

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 20:47:40 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

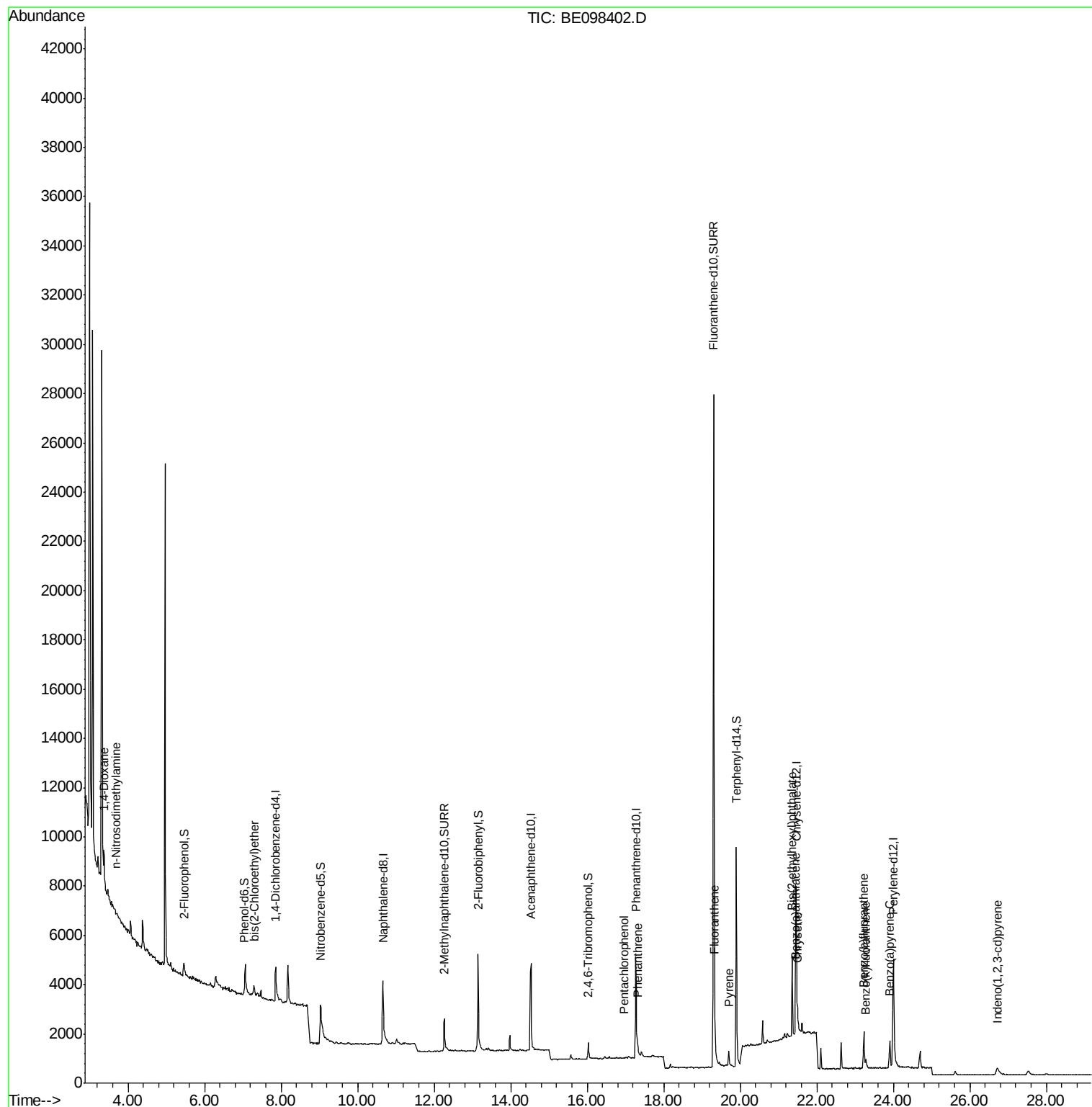
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) 1,4-Dioxane	3.37	88	654	0.426	ng	# 50
3) n-Nitrosodimethylamine	3.69	42	32	0.023	ng	# 100
6) bis(2-Chloroethyl)ether	7.29	93	328	0.117	ng	# 71
22) Pentachlorophenol	16.95	266	26	0.057	ng	# 70
23) Phenanthrene	17.32	178	479	0.027	ng	# 85
26) Fluoranthene	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
35) Benzo(b)fluoranthene	23.23	252	703	0.031	ng	# 1
36) Benzo(k)fluoranthene	23.27	252	648	0.025	ng	# 32
37) Benzo(a)pyrene	23.90	252	690	0.030	ng	# 1

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

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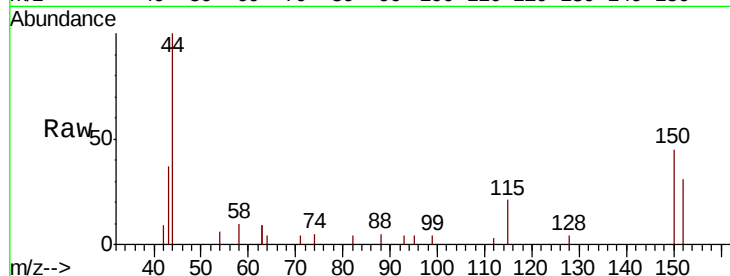


#1

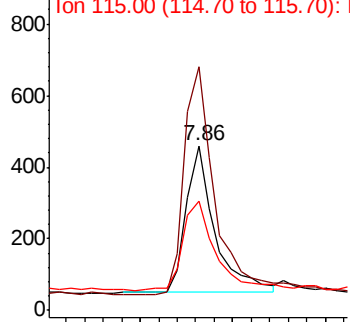
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.86 min Scan# 434
Delta R.T. -0.00 min
Lab File: BE098402.D
Acq: 13 Dec 2018 18:22

Instrument :
BNA_E
ClientSampleId :
RE-104D2-20181206

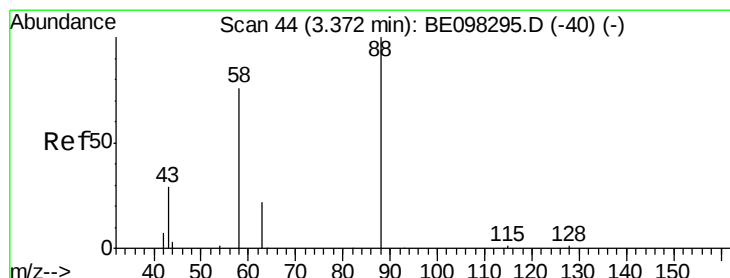
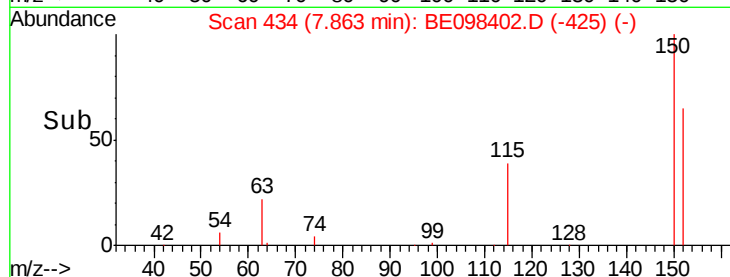
Tgt Ion:152 Resp: 888
Ion Ratio Lower Upper
152 100
150 148.1 124.2 186.4
115 66.9 53.9 80.9



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



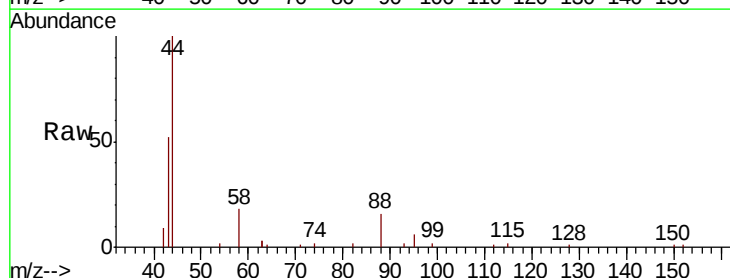
Time-->



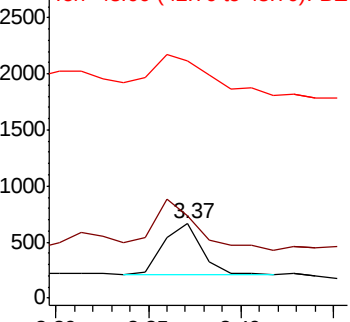
#2

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

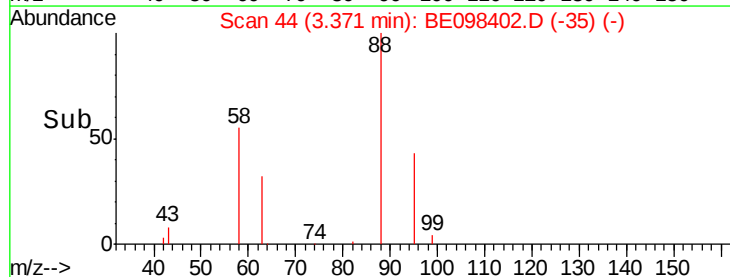
Tgt Ion: 88 Resp: 654
Ion Ratio Lower Upper
88 100
58 110.9 75.0 112.6
43 123.5 38.3 57.5#



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



Time-->





#3

n-Nitrosodimethylamine

Concen: 0.023 ng

RT: 3.69 min Scan# 72

Delta R.T. -0.00 min

Lab File: BE098402.D

Acq: 13 Dec 2018 18:22

Instrument :

BNA_E

ClientSampleId :

RE-104D2-20181206

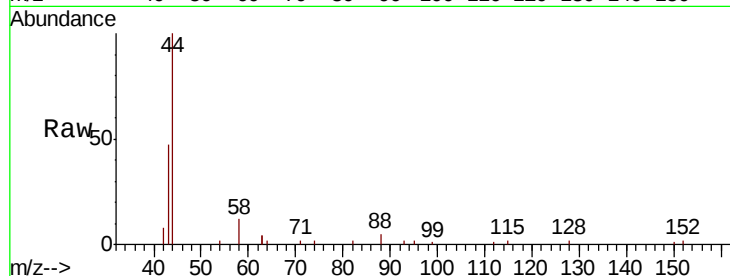
Tgt Ion: 42 Resp: 32

Ion Ratio Lower Upper

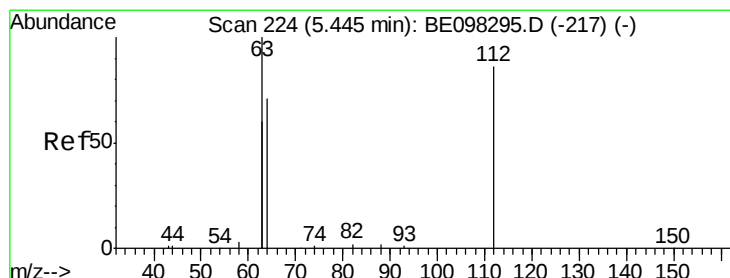
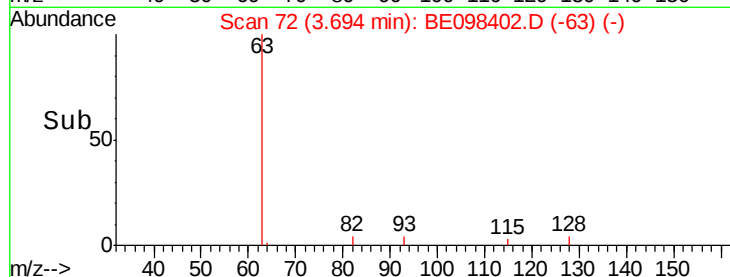
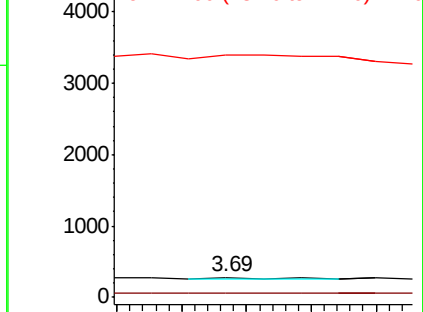
42 100

74 0.0 0.0 0.0

44 0.0 0.0 0.0



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: 0.218 ng

RT: 5.46 min Scan# 225

Delta R.T. 0.01 min

Lab File: BE098402.D

Acq: 13 Dec 2018 18:22

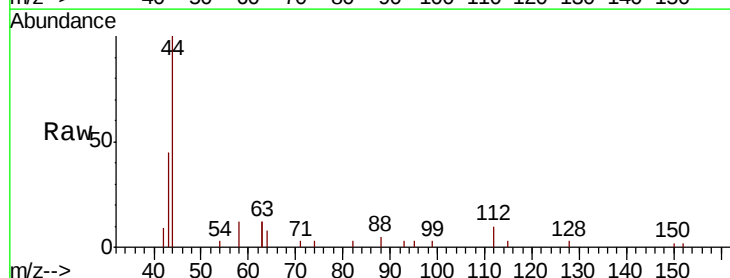
Tgt Ion: 112 Resp: 453

Ion Ratio Lower Upper

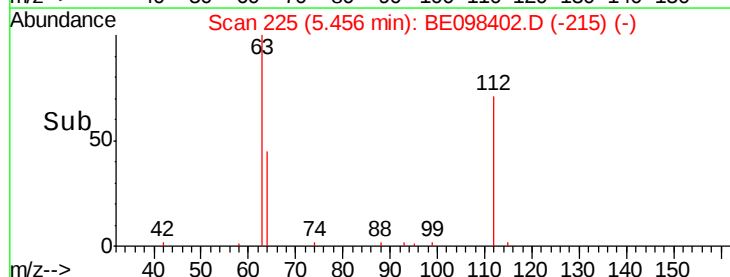
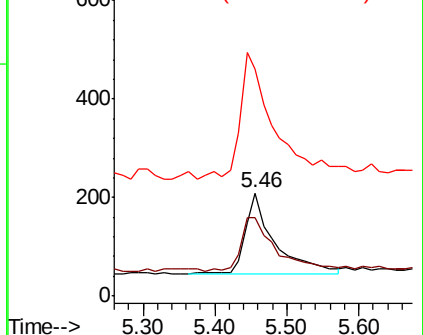
112 100

64 83.4 59.8 89.8

63 194.0 133.7 200.5



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





#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

Instrument :

BNA_E

ClientSampleId :

RE-104D2-20181206

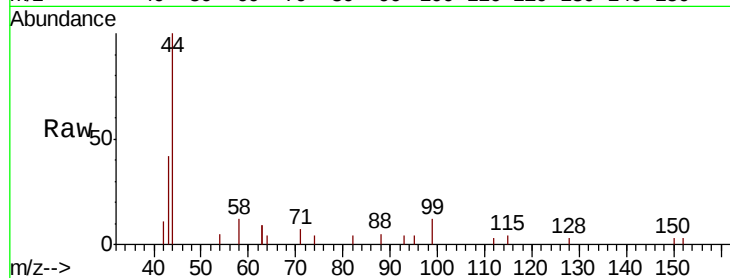
Tgt Ion: 99 Resp: 388

Ion Ratio Lower Upper

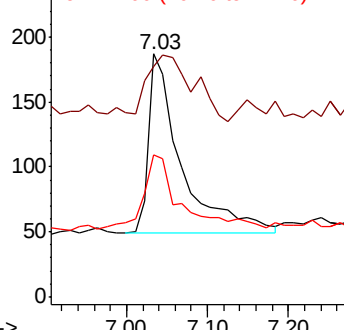
99 100

42 52.6 26.3 39.5#

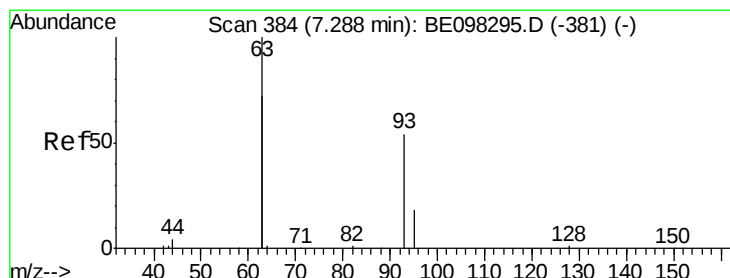
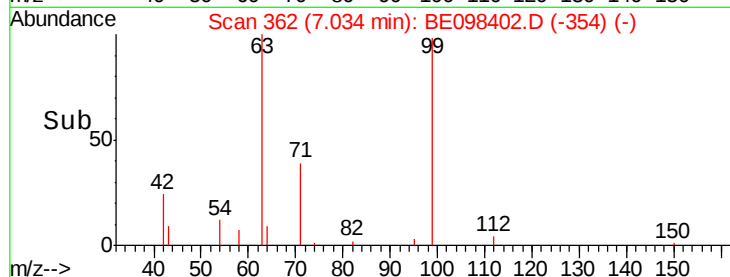
71 46.9 33.6 50.4



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-->



#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

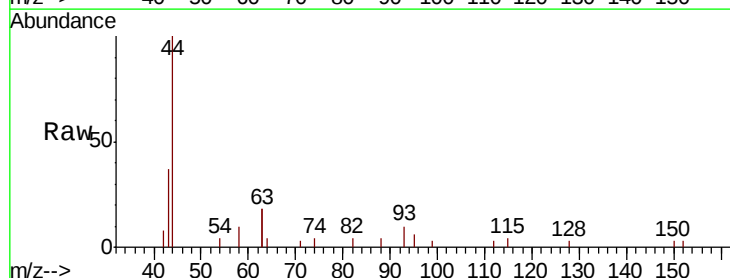
Tgt Ion: 93 Resp: 328

Ion Ratio Lower Upper

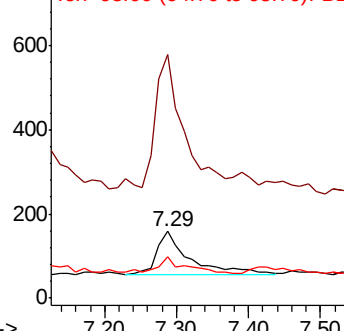
93 100

63 264.9 264.4 396.6

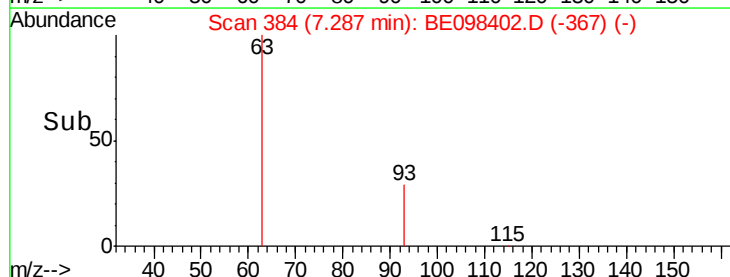
95 31.7 26.6 40.0

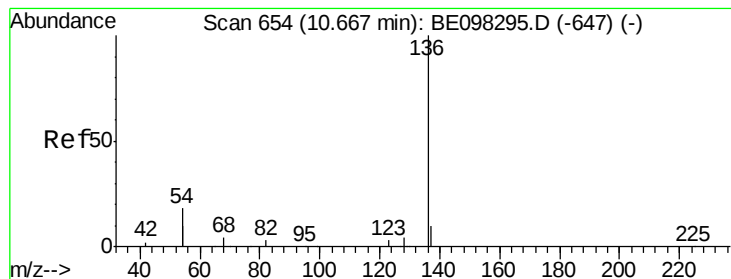


Abundance Ion 93.00 (92.70 to 93.70): BE0
Ion 63.00 (62.70 to 63.70): BE0
Ion 95.00 (94.70 to 95.70): BE0



Time-->





#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

Instrument :

BNA_E

ClientSampleId :

RE-104D2-20181206

Tgt Ion:136 Resp: 3976

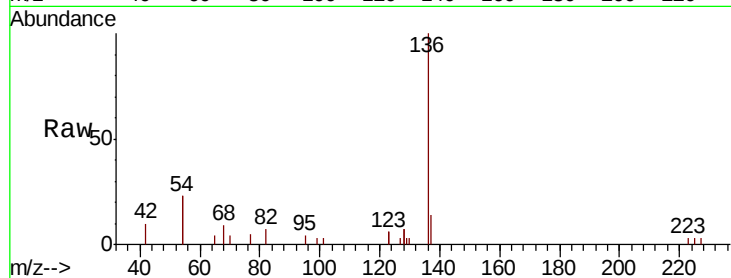
Ion Ratio Lower Upper

136 100

137 13.9 9.2 13.8#

54 46.1 28.4 42.6#

68 9.0 5.4 8.0#

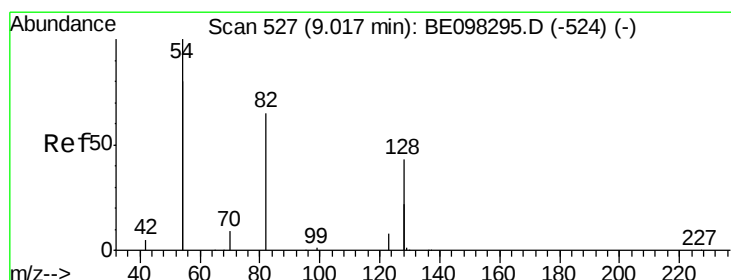
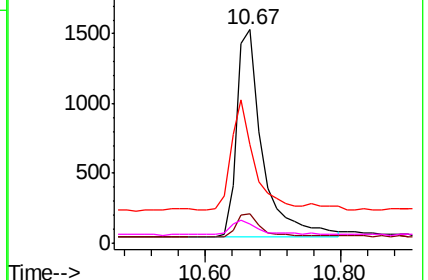
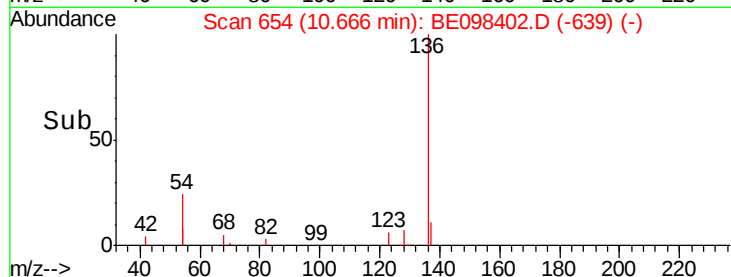


Abundance Ion 136.00 (135.70 to 136.70): E

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: 0.373 ng

RT: 9.03 min Scan# 528

Delta R.T. 0.01 min

Lab File: BE098402.D

Acq: 13 Dec 2018 18:22

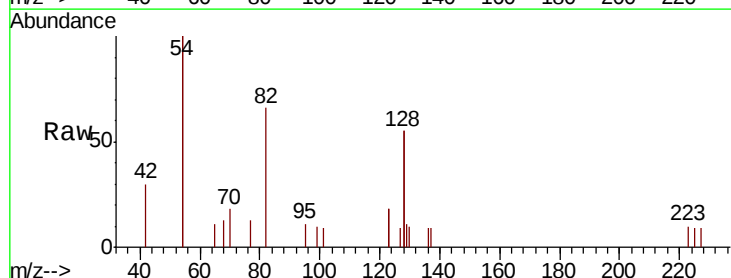
Tgt Ion: 82 Resp: 1350

Ion Ratio Lower Upper

82 100

128 167.2 102.4 153.6#

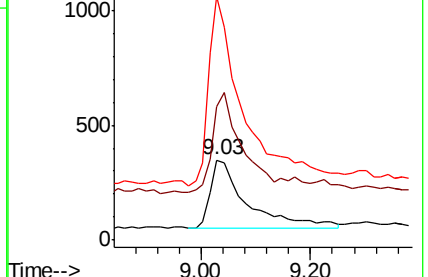
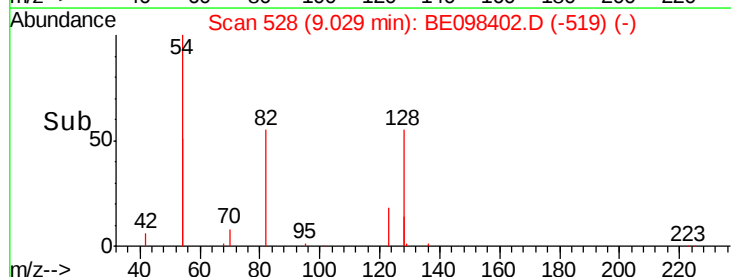
54 304.6 221.8 332.8

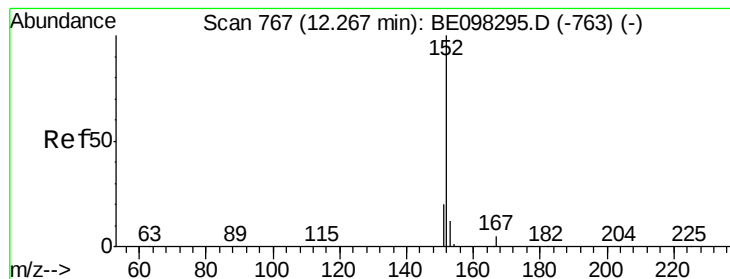


Abundance Ion 82.00 (81.70 to 82.70): BE0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BE0





#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

Instrument :

BNA_E

ClientSampleId :

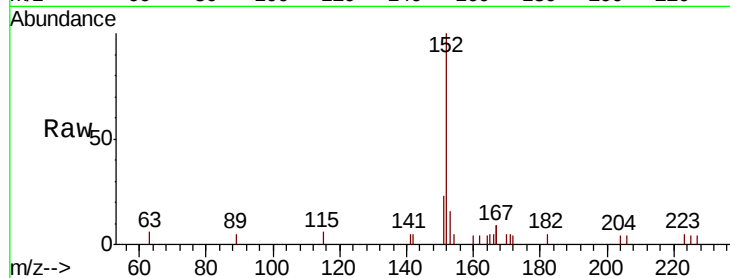
RE-104D2-20181206

Tgt Ion:152 Resp: 2591

Ion Ratio Lower Upper

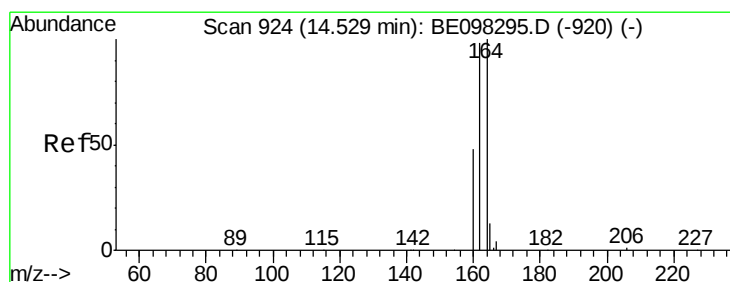
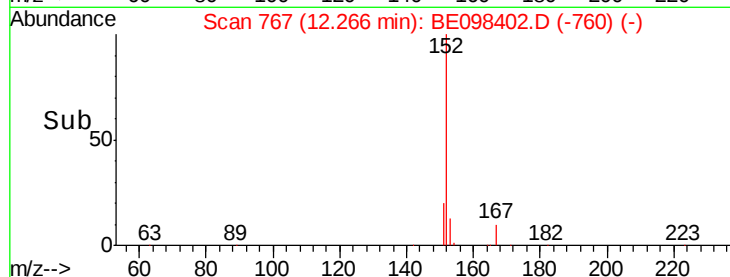
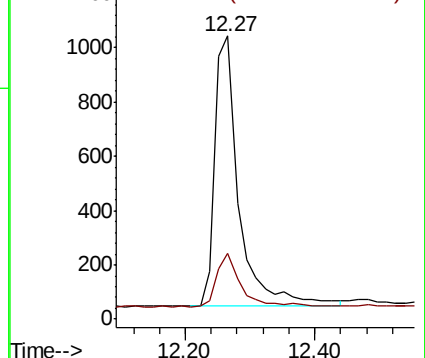
152 100

151 19.8 16.2 24.4



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E



#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

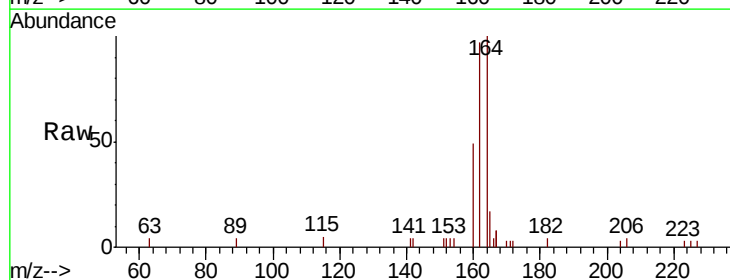
Tgt Ion:164 Resp: 2666

Ion Ratio Lower Upper

164 100

162 96.7 77.6 116.4

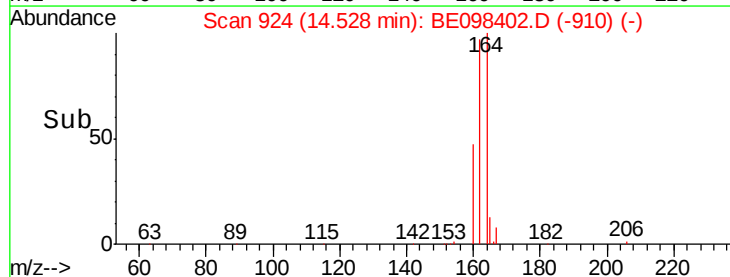
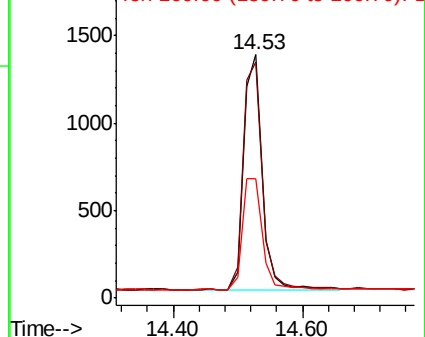
160 49.0 36.0 54.0

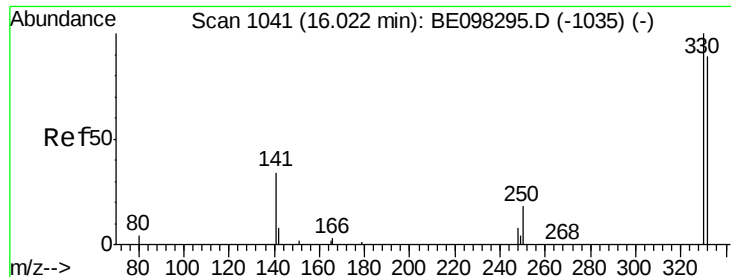


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

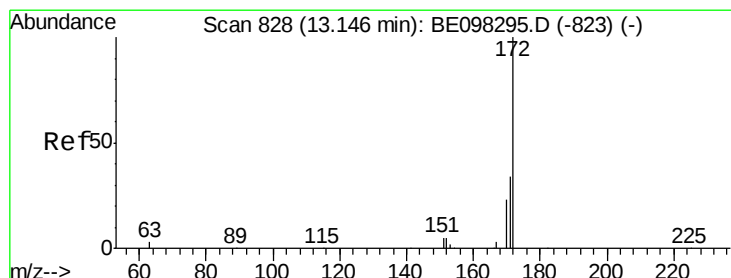
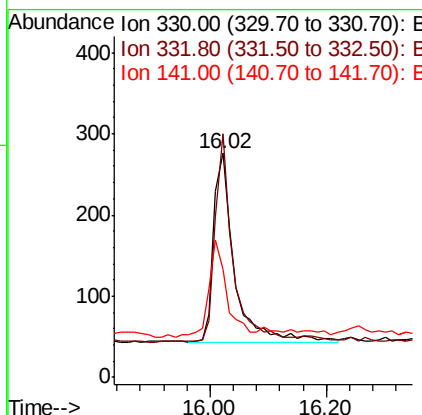
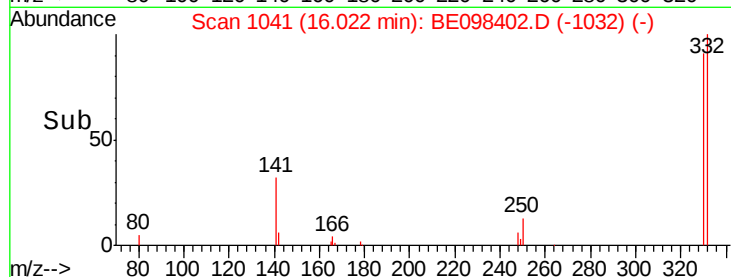
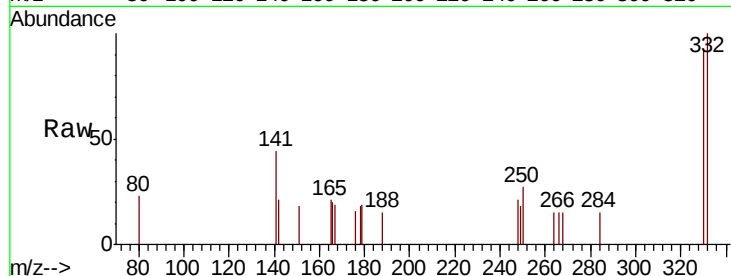




#14
 2,4,6-Tribromophenol
 Concen: 0.602 ng
 RT: 16.02 min Scan# 1041
 Delta R.T. -0.00 min
 Lab File: BE098402.D
 Acq: 13 Dec 2018 18:22

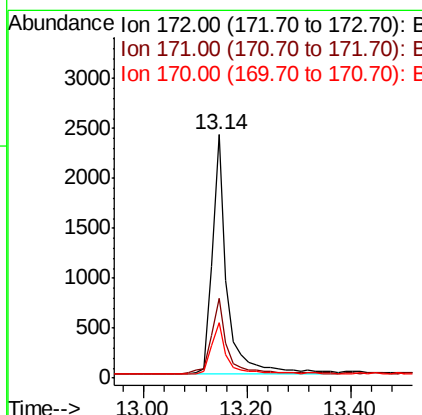
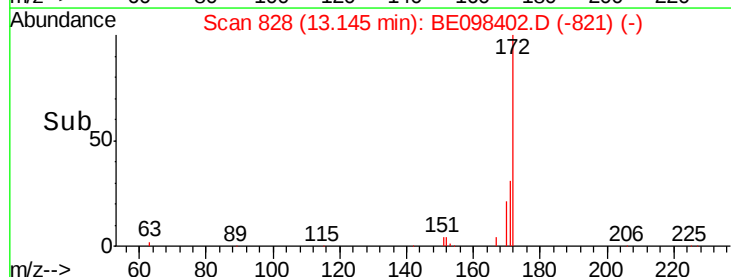
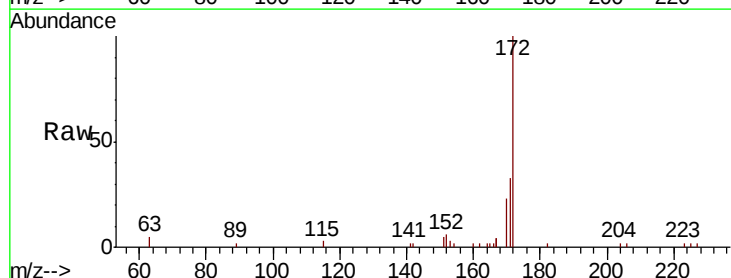
Instrument :
 BNA_E
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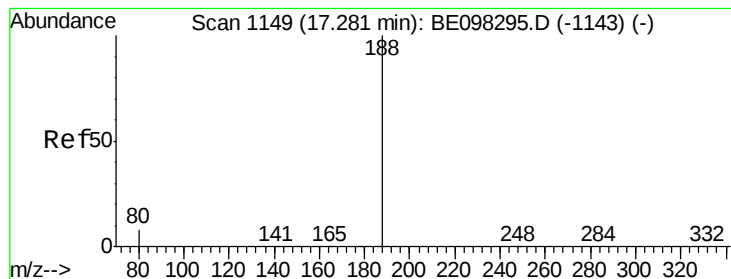
Tgt Ion:330 Resp: 589
 Ion Ratio Lower Upper
 330 100
 332 90.7 76.2 114.4
 141 42.8 39.0 58.4



#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

Tgt 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

Instrument :

BNA_E

ClientSampleId :

RE-104D2-20181206

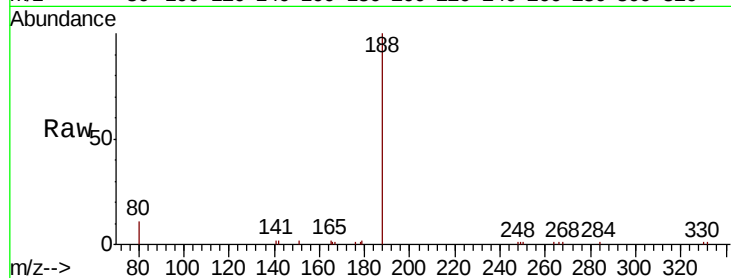
Tgt Ion:188 Resp: 7286

Ion Ratio Lower Upper

188 100

94 0.0 0.0 0.0

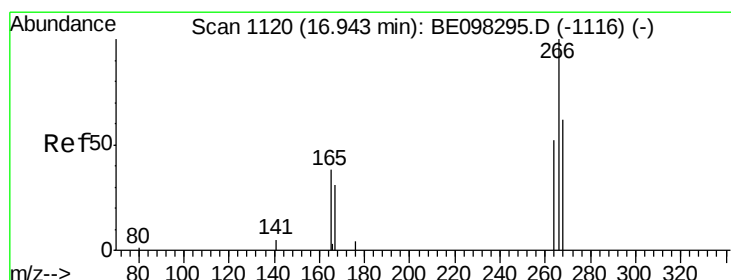
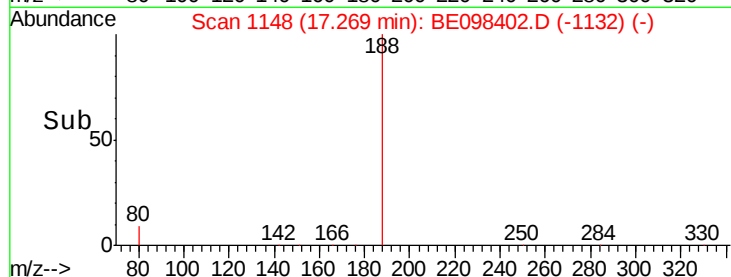
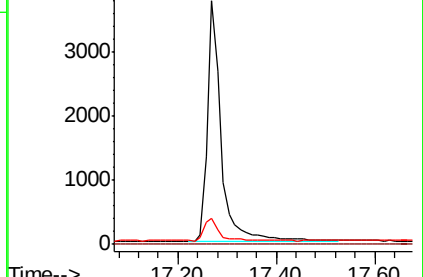
80 10.8 7.2 10.8#



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



#22

Pentachlorophenol

Concen: 0.057 ng

RT: 16.95 min Scan# 1121

Delta R.T. 0.01 min

Lab File: BE098402.D

Acq: 13 Dec 2018 18:22

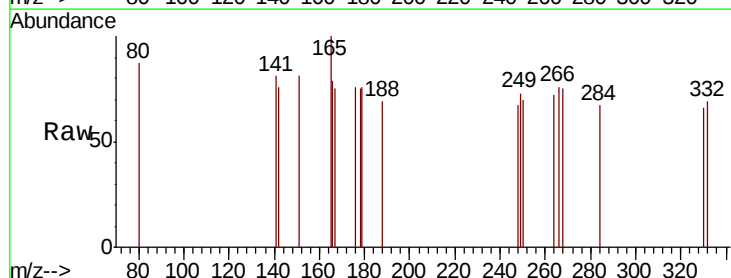
Tgt Ion:266 Resp: 26

Ion Ratio Lower Upper

266 100

264 94.1 59.0 88.4#

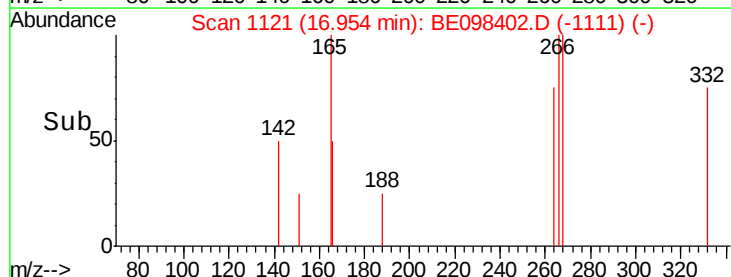
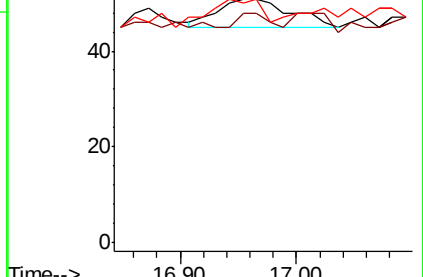
268 98.0 55.1 82.7#

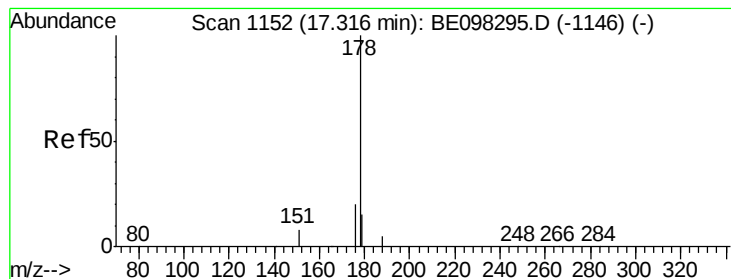


Abundance Ion 266.00 (265.70 to 266.70): E

Ion 264.00 (263.70 to 264.70): E

Ion 268.00 (267.70 to 268.70): E





#23

Phenanthrene

Concen: 0.027 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

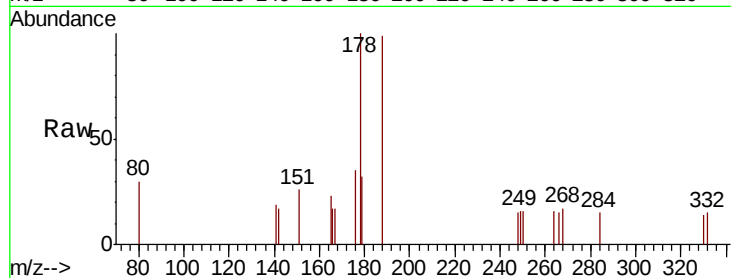
Tgt Ion:178 Resp: 479

Ion Ratio Lower Upper

178 100

176 26.9 15.9 23.9#

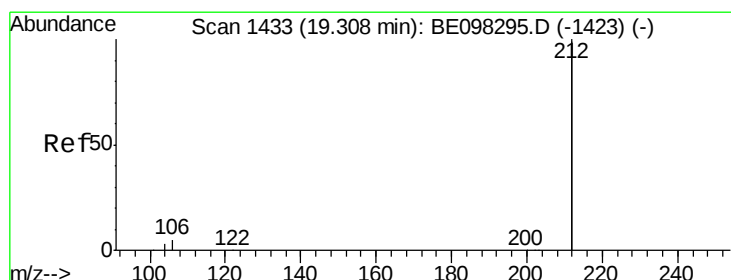
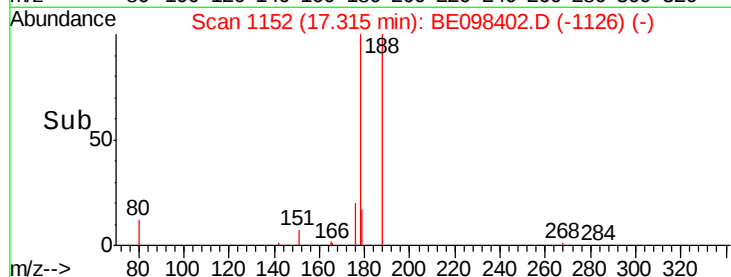
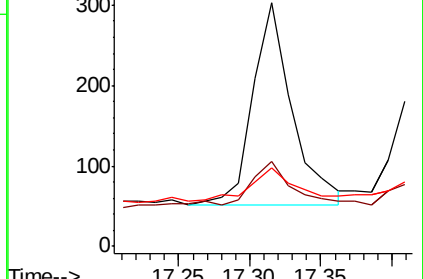
179 21.5 12.3 18.5#



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

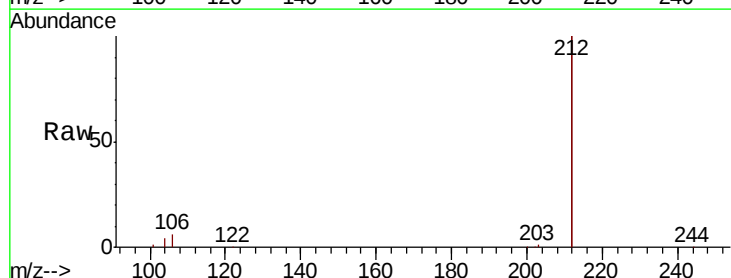
Tgt Ion:212 Resp: 41206

Ion Ratio Lower Upper

212 100

106 2.6 2.2 3.2

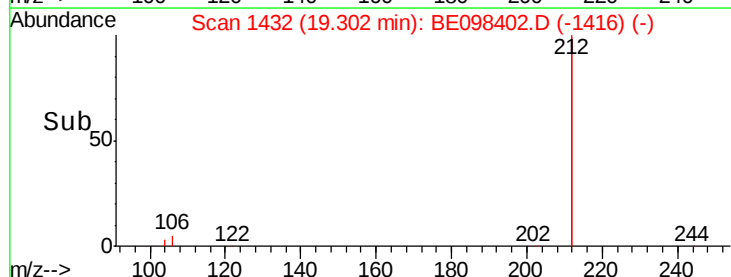
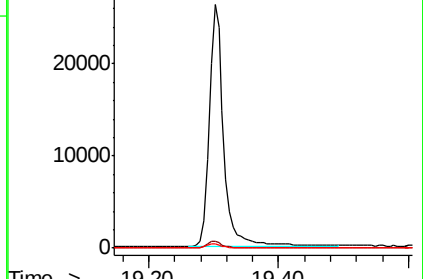
104 1.5 1.3 1.9

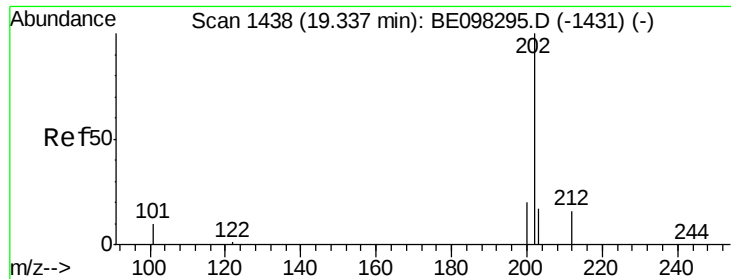


Abundance Ion 212.00 (211.70 to 212.70): E

Ion 106.00 (105.70 to 106.70): E

Ion 104.00 (103.70 to 104.70): E

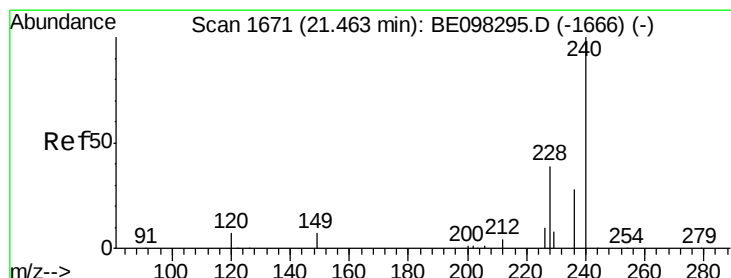
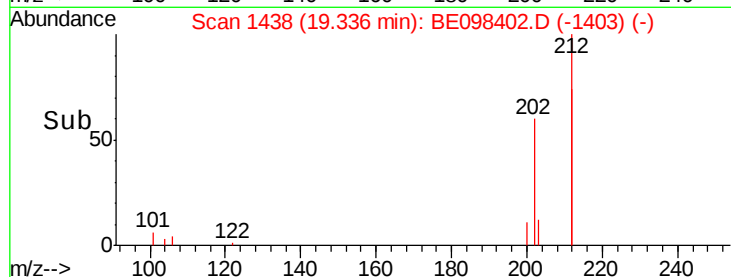
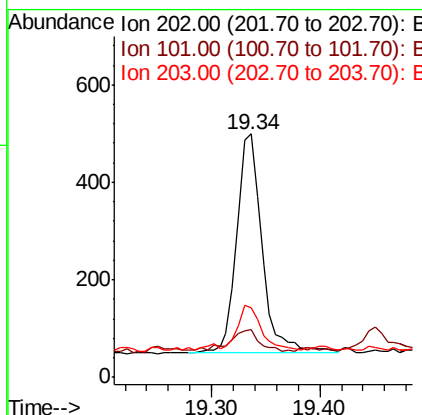
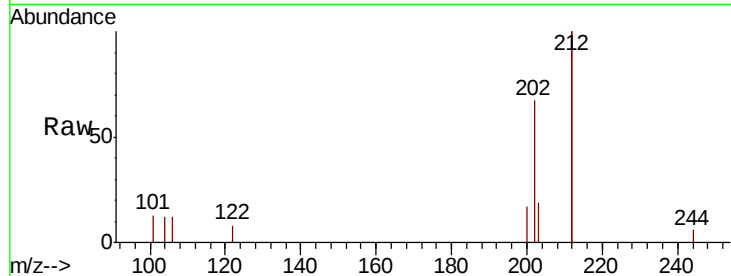




#26
Fluoranthene
Concen: 0.031 ng
RT: 19.34 min Scan# 1438
Delta R.T. -0.00 min
Lab File: BE098402.D
Acq: 13 Dec 2018 18:22

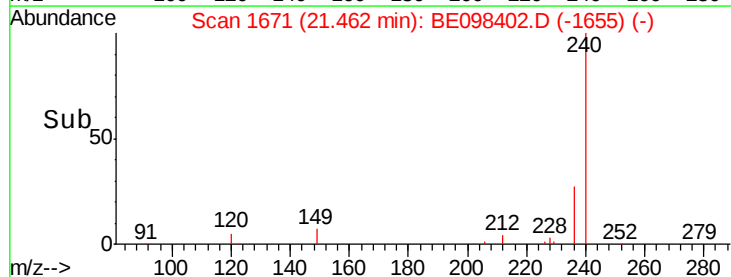
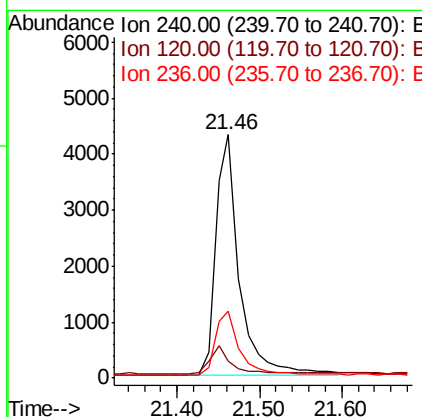
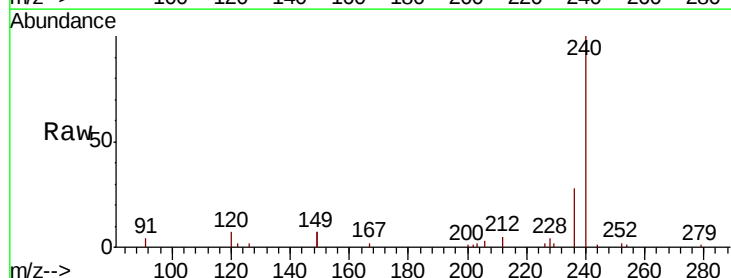
Instrument :
BNA_E
ClientSampleId :
RE-104D2-20181206

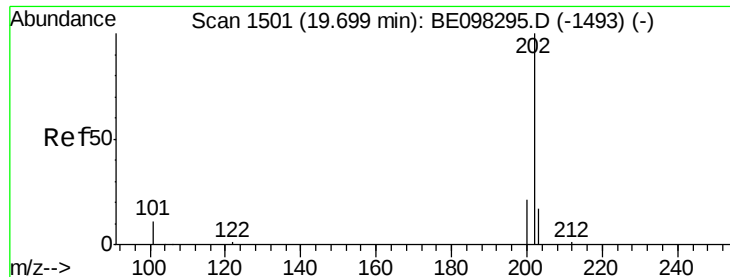
Tgt Ion:202 Resp: 728
Ion Ratio Lower Upper
202 100
101 11.0 8.0 12.0
203 19.2 13.8 20.6



#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





#28

Pyrene

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

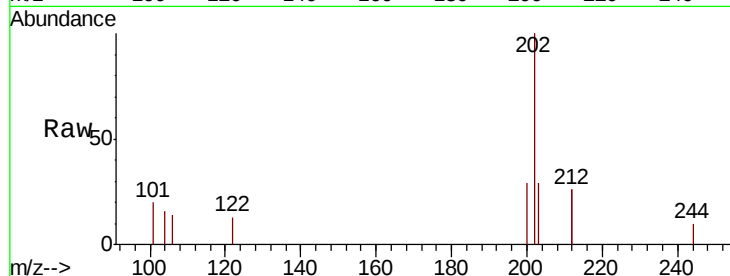
Tgt Ion:202 Resp: 671

Ion Ratio Lower Upper

202 100

200 21.0 16.7 25.1

203 16.8 14.1 21.1

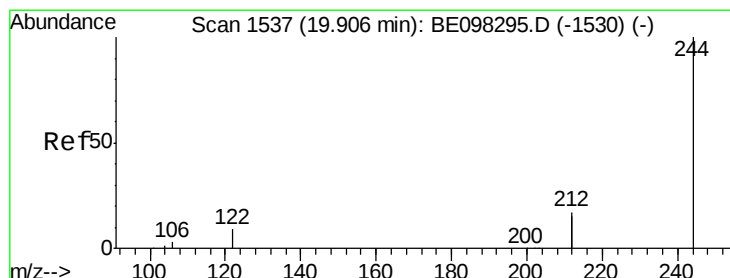
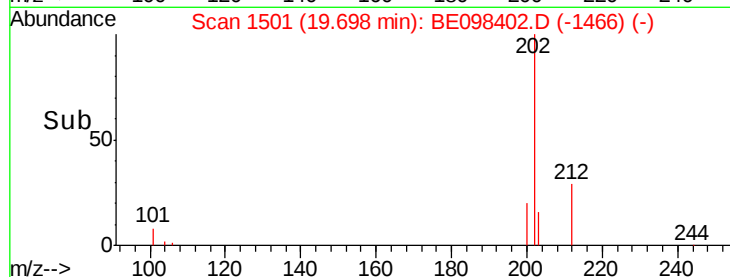
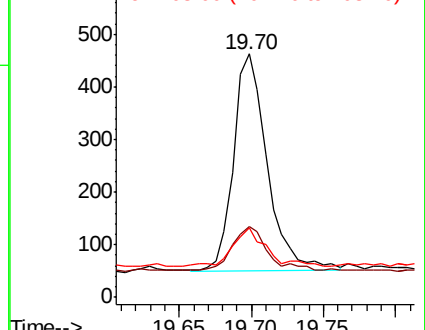


Abundance

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

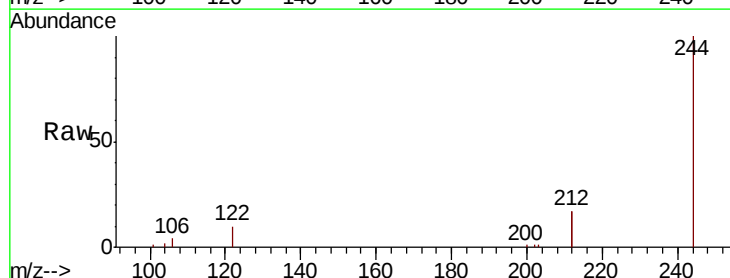
Tgt Ion:244 Resp: 8848

Ion Ratio Lower Upper

244 100

212 34.4 27.4 41.0

122 9.6 8.3 12.5

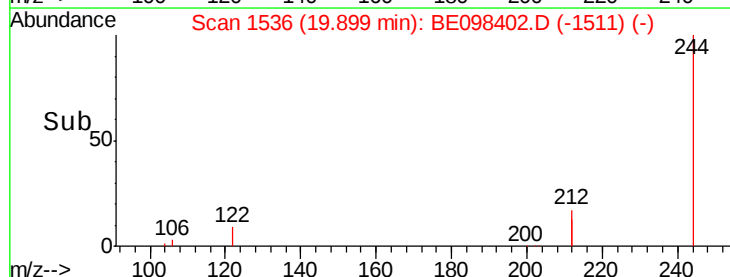
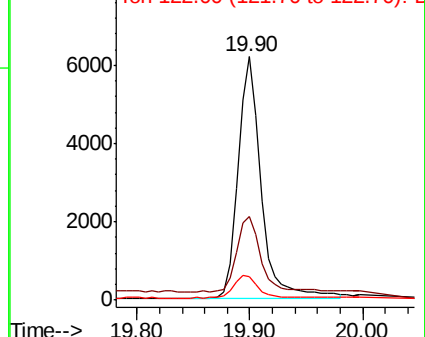


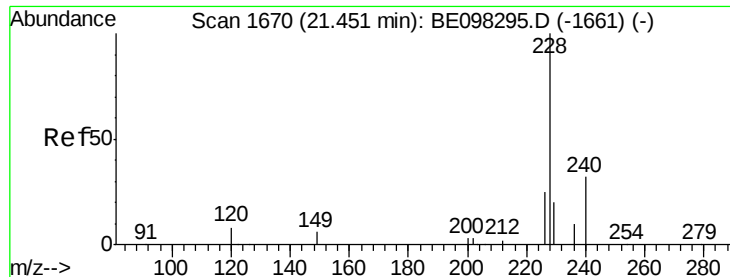
Abundance

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

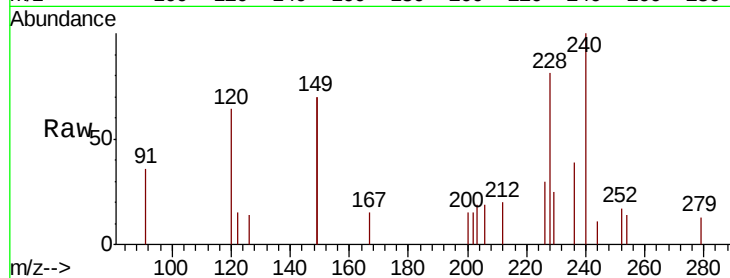
Tgt Ion:228 Resp: 646

Ion Ratio Lower Upper

228 100

226 37.0 21.8 32.8#

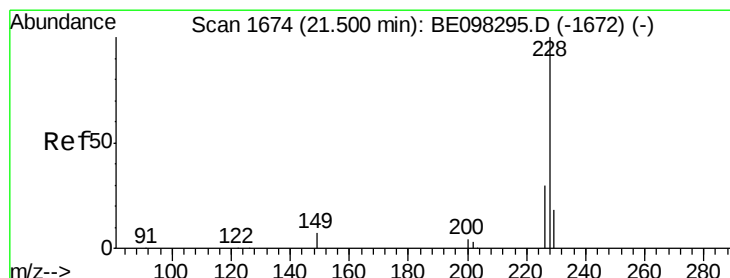
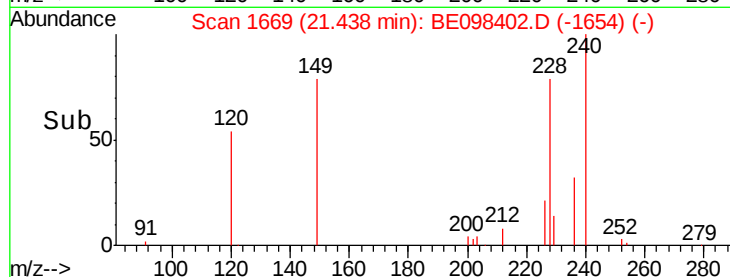
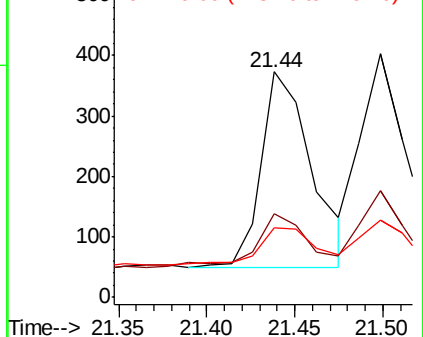
229 30.8 16.3 24.5#



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

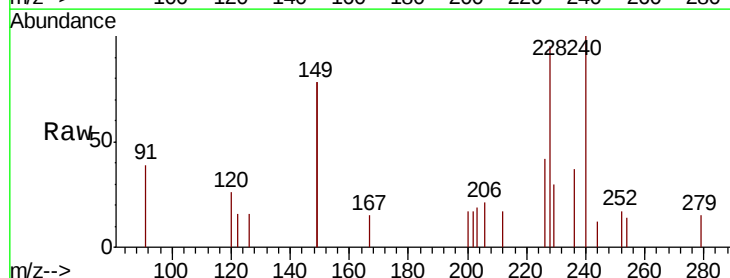
Tgt Ion:228 Resp: 645

Ion Ratio Lower Upper

228 100

226 43.7 23.4 35.0#

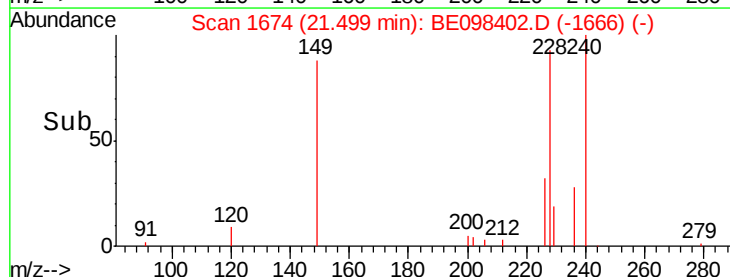
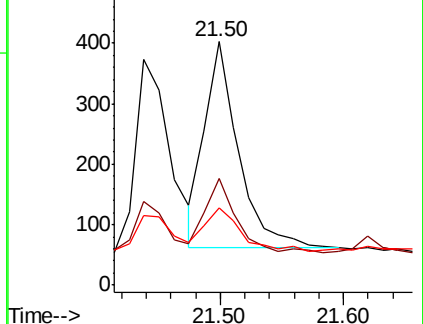
229 31.5 16.2 24.4#

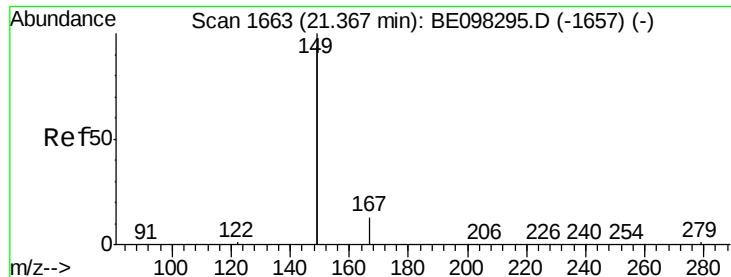


Abundance Ion 228.00 (227.70 to 228.70): E

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

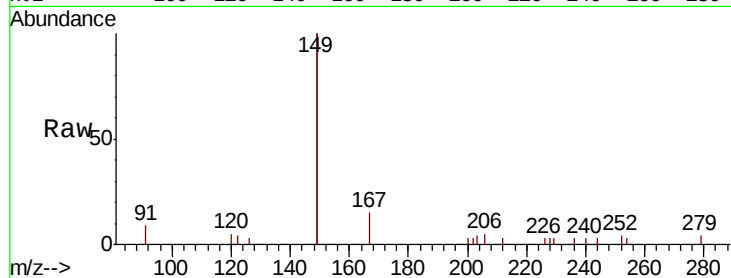
Tgt Ion:149 Resp: 4224

Ion Ratio Lower Upper

149 100

167 7.1 5.7 8.5

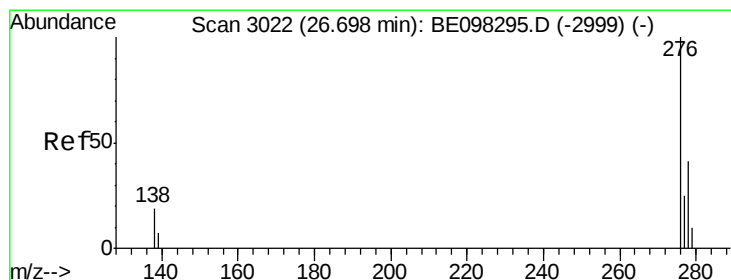
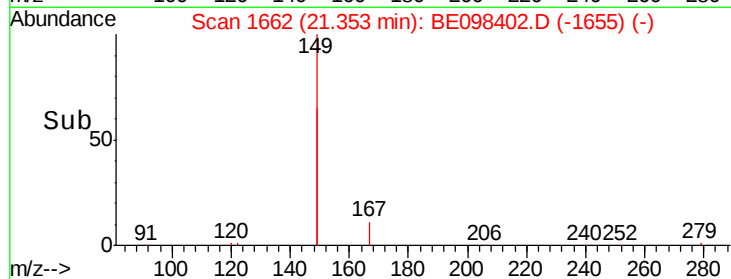
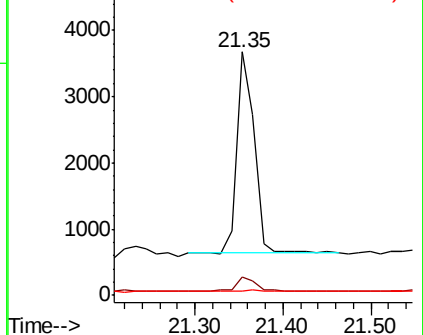
279 1.7 1.0 1.4#



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

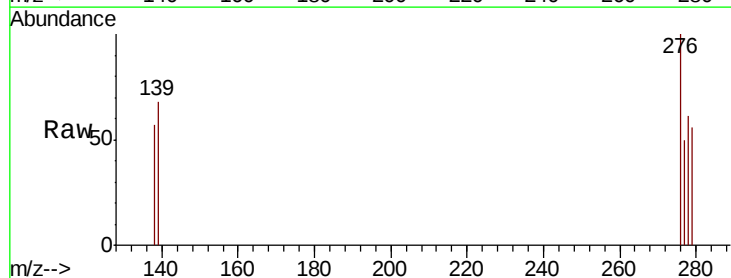
Tgt Ion:276 Resp: 524

Ion Ratio Lower Upper

276 100

138 13.2 16.3 24.5#

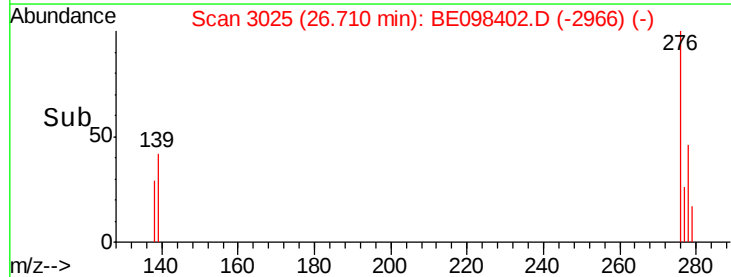
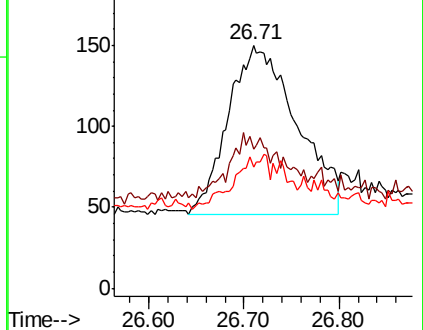
277 9.9 20.2 30.4#

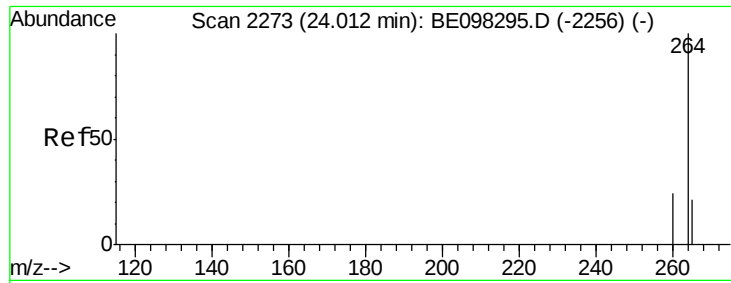


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E

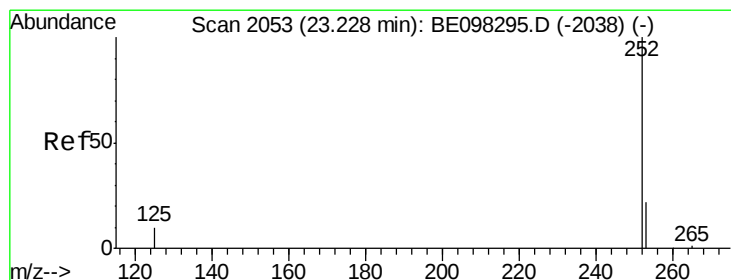
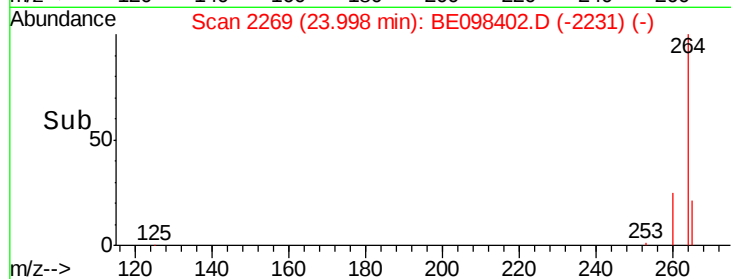
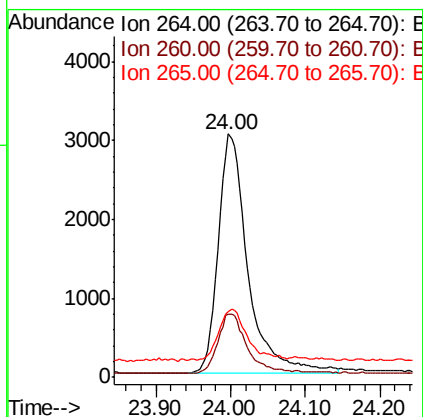
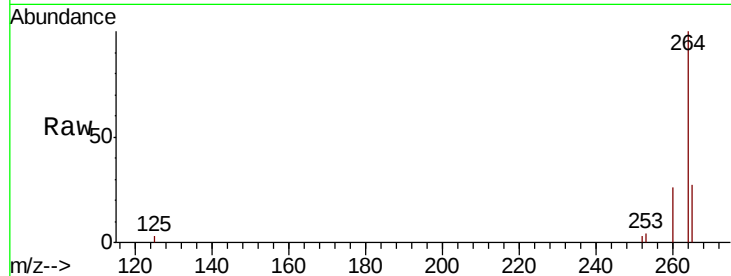




#34
 Perylene-d12
 Concen: 0.400 ng
 RT: 24.00 min Scan# 2269
 Delta R.T. -0.01 min
 Lab File: BE098402.D
 Acq: 13 Dec 2018 18:22

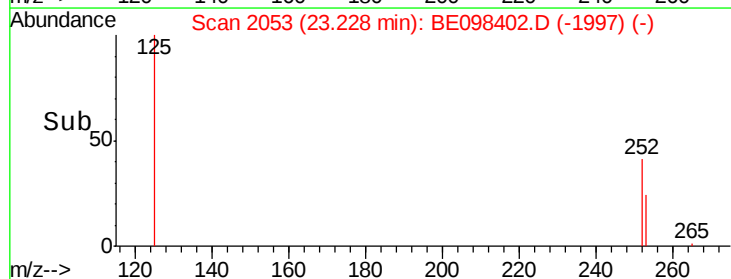
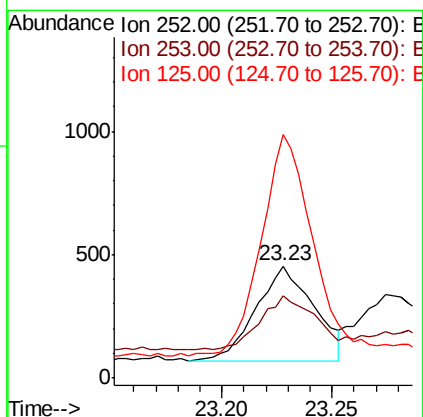
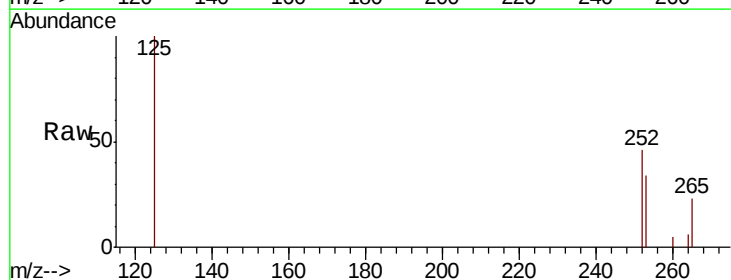
Instrument :
 BNA_E
 ClientSampleId :
 RE-104D2-20181206

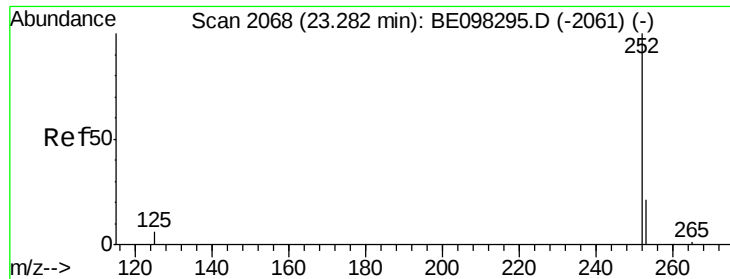
Tgt Ion: 264 Resp: 8281
 Ion Ratio Lower Upper
 264 100
 260 26.0 20.2 30.2
 265 27.0 25.2 37.8



#35
 Benzo(b)fluoranthene
 Concen: 0.031 ng
 RT: 23.23 min Scan# 2053
 Delta R.T. -0.00 min
 Lab File: BE098402.D
 Acq: 13 Dec 2018 18:22

Tgt Ion: 252 Resp: 703
 Ion Ratio Lower Upper
 252 100
 253 73.5 20.0 30.0#
 125 217.9 9.6 14.4#





#36

Benzo(k)fluoranthene

Concen: 0.025 ng

RT: 23.27 min Scan# 2066

Delta R.T. -0.01 min

Lab File: BE098402.D

Acq: 13 Dec 2018 18:22

Instrument :

BNA_E

ClientSampleId :

RE-104D2-20181206

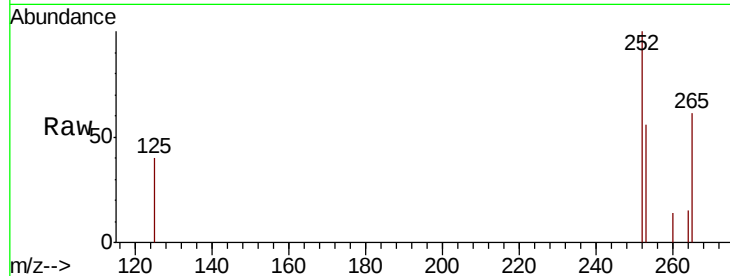
Tgt Ion: 252 Resp: 648

Ion Ratio Lower Upper

252 100

253 56.0 19.0 28.6#

125 39.5 9.1 13.7#

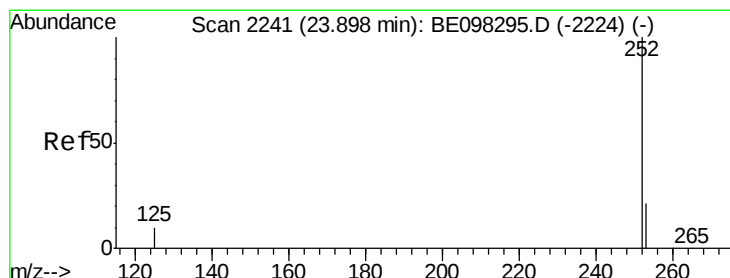
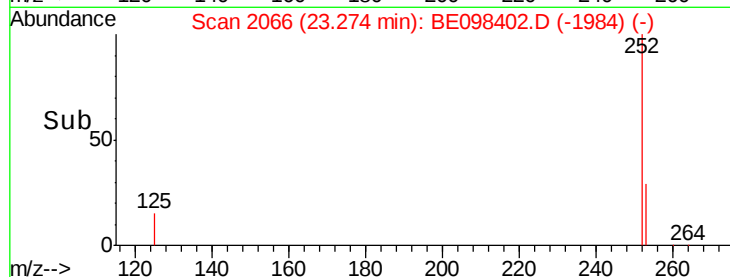
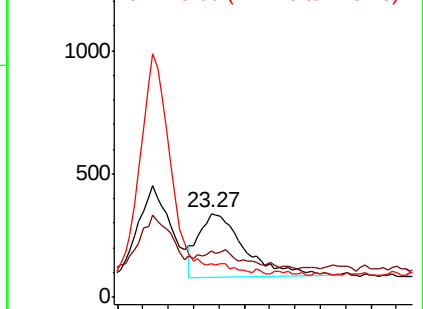


Abundance

Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#37

Benzo(a)pyrene

Concen: 0.030 ng

RT: 23.90 min Scan# 2242

Delta R.T. 0.00 min

Lab File: BE098402.D

Acq: 13 Dec 2018 18:22

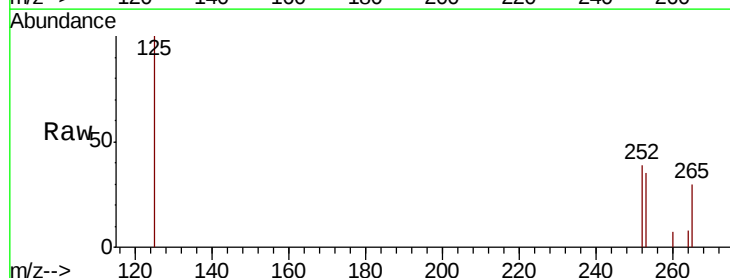
Tgt Ion: 252 Resp: 690

Ion Ratio Lower Upper

252 100

253 90.9 20.6 30.8#

125 256.8 10.5 15.7#



Abundance

Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

