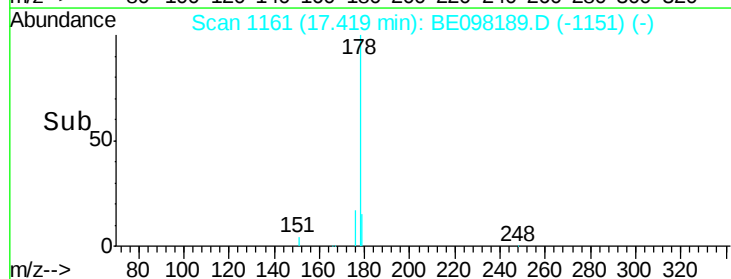
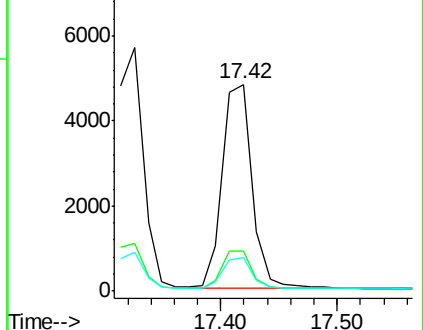
179 15.2 12.1 18.1

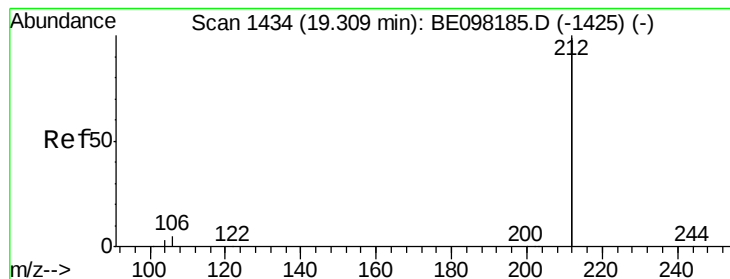


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#25

Fluoranthene-d10

Concen: 0.375 ng

RT: 19.31 min Scan# 1433

Delta R.T. -0.00 min

Lab File: BE098189.D

Acq: 12 Nov 2018 14:13

Instrument :

BNA_E

ClientSampleId :

ICVBE111218

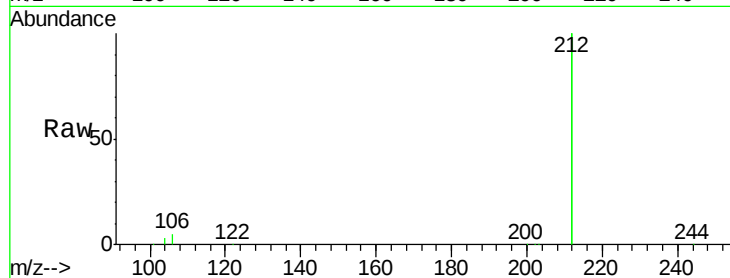
Tgt Ion:212 Resp: 44563

Ion Ratio Lower Upper

212 100

106 2.3 1.8 2.8

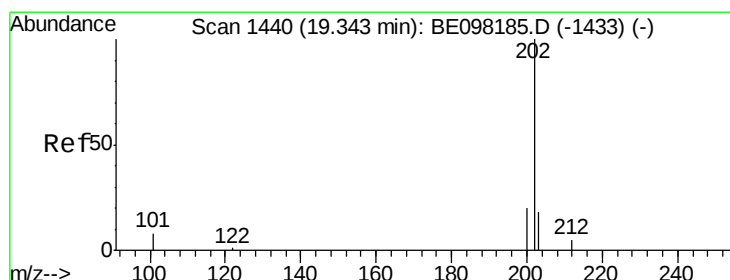
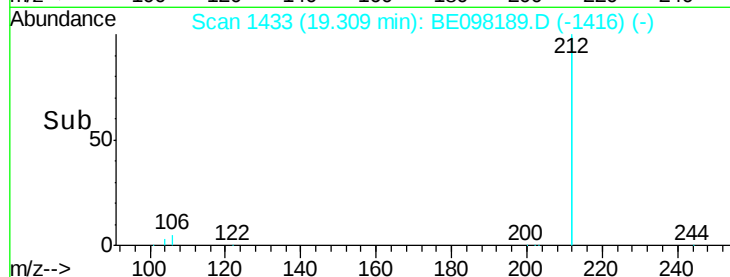
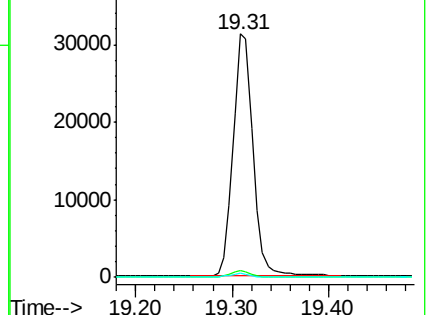
104 1.4 1.1 1.7



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: 0.383 ng

RT: 19.34 min Scan# 1439

Delta R.T. -0.00 min

Lab File: BE098189.D

Acq: 12 Nov 2018 14:13

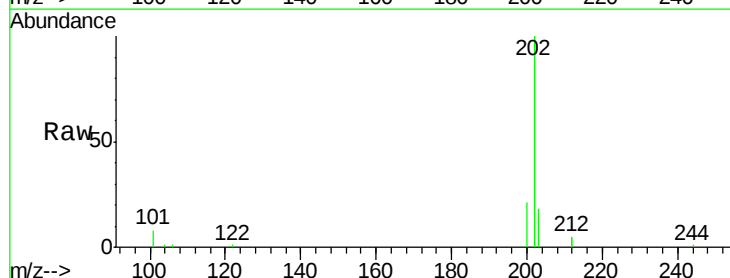
Tgt Ion:202 Resp: 11243

Ion Ratio Lower Upper

202 100

101 9.2 7.0 10.6

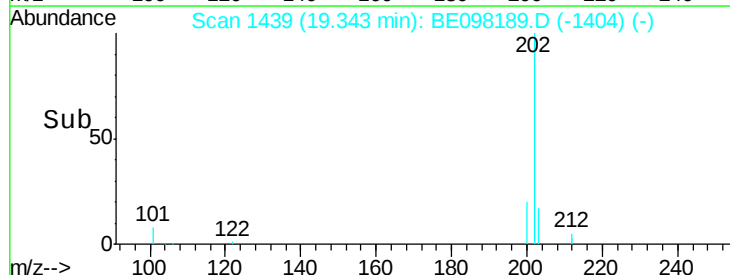
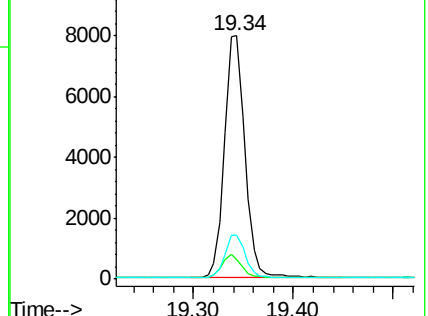
203 17.3 13.7 20.5

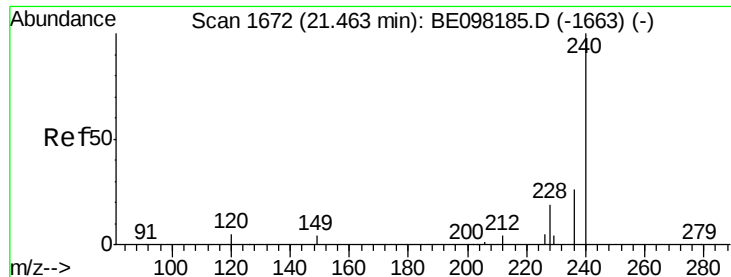


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E





#27

Chrysene-d12

Concen: 0.400 ng

RT: 21.46 min Scan# 1671

Delta R.T. 0.00 min

Lab File: BE098189.D

Acq: 12 Nov 2018 14:13

Instrument :

BNA_E

ClientSampleId :

ICVBE111218

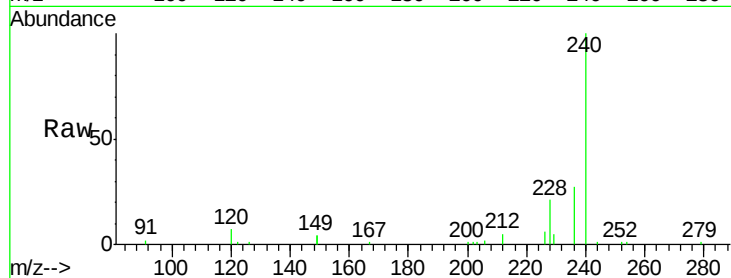
Tgt Ion:240 Resp: 11333

Ion Ratio Lower Upper

240 100

120 6.5 4.8 7.2

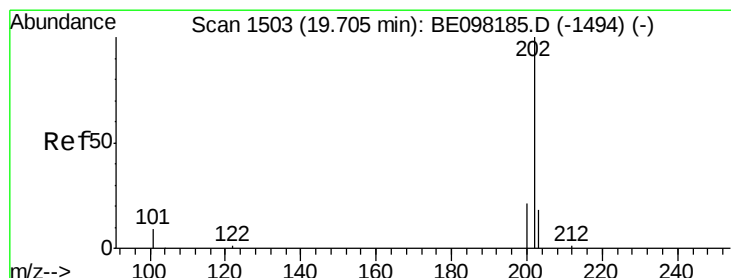
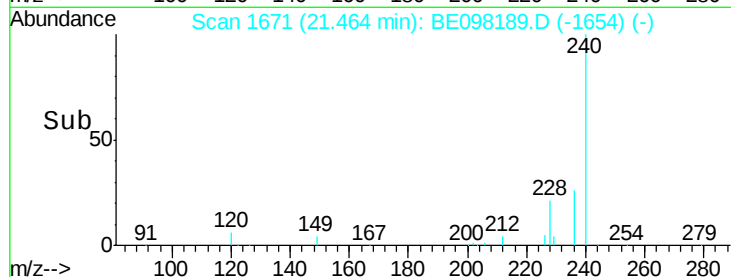
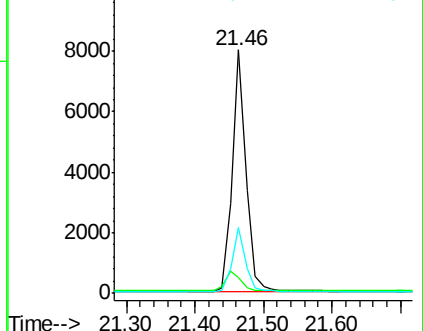
236 26.8 21.4 32.0



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: 0.369 ng

RT: 19.71 min Scan# 1502

Delta R.T. -0.00 min

Lab File: BE098189.D

Acq: 12 Nov 2018 14:13

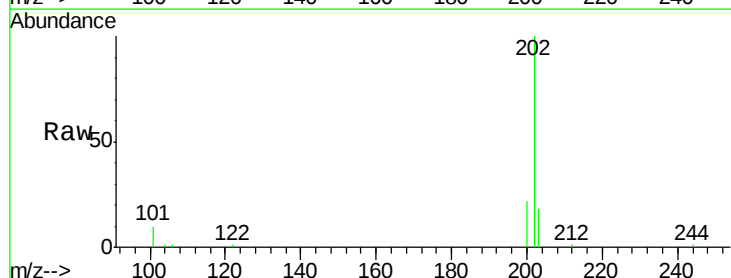
Tgt Ion:202 Resp: 11494

Ion Ratio Lower Upper

202 100

200 21.4 17.2 25.8

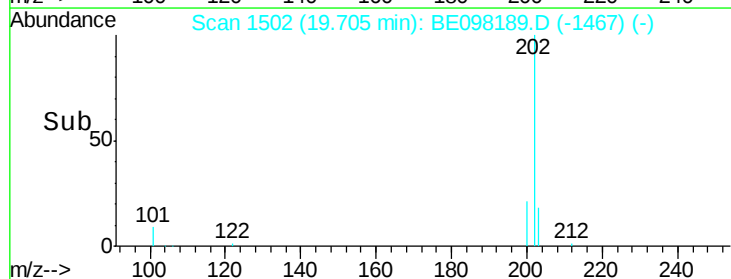
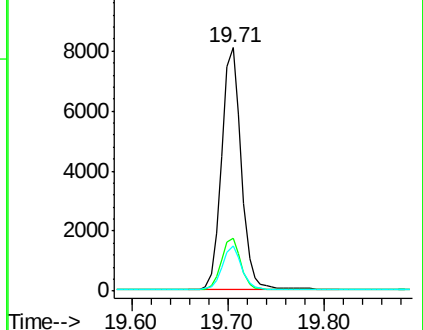
203 17.6 14.2 21.4

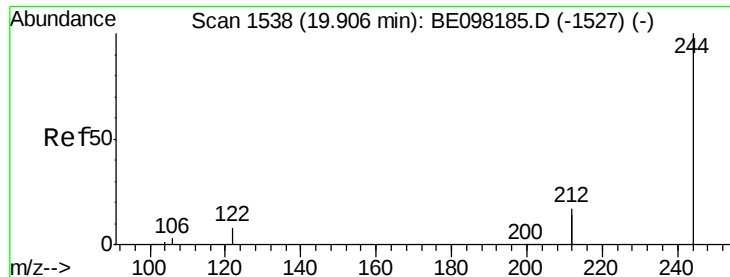


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#29

Terphenyl-d14

Concen: 0.357 ng

RT: 19.91 min Scan# 1537

Delta R.T. -0.00 min

Lab File: BE098189.D

Acq: 12 Nov 2018 14:13

Instrument :

BNA_E

ClientSampleId :

ICVBE111218

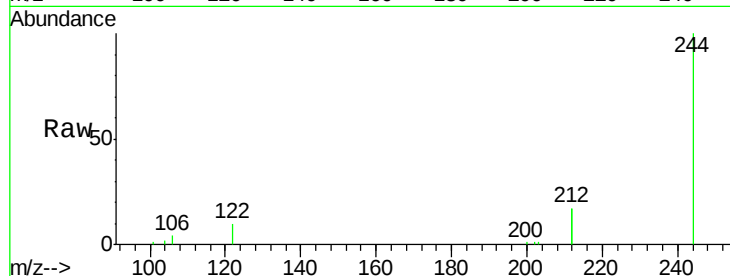
Tgt Ion:244 Resp: 9186

Ion Ratio Lower Upper

244 100

212 34.6 26.8 40.2

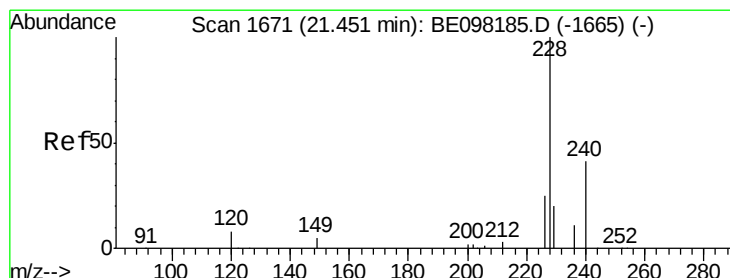
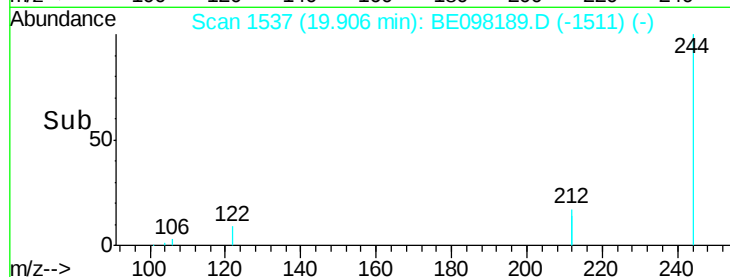
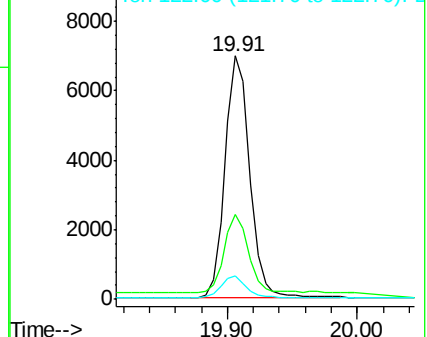
122 9.6 7.0 10.6



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: 0.370 ng

RT: 21.45 min Scan# 1670

Delta R.T. 0.00 min

Lab File: BE098189.D

Acq: 12 Nov 2018 14:13

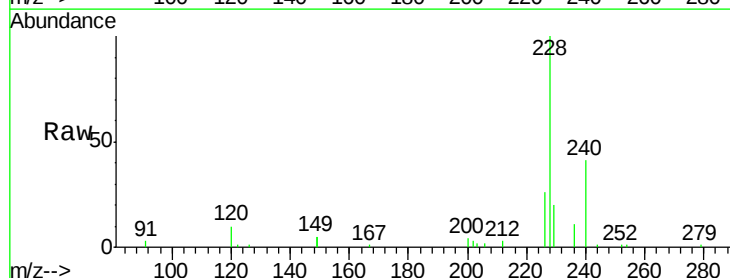
Tgt Ion:228 Resp: 11905

Ion Ratio Lower Upper

228 100

226 26.3 20.7 31.1

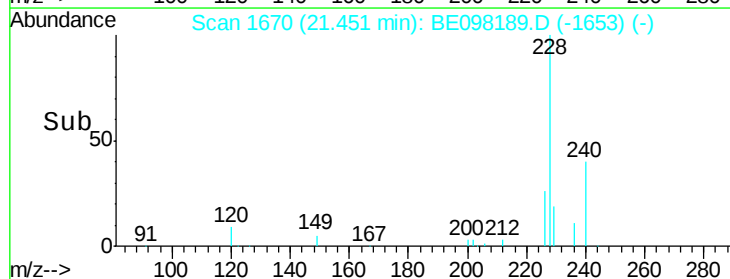
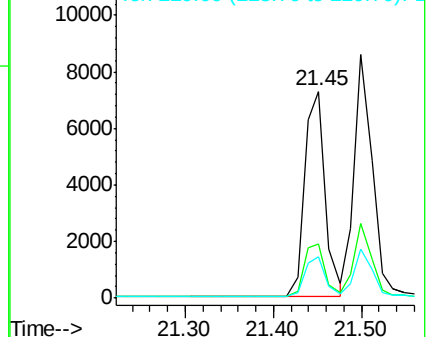
229 20.0 16.2 24.4

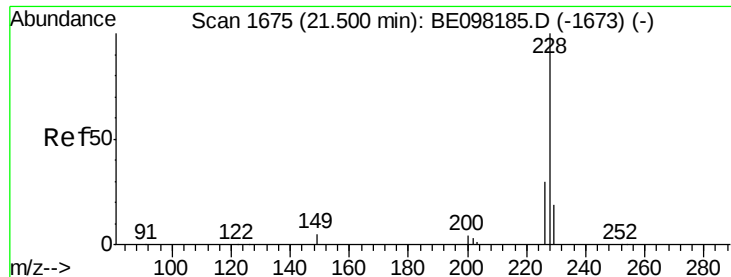


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#31

Chrysene

Concen: 0.371 ng

RT: 21.50 min Scan# 1674

Delta R.T. 0.00 min

Lab File: BE098189.D

Acq: 12 Nov 2018 14:13

Instrument :

BNA_E

ClientSampleId :

ICVBE111218

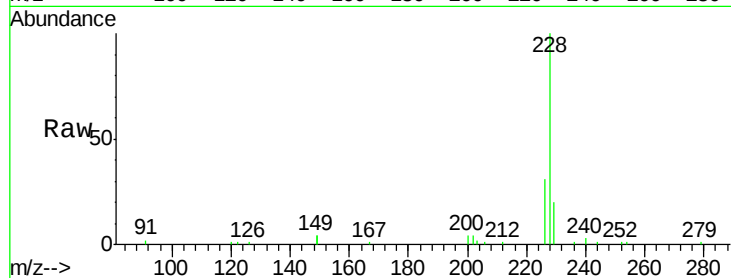
Tgt Ion:228 Resp: 12130

Ion Ratio Lower Upper

228 100

226 30.8 24.6 36.8

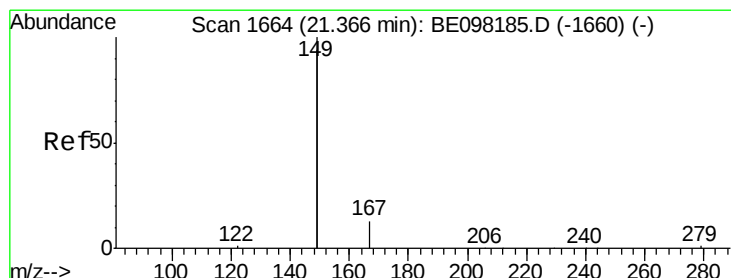
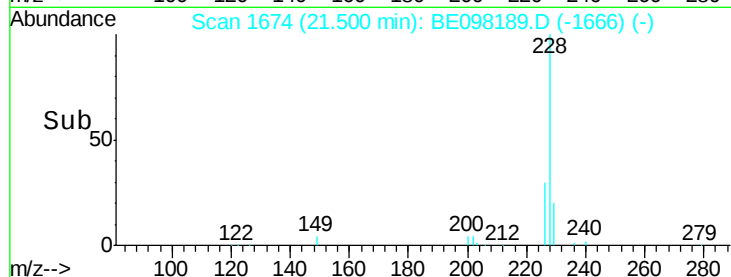
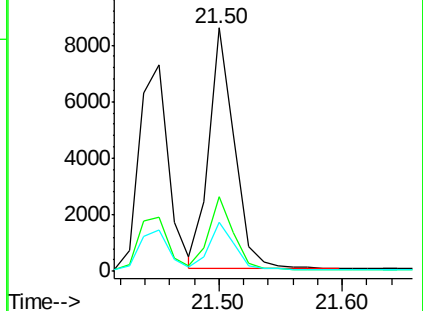
229 20.4 16.0 24.0



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: 0.345 ng

RT: 21.37 min Scan# 1663

Delta R.T. 0.00 min

Lab File: BE098189.D

Acq: 12 Nov 2018 14:13

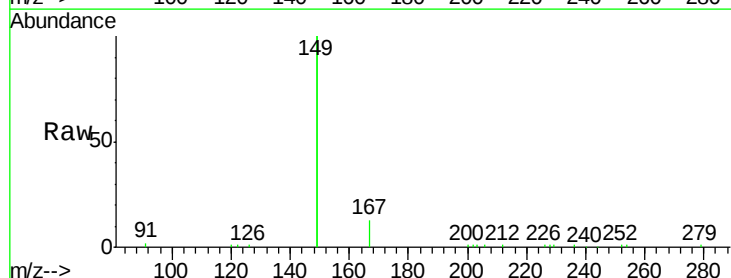
Tgt Ion:149 Resp: 23050

Ion Ratio Lower Upper

149 100

167 7.0 5.6 8.4

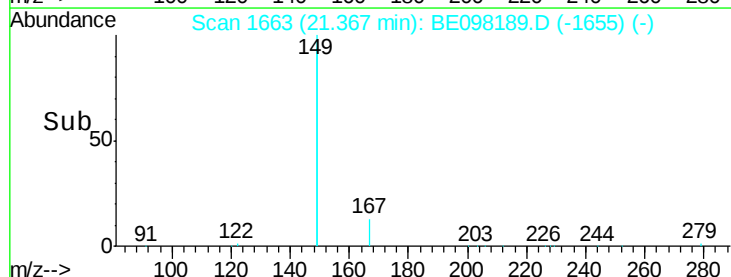
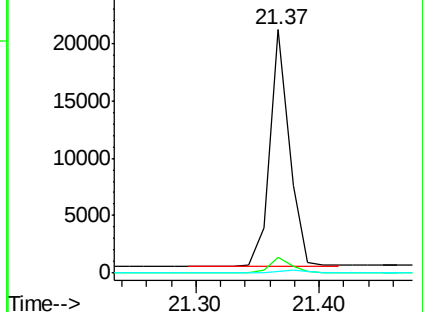
279 1.1 0.9 1.3

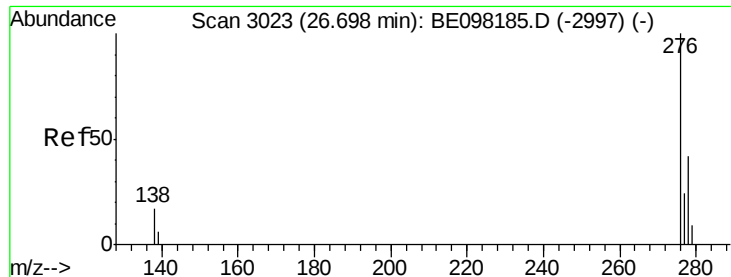


Abundance Ion 149.00 (148.70 to 149.70): E

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: 0.379 ng

RT: 26.70 min Scan# 3024

Delta R.T. 0.01 min

Lab File: BE098189.D

Acq: 12 Nov 2018 14:13

Instrument :

BNA_E

ClientSampleId :

ICVBE111218

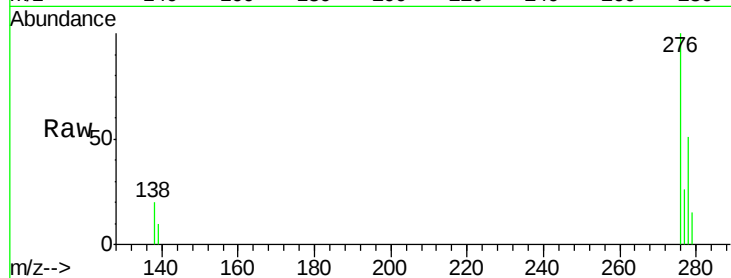
Tgt Ion:276 Resp: 11361

Ion Ratio Lower Upper

276 100

138 8.4 6.4 9.6

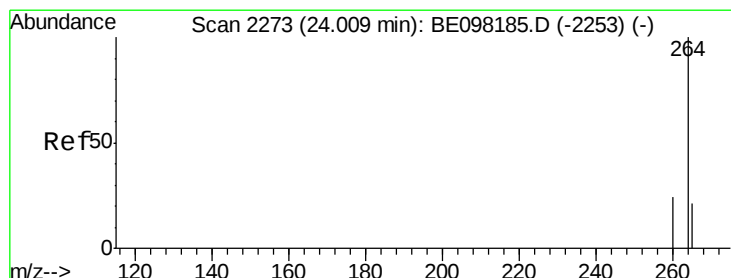
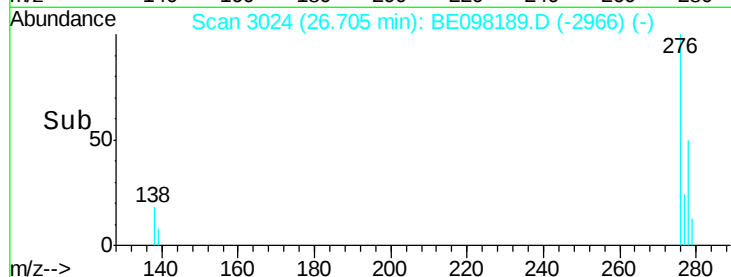
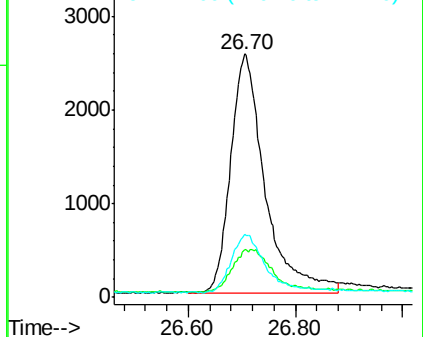
277 24.2 18.9 28.3



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: 24.01 min Scan# 2273

Delta R.T. 0.00 min

Lab File: BE098189.D

Acq: 12 Nov 2018 14:13

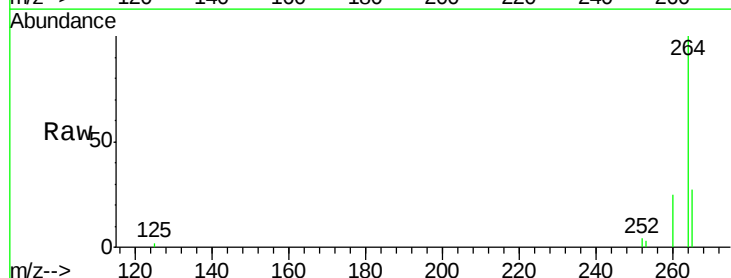
Tgt Ion:264 Resp: 10479

Ion Ratio Lower Upper

264 100

260 25.4 19.9 29.9

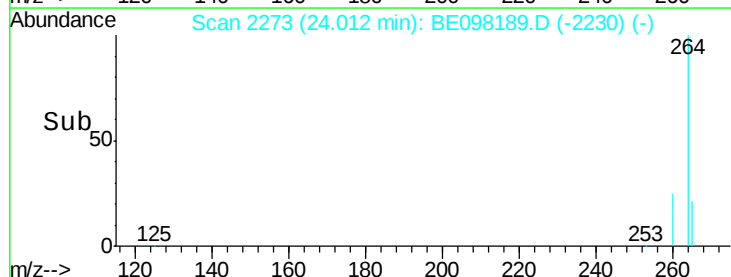
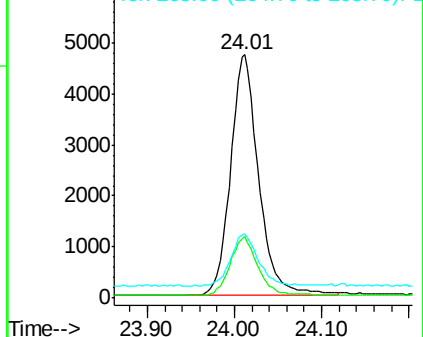
265 26.6 21.3 31.9

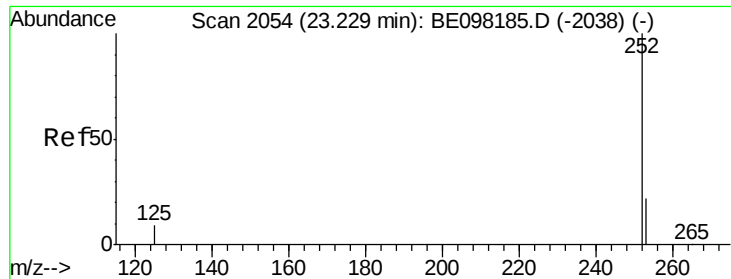


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E





#35

Benzo(b)fluoranthene

Concen: 0.368 ng

RT: 23.23 min Scan# 2053

Delta R.T. -0.00 min

Lab File: BE098189.D

Acq: 12 Nov 2018 14:13

Instrument :

BNA_E

ClientSampleId :

ICVBE111218

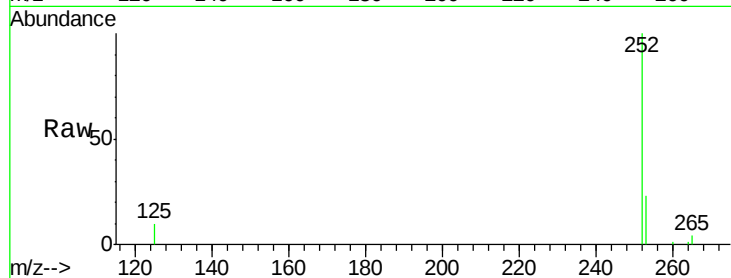
Tgt Ion:252 Resp: 10935

Ion Ratio Lower Upper

252 100

253 23.2 19.4 29.0

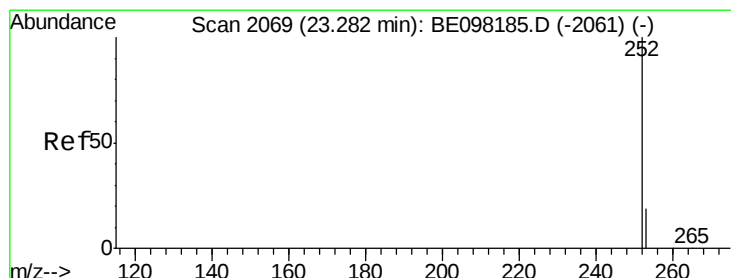
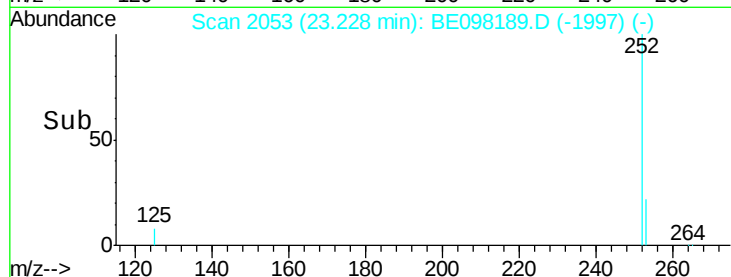
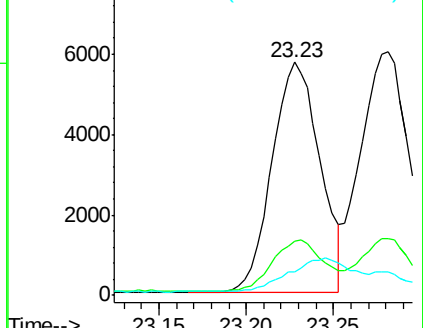
125 10.0 8.6 12.8



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: 0.386 ng

RT: 23.28 min Scan# 2068

Delta R.T. -0.00 min

Lab File: BE098189.D

Acq: 12 Nov 2018 14:13

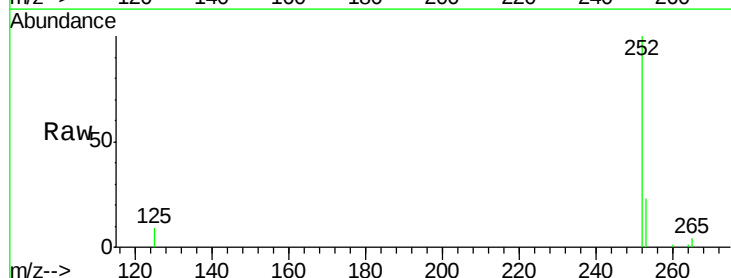
Tgt Ion:252 Resp: 12123

Ion Ratio Lower Upper

252 100

253 23.4 18.6 28.0

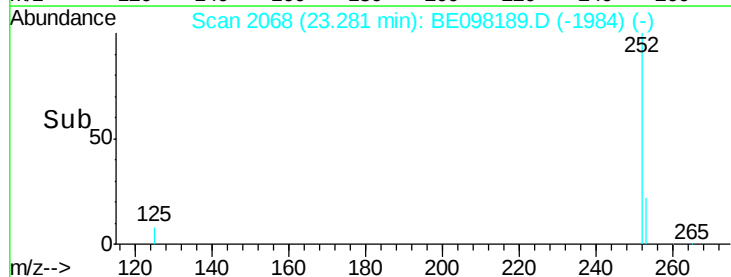
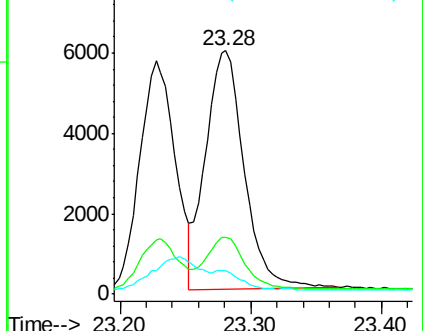
125 9.4 7.4 11.0

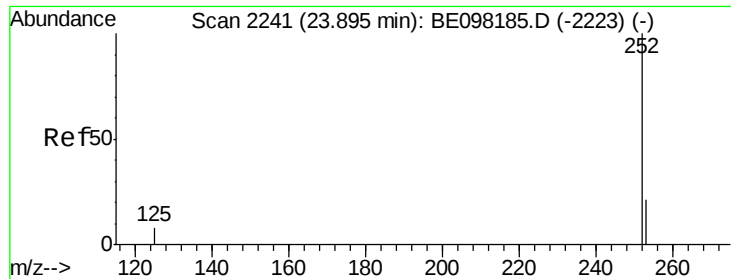


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#37

Benzo(a)pyrene

Concen: 0.378 ng

RT: 23.90 min Scan# 2241

Delta R.T. 0.00 min

Lab File: BE098189.D

Acq: 12 Nov 2018 14:13

Instrument :

BNA_E

ClientSampleId :

ICVBE111218

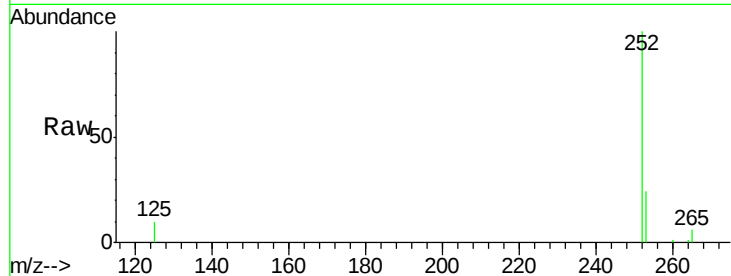
Tgt Ion:252 Resp: 10782

Ion Ratio Lower Upper

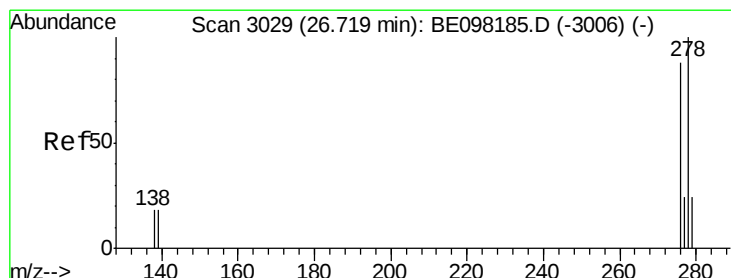
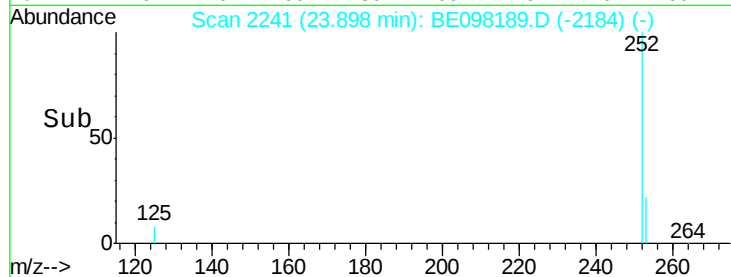
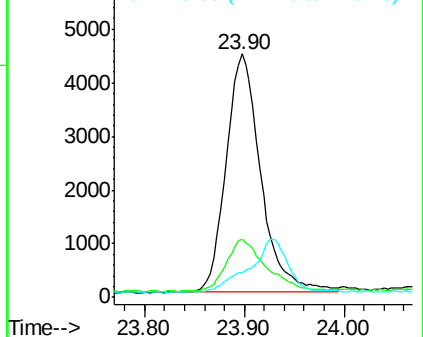
252 100

253 24.0 18.6 27.8

125 10.4 8.0 12.0



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: 0.370 ng

RT: 26.73 min Scan# 3031

Delta R.T. 0.01 min

Lab File: BE098189.D

Acq: 12 Nov 2018 14:13

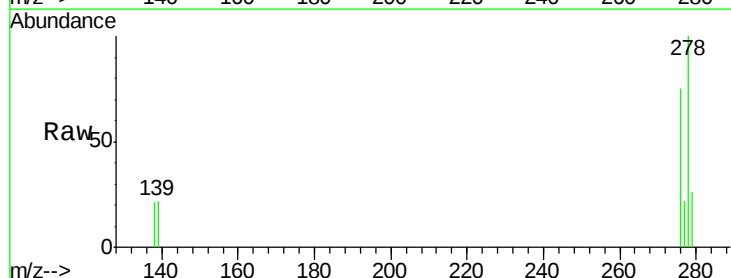
Tgt Ion:278 Resp: 8979

Ion Ratio Lower Upper

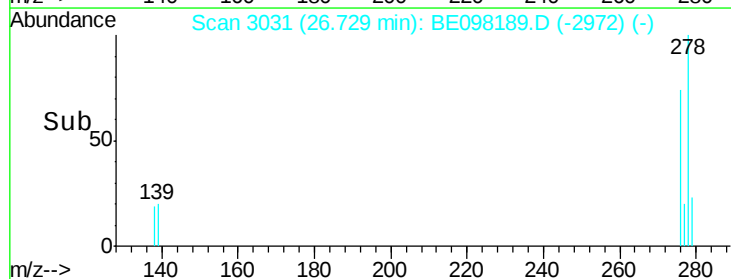
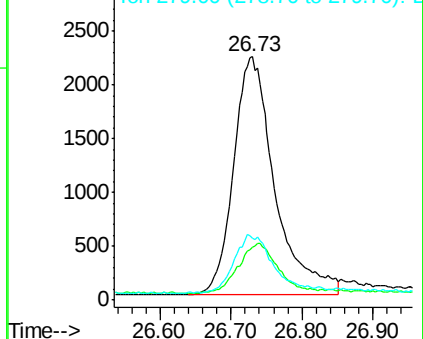
278 100

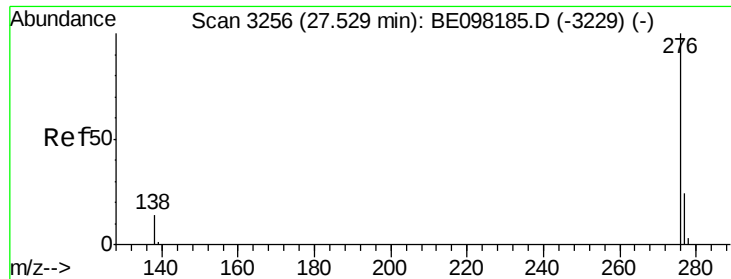
139 22.0 16.4 24.6

279 25.5 21.3 31.9



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(g,h,i)perylene

Concen: 0.379 ng

RT: 27.53 min Scan# 3255

Delta R.T. -0.00 min

Lab File: BE098189.D

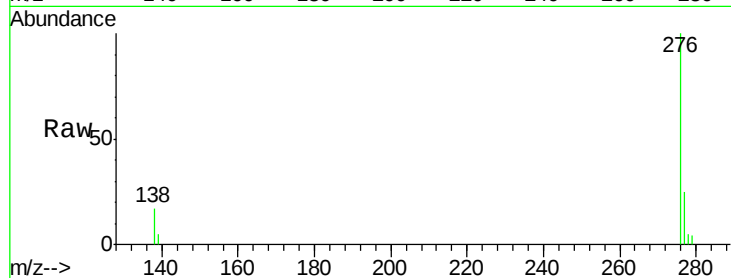
Acq: 12 Nov 2018 14:13

Instrument :

BNA_E

ClientSampleId :

ICVBE111218



Tgt Ion: 276 Resp: 9600

Ion Ratio Lower Upper

276 100

277 25.2 20.4 30.6

138 17.2 13.2 19.8

