

Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE121318\
 Data File : BE098402.D
 Acq On : 13 Dec 2018 18:22
 Operator : SJ/JU
 Sample : J6323-02
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 RE-104D2-20181206

Quant Time: Dec 13 21:09:46 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA E\METHODS\8270-SIM-BE121018.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Dec 10 14:59:55 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.86	152	888	0.40	ng	0.00
7) Naphthalene-d8	10.67	136	3976	0.40	ng	0.00
13) Acenaphthene-d10	14.53	164	2666	0.40	ng	0.00
19) Phenanthrene-d10	17.27	188	7286	0.40	ng	-0.01
27) Chrysene-d12	21.46	240	8679	0.40	ng	0.00
34) Perylene-d12	24.00	264	8281	0.40	ng	-0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Fluorophenol	5.46	112	453	0.22	ng	0.01
5) Phenol-d6	7.03	99	388	0.13	ng	-0.01
8) Nitrobenzene-d5	9.03	82	1350	0.37	ng	0.01
11) 2-Methylnaphthalene-d10	12.27	152	2591	0.40	ng	0.00
14) 2,4,6-Tribromophenol	16.02	330	589	0.60	ng	0.00
15) 2-Fluorobiphenyl	13.14	172	4767	0.42	ng	0.00
25) Fluoranthene-d10	19.30	212	41206	0.44	ng	0.00
29) Terphenyl-d14	19.90	244	8848	0.42	ng	0.00

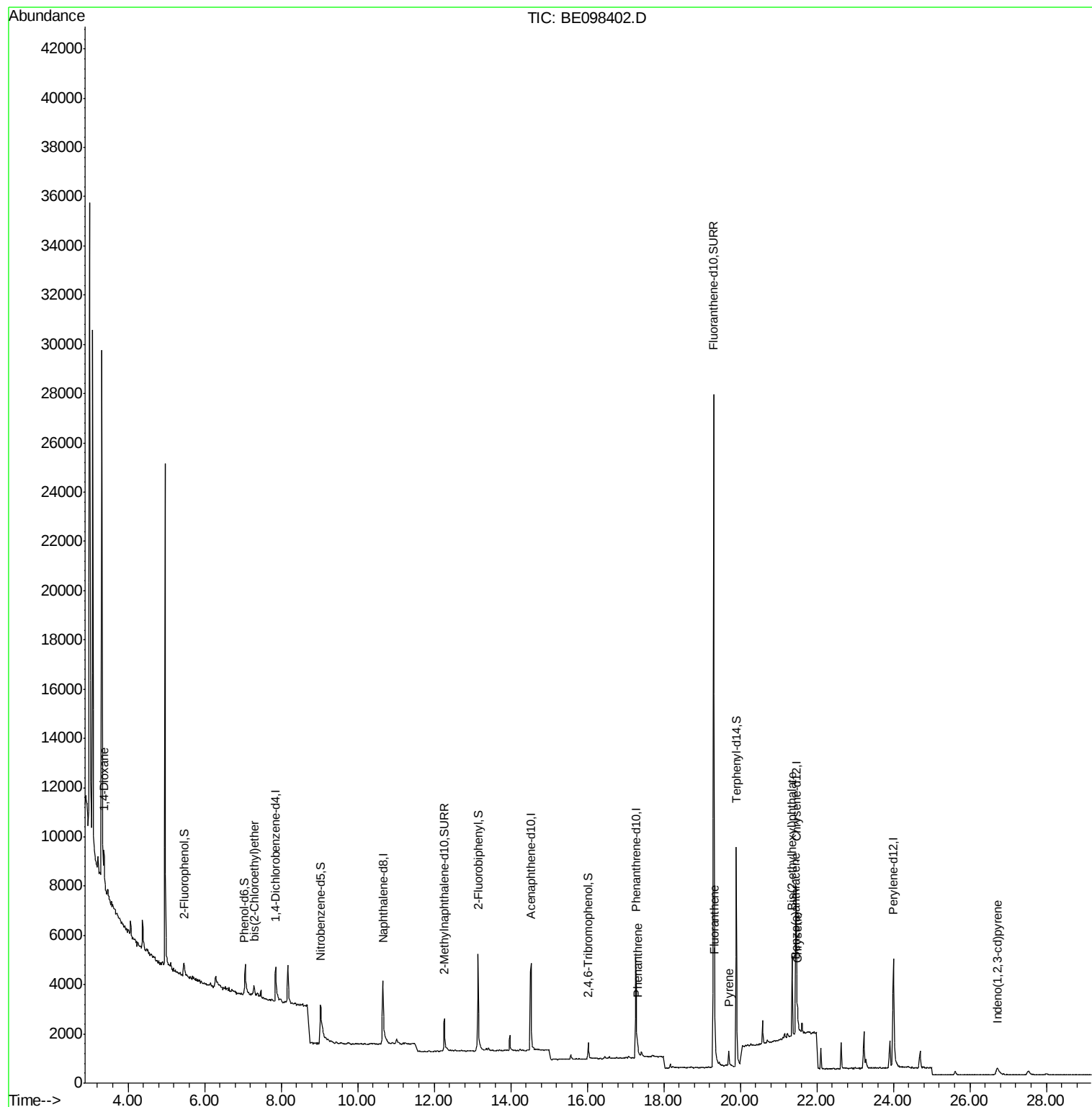
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) 1,4-Dioxane	3.37	88	654	0.426	ng	# 50
6) bis(2-Chloroethyl)ether	7.29	93	328	0.117	ng	# 71
23) Phenanthrene	17.32	178	479	0.027	ng	# 85
26) Fluoranthene	19.34	202	728	0.031	ng	# 96
28) Pyrene	19.70	202	671	0.025	ng	# 99
30) Benzo(a)anthracene	21.44	228	646	0.026	ng	# 80
31) Chrysene	21.50	228	645	0.025	ng	# 74
32) Bis(2-ethylhexyl)phthalate	21.35	149	4224	0.084	ng	# 100
33) Indeno(1,2,3-cd)pyrene	26.71	276	524	0.020	ng	# 76

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

Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE121318\
Data File : BE098402.D
Acq On : 13 Dec 2018 18:22
Operator : SJ/JU
Sample : J6323-02
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :
RE-104D2-20181206

Quant Time: Dec 13 21:09:46 2018
Quant Method : Z:\SVOASRV\HPCHEM1\BNA E\METHODS\8270-SIM-BE121018.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Dec 10 14:59:55 2018
Response via : Initial Calibration



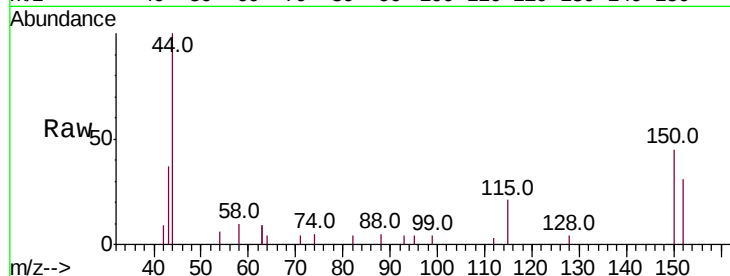


#1

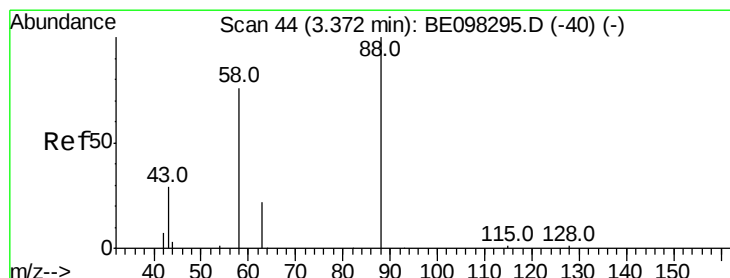
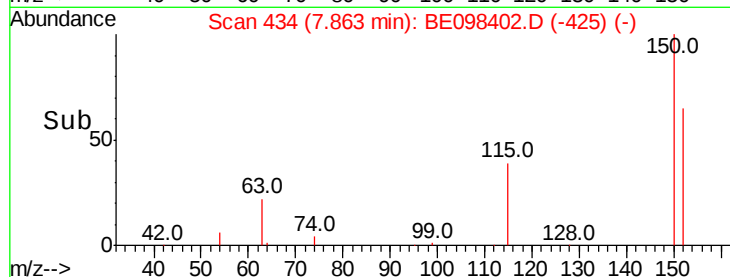
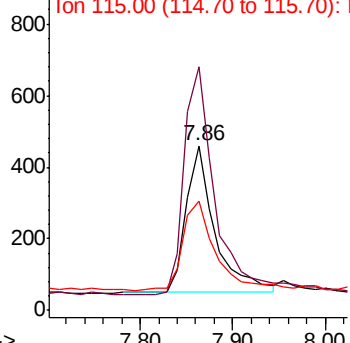
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.86 min Scan# 434
Delta R.T. -0.00 min
Lab File: BE098402.D
Acq: 13 Dec 2018 18:22

Instrument :
BNA_E
ClientSampleId :
RE-104D2-20181206

Tot Ion:152 Resp: 888
Ion Ratio Lower Upper
152 100
150 148.1 124.2 186.4
115 66.9 53.9 80.9



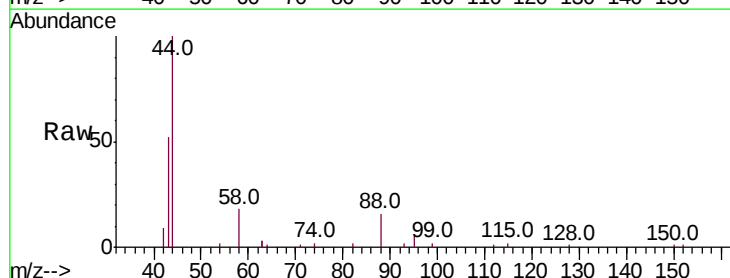
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



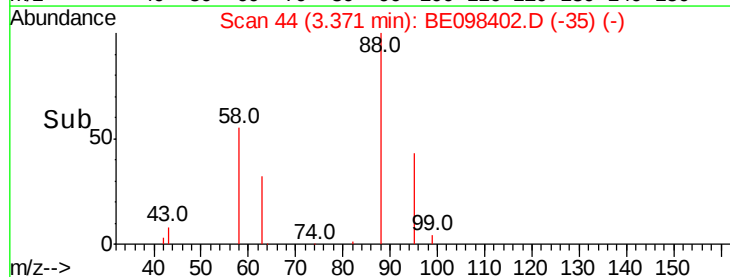
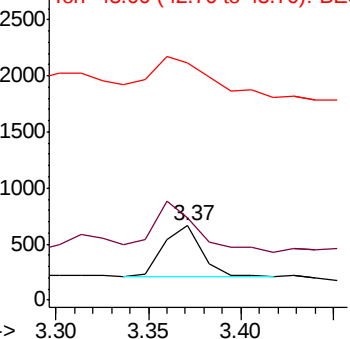
#2

1,4-Dioxane
Concen: 0.426 ng
RT: 3.37 min Scan# 44
Delta R.T. -0.00 min
Lab File: BE098402.D
Acq: 13 Dec 2018 18:22

Tgt Ion: 88 Resp: 654
Ion Ratio Lower Upper
88 100
58 110.9 75.0 112.6
43 123.5 38.3 57.5#



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





#4

2-Fluorophenol

Concen: 0.218 ng

RT: 5.46 min Scan# 225

Delta R.T. 0.01 min

Lab File: BE098402.D

Acq: 13 Dec 2018 18:22

Instrument :

BNA_E

ClientSampleId :

RE-104D2-20181206

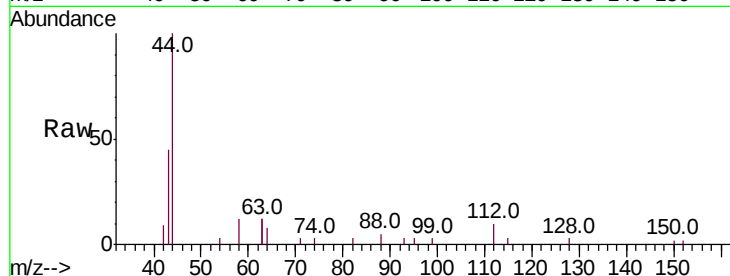
Tot Ion:112 Resp: 453

Ion Ratio Lower Upper

112 100

64 83.4 59.8 89.8

63 194.0 133.7 200.5

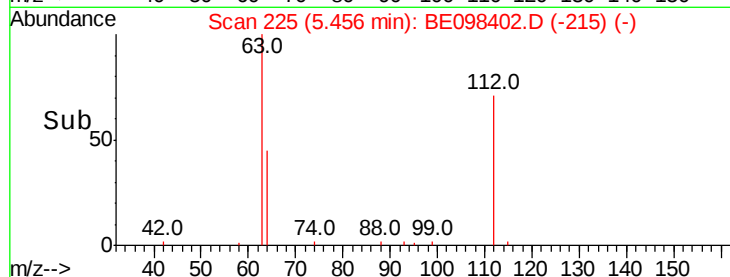


Abundance Ion 112.00 (111.70 to 112.70): BE0

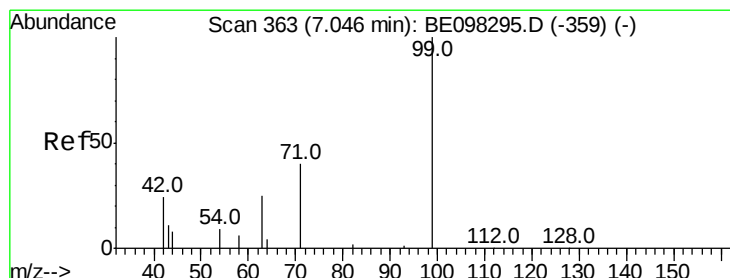
Ion 64.00 (63.70 to 64.70): BE0

Ion 63.00 (62.70 to 63.70): BE0

Time-->



Time-->



#5

Phenol-d6

Concen: 0.132 ng

RT: 7.03 min Scan# 362

Delta R.T. -0.01 min

Lab File: BE098402.D

Acq: 13 Dec 2018 18:22

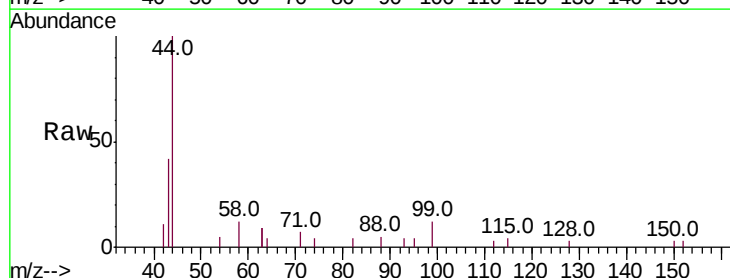
Tgt Ion: 99 Resp: 388

Ion Ratio Lower Upper

99 100

42 52.6 26.3 39.5#

71 46.9 33.6 50.4

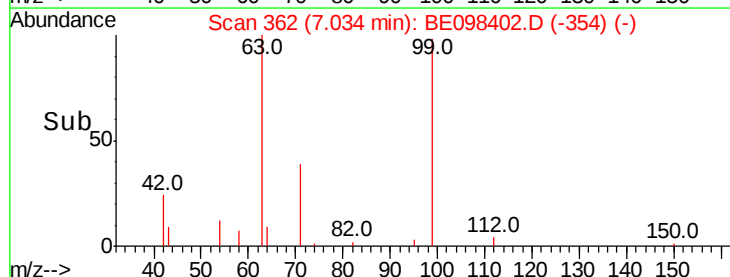


Abundance Ion 99.00 (98.70 to 99.70): BE0

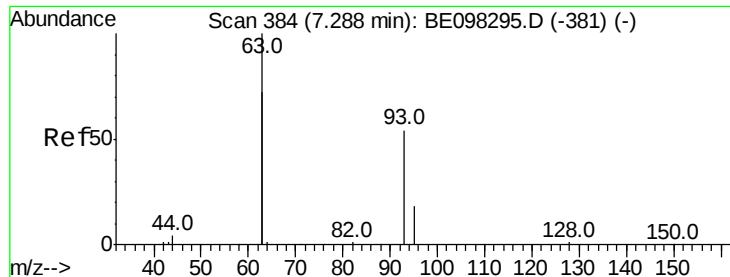
Ion 42.00 (41.70 to 42.70): BE0

Ion 71.00 (70.70 to 71.70): BE0

Time-->



Time-->



#6

bis(2-Chloroethyl)ether

Concen: 0.117 ng

RT: 7.29 min Scan# 384

Delta R.T. -0.00 min

Lab File: BE098402.D

Acq: 13 Dec 2018 18:22

Instrument :

BNA_E

ClientSampleId :

RE-104D2-20181206

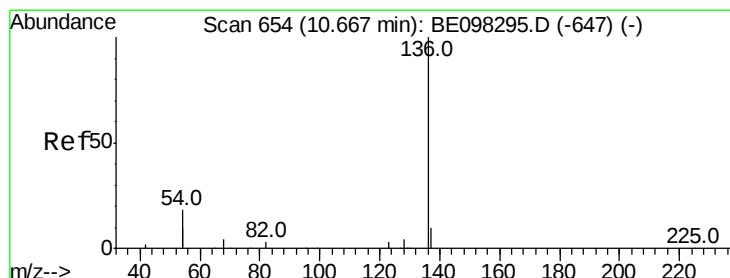
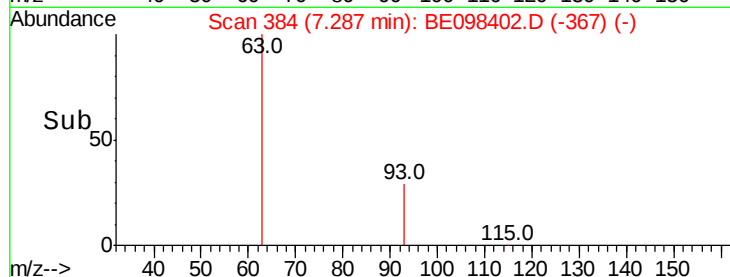
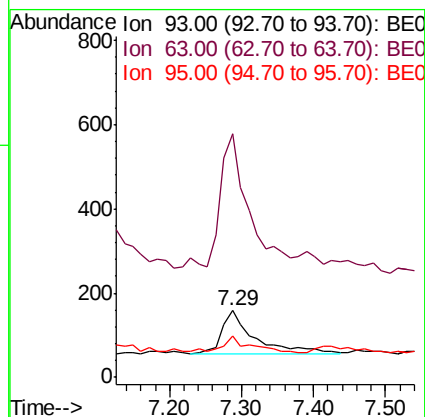
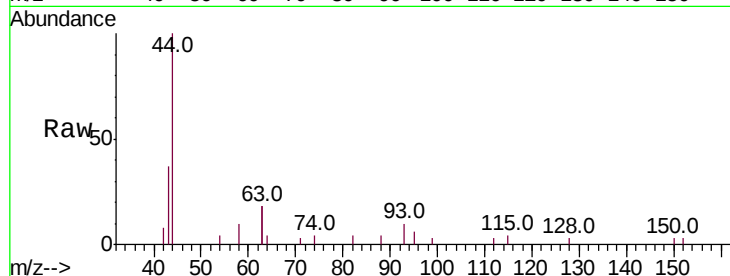
Tot Ion: 93 Resp: 328

Ion Ratio Lower Upper

93 100

63 264.9 264.4 396.6

95 31.7 26.6 40.0



#7

Naphthalene-d8

Concen: 0.400 ng

RT: 10.67 min Scan# 654

Delta R.T. -0.00 min

Lab File: BE098402.D

Acq: 13 Dec 2018 18:22

Tgt Ion: 136 Resp: 3976

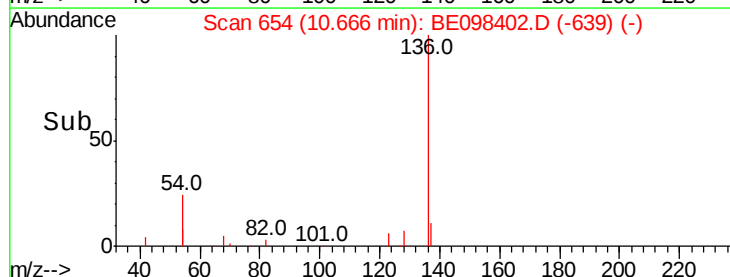
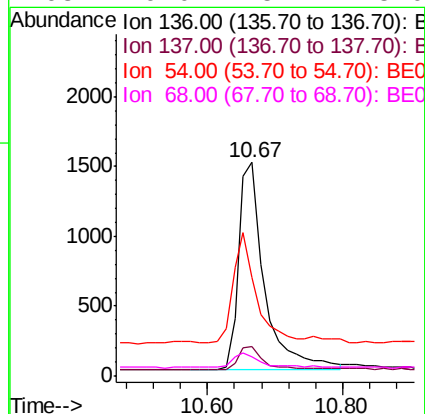
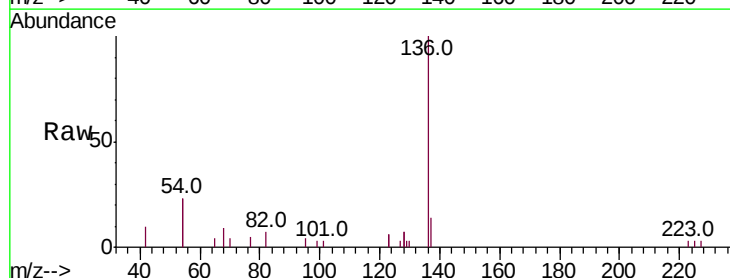
Ion Ratio Lower Upper

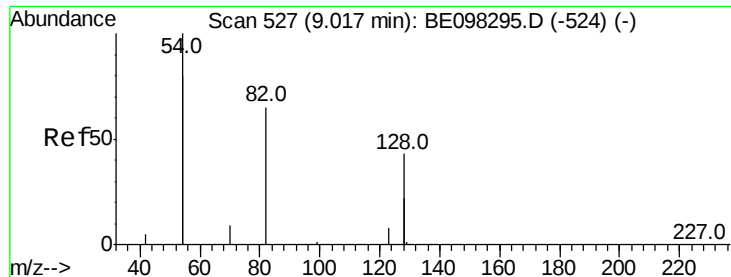
136 100

137 13.9 9.2 13.8#

54 46.1 28.4 42.6#

68 9.0 5.4 8.0#





#8

Nitrobenzene-d5

Concen: 0.373 ng

RT: 9.03 min Scan# 528

Delta R.T. 0.01 min

Lab File: BE098402.D

Acq: 13 Dec 2018 18:22

Instrument :

BNA_E

ClientSampleId :

RE-104D2-20181206

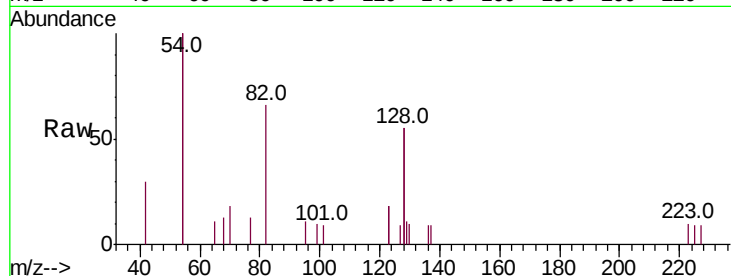
Tot Ion: 82 Resp: 1350

Ion Ratio Lower Upper

82 100

128 167.2 102.4 153.6#

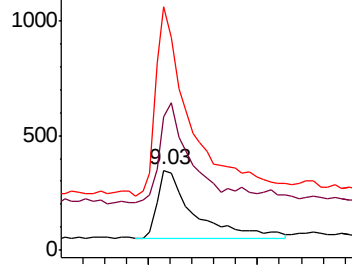
54 304.6 221.8 332.8



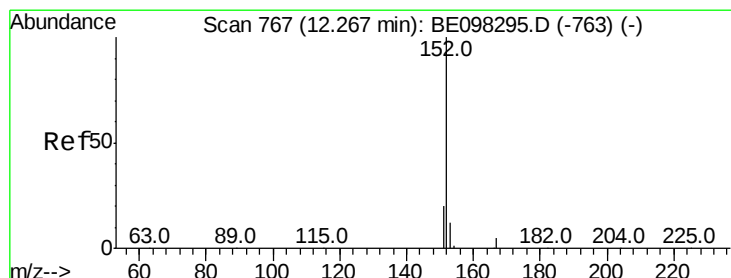
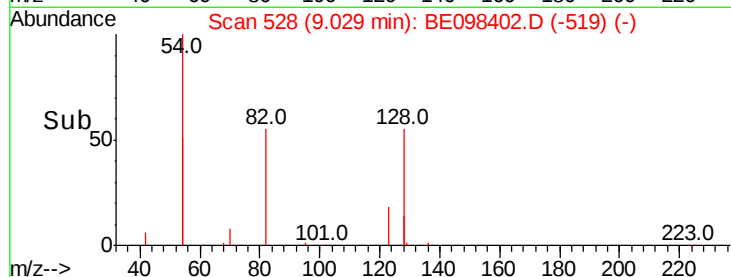
Abundance Ion 82.00 (81.70 to 82.70): BE098402.D (-524) (-)

Ion 128.00 (127.70 to 128.70): BE098402.D (-524) (-)

Ion 54.00 (53.70 to 54.70): BE098402.D (-524) (-)



Time-->



#11

2-Methylnaphthalene-d10

Concen: 0.401 ng

RT: 12.27 min Scan# 767

Delta R.T. -0.00 min

Lab File: BE098402.D

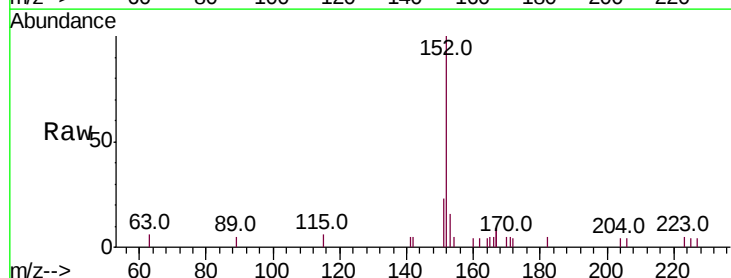
Acq: 13 Dec 2018 18:22

Tgt Ion: 152 Resp: 2591

Ion Ratio Lower Upper

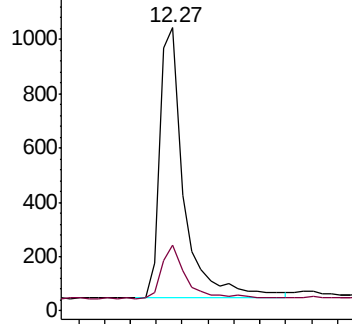
152 100

151 19.8 16.2 24.4

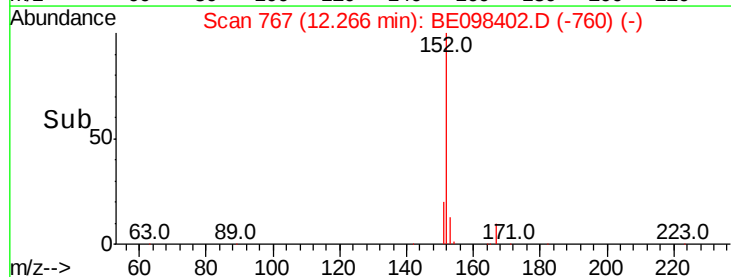


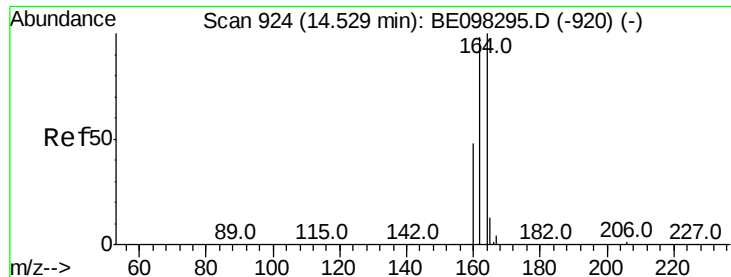
Abundance Ion 152.00 (151.70 to 152.70): BE098402.D (-763) (-)

Ion 151.00 (150.70 to 151.70): BE098402.D (-763) (-)



Time-->

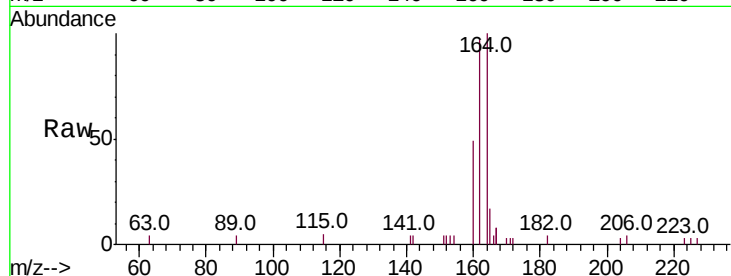




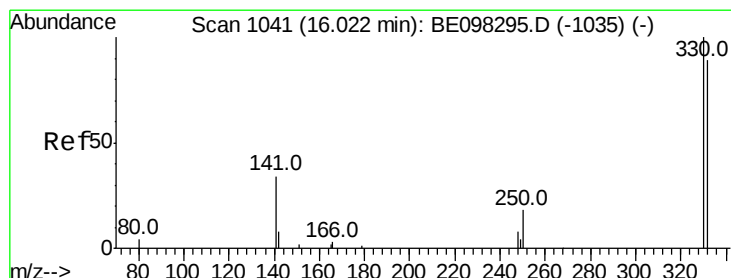
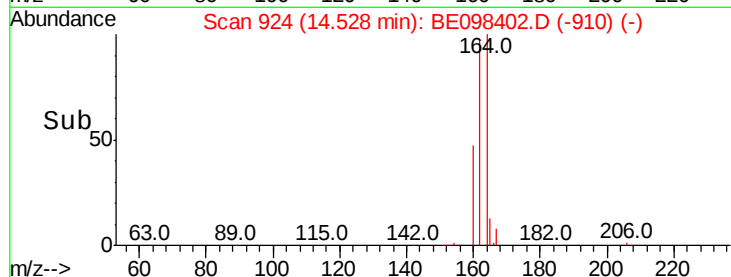
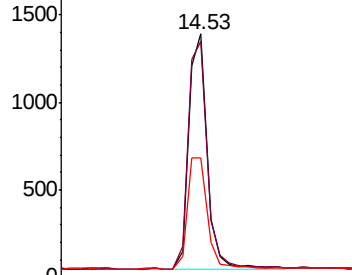
#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.53 min Scan# 924
Delta R.T. -0.00 min
Lab File: BE098402.D
Acq: 13 Dec 2018 18:22

Instrument :
BNA_E
ClientSampleId :
RE-104D2-20181206

Tot Ion:164 Resp: 2666
Ion Ratio Lower Upper
164 100
162 96.7 77.6 116.4
160 49.0 36.0 54.0

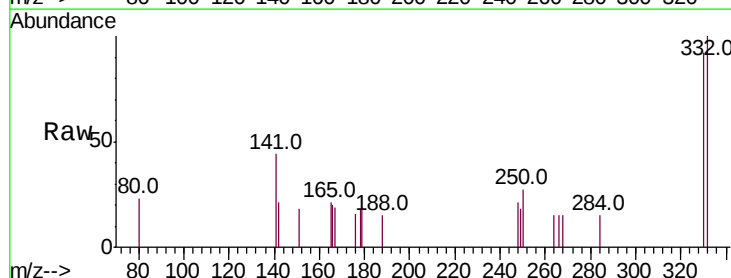


Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

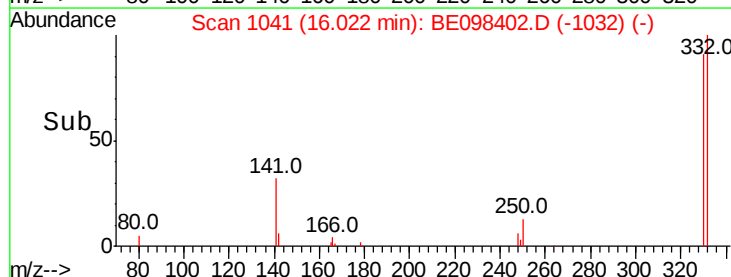
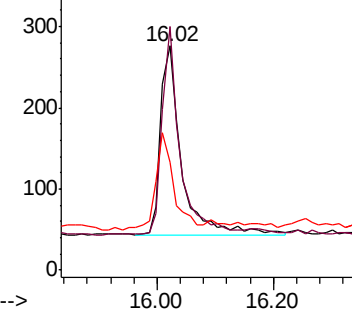


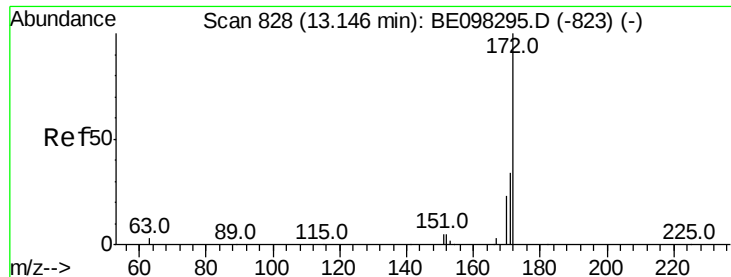
#14
2,4,6-Tribromophenol
Concen: 0.602 ng
RT: 16.02 min Scan# 1041
Delta R.T. -0.00 min
Lab File: BE098402.D
Acq: 13 Dec 2018 18:22

Tgt Ion:330 Resp: 589
Ion Ratio Lower Upper
330 100
332 90.7 76.2 114.4
141 42.8 39.0 58.4



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

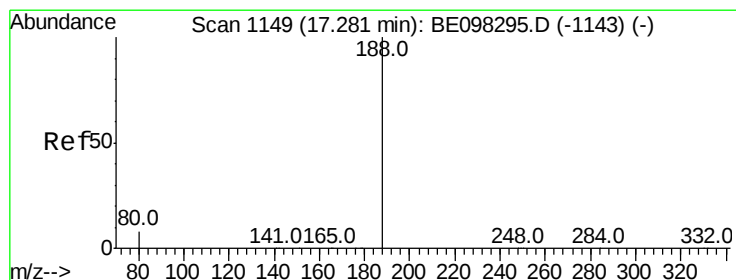
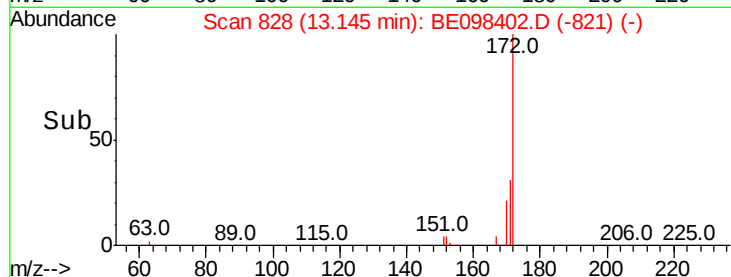
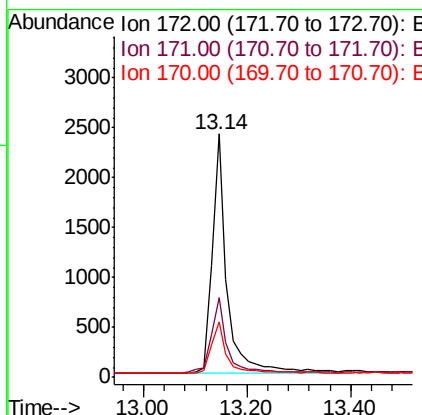
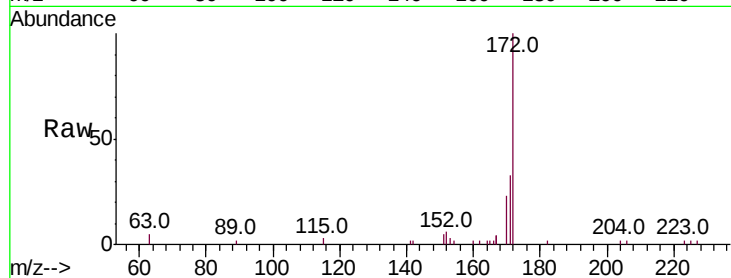




#15
2-Fluorobiphenyl
Concen: 0.424 ng
RT: 13.14 min Scan# 828
Delta R.T. -0.00 min
Lab File: BE098402.D
Acq: 13 Dec 2018 18:22

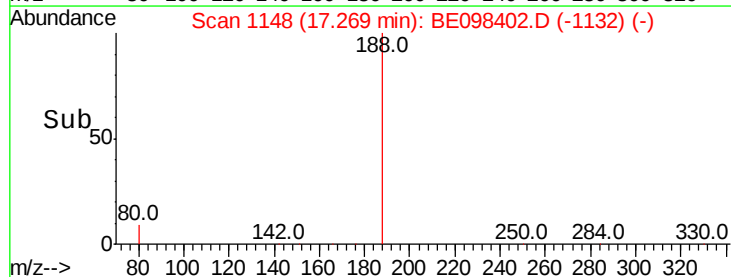
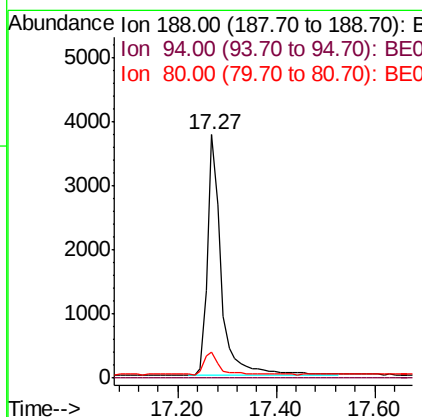
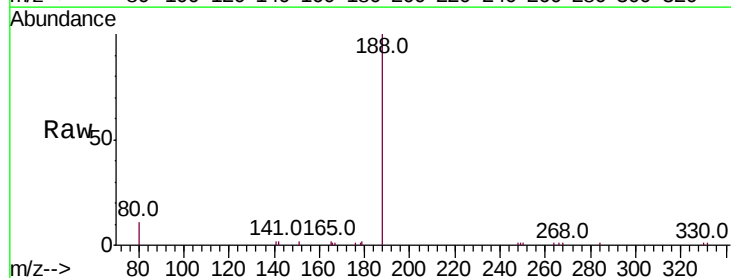
Instrument :
BNA_E
ClientSampleId :
RE-104D2-20181206

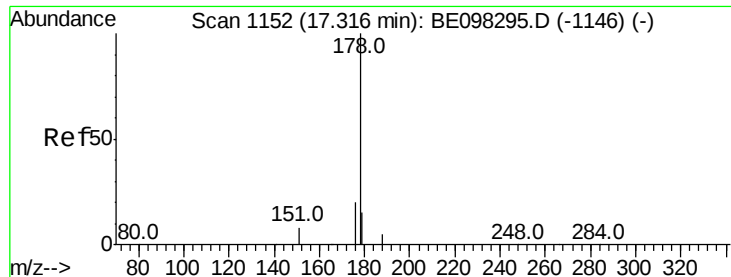
Tot Ion:172 Resp: 4767
Ion Ratio Lower Upper
172 100
171 32.8 27.5 41.3
170 22.8 19.6 29.4



#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.27 min Scan# 1148
Delta R.T. -0.01 min
Lab File: BE098402.D
Acq: 13 Dec 2018 18:22

Tgt Ion:188 Resp: 7286
Ion Ratio Lower Upper
188 100
94 0.0 0.0 0.0
80 10.8 7.2 10.8#





#23

Phenanthrene

Concen: 0.027 ng

RT: 17.32 min Scan# 1152

Delta R.T. -0.00 min

Lab File: BE098402.D

Acq: 13 Dec 2018 18:22

Instrument :

BNA_E

ClientSampleId :

RE-104D2-20181206

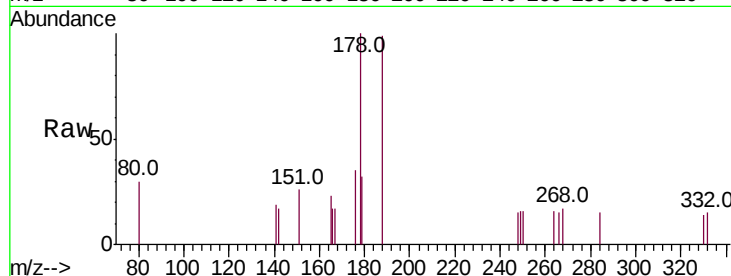
Tot Ion:178 Resp: 479

Ion Ratio Lower Upper

178 100

176 26.9 15.9 23.9#

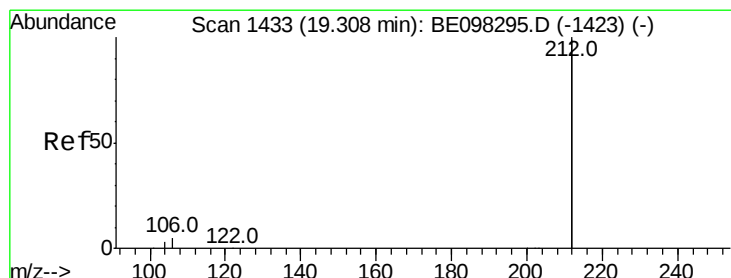
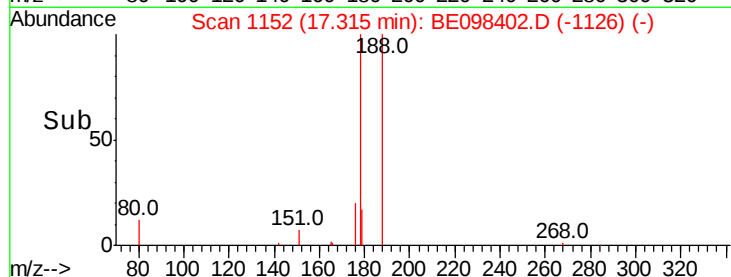
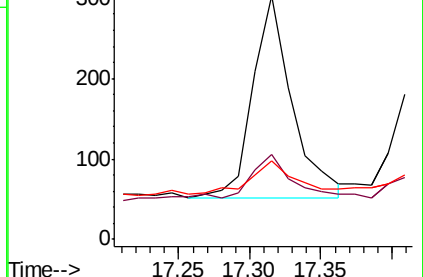
179 21.5 12.3 18.5#



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



#25

Fluoranthene-d10

Concen: 0.441 ng

RT: 19.30 min Scan# 1432

Delta R.T. -0.01 min

Lab File: BE098402.D

Acq: 13 Dec 2018 18:22

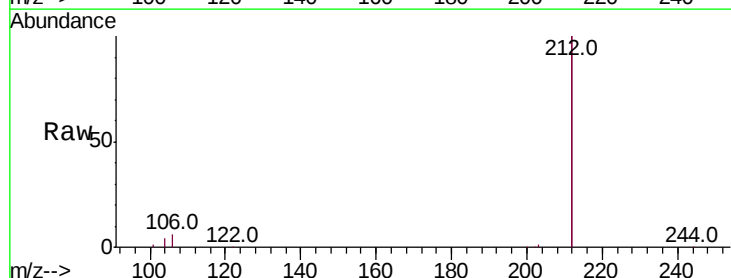
Tgt Ion:212 Resp: 41206

Ion Ratio Lower Upper

212 100

106 2.6 2.2 3.2

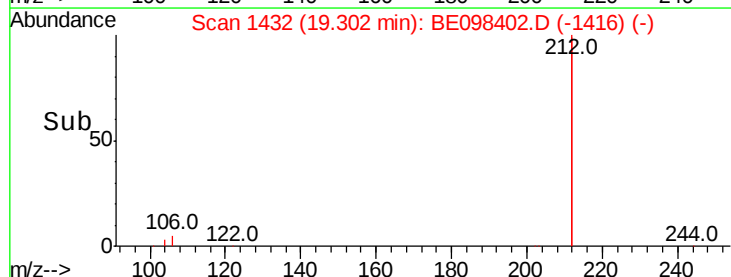
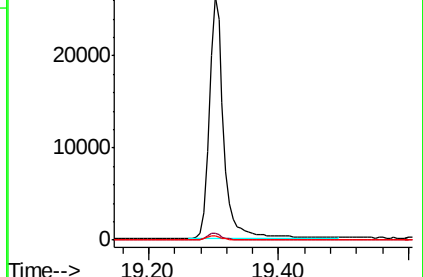
104 1.5 1.3 1.9

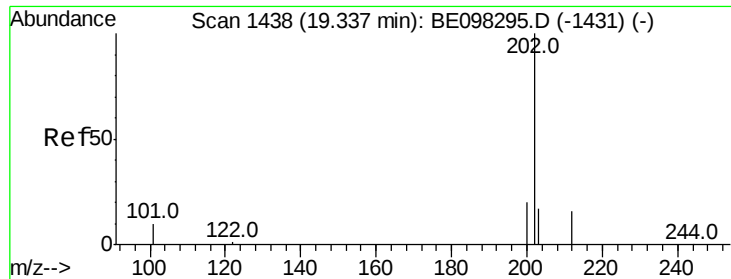


Abundance Ion 212.00 (211.70 to 212.70): E

Ion 106.00 (105.70 to 106.70): E

Ion 104.00 (103.70 to 104.70): E





#26

Fluoranthene

Concen: 0.031 ng

RT: 19.34 min Scan# 1438

Delta R.T. -0.00 min

Lab File: BE098402.D

Acq: 13 Dec 2018 18:22

Instrument :

BNA_E

ClientSampleId :

RE-104D2-20181206

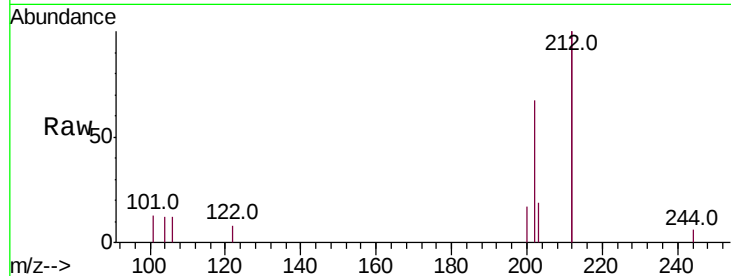
Tot Ion:202 Resp: 728

Ion Ratio Lower Upper

202 100

101 11.0 8.0 12.0

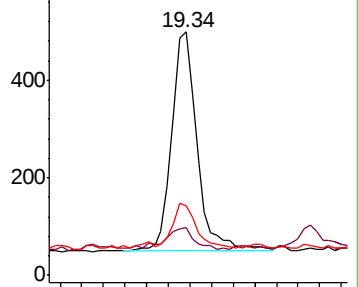
203 19.2 13.8 20.6



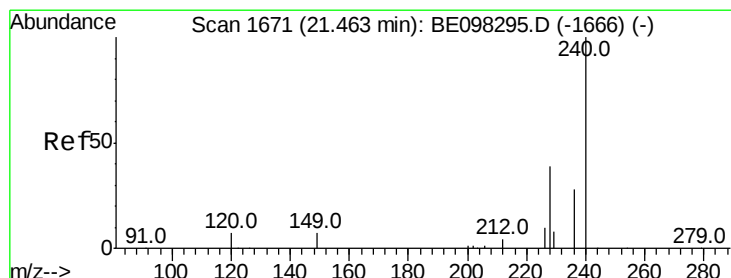
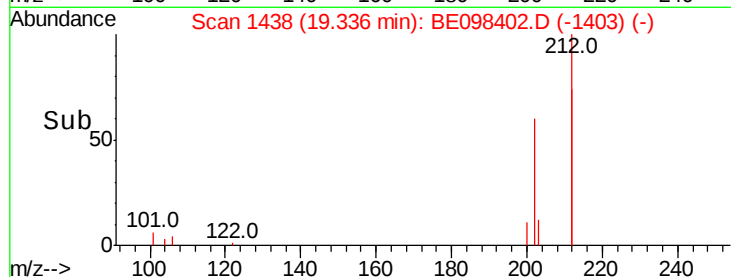
Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E



Time-->



#27

Chrysene-d12

Concen: 0.400 ng

RT: 21.46 min Scan# 1671

Delta R.T. -0.00 min

Lab File: BE098402.D

Acq: 13 Dec 2018 18:22

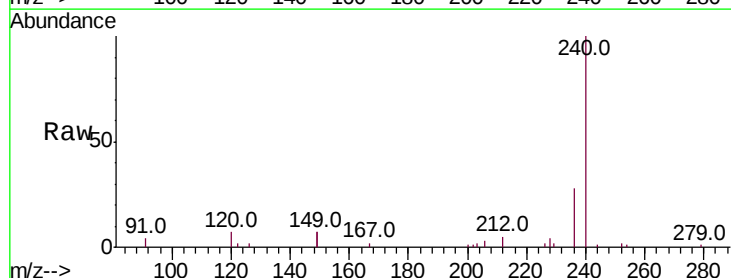
Tgt Ion:240 Resp: 8679

Ion Ratio Lower Upper

240 100

120 7.0 9.5 14.3#

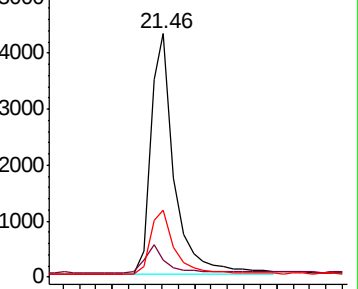
236 27.7 22.7 34.1



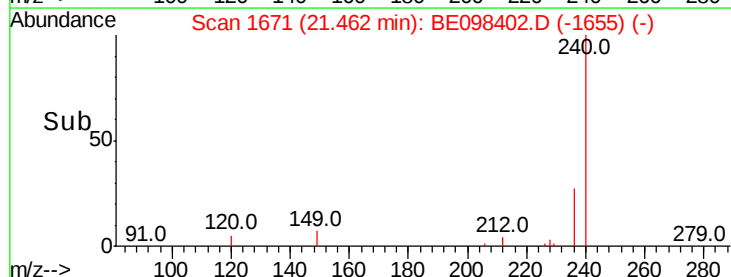
Abundance Ion 240.00 (239.70 to 240.70): E

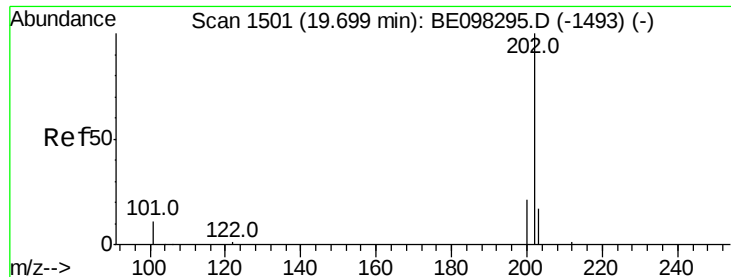
Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E



Time-->

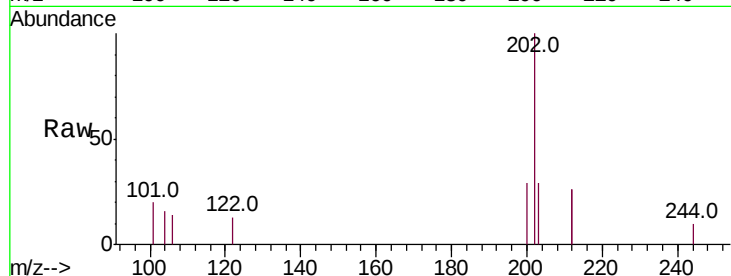




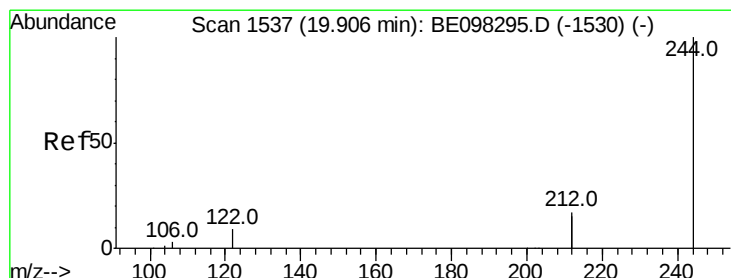
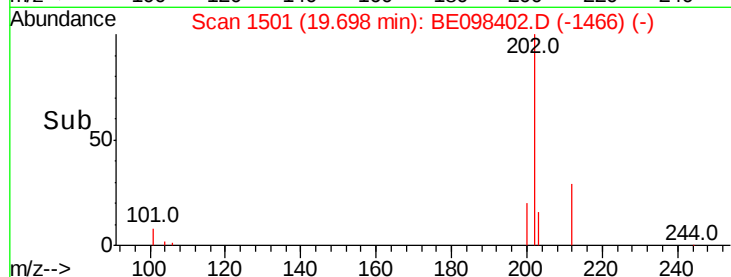
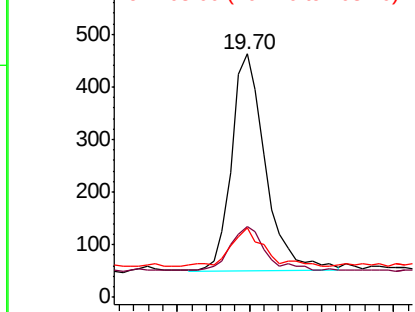
#28
Pvrene
Concen: 0.025 ng
RT: 19.70 min Scan# 1501
Delta R.T. -0.00 min
Lab File: BE098402.D
Acq: 13 Dec 2018 18:22

Instrument :
BNA_E
ClientSampleId :
RE-104D2-20181206

Tot Ion:202 Resp: 671
Ion Ratio Lower Upper
202 100
200 21.0 16.7 25.1
203 16.8 14.1 21.1

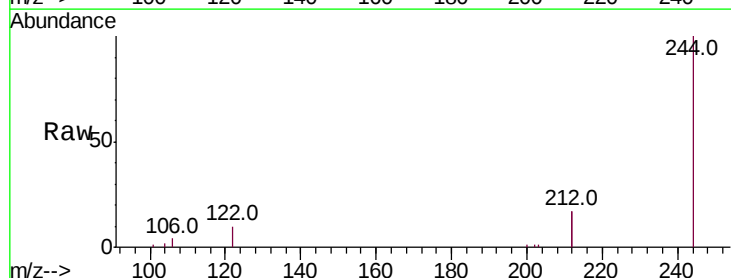


Abundance Ion 202.00 (201.70 to 202.70): E
Ion 200.00 (199.70 to 200.70): E
Ion 203.00 (202.70 to 203.70): E

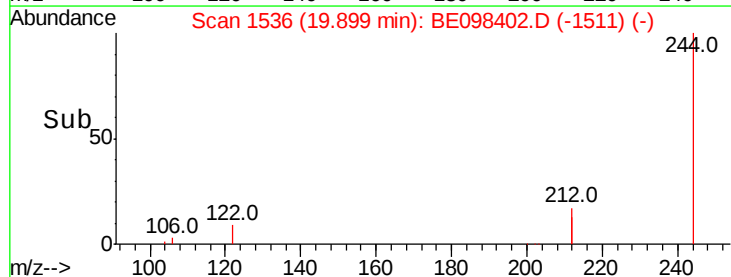
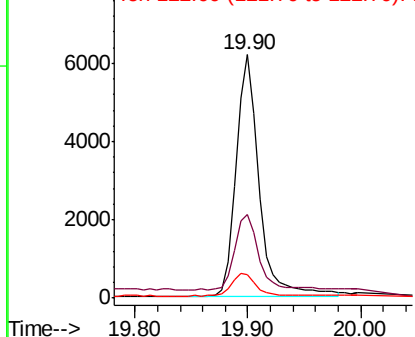


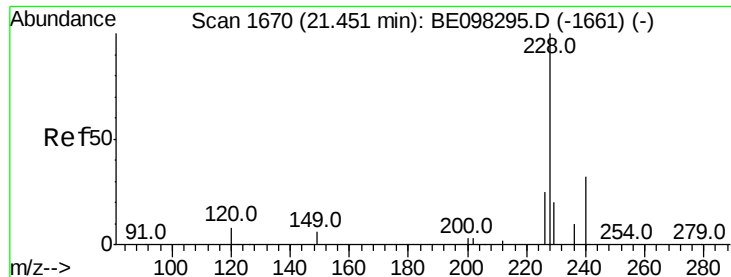
#29
Terphenyl-d14
Concen: 0.420 ng
RT: 19.90 min Scan# 1536
Delta R.T. -0.01 min
Lab File: BE098402.D
Acq: 13 Dec 2018 18:22

Tgt Ion:244 Resp: 8848
Ion Ratio Lower Upper
244 100
212 34.4 27.4 41.0
122 9.6 8.3 12.5



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: 0.026 ng

RT: 21.44 min Scan# 1669

Delta R.T. -0.01 min

Lab File: BE098402.D

Acq: 13 Dec 2018 18:22

Instrument :

BNA_E

ClientSampleId :

RE-104D2-20181206

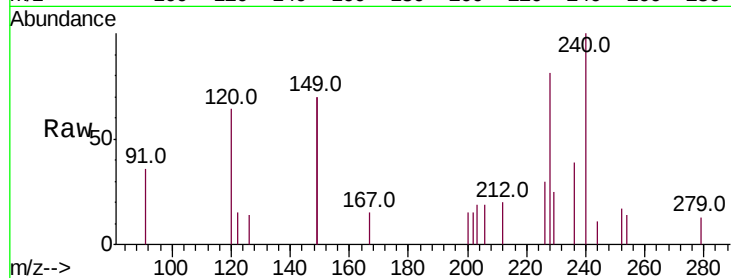
Tot Ion:228 Resp: 646

Ion Ratio Lower Upper

228 100

226 37.0 21.8 32.8#

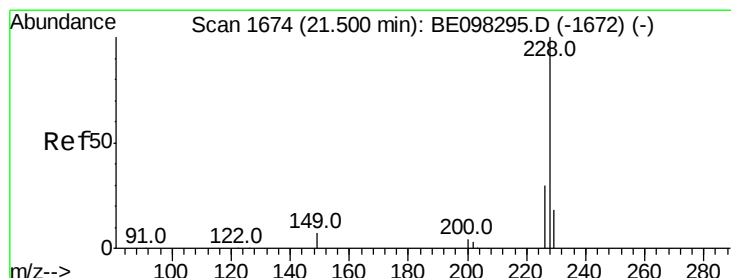
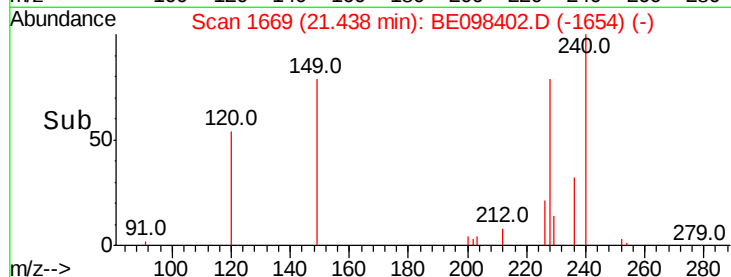
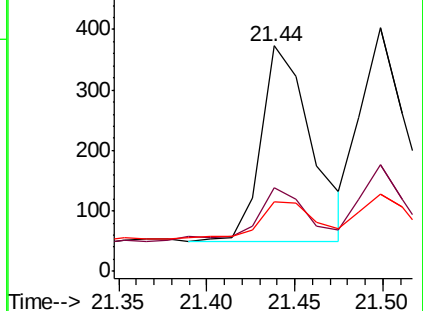
229 30.8 16.3 24.5#



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: 0.025 ng

RT: 21.50 min Scan# 1674

Delta R.T. -0.00 min

Lab File: BE098402.D

Acq: 13 Dec 2018 18:22

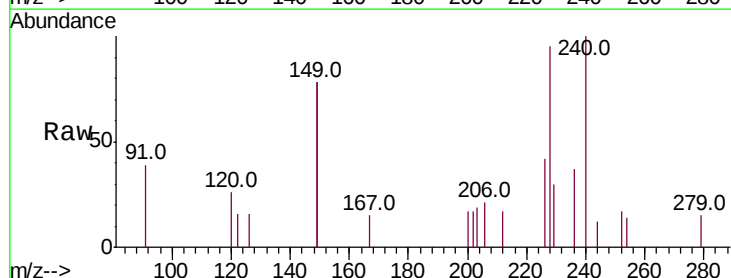
Tgt Ion:228 Resp: 645

Ion Ratio Lower Upper

228 100

226 43.7 23.4 35.0#

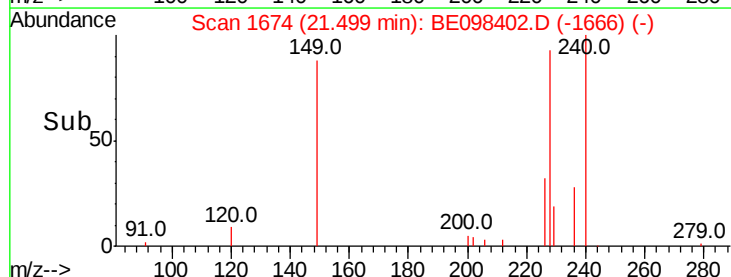
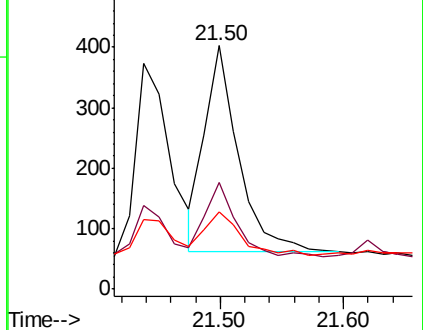
229 31.5 16.2 24.4#

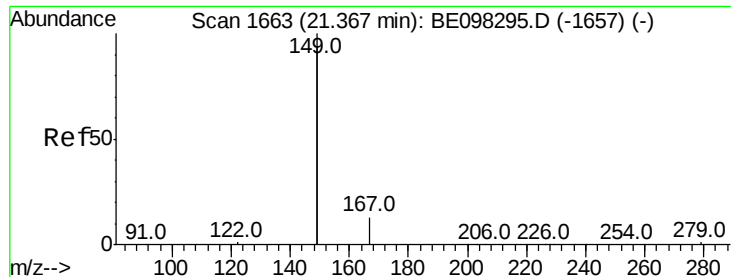


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#32

Bis(2-ethylhexyl)phthalate

Concen: 0.084 ng

RT: 21.35 min Scan# 1662

Delta R.T. -0.01 min

Lab File: BE098402.D

Acq: 13 Dec 2018 18:22

Instrument :

BNA_E

ClientSampleId :

RE-104D2-20181206

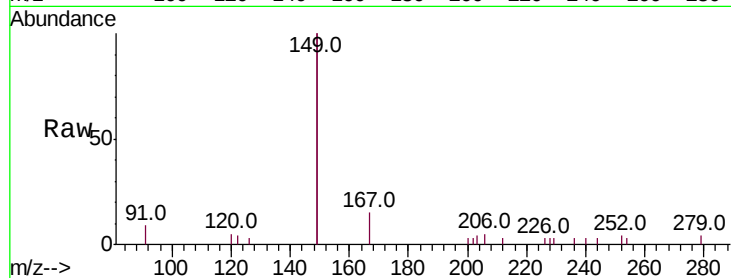
Tot Ion:149 Resp: 4224

Ion Ratio Lower Upper

149 100

167 7.1 5.7 8.5

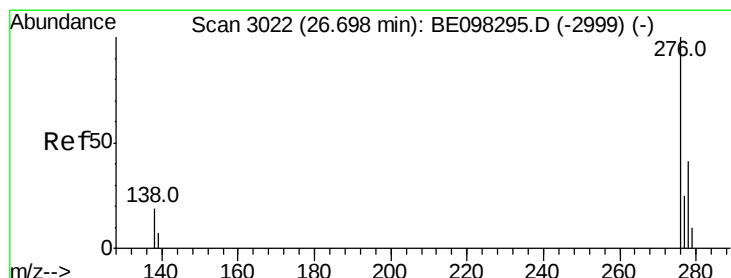
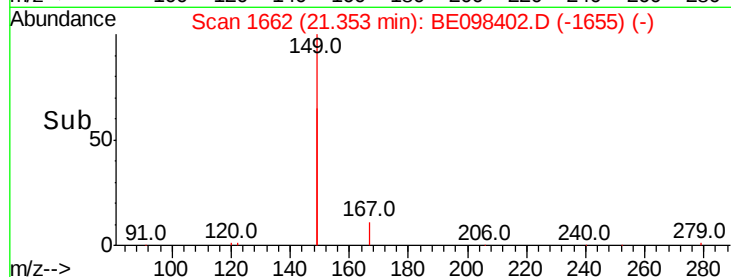
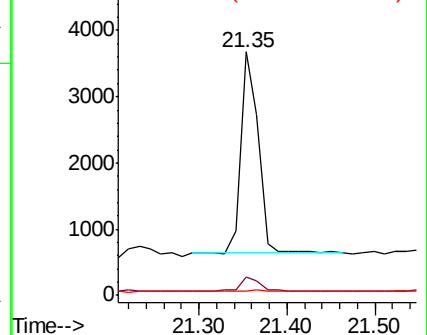
279 1.7 1.0 1.4#



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: 0.020 ng

RT: 26.71 min Scan# 3025

Delta R.T. 0.01 min

Lab File: BE098402.D

Acq: 13 Dec 2018 18:22

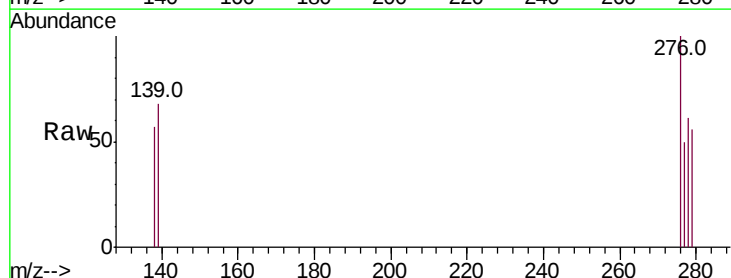
Tgt Ion:276 Resp: 524

Ion Ratio Lower Upper

276 100

138 13.2 16.3 24.5#

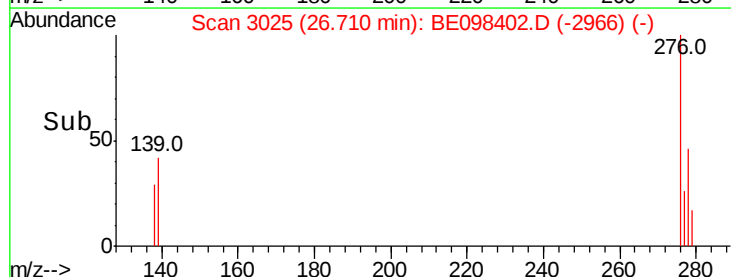
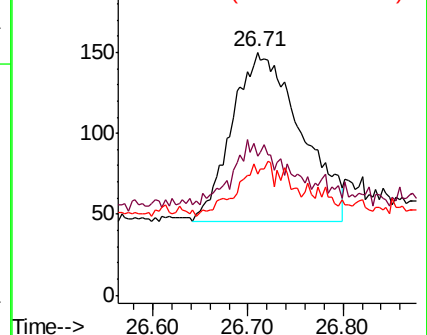
277 9.9 20.2 30.4#

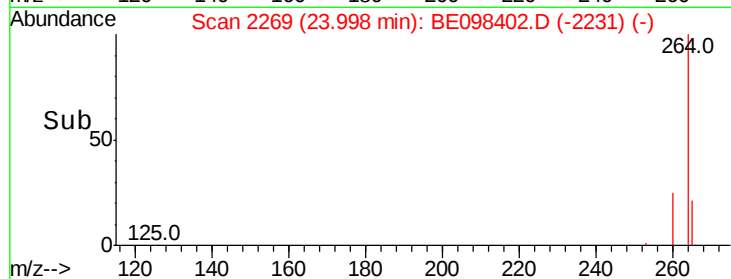
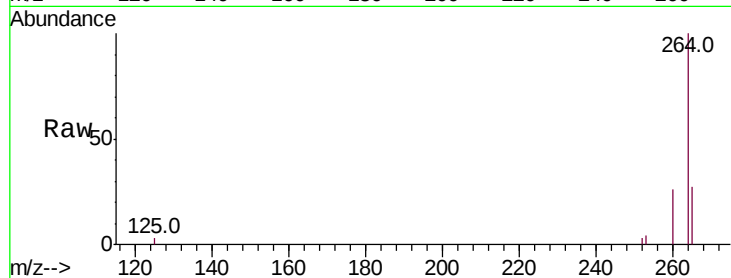
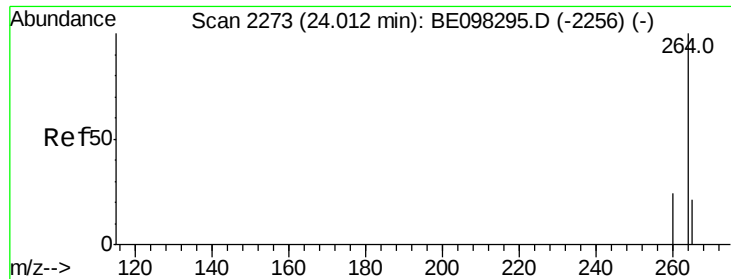


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E





#34

Pervlene-d12

Concen: 0.400 ng

RT: 24.00 min Scan# 2269

Delta R.T. -0.01 min

Lab File: BE098402.D

Acq: 13 Dec 2018 18:22

Instrument :

BNA_E

ClientSampleId :

RE-104D2-20181206

Tot Ion: 264 Resp: 8281

Ion Ratio Lower Upper

264 100

260 26.0 20.2 30.2

265 27.0 25.2 37.8

