

Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE121218\
 Data File : BE098387.D
 Acq On : 13 Dec 2018 8:56
 Operator : SJ/JU
 Sample : PB115545BS
 Misc :
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 PB115545BS

Quant Time: Dec 13 10:45:14 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	7.88	152	1150	0.40	ng	0.01
7) Naphthalene-d8	10.68	136	4718	0.40	ng	0.01
13) Acenaphthene-d10	14.54	164	2716	0.40	ng	0.01
19) Phenanthrene-d10	17.28	188	7304	0.40	ng	0.00
27) Chrysene-d12	21.46	240	9470	0.40	ng	0.00
34) Perylene-d12	24.01	264	8818	0.40	ng	0.00

System Monitoring Compounds						
4) 2-Fluorophenol	5.47	112	686	0.25	ng	0.02
5) Phenol-d6	7.07	99	793	0.21	ng	0.02
8) Nitrobenzene-d5	9.05	82	970	0.23	ng	0.04
11) 2-Methylnaphthalene-d10	12.28	152	1889	0.25	ng	0.01
14) 2,4,6-Tribromophenol	16.04	330	165	0.17	ng	0.02
15) 2-Fluorobiphenyl	13.16	172	2654	0.23	ng	0.01
25) Fluoranthene-d10	19.31	212	23242	0.25	ng	0.00
29) Terphenyl-d14	19.91	244	4294	0.19	ng	0.00

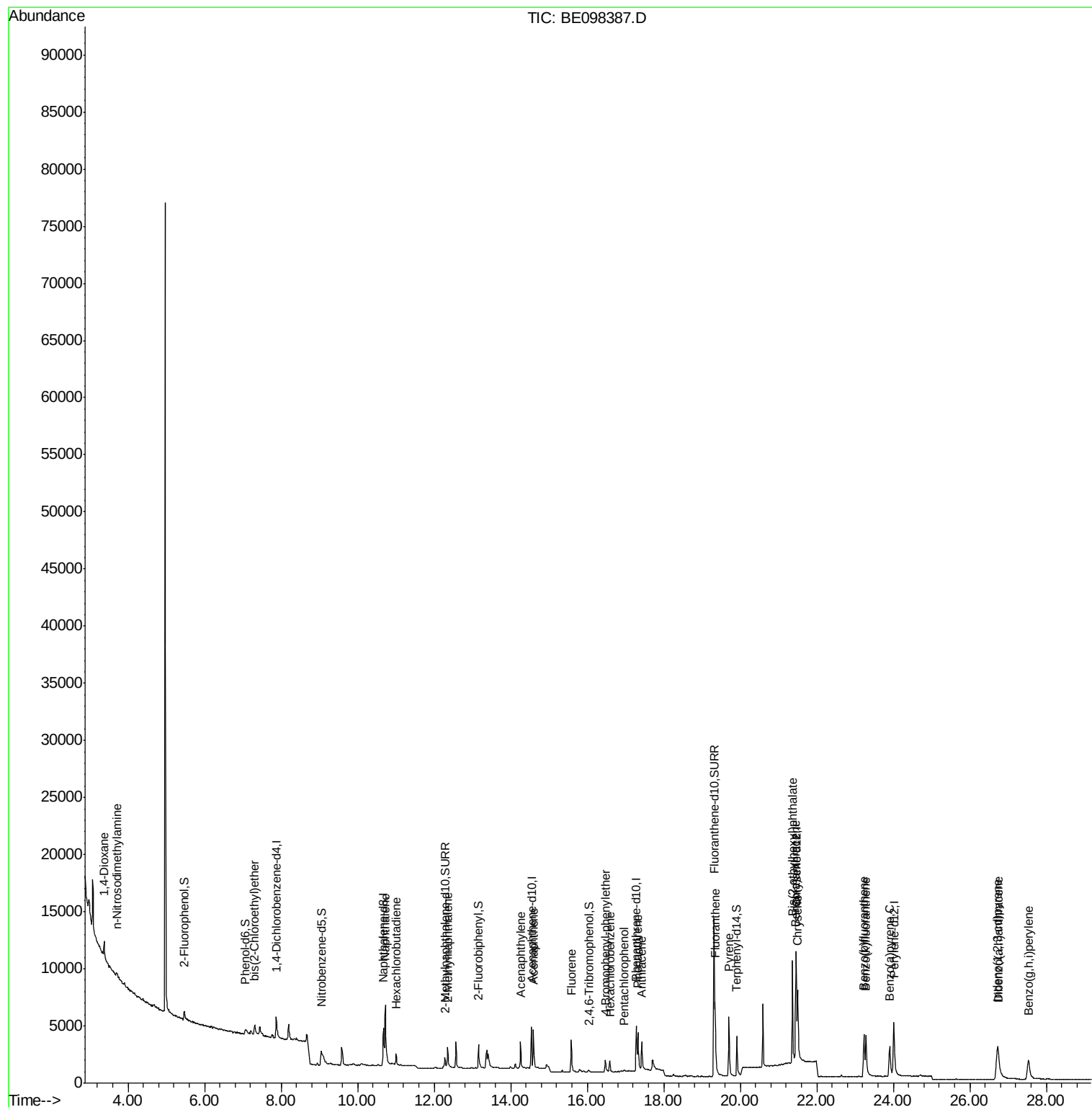
Target Compounds				Qvalue		
2) 1,4-Dioxane	3.37	88	707	0.355	ng	# 45
3) n-Nitrosodimethylamine	3.71	42	439	0.245	ng	# 100
6) bis(2-Chloroethyl)ether	7.31	93	627	0.173	ng	96
9) Naphthalene	10.73	128	10915	0.230	ng	# 98
10) Hexachlorobutadiene	11.00	225	668	0.221	ng	98
12) 2-Methylnaphthalene	12.35	142	1674	0.217	ng	93
16) Acenaphthylene	14.25	152	2950	0.232	ng	99
17) Acenaphthene	14.60	154	1669	0.218	ng	98
18) Fluorene	15.58	166	2244	0.219	ng	99
20) 4-Bromophenyl-phenylether	16.48	248	732	0.186	ng	88
21) Hexachlorobenzene	16.59	284	887	0.210	ng	98
22) Pentachlorophenol	16.97	266	117	0.192	ng	# 82
23) Phenanthrene	17.33	178	4108	0.231	ng	99
24) Anthracene	17.42	178	3266	0.206	ng	99
26) Fluoranthene	19.34	202	5821	0.248	ng	99
28) Pyrene	19.71	202	5847	0.197	ng	99
30) Benzo(a)anthracene	21.45	228	5852	0.217	ng	100
31) Chrysene	21.50	228	6714	0.238	ng	96
32) Bis(2-ethylhexyl)phthalate	21.37	149	10096	0.184	ng	100
33) Indeno(1,2,3-cd)pyrene	26.72	276	6496	0.231	ng	# 85
35) Benzo(b)fluoranthene	23.23	252	5594	0.232	ng	98
36) Benzo(k)fluoranthene	23.28	252	6773	0.241	ng	99
37) Benzo(a)pyrene	23.90	252	6132	0.246	ng	# 97
38) Dibenzo(a,h)anthracene	26.74	278	5103	0.218	ng	96
39) Benzo(g,h,i)perylene	27.53	276	5683	0.241	ng	97

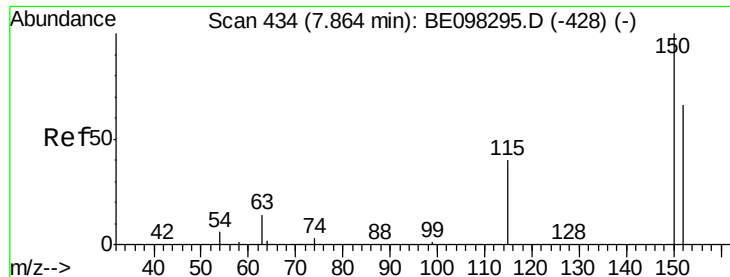
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Mon Dec 10 14:59:55 2018
Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 0.400 ng

RT: 7.88 min Scan# 435

Delta R.T. 0.01 min

Lab File: BE098387.D

Acq: 13 Dec 2018 8:56

Instrument :

BNA_E

ClientSampleId :

PB115545BS

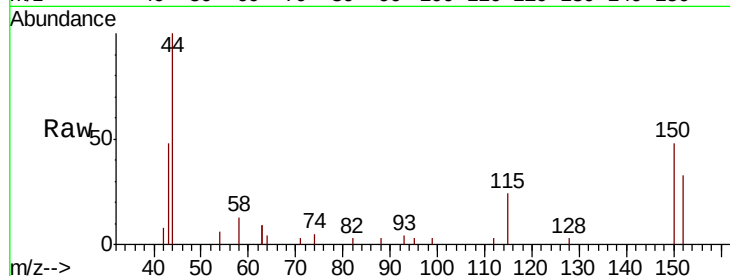
Tot Ion:152 Resp: 1150

Ion Ratio Lower Upper

152 100

150 148.1 124.2 186.4

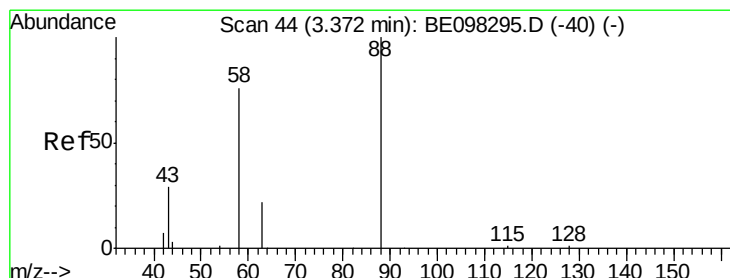
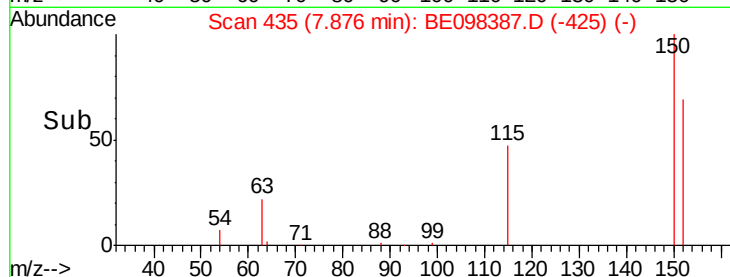
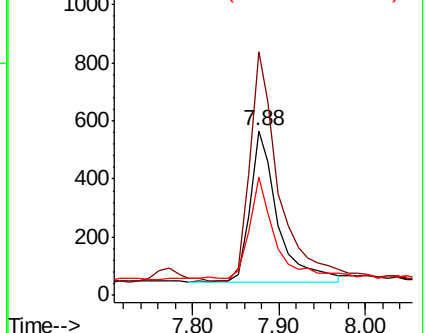
115 72.2 53.9 80.9



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: 0.355 ng

RT: 3.37 min Scan# 44

Delta R.T. 0.00 min

Lab File: BE098387.D

Acq: 13 Dec 2018 8:56

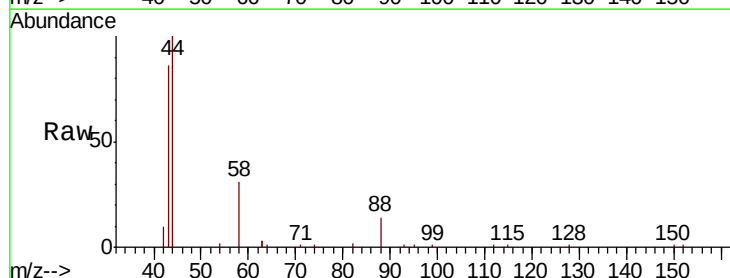
Tgt Ion: 88 Resp: 707

Ion Ratio Lower Upper

88 100

58 138.3 75.0 112.6#

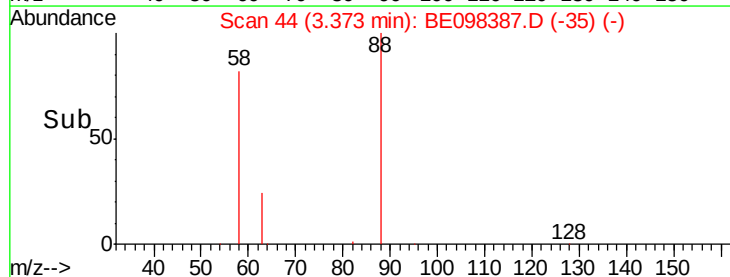
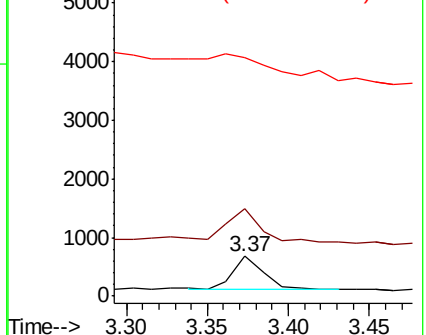
43 0.0 38.3 57.5#

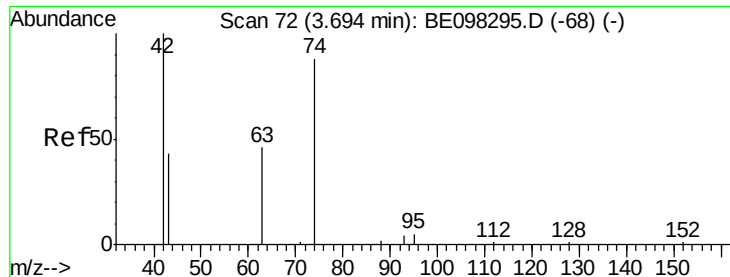


Abundance Ion 88.00 (87.70 to 88.70): BE0

Ion 58.00 (57.70 to 58.70): BE0

Ion 43.00 (42.70 to 43.70): BE0





#3

n-Nitrosodimethylamine

Concen: 0.245 ng

RT: 3.71 min Scan# 73

Delta R.T. 0.01 min

Lab File: BE098387.D

Acq: 13 Dec 2018 8:56

Instrument :

BNA_E

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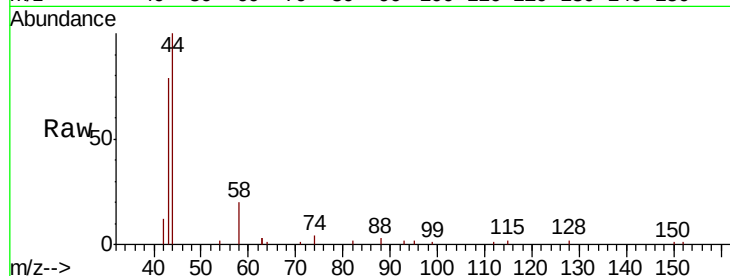
Tot Ion: 42 Resp: 439

Ion Ratio Lower Upper

42 100

74 57.4 0.0 0.0#

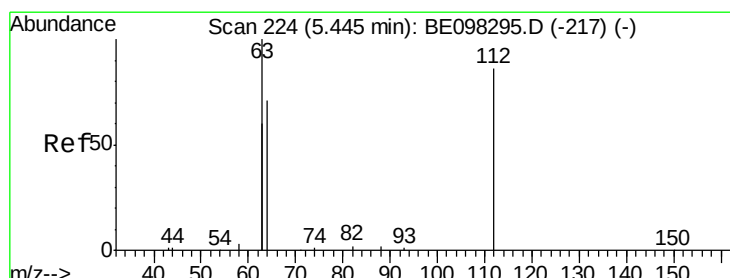
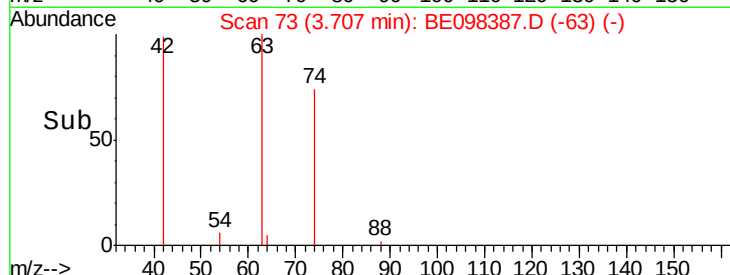
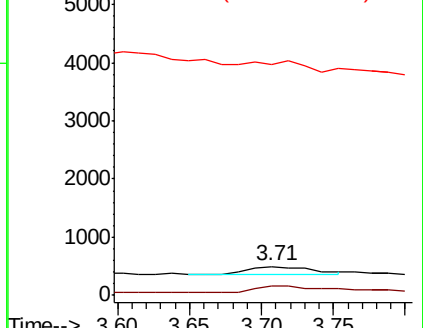
44 0.0 0.0 0.0



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: 0.255 ng

RT: 5.47 min Scan# 226

Delta R.T. 0.02 min

Lab File: BE098387.D

Acq: 13 Dec 2018 8:56

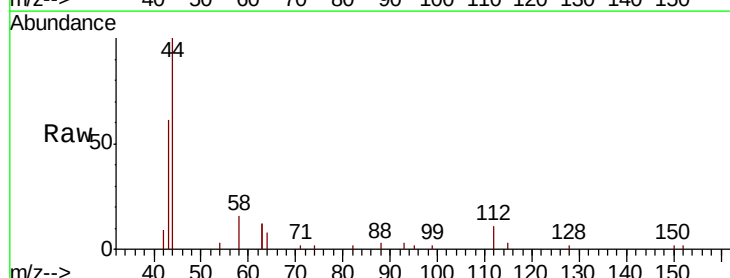
Tgt Ion: 112 Resp: 686

Ion Ratio Lower Upper

112 100

64 75.8 59.8 89.8

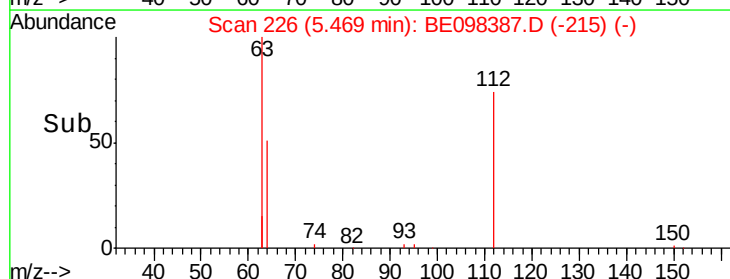
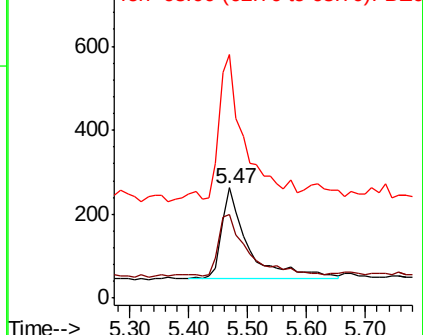
63 148.3 133.7 200.5

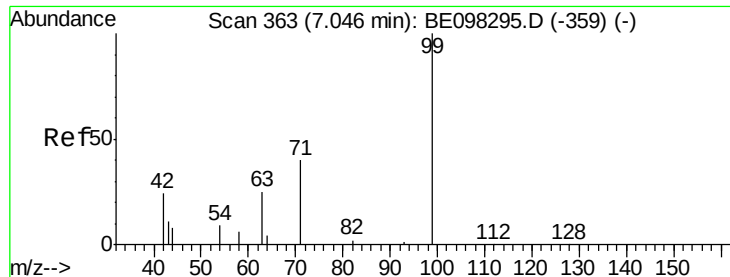


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BE0

Ion 63.00 (62.70 to 63.70): BE0





#5

Phenol-d6

Concen: 0.208 ng

RT: 7.07 min Scan# 365

Delta R.T. 0.02 min

Lab File: BE098387.D

Acq: 13 Dec 2018 8:56

Instrument :

BNA_E

ClientSampleId :

PB115545BS

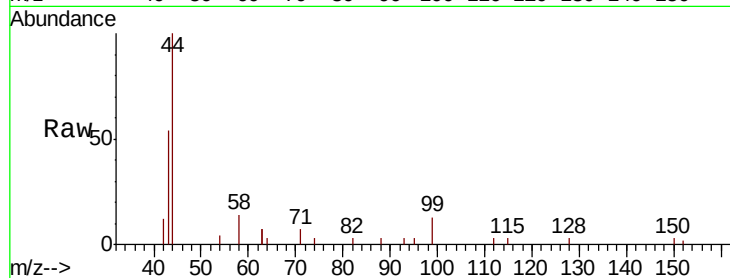
Tot Ion: 99 Resp: 793

Ion Ratio Lower Upper

99 100

42 36.6 26.3 39.5

71 35.1 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

7.07

250

200

150

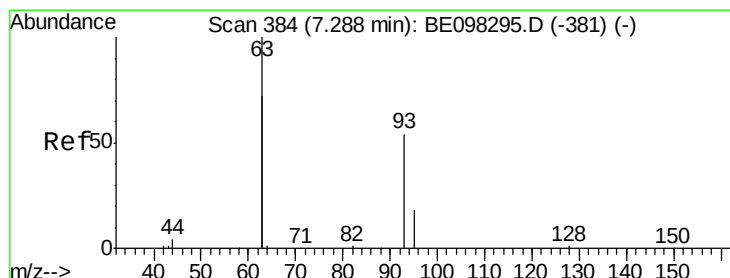
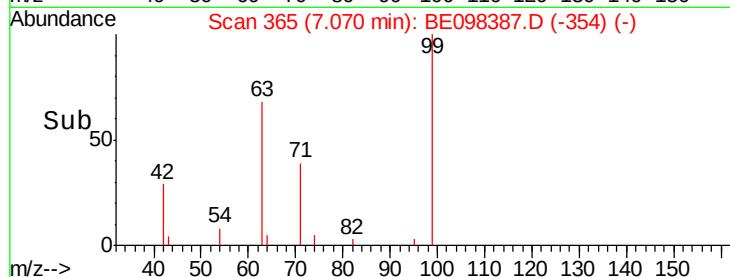
100

50

0

7.00 7.10 7.20 7.30

Time-->



#6

bis(2-Chloroethyl)ether

Concen: 0.173 ng

RT: 7.31 min Scan# 386

Delta R.T. 0.02 min

Lab File: BE098387.D

Acq: 13 Dec 2018 8:56

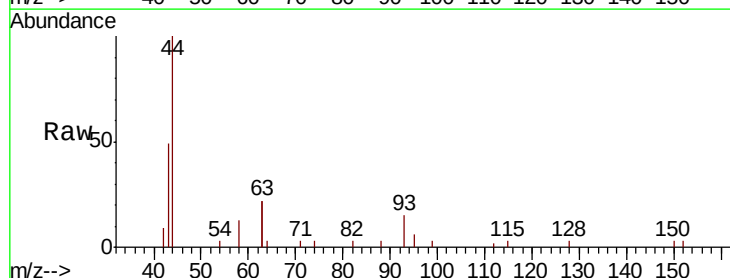
Tgt Ion: 93 Resp: 627

Ion Ratio Lower Upper

93 100

63 321.9 264.4 396.6

95 31.3 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

1200

1000

800

600

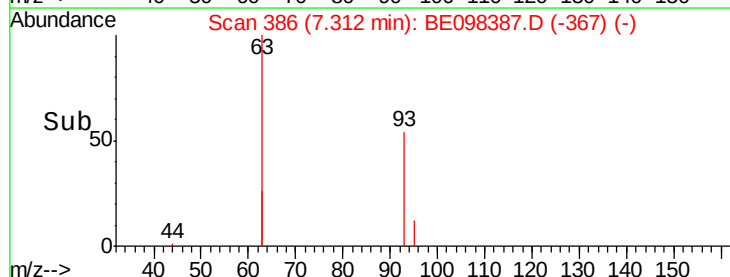
400

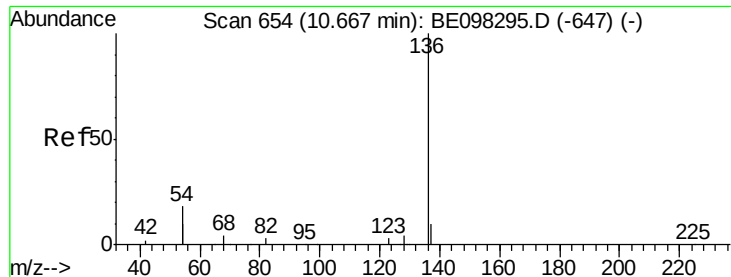
200

0

7.30 7.40

Time-->





#7

Naphthalene-d8

Concen: 0.400 ng

RT: 10.68 min Scan# 655

Delta R.T. 0.01 min

Lab File: BE098387.D

Acq: 13 Dec 2018 8:56

Instrument :

BNA_E

ClientSampleId :

PB115545BS

Tot Ion:136 Resp: 4718

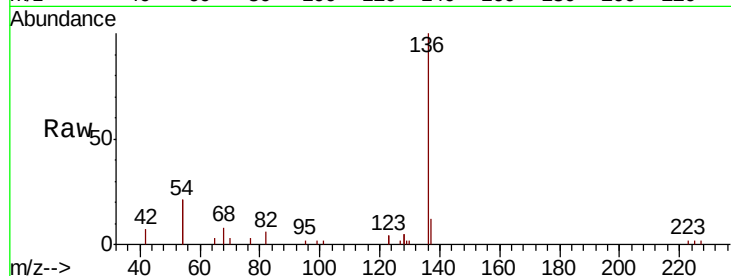
Ion Ratio Lower Upper

136 100

137 11.9 9.2 13.8

54 42.1 28.4 42.6

68 7.7 5.4 8.0

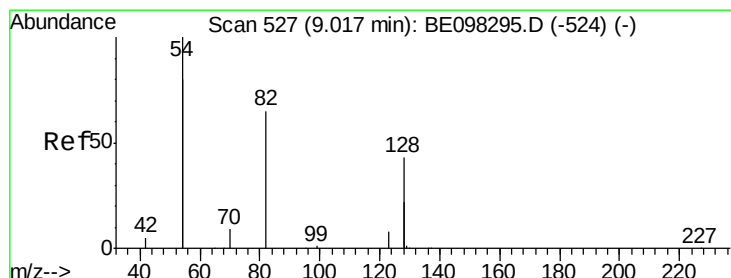
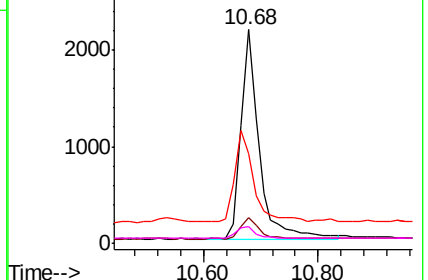
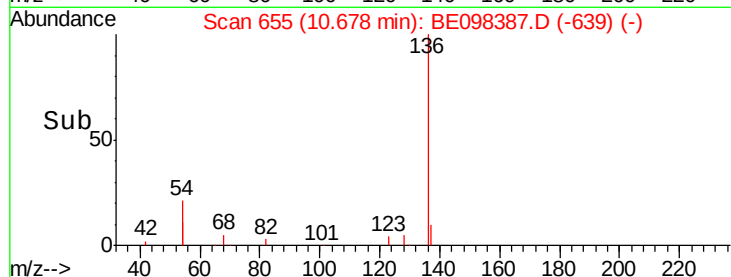


Abundance Ion 136.00 (135.70 to 136.70): E

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: 0.226 ng

RT: 9.05 min Scan# 530

Delta R.T. 0.04 min

Lab File: BE098387.D

Acq: 13 Dec 2018 8:56

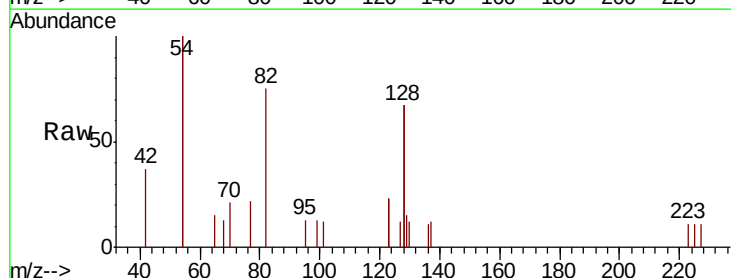
Tgt Ion: 82 Resp: 970

Ion Ratio Lower Upper

82 100

128 179.9 102.4 153.6#

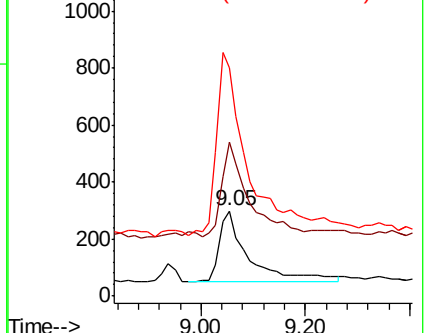
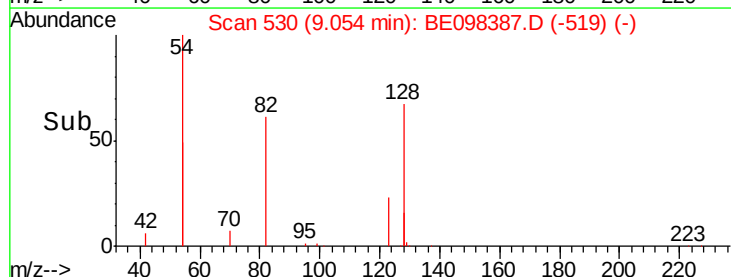
54 268.2 221.8 332.8

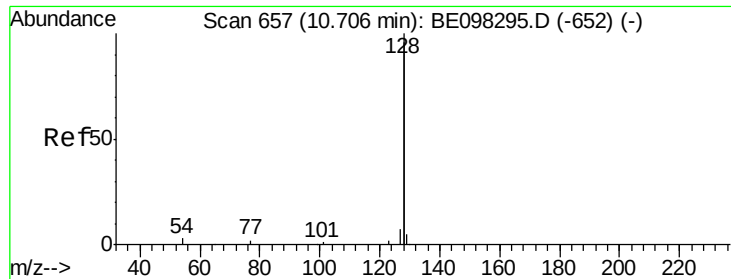


Abundance Ion 82.00 (81.70 to 82.70): BE0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BE0





#9

Naphthalene

Concen: 0.230 ng

RT: 10.73 min Scan# 659

Delta R.T. 0.02 min

Lab File: BE098387.D

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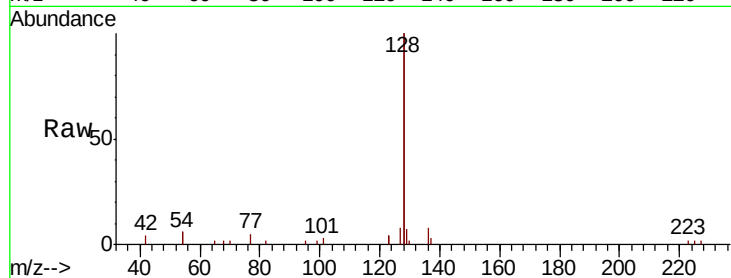
Tot Ion:128 Resp: 10915

Ion Ratio Lower Upper

128 100

129 3.5 2.5 3.7

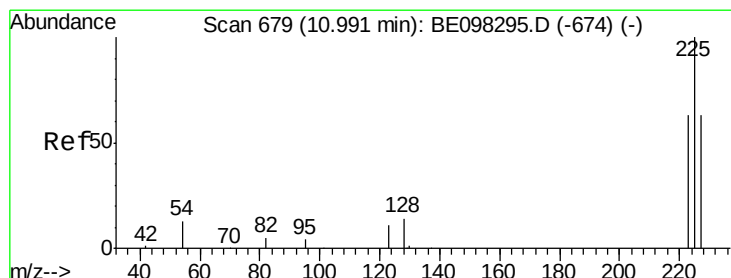
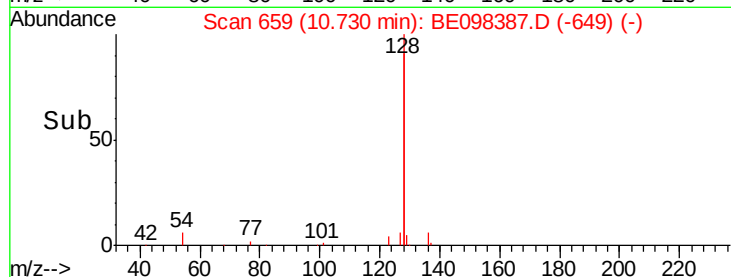
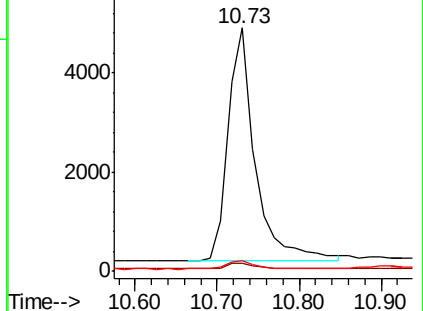
127 4.2 2.7 4.1#



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: 0.221 ng

RT: 11.00 min Scan# 680

Delta R.T. 0.01 min

Lab File: BE098387.D

Acq: 13 Dec 2018 8:56

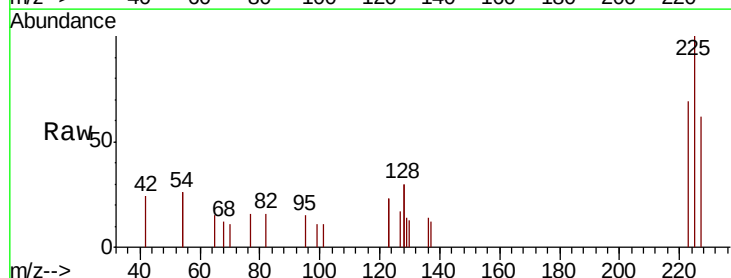
Tgt Ion:225 Resp: 668

Ion Ratio Lower Upper

225 100

223 64.8 49.4 74.0

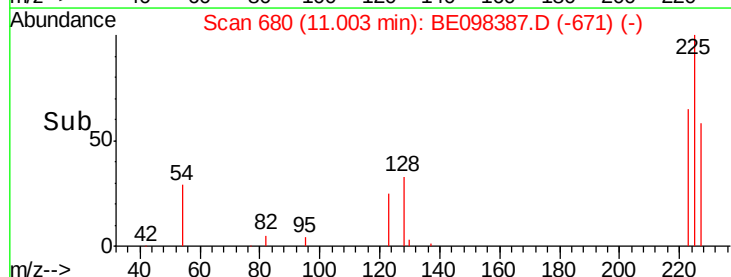
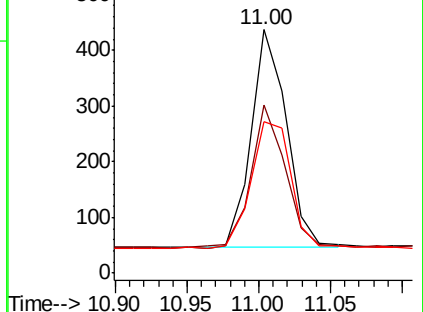
227 65.7 52.0 78.0

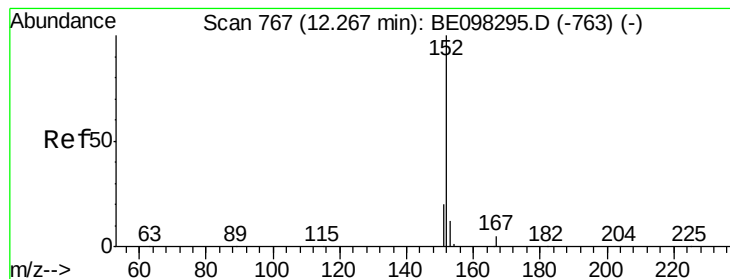


Abundance Ion 225.00 (224.70 to 225.70): E

Ion 223.00 (222.70 to 223.70): E

Ion 227.00 (226.70 to 227.70): E





#11

2-Methylnaphthalene-d10

Concen: 0.246 ng

RT: 12.28 min Scan# 768

Delta R.T. 0.01 min

Lab File: BE098387.D

Acq: 13 Dec 2018 8:56

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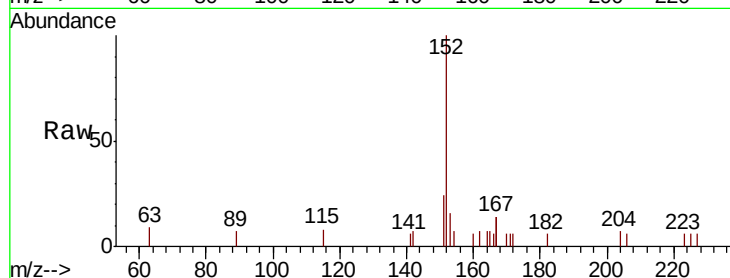
PB115545BS

Tot Ion:152 Resp: 1889

Ion Ratio Lower Upper

152 100

151 16.7 16.2 24.4



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

12.28

800

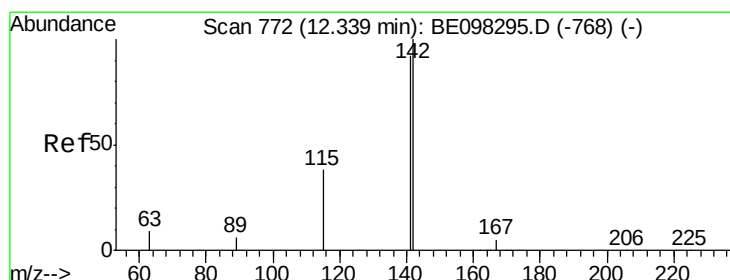
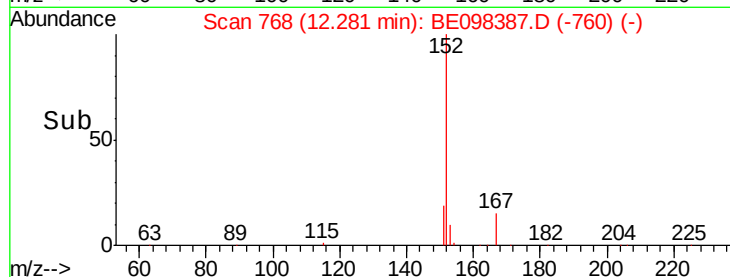
600

400

200

0

Time-->



#12

2-Methylnaphthalene

Concen: 0.217 ng

RT: 12.35 min Scan# 773

Delta R.T. 0.01 min

Lab File: BE098387.D

Acq: 13 Dec 2018 8:56

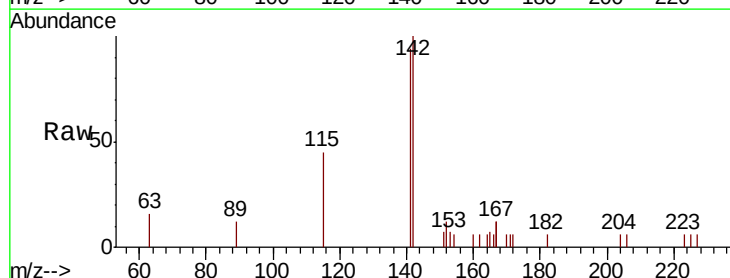
Tgt Ion:142 Resp: 1674

Ion Ratio Lower Upper

142 100

141 94.5 71.0 106.6

115 45.1 32.2 48.2



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 115.00 (114.70 to 115.70): E

12.35

1000

800

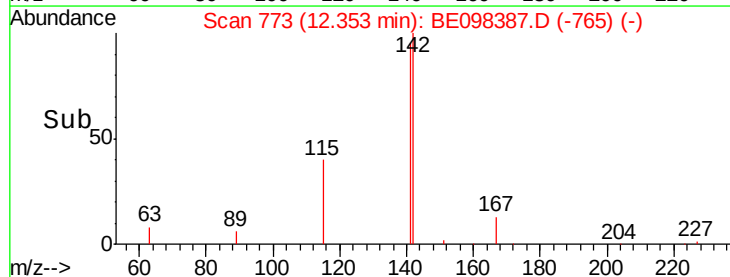
600

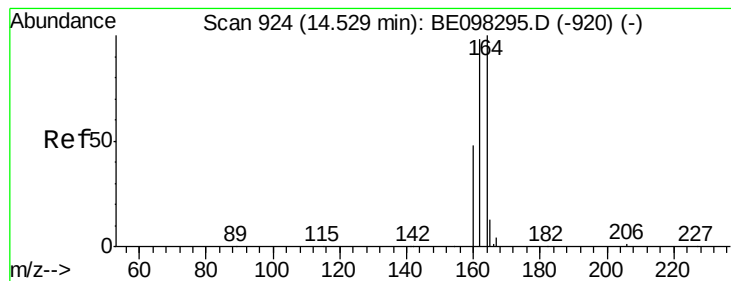
400

200

0

Time-->





#13

Acenaphthene-d10

Concen: 0.400 ng

RT: 14.54 min Scan# 925

Delta R.T. 0.01 min

Lab File: BE098387.D

Acq: 13 Dec 2018 8:56

Instrument :

BNA_E

ClientSampleId :

PB115545BS

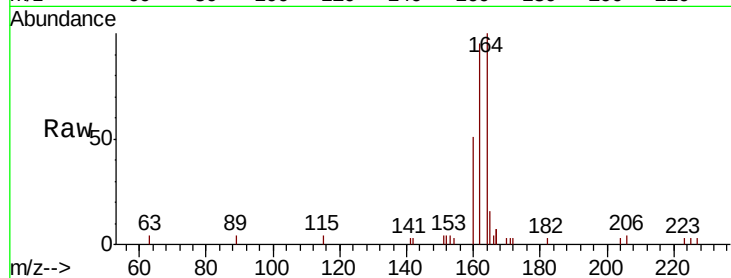
Tot Ion:164 Resp: 2716

Ion Ratio Lower Upper

164 100

162 94.8 77.6 116.4

160 50.7 36.0 54.0

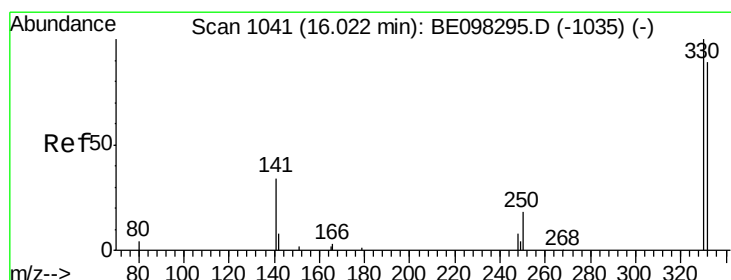
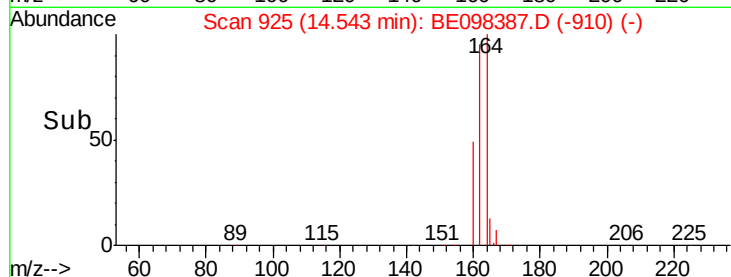
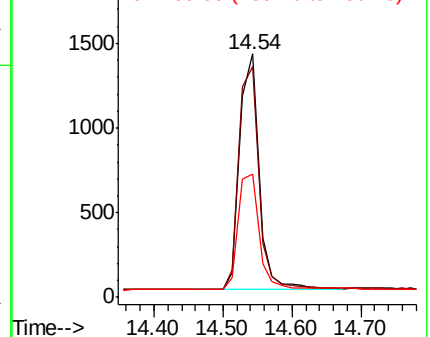


Abundance

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: 0.165 ng

RT: 16.04 min Scan# 1043

Delta R.T. 0.02 min

Lab File: BE098387.D

Acq: 13 Dec 2018 8:56

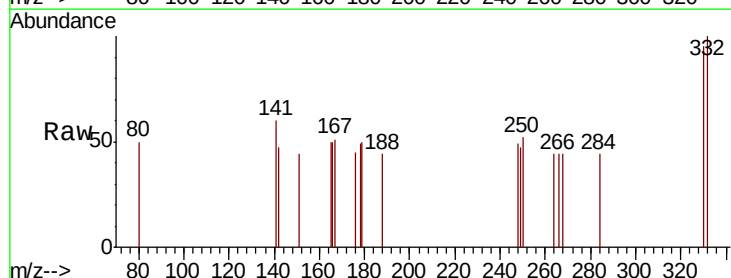
Tgt Ion:330 Resp: 165

Ion Ratio Lower Upper

330 100

332 112.7 76.2 114.4

141 0.0 39.0 58.4#

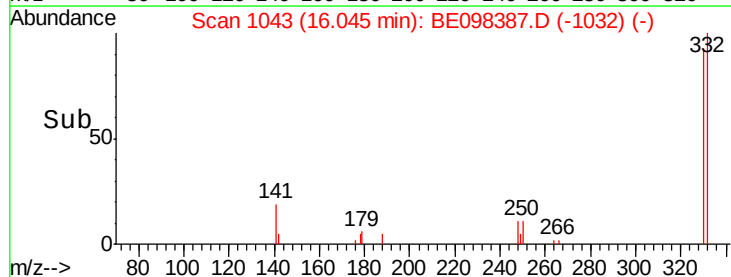
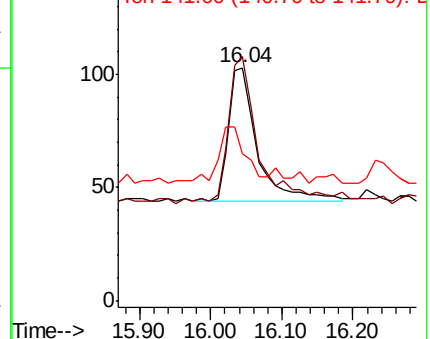


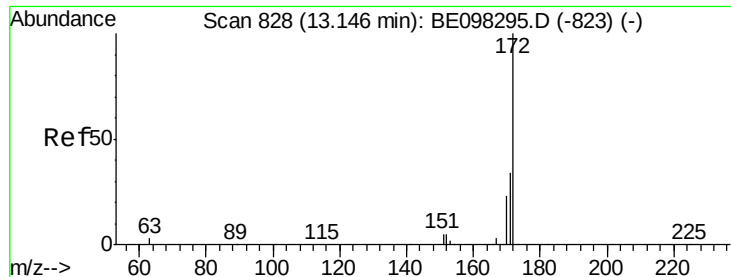
Abundance

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

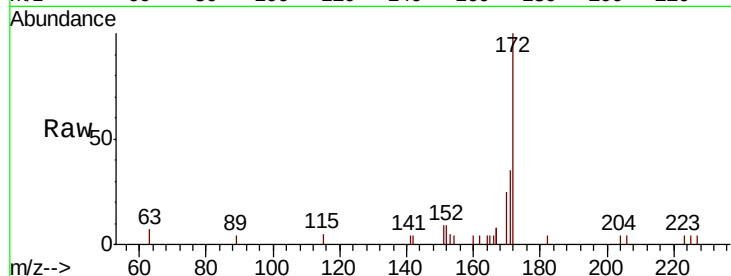




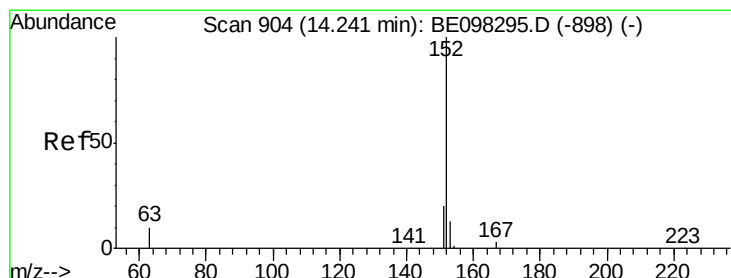
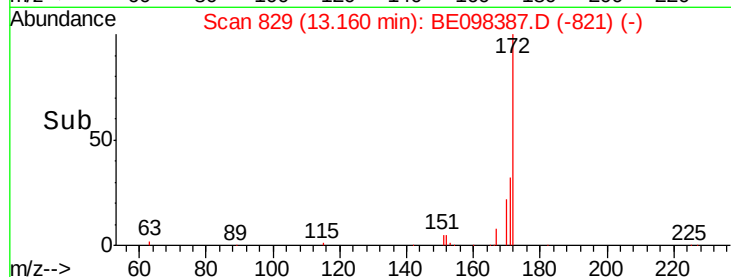
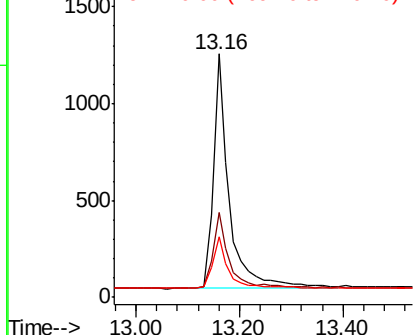
#15
2-Fluorobiphenyl
Concen: 0.232 ng
RT: 13.16 min Scan# 829
Delta R.T. 0.01 min
Lab File: BE098387.D
Acq: 13 Dec 2018 8:56

Instrument :
BNA_E
ClientSampleId :
PB115545BS

Tot Ion:172 Resp: 2654
Ion Ratio Lower Upper
172 100
171 34.6 27.5 41.3
170 24.9 19.6 29.4

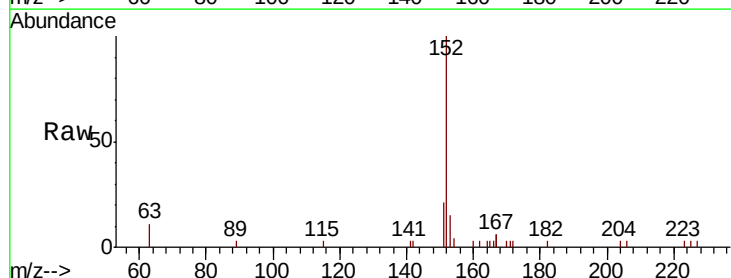


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

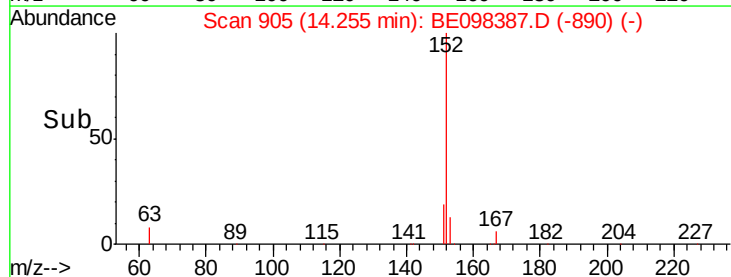
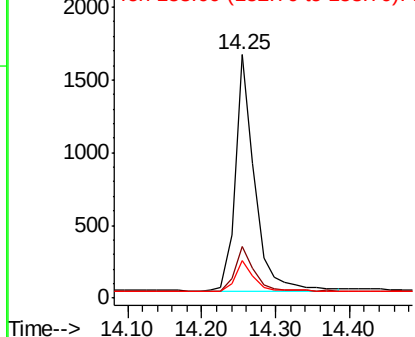


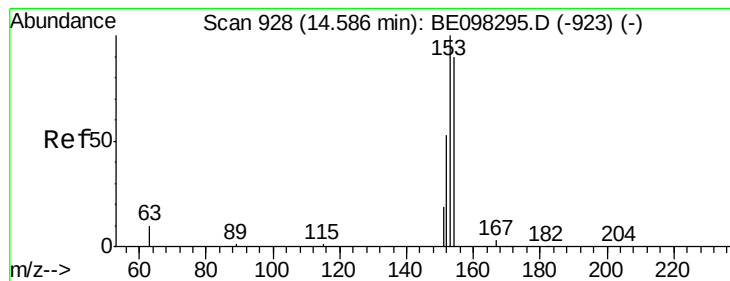
#16
Acenaphthylene
Concen: 0.232 ng
RT: 14.25 min Scan# 905
Delta R.T. 0.01 min
Lab File: BE098387.D
Acq: 13 Dec 2018 8:56

Tgt Ion:152 Resp: 2950
Ion Ratio Lower Upper
152 100
151 19.0 15.5 23.3
153 13.3 10.6 16.0



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: 0.218 ng

RT: 14.60 min Scan# 929

Delta R.T. 0.01 min

Lab File: BE098387.D

Acq: 13 Dec 2018 8:56

Instrument :

BNA_E

ClientSampleId :

PB115545BS

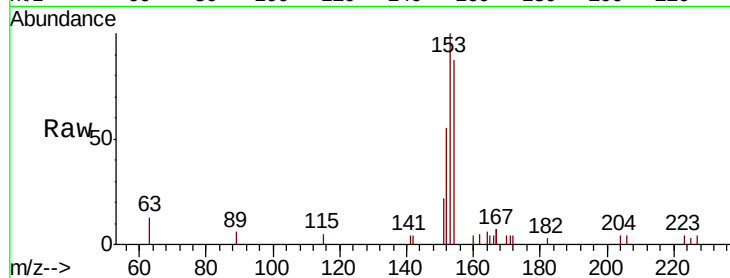
Tot Ion:154 Resp: 1669

Ion Ratio Lower Upper

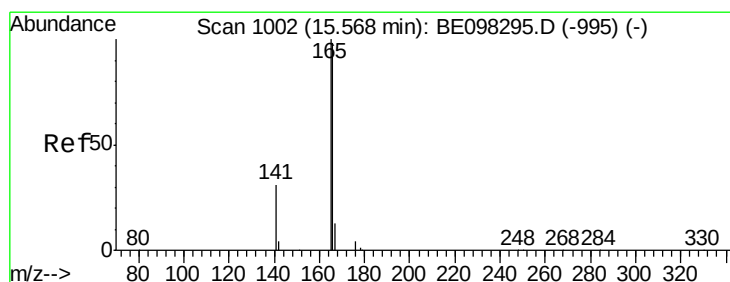
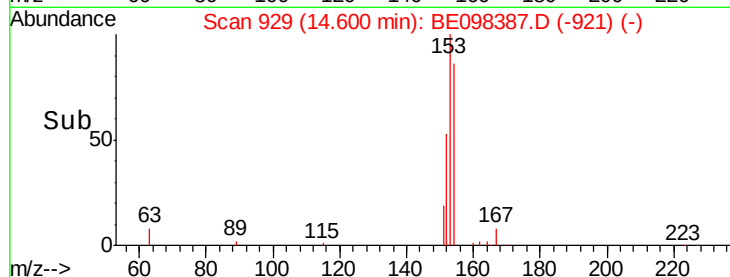
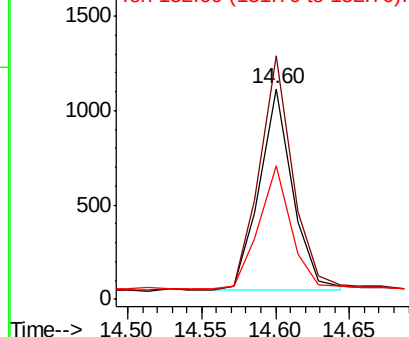
154 100

153 115.7 91.8 137.6

152 60.0 45.5 68.3



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: 0.219 ng

RT: 15.58 min Scan# 1003

Delta R.T. 0.01 min

Lab File: BE098387.D

Acq: 13 Dec 2018 8:56

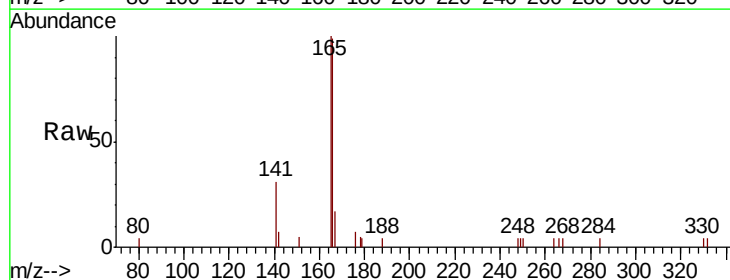
Tgt Ion:166 Resp: 2244

Ion Ratio Lower Upper

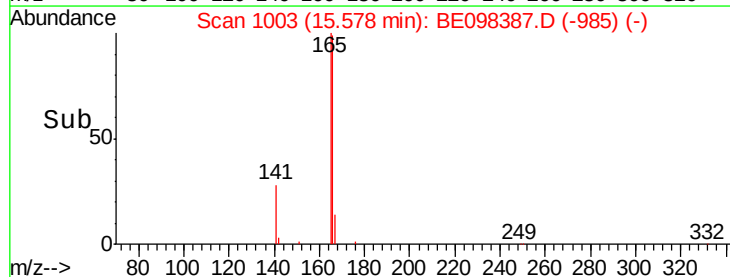
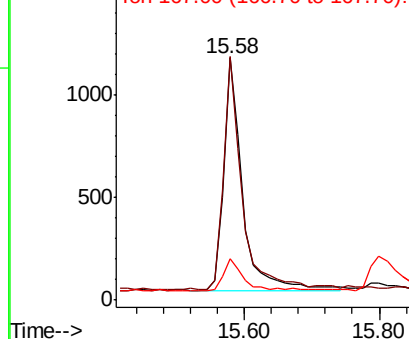
166 100

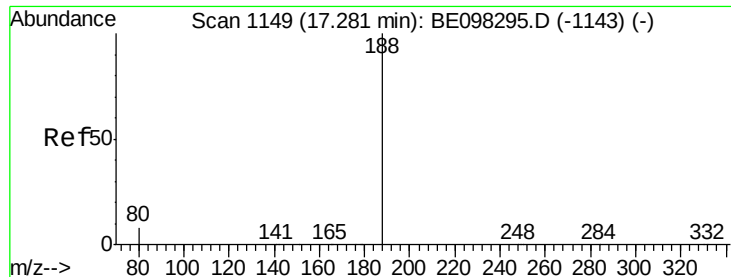
165 98.7 79.3 118.9

167 14.7 11.3 16.9



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: BE098387.D

Acq: 13 Dec 2018 8:56

Instrument :

BNA_E

ClientSampleId :

PB115545BS

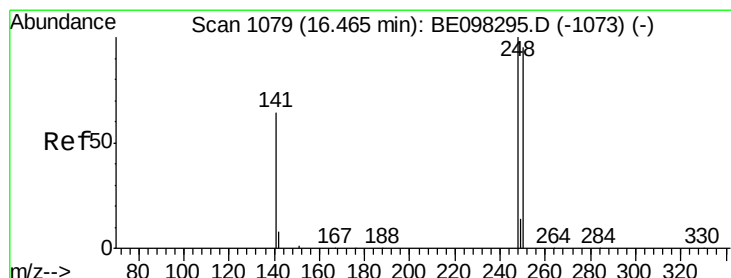
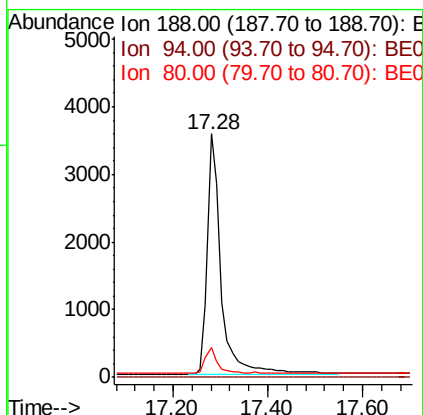
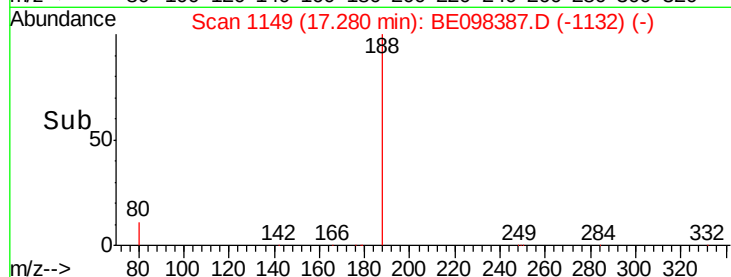
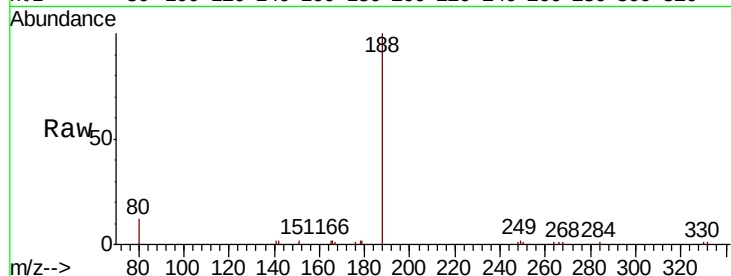
Tot Ion:188 Resp: 7304

Ion Ratio Lower Upper

188 100

94 0.0 0.0 0.0

80 12.2 7.2 10.8#



#20

4-Bromophenyl-phenylether

Concen: 0.186 ng

RT: 16.48 min Scan# 1080

Delta R.T. 0.01 min

Lab File: BE098387.D

Acq: 13 Dec 2018 8:56

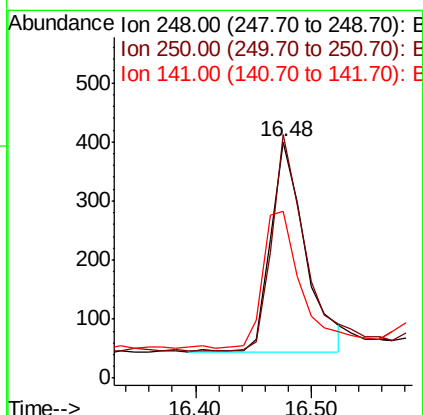
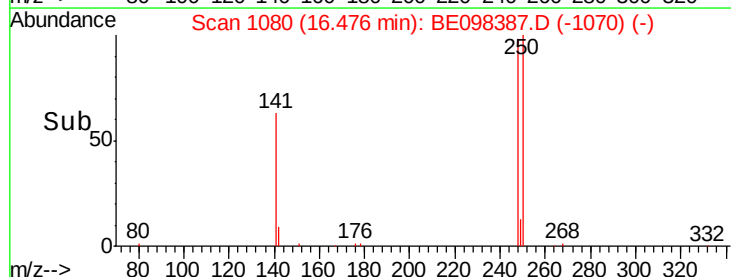
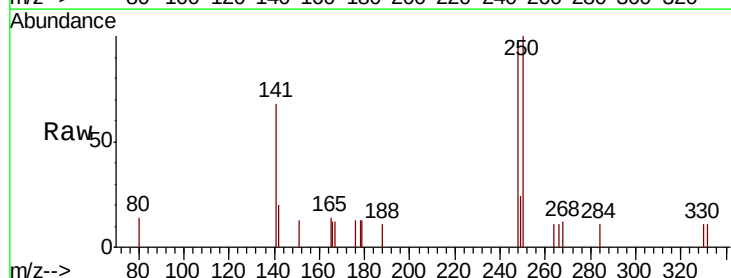
Tgt Ion:248 Resp: 732

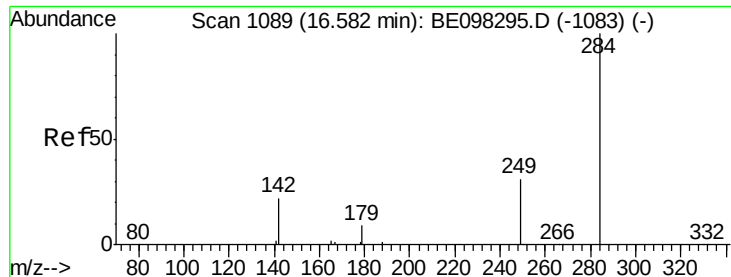
Ion Ratio Lower Upper

248 100

250 103.0 71.0 106.6

141 70.5 62.1 93.1





#21

Hexachlorobenzene

Concen: 0.210 ng

RT: 16.59 min Scan# 1090

Delta R.T. 0.01 min

Lab File: BE098387.D

Acq: 13 Dec 2018 8:56

Instrument :

BNA_E

ClientSampleId :

PB115545BS

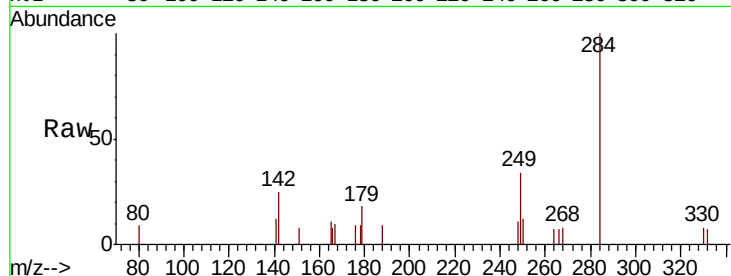
Tot Ion:284 Resp: 887

Ion Ratio Lower Upper

284 100

142 34.6 26.3 39.5

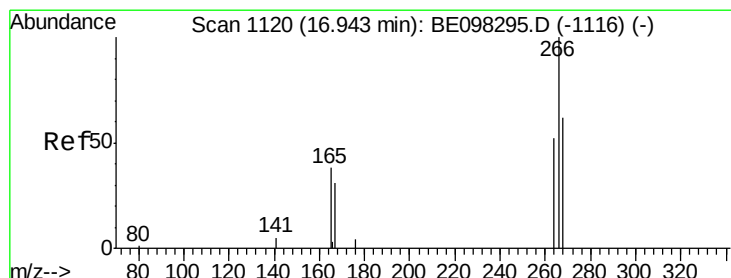
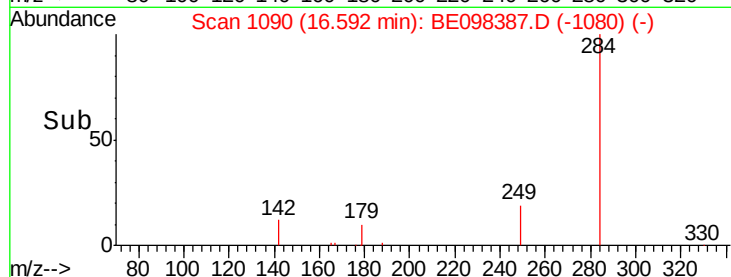
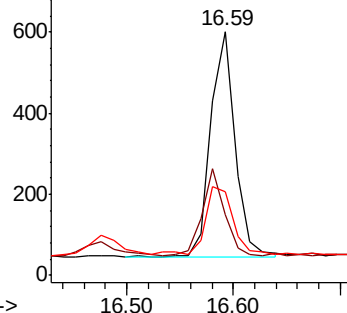
249 31.8 26.0 39.0



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: 0.192 ng

RT: 16.97 min Scan# 1122

Delta R.T. 0.02 min

Lab File: BE098387.D

Acq: 13 Dec 2018 8:56

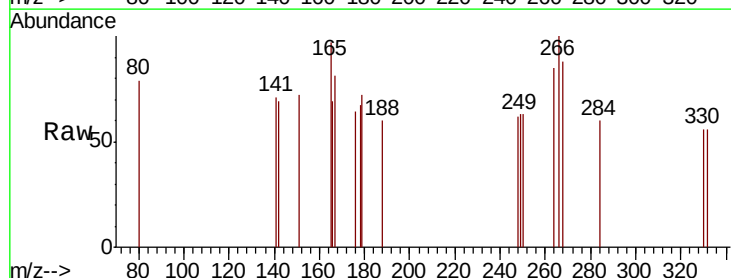
Tgt Ion:266 Resp: 117

Ion Ratio Lower Upper

266 100

264 84.6 59.0 88.4

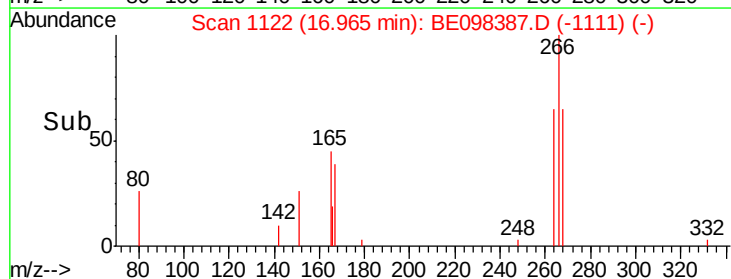
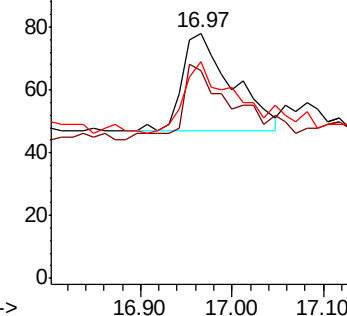
268 88.5 55.1 82.7#

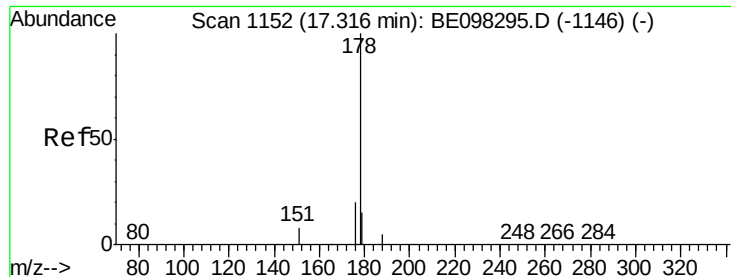


Abundance Ion 266.00 (265.70 to 266.70): E

Ion 264.00 (263.70 to 264.70): E

Ion 268.00 (267.70 to 268.70): E





#23

Phenanthrene

Concen: 0.231 ng

RT: 17.33 min Scan# 1153

Delta R.T. 0.01 min

Lab File: BE098387.D

Acq: 13 Dec 2018 8:56

Instrument :

BNA_E

ClientSampleId :

PB115545BS

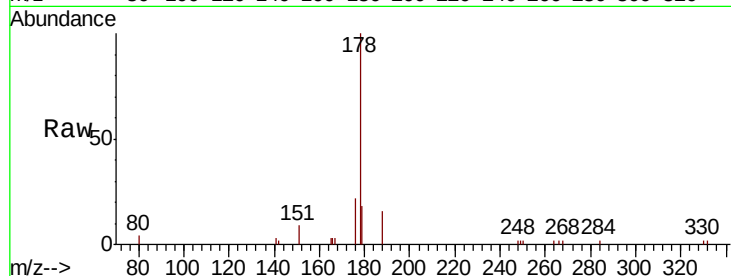
Tot Ion:178 Resp: 4108

Ion Ratio Lower Upper

178 100

176 19.7 15.9 23.9

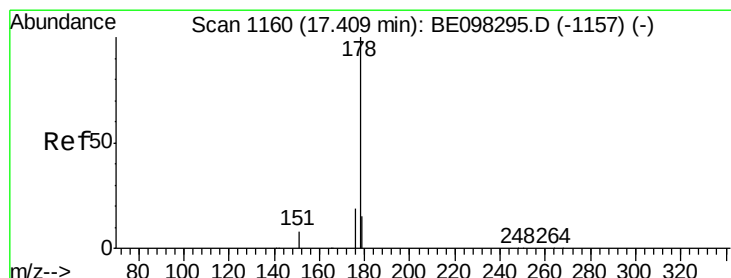
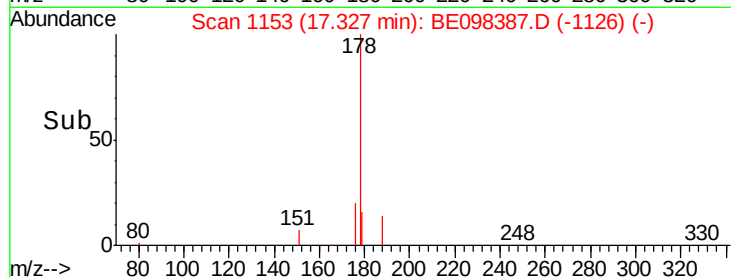
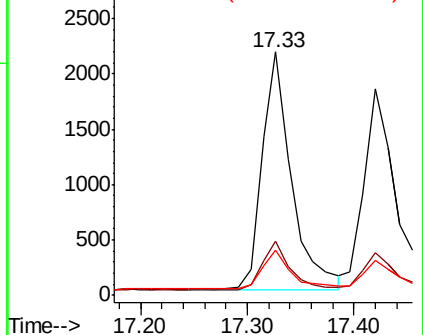
179 16.1 12.3 18.5



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: 0.206 ng

RT: 17.42 min Scan# 1161

Delta R.T. 0.01 min

Lab File: BE098387.D

Acq: 13 Dec 2018 8:56

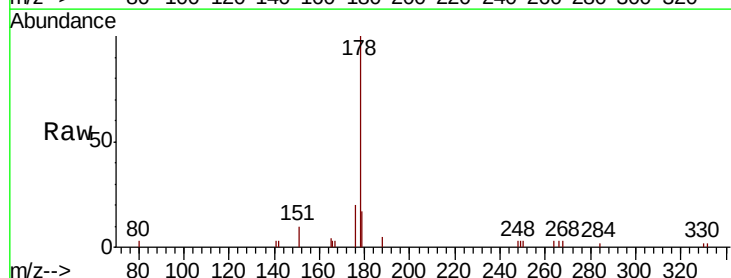
Tgt Ion:178 Resp: 3266

Ion Ratio Lower Upper

178 100

176 18.9 15.0 22.4

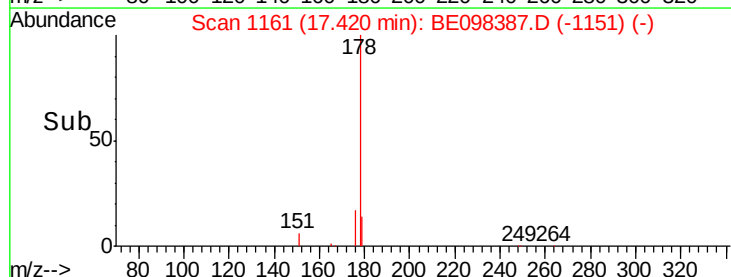
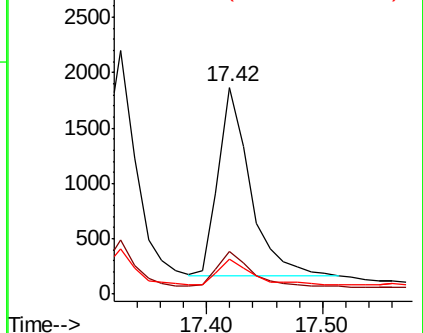
179 14.8 12.3 18.5

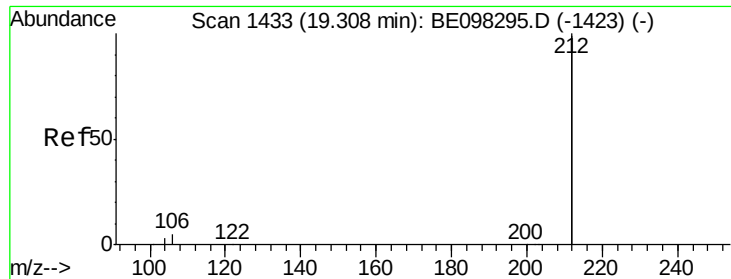


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E

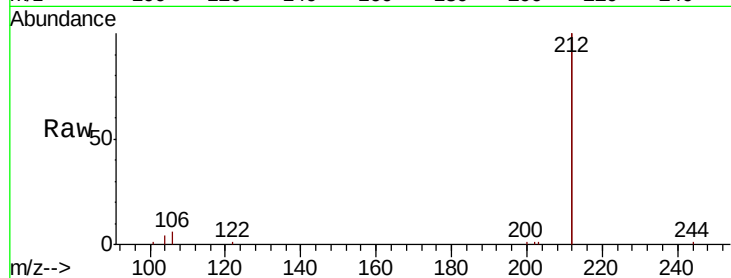




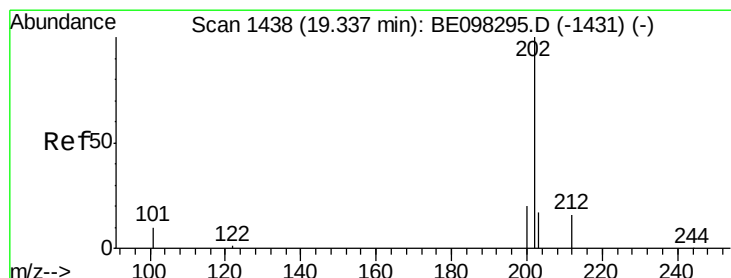
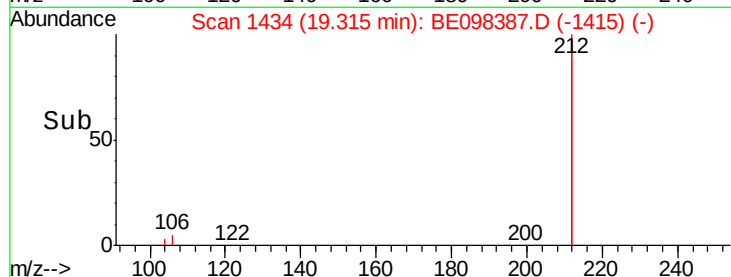
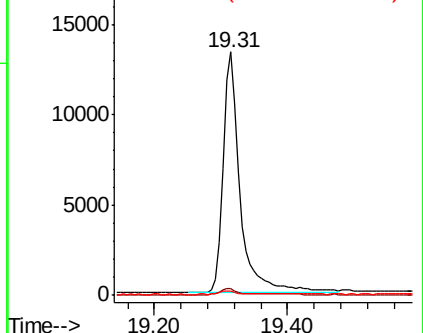
#25
 Fluoranthene-d10
 Concen: 0.248 ng
 RT: 19.31 min Scan# 1434
 Delta R.T. 0.01 min
 Lab File: BE098387.D
 Acq: 13 Dec 2018 8:56

Instrument :
 BNA_E
 ClientSampleId :
 PB115545BS

Tot Ion:212 Resp: 23242
 Ion Ratio Lower Upper
 212 100
 106 2.5 2.2 3.2
 104 1.6 1.3 1.9

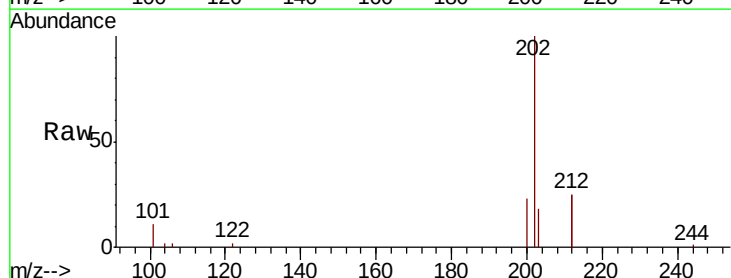


Abundance Ion 212.00 (211.70 to 212.70): E
 Ion 106.00 (105.70 to 106.70): E
 Ion 104.00 (103.70 to 104.70): E

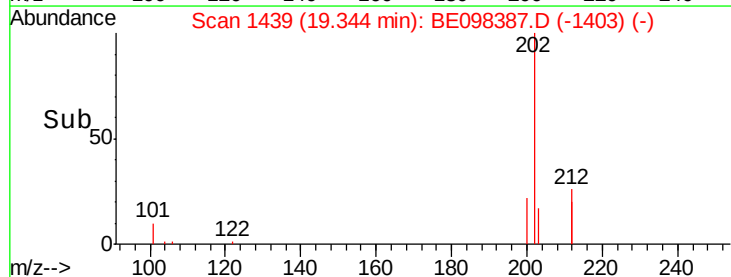
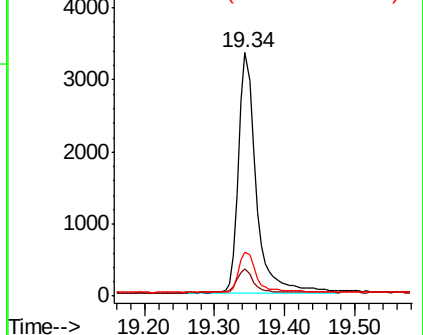


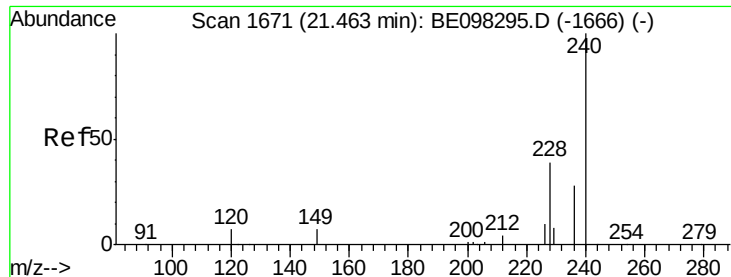
#26
 Fluoranthene
 Concen: 0.248 ng
 RT: 19.34 min Scan# 1439
 Delta R.T. 0.01 min
 Lab File: BE098387.D
 Acq: 13 Dec 2018 8:56

Tgt Ion:202 Resp: 5821
 Ion Ratio Lower Upper
 202 100
 101 9.7 8.0 12.0
 203 16.8 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

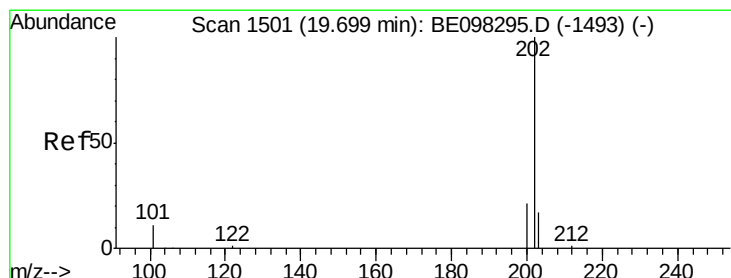
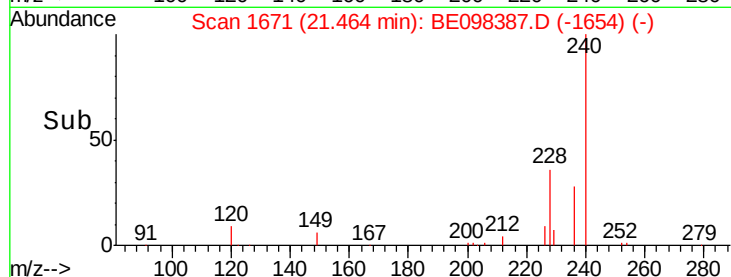
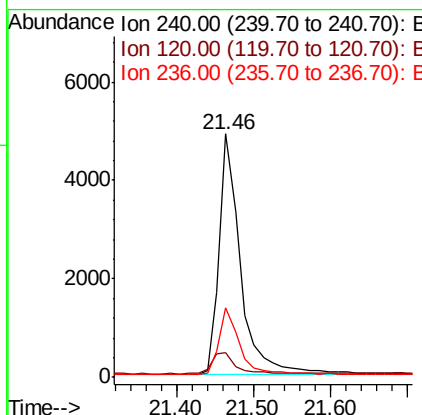
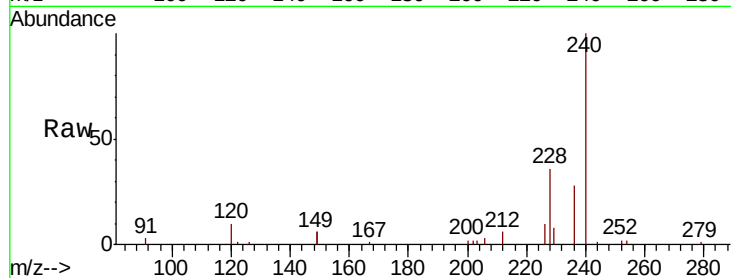




#27
 Chrysene-d12
 Concen: 0.400 ng
 RT: 21.46 min Scan# 1671
 Delta R.T. 0.00 min
 Lab File: BE098387.D
 Acq: 13 Dec 2018 8:56

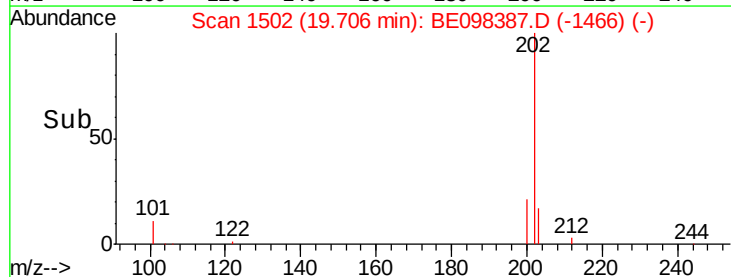
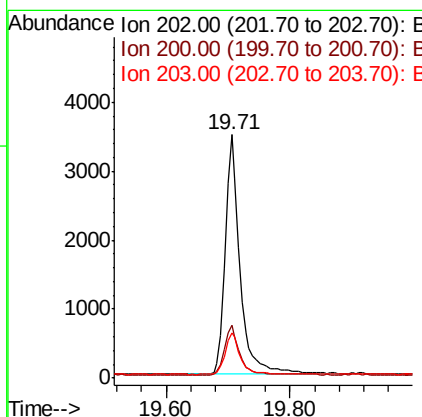
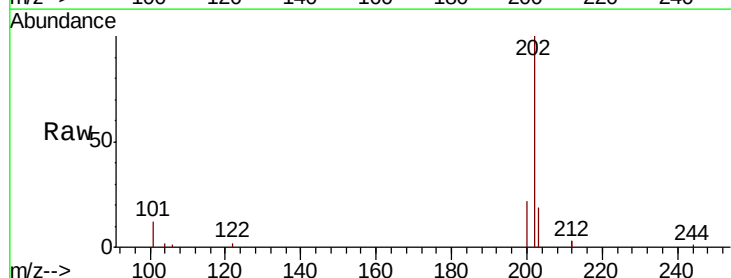
Instrument :
 BNA_E
 ClientSampleId :
 PB115545BS

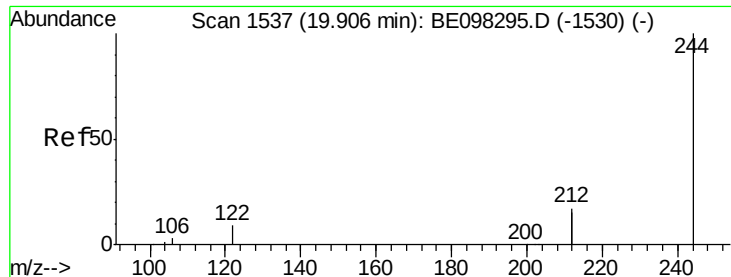
Tot Ion:240 Resp: 9470
 Ion Ratio Lower Upper
 240 100
 120 10.1 9.5 14.3
 236 28.5 22.7 34.1



#28
 Pyrene
 Concen: 0.197 ng
 RT: 19.71 min Scan# 1502
 Delta R.T. 0.01 min
 Lab File: BE098387.D
 Acq: 13 Dec 2018 8:56

Tgt Ion:202 Resp: 5847
 Ion Ratio Lower Upper
 202 100
 200 20.0 16.7 25.1
 203 17.9 14.1 21.1





#29

Terphenyl-d14

Concen: 0.187 ng

RT: 19.91 min Scan# 1538

Delta R.T. 0.01 min

Lab File: BE098387.D

Acq: 13 Dec 2018 8:56

Instrument :

BNA_E

ClientSampleId :

PB115545BS

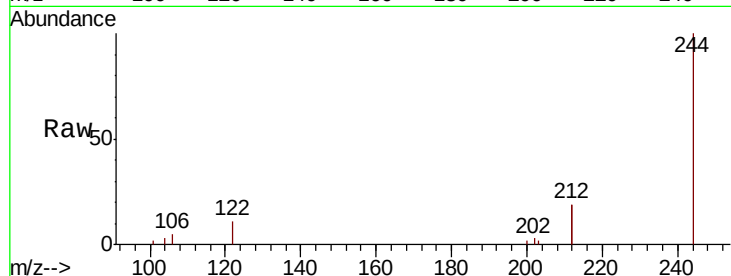
Tot Ion:244 Resp: 4294

Ion Ratio Lower Upper

244 100

212 37.9 27.4 41.0

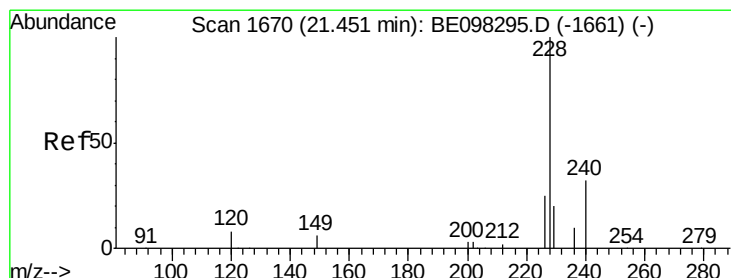
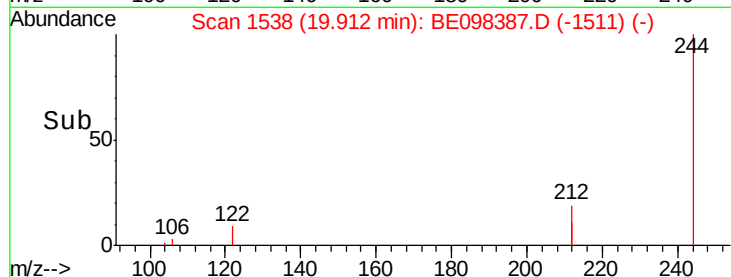
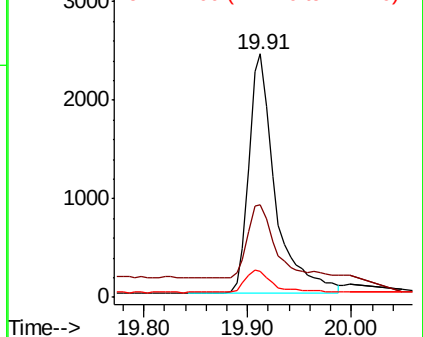
122 10.6 8.3 12.5



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: 0.217 ng

RT: 21.45 min Scan# 1670

Delta R.T. 0.00 min

Lab File: BE098387.D

Acq: 13 Dec 2018 8:56

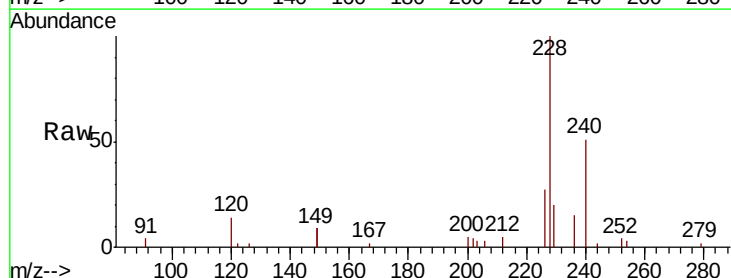
Tgt Ion:228 Resp: 5852

Ion Ratio Lower Upper

228 100

226 27.4 21.8 32.8

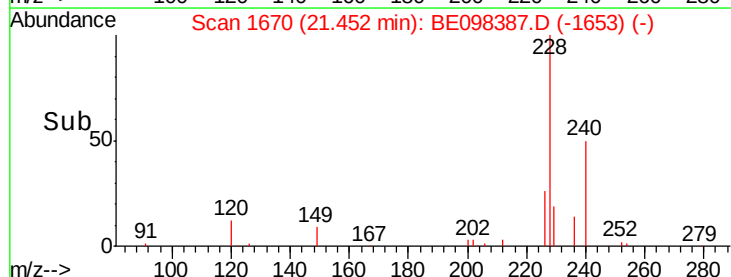
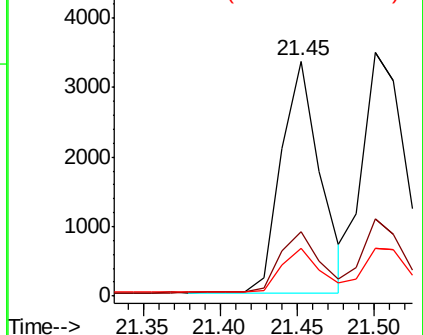
229 20.4 16.3 24.5

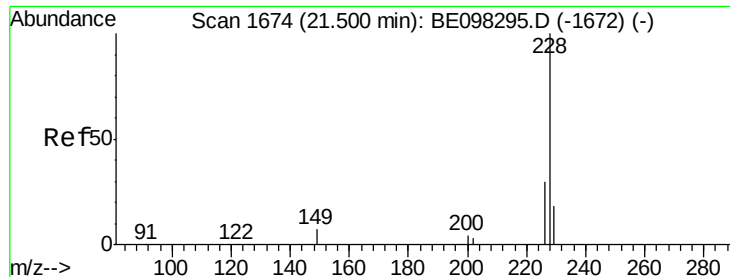


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#31

Chrysene

Concen: 0.238 ng

RT: 21.50 min Scan# 1674

Delta R.T. 0.00 min

Lab File: BE098387.D

Acq: 13 Dec 2018 8:56

Instrument :

BNA_E

ClientSampleId :

PB115545BS

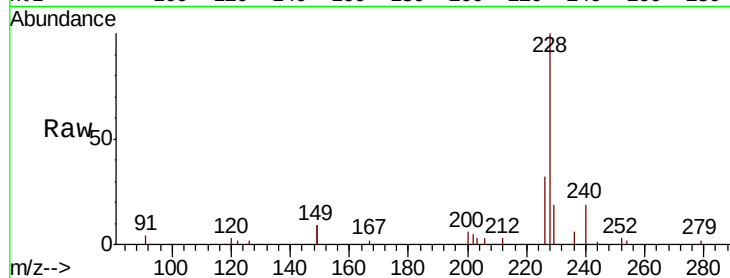
Tot Ion:228 Resp: 6714

Ion Ratio Lower Upper

228 100

226 31.7 23.4 35.0

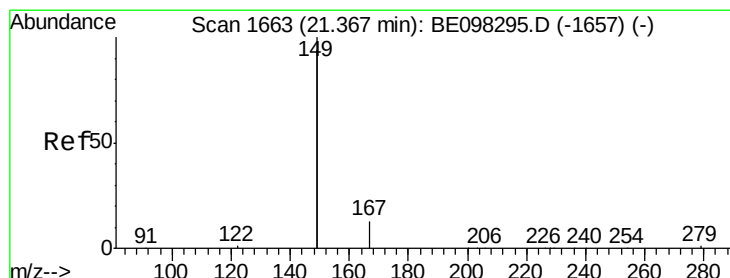
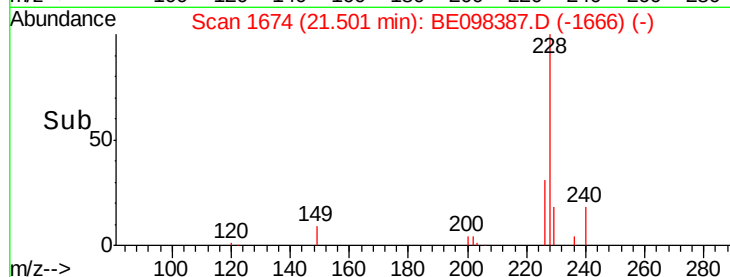
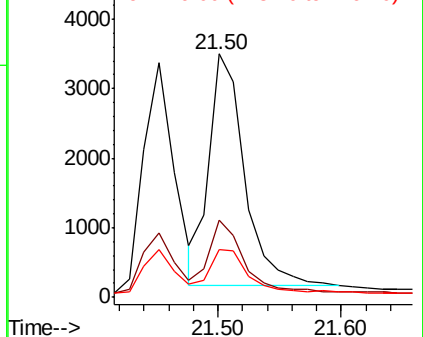
229 19.4 16.2 24.4



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: 0.184 ng

RT: 21.37 min Scan# 1663

Delta R.T. 0.00 min

Lab File: BE098387.D

Acq: 13 Dec 2018 8:56

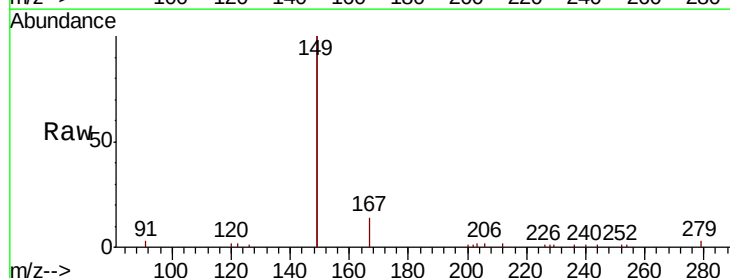
Tgt Ion:149 Resp: 10096

Ion Ratio Lower Upper

149 100

167 6.9 5.7 8.5

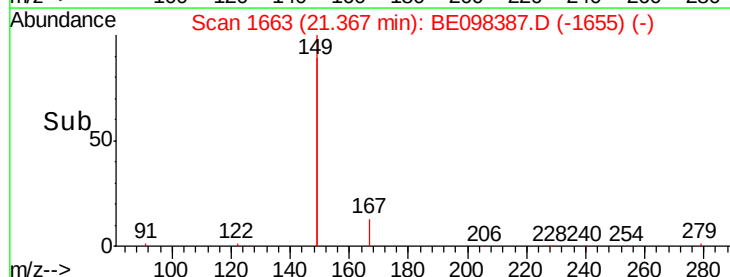
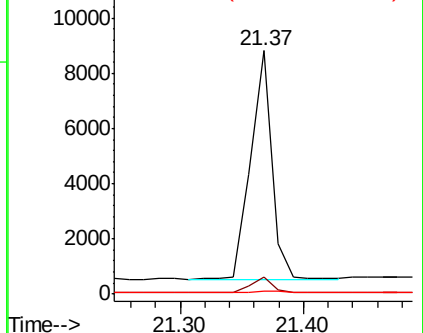
279 1.2 1.0 1.4

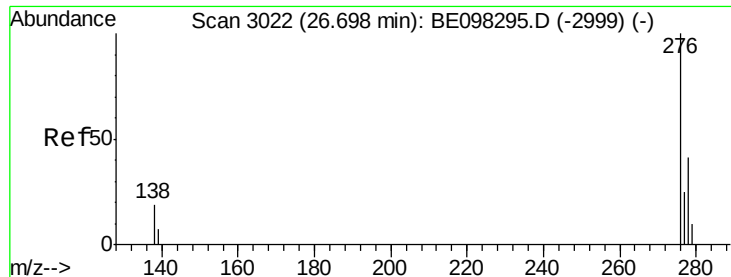


Abundance Ion 149.00 (148.70 to 149.70): E

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: 0.231 ng

RT: 26.72 min Scan# 3027

Delta R.T. 0.02 min

Lab File: BE098387.D

Acq: 13 Dec 2018 8:56

Instrument :

BNA_E

ClientSampleId :

PB115545BS

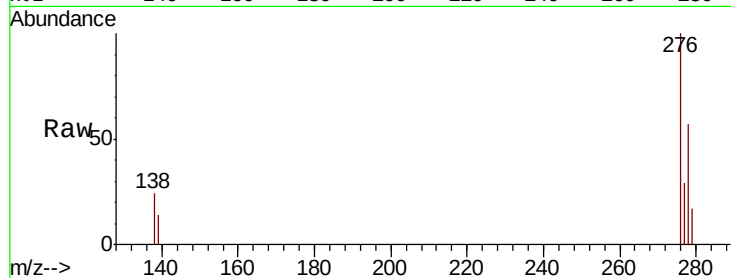
Tot Ion:276 Resp: 6496

Ion Ratio Lower Upper

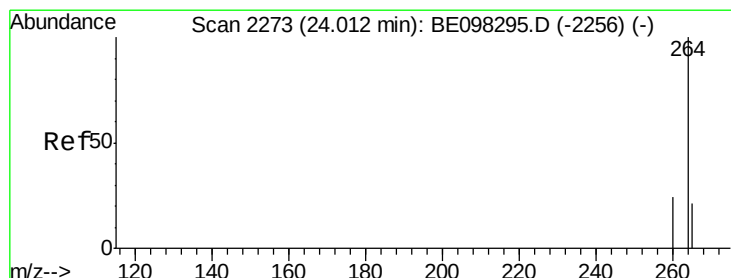
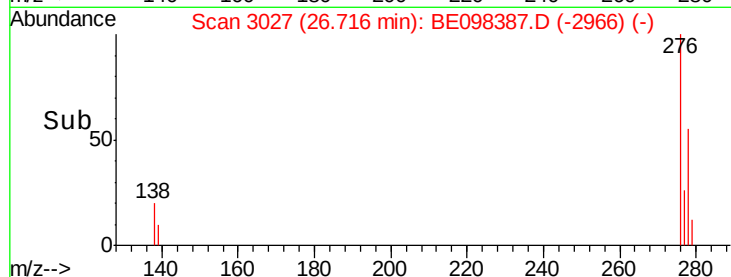
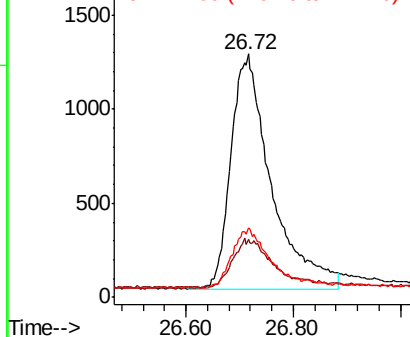
276 100

138 7.1 16.3 24.5#

277 23.3 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: 24.01 min Scan# 2273

Delta R.T. -0.00 min

Lab File: BE098387.D

Acq: 13 Dec 2018 8:56

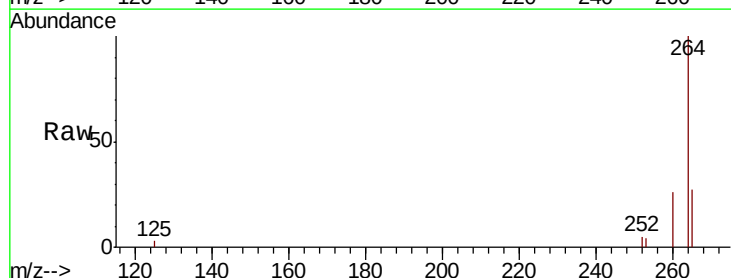
Tgt Ion:264 Resp: 8818

Ion Ratio Lower Upper

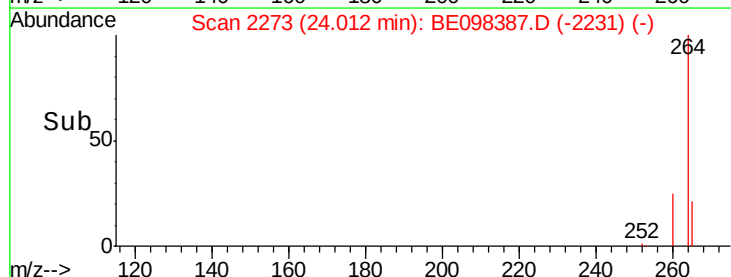
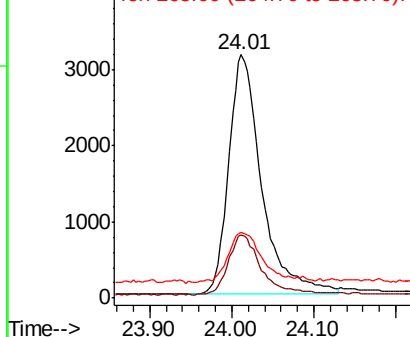
264 100

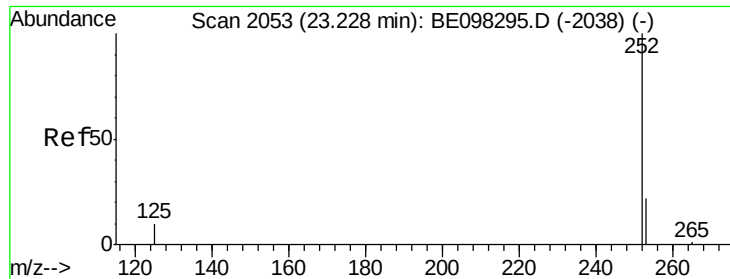
260 25.9 20.2 30.2

265 26.9 25.2 37.8



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: 0.232 ng

RT: 23.23 min Scan# 2054

Delta R.T. 0.00 min

Lab File: BE098387.D

Acq: 13 Dec 2018 8:56

Instrument :

BNA_E

ClientSampleId :

PB115545BS

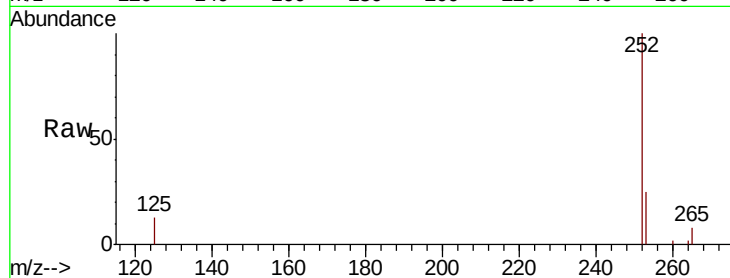
Tot Ion:252 Resp: 5594

Ion Ratio Lower Upper

252 100

253 25.3 20.0 30.0

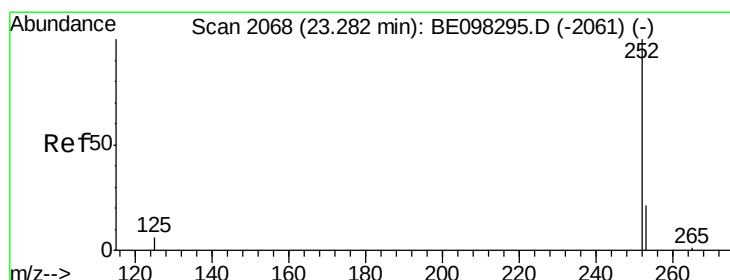
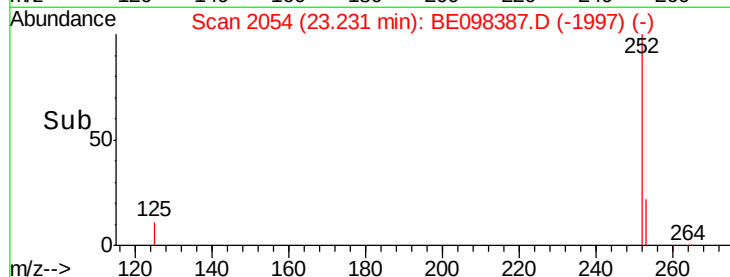
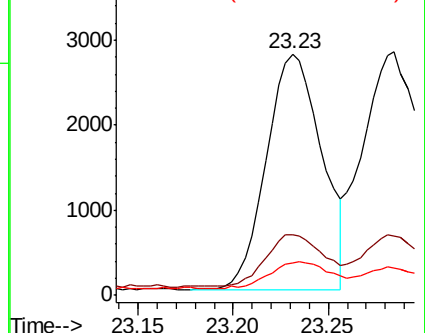
125 13.4 9.6 14.4



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: 0.241 ng

RT: 23.28 min Scan# 2069

Delta R.T. 0.00 min

Lab File: BE098387.D

Acq: 13 Dec 2018 8:56

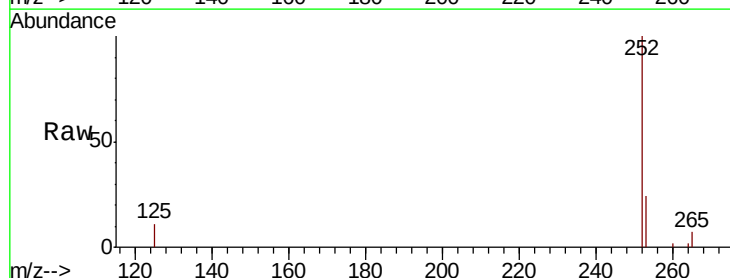
Tgt Ion:252 Resp: 6773

Ion Ratio Lower Upper

252 100

253 24.4 19.0 28.6

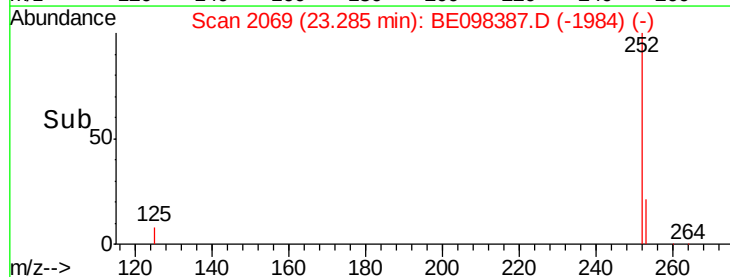
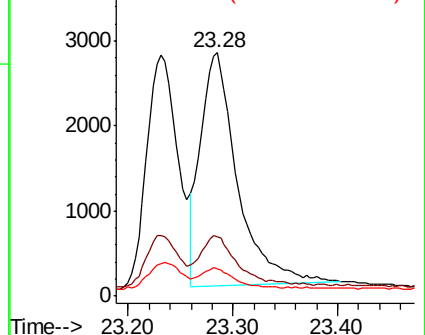
125 11.0 9.1 13.7

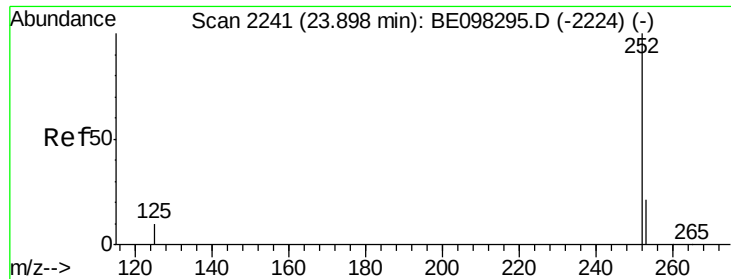


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#37

Benzo(a)pyrene

Concen: 0.246 ng

RT: 23.90 min Scan# 2242

Delta R.T. 0.00 min

Lab File: BE098387.D

Acq: 13 Dec 2018 8:56

Instrument :

BNA_E

ClientSampleId :

PB115545BS

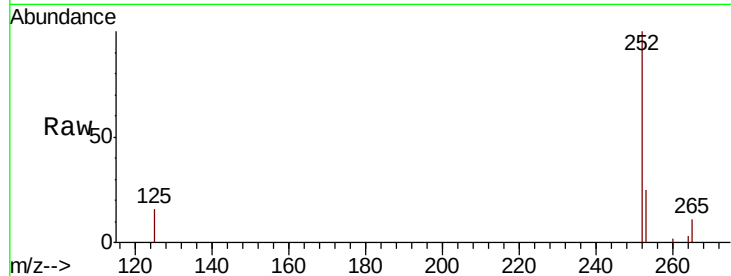
Tot Ion:252 Resp: 6132

Ion Ratio Lower Upper

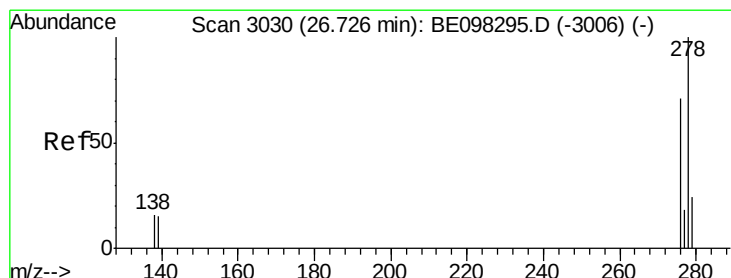
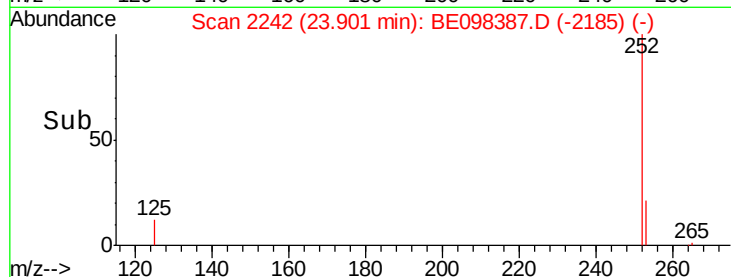
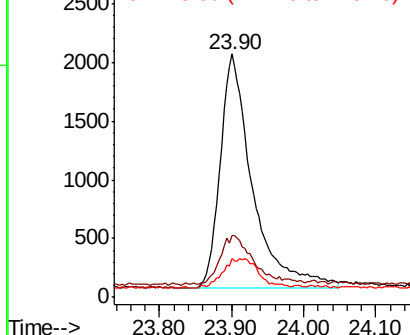
252 100

253 25.3 20.6 30.8

125 15.8 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



#38

Dibenzo(a,h)anthracene

Concen: 0.218 ng

RT: 26.74 min Scan# 3033

Delta R.T. 0.01 min

Lab File: BE098387.D

Acq: 13 Dec 2018 8:56

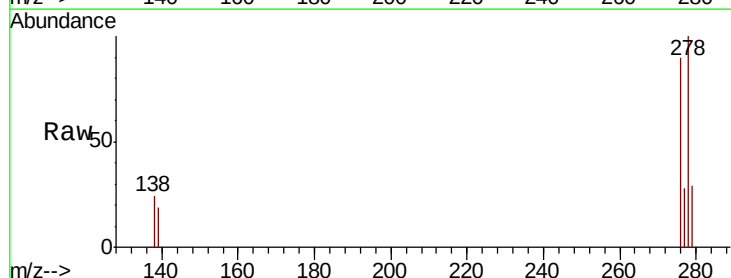
Tgt Ion:278 Resp: 5103

Ion Ratio Lower Upper

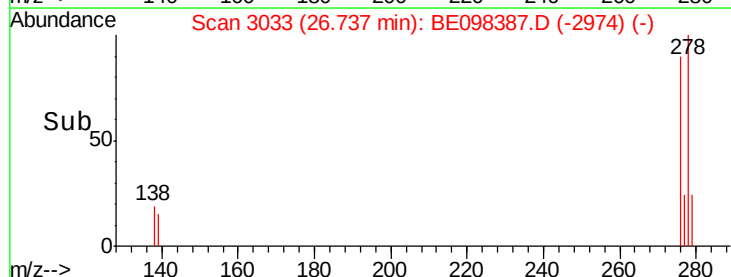
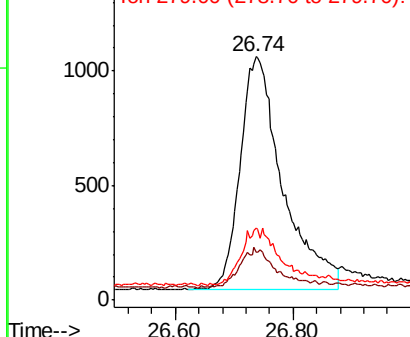
278 100

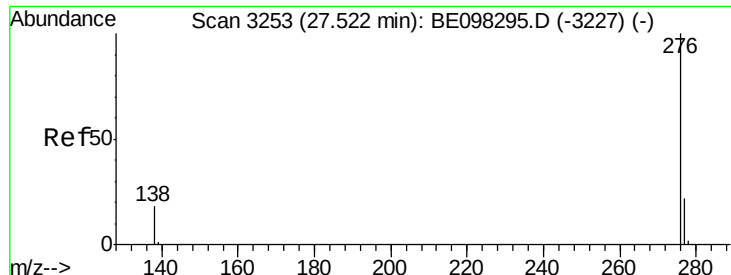
139 19.4 14.5 21.7

279 29.4 21.8 32.8



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(a,h,i)perylene

Concen: 0.241 ng

RT: 27.53 min Scan# 3255

Delta R.T. 0.01 min

Lab File: BE098387.D

Acq: 13 Dec 2018 8:56

Instrument :

BNA_E

ClientSampleId :

PB115545BS

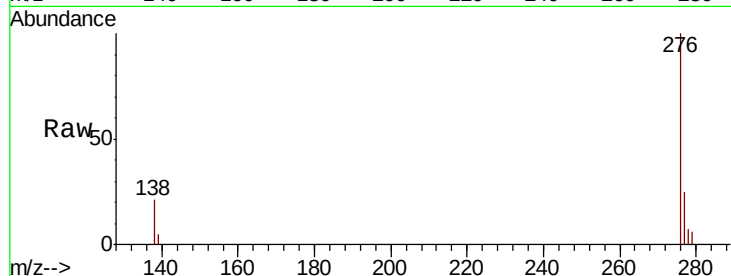
Tot Ion: 276 Resp: 5683

Ion Ratio Lower Upper

276 100

277 25.0 20.8 31.2

138 21.4 15.8 23.6



Abundance Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

