

Data Path : Z:\SVOASRV\HPCHEM1\BNA_E\DATA\BE110718\
 Data File : BE098166.D
 Acq On : 7 Nov 2018 10:21
 Operator : SJ/JU
 Sample : PB114542BS
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 PB114542BS

Quant Time: Nov 07 16:25:53 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_E\METHODS\8270-SIM-BE110118.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Nov 01 13:00:52 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.88	152	1016	0.40	ng	0.00
7) Naphthalene-d8	10.67	136	4765	0.40	ng	0.00
13) Acenaphthene-d10	14.54	164	3257	0.40	ng	0.00
19) Phenanthrene-d10	17.28	188	7636	0.40	ng	0.00
27) Chrysene-d12	21.46	240	8743	0.40	ng	0.00
34) Perylene-d12	24.02	264	8290	0.40	ng	0.00

System Monitoring Compounds						
4) 2-Fluorophenol	5.46	112	1185	0.39	ng	0.00
5) Phenol-d6	7.05	99	1918	0.39	ng	0.00
8) Nitrobenzene-d5	9.03	82	1959	0.38	ng	0.00
11) 2-Methylnaphthalene-d10	12.27	152	3490	0.42	ng	0.00
14) 2,4,6-Tribromophenol	16.03	330	538	0.35	ng	0.00
15) 2-Fluorobiphenyl	13.16	172	5432	0.41	ng	0.00
25) Fluoranthene-d10	19.31	212	38874	0.39	ng	0.00
29) Terphenyl-d14	19.91	244	8376	0.41	ng	0.00

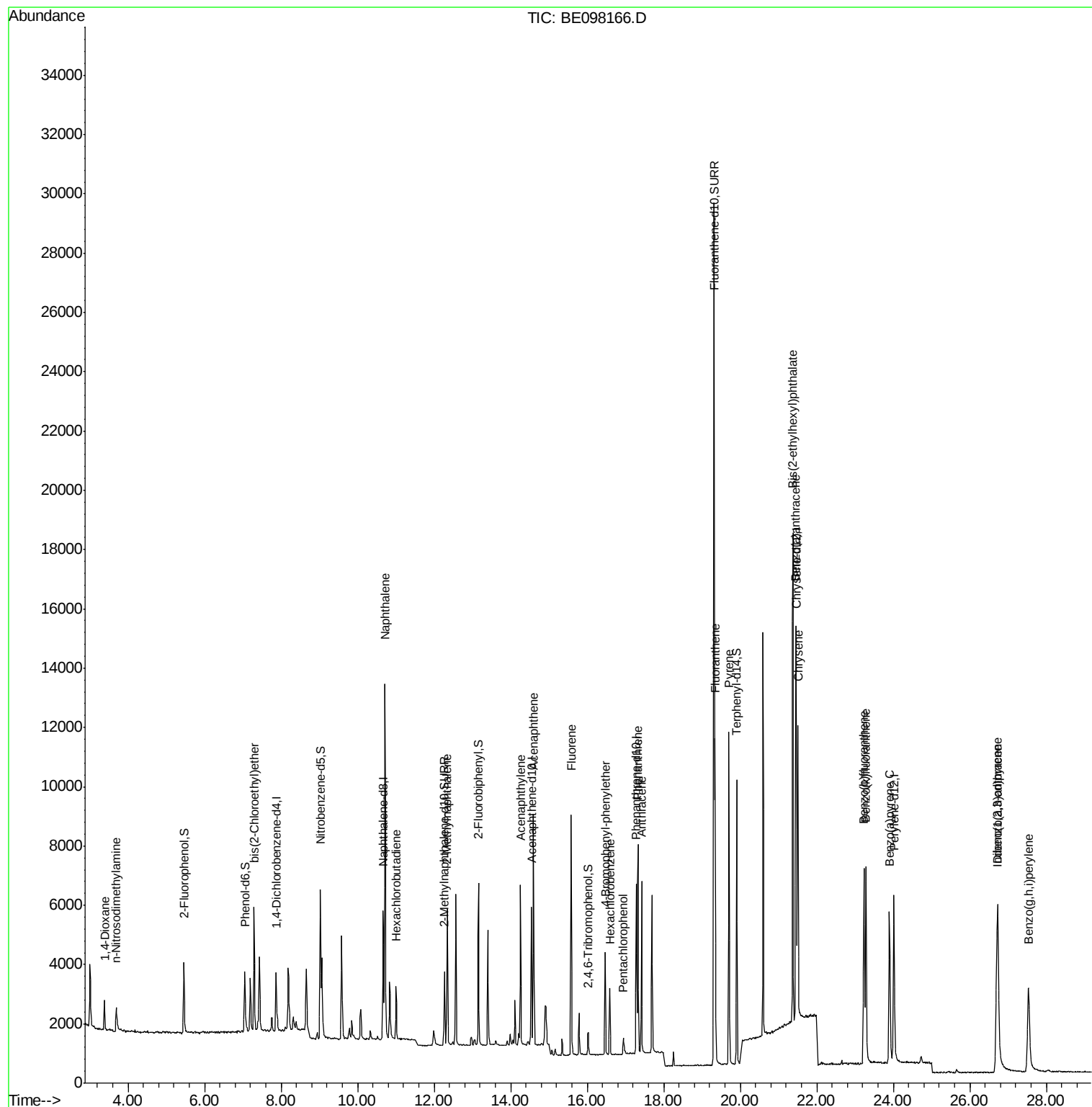
Target Compounds				Qvalue		
2) 1,4-Dioxane	3.38	88	628	0.415	ng	96
3) n-Nitrosodimethylamine	3.70	42	755	0.373	ng	# 84
6) bis(2-Chloroethyl)ether	7.29	93	1403	0.386	ng	96
9) Naphthalene	10.72	128	19496	0.409	ng	99
10) Hexachlorobutadiene	11.00	225	1297	0.415	ng	96
12) 2-Methylnaphthalene	12.34	142	3477	0.409	ng	# 87
16) Acenaphthylene	14.25	152	5973	0.402	ng	99
17) Acenaphthene	14.60	154	3719	0.417	ng	99
18) Fluorene	15.58	166	4864	0.411	ng	99
20) 4-Bromophenyl-phenylether	16.48	248	1932	0.415	ng	# 84
21) Hexachlorobenzene	16.59	284	1997	0.410	ng	96
22) Pentachlorophenol	16.94	266	416	0.423	ng	88
23) Phenanthrene	17.33	178	7891	0.417	ng	99
24) Anthracene	17.42	178	7199	0.400	ng	99
26) Fluoranthene	19.34	202	9536	0.402	ng	97
28) Pyrene	19.71	202	9784	0.410	ng	100
30) Benzo(a)anthracene	21.45	228	10107	0.395	ng	98
31) Chrysene	21.51	228	10548	0.417	ng	96
32) Bis(2-ethylhexyl)phthalate	21.38	149	22024	0.239	ng	100
33) Indeno(1,2,3-cd)pyrene	26.71	276	9961	0.379	ng	95
35) Benzo(b)fluoranthene	23.23	252	9478	0.406	ng	# 90
36) Benzo(k)fluoranthene	23.28	252	10207	0.422	ng	# 89
37) Benzo(a)pyrene	23.90	252	9279	0.407	ng	# 90
38) Dibenzo(a,h)anthracene	26.73	278	8373	0.393	ng	# 93
39) Benzo(g,h,i)perylene	27.54	276	8484	0.400	ng	# 89

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

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#1

1,4-Dichlorobenzene-d4

Concen: 0.400 ng

RT: 7.88 min Scan# 435

Delta R.T. -0.00 min

Lab File: BE098166.D

Acq: 7 Nov 2018 10:21

Instrument :

BNA_E

ClientSampleId :

PB114542BS

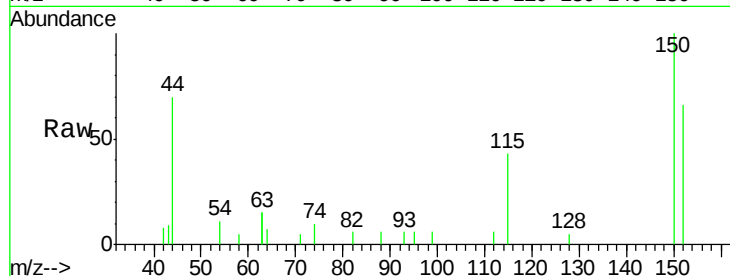
Tgt Ion:152 Resp: 1016

Ion Ratio Lower Upper

152 100

150 151.1 118.2 177.4

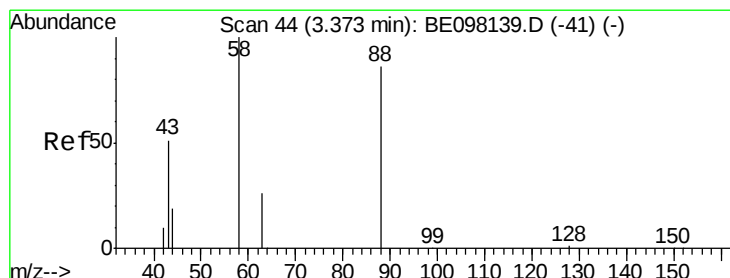
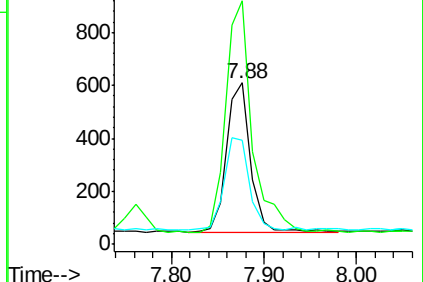
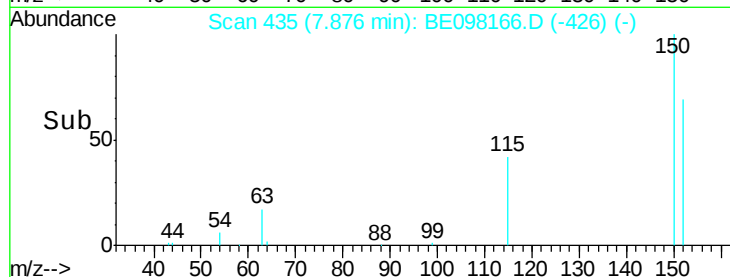
115 64.7 50.9 76.3



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: 0.415 ng

RT: 3.38 min Scan# 45

Delta R.T. 0.01 min

Lab File: BE098166.D

Acq: 7 Nov 2018 10:21

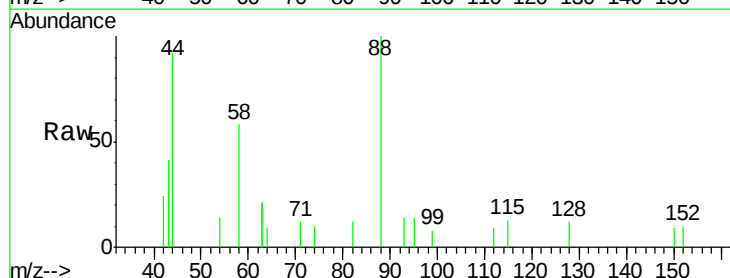
Tgt Ion: 88 Resp: 628

Ion Ratio Lower Upper

88 100

58 94.3 73.2 109.8

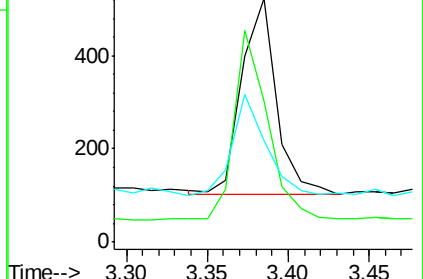
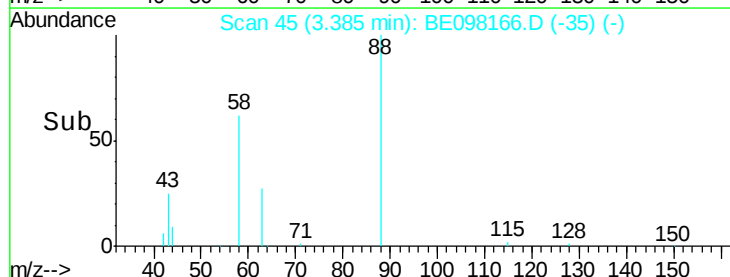
43 50.8 36.9 55.3

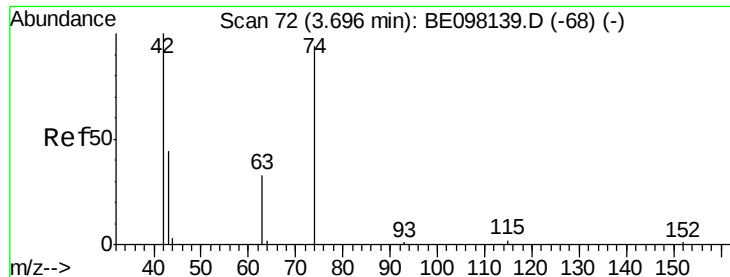


Abundance Ion 88.00 (87.70 to 88.70): BE0

Ion 58.00 (57.70 to 58.70): BE0

Ion 43.00 (42.70 to 43.70): BE0





#3

n-Nitrosodimethylamine

Concen: 0.373 ng

RT: 3.70 min Scan# 72

Delta R.T. -0.00 min

Lab File: BE098166.D

Acq: 7 Nov 2018 10:21

Instrument :

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PB114542BS

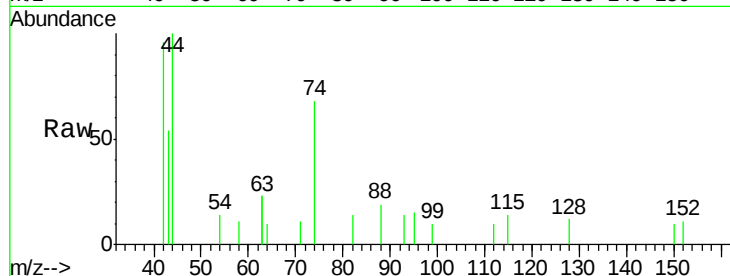
Tgt Ion: 42 Resp: 755

Ion Ratio Lower Upper

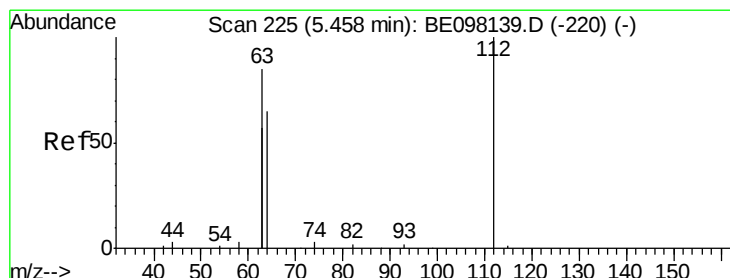
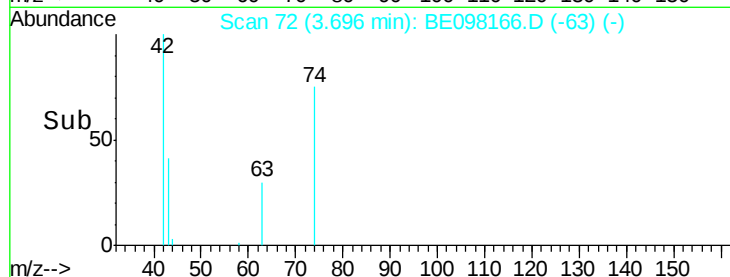
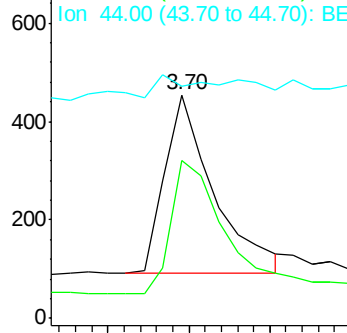
42 100

74 82.4 77.6 116.4

44 17.9 7.6 11.4#



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: 0.393 ng

RT: 5.46 min Scan# 225

Delta R.T. -0.00 min

Lab File: BE098166.D

Acq: 7 Nov 2018 10:21

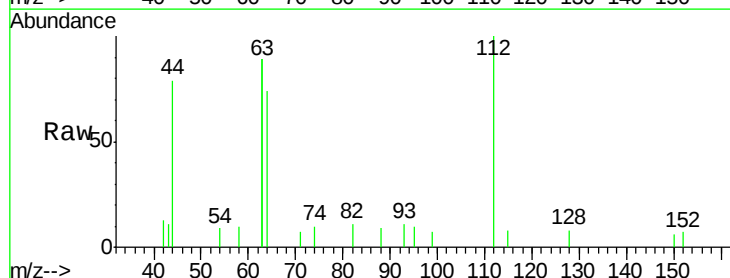
Tgt Ion: 112 Resp: 1185

Ion Ratio Lower Upper

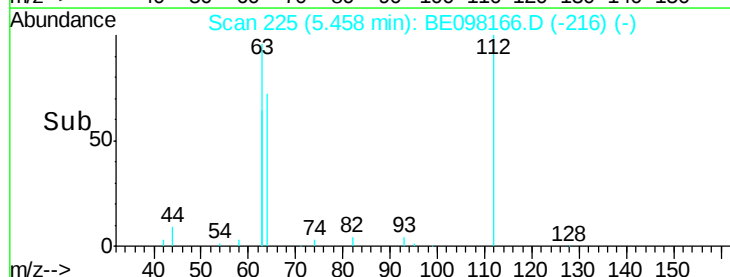
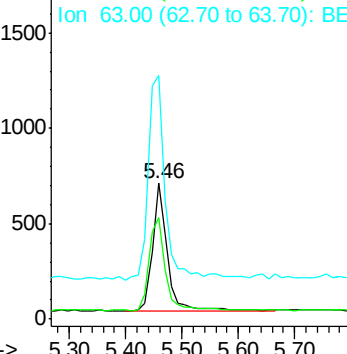
112 100

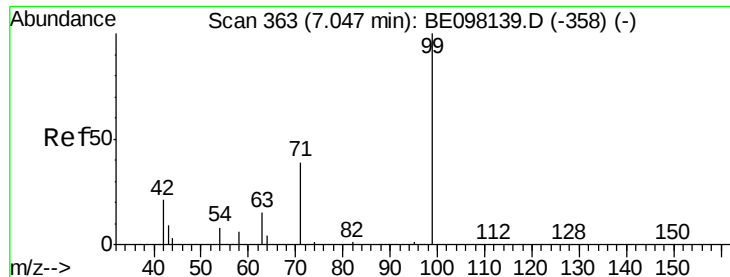
64 80.1 58.9 88.3

63 187.8 120.3 180.5#



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: 0.386 ng

RT: 7.05 min Scan# 363

Delta R.T. -0.00 min

Lab File: BE098166.D

Acq: 7 Nov 2018 10:21

Instrument :

BNA_E

ClientSampleId :

PB114542BS

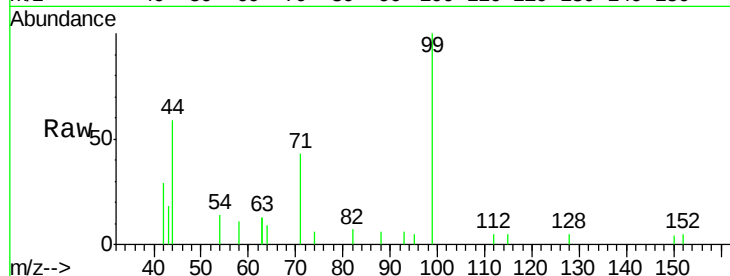
Tgt Ion: 99 Resp: 1918

Ion Ratio Lower Upper

99 100

42 30.3 19.9 29.9#

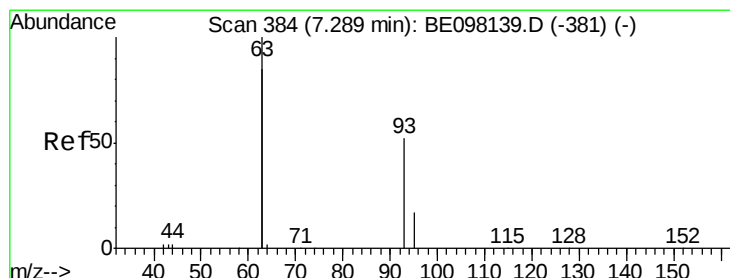
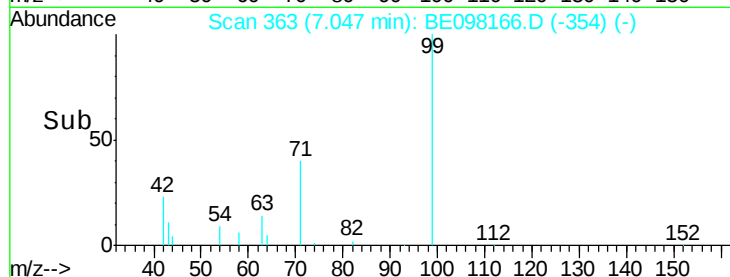
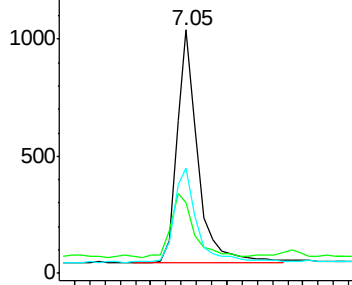
71 44.3 27.8 41.8#



Abundance Ion 99.00 (98.70 to 99.70): BE0

Ion 42.00 (41.70 to 42.70): BE0

Ion 71.00 (70.70 to 71.70): BE0



#6

bis(2-Chloroethyl)ether

Concen: 0.386 ng

RT: 7.29 min Scan# 384

Delta R.T. -0.00 min

Lab File: BE098166.D

Acq: 7 Nov 2018 10:21

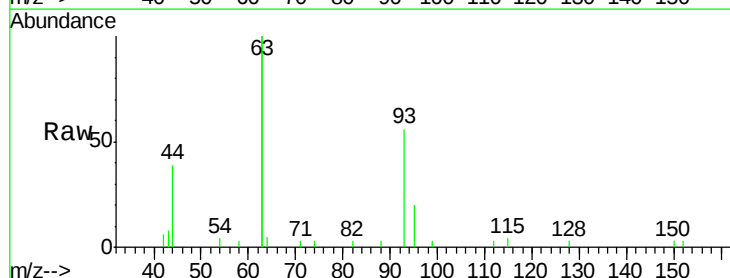
Tgt Ion: 93 Resp: 1403

Ion Ratio Lower Upper

93 100

63 333.2 259.0 388.4

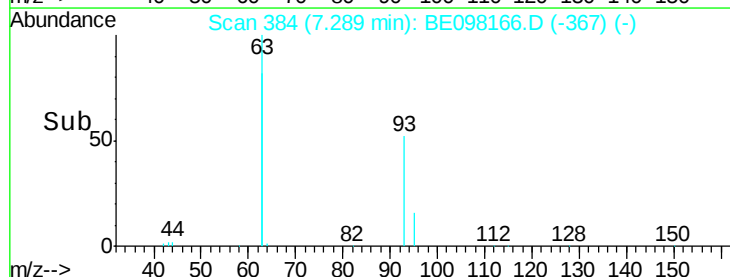
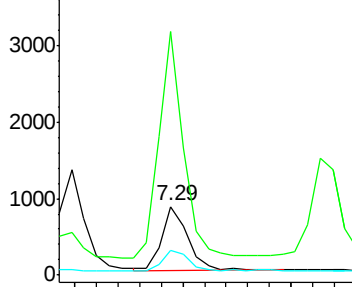
95 32.9 27.8 41.8

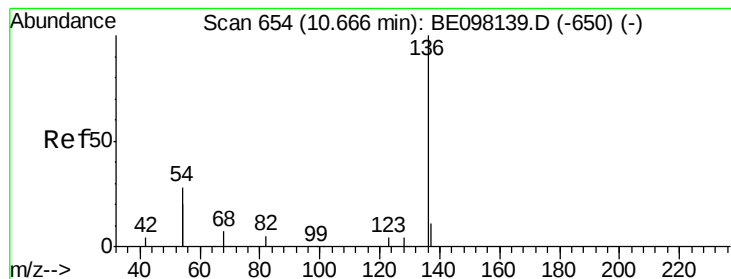


Abundance Ion 93.00 (92.70 to 93.70): BE0

Ion 63.00 (62.70 to 63.70): BE0

Ion 95.00 (94.70 to 95.70): BE0





#7

Naphthalene-d8

Concen: 0.400 ng

RT: 10.67 min Scan# 654

Delta R.T. 0.00 min

Lab File: BE098166.D

Acq: 7 Nov 2018 10:21

Instrument :

BNA_E

ClientSampleId :

PB114542BS

Tgt Ion: 136 Resp: 4765

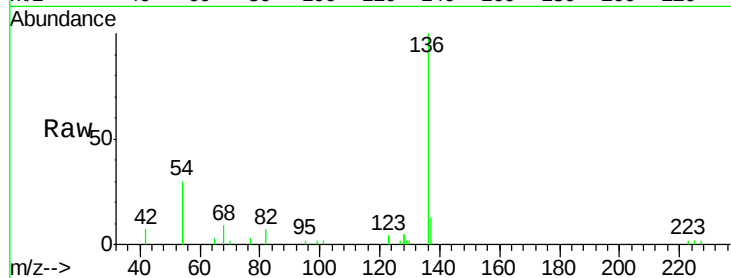
Ion Ratio Lower Upper

136 100

137 12.6 9.6 14.4

54 60.7 27.7 41.5#

68 8.7 5.3 7.9#

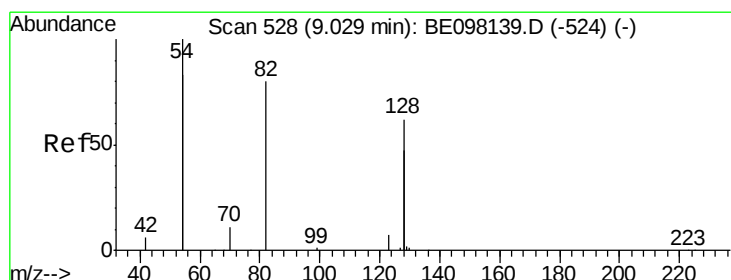
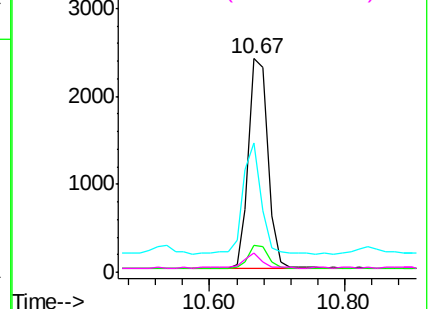
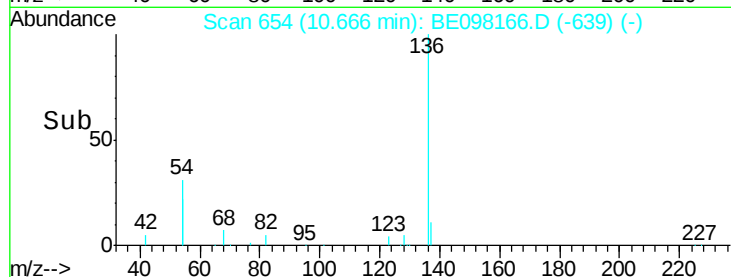


Abundance Ion 136.00 (135.70 to 136.70): E

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: 0.383 ng

RT: 9.03 min Scan# 528

Delta R.T. 0.00 min

Lab File: BE098166.D

Acq: 7 Nov 2018 10:21

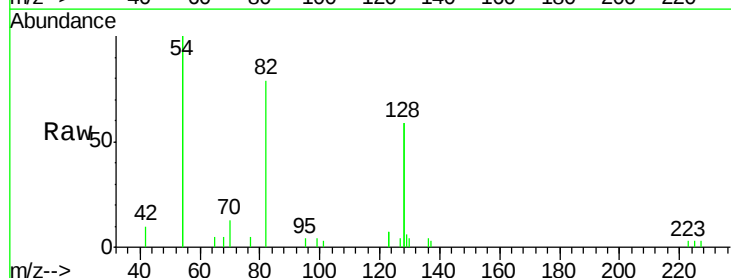
Tgt Ion: 82 Resp: 1959

Ion Ratio Lower Upper

82 100

128 149.6 129.9 194.9

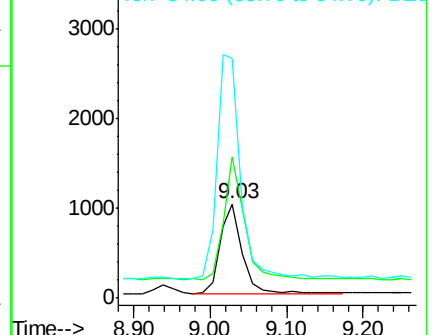
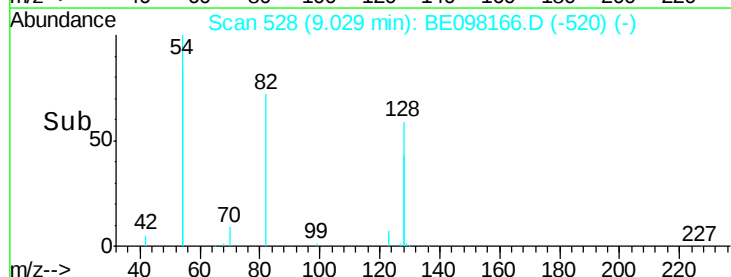
54 254.2 174.0 261.0

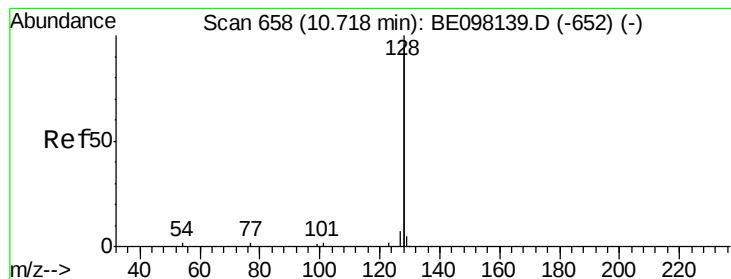


Abundance Ion 82.00 (81.70 to 82.70): BE0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BE0





#9

Naphthalene

Concen: 0.409 ng

RT: 10.72 min Scan# 658

Delta R.T. 0.00 min

Lab File: BE098166.D

Acq: 7 Nov 2018 10:21

Instrument :

BNA_E

ClientSampleId :

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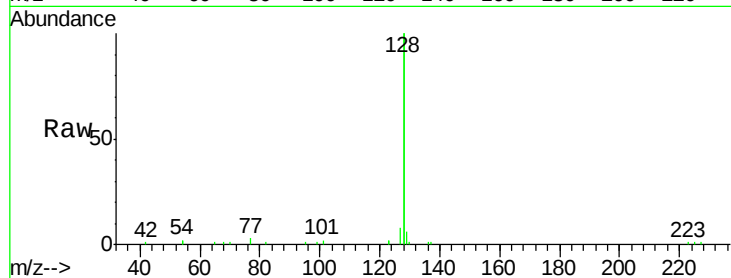
Tgt Ion:128 Resp: 19496

Ion Ratio Lower Upper

128 100

129 2.9 2.5 3.7

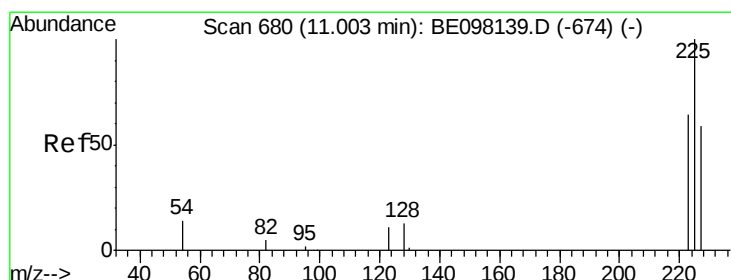
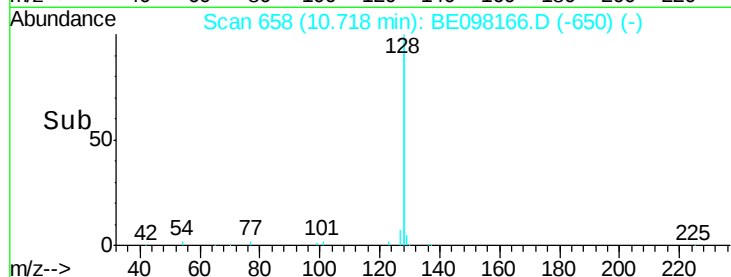
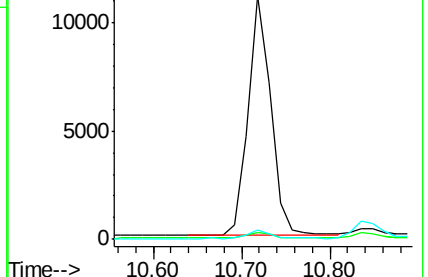
127 3.8 2.8 4.2



Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E



#10

Hexachlorobutadiene

Concen: 0.415 ng

RT: 11.00 min Scan# 680

Delta R.T. 0.00 min

Lab File: BE098166.D

Acq: 7 Nov 2018 10:21

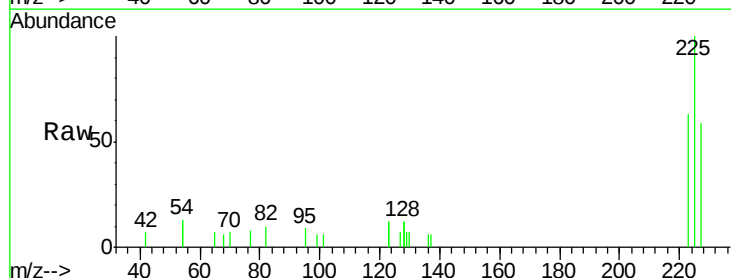
Tgt Ion:225 Resp: 1297

Ion Ratio Lower Upper

225 100

223 62.8 51.8 77.8

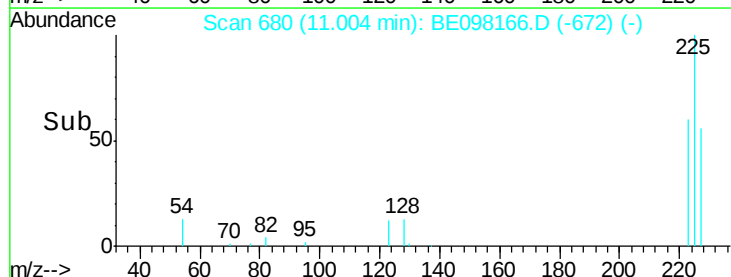
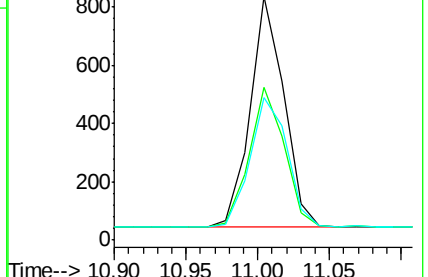
227 62.0 53.0 79.6

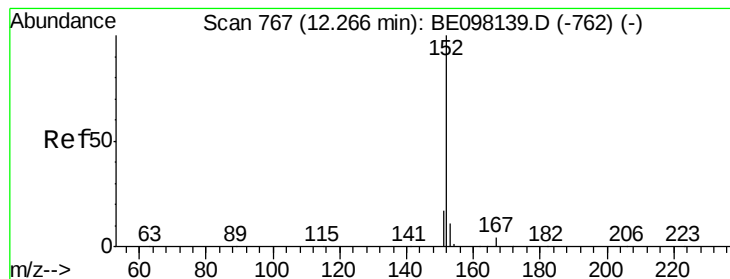


Abundance Ion 225.00 (224.70 to 225.70): E

Ion 223.00 (222.70 to 223.70): E

Ion 227.00 (226.70 to 227.70): E





#11

2-Methylnaphthalene-d10

Concen: 0.415 ng

RT: 12.27 min Scan# 767

Delta R.T. 0.00 min

Lab File: BE098166.D

Acq: 7 Nov 2018 10:21

Instrument :

BNA_E

ClientSampleId :

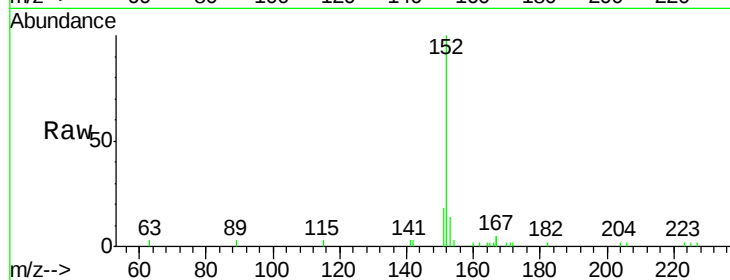
PB114542BS

Tgt Ion:152 Resp: 3490

Ion Ratio Lower Upper

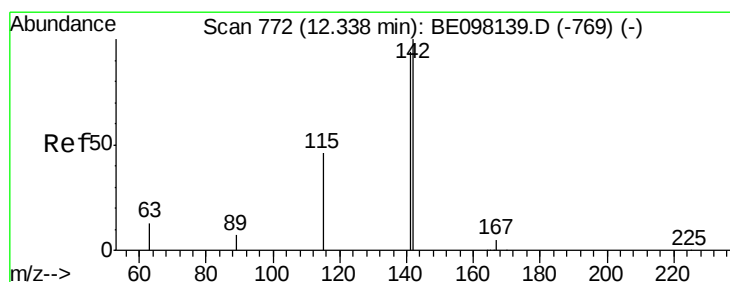
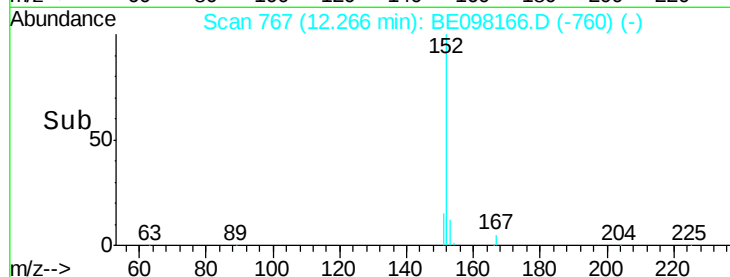
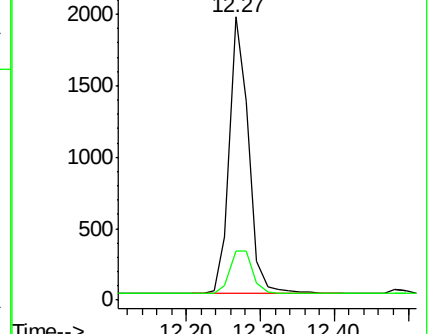
152 100

151 19.0 16.2 24.4



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E



#12

2-Methylnaphthalene

Concen: 0.409 ng

RT: 12.34 min Scan# 772

Delta R.T. 0.00 min

Lab File: BE098166.D

Acq: 7 Nov 2018 10:21

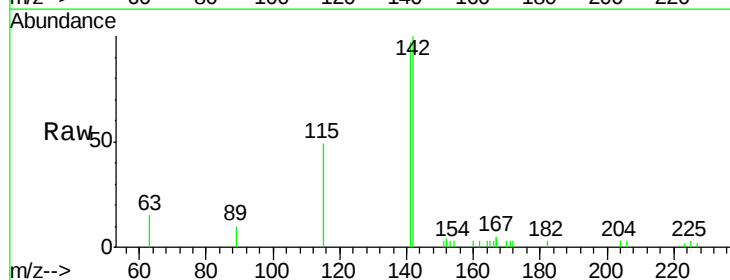
Tgt Ion:142 Resp: 3477

Ion Ratio Lower Upper

142 100

141 97.3 69.8 104.6

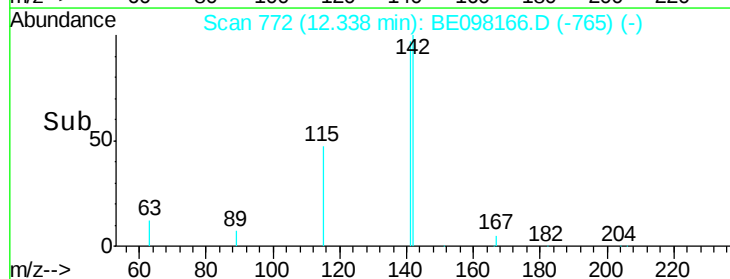
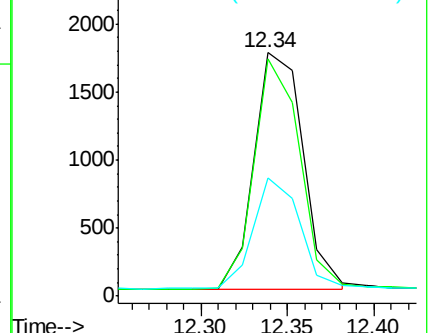
115 48.6 30.5 45.7#

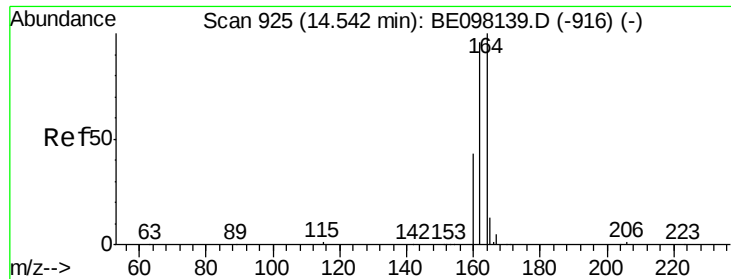


Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 115.00 (114.70 to 115.70): E

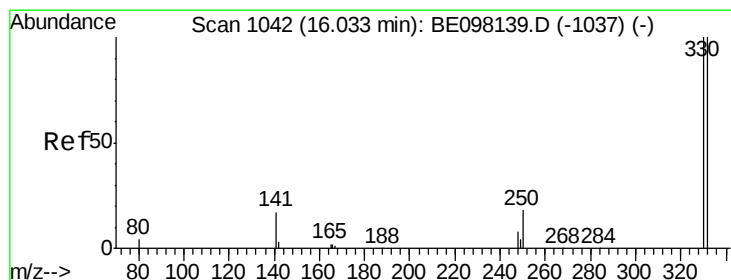
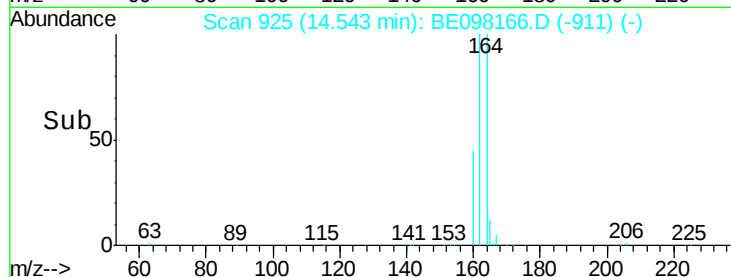
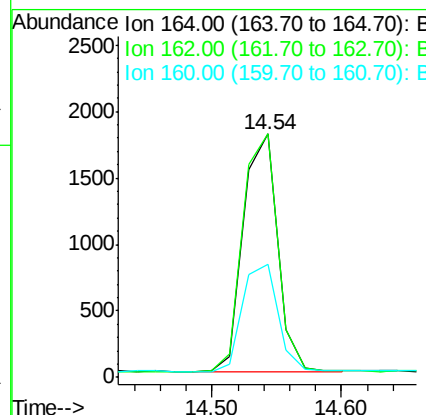
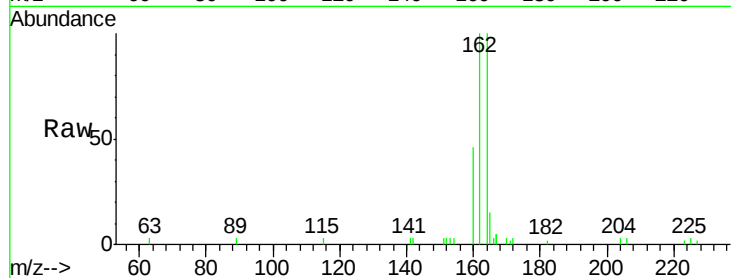




#13
 Acenaphthene-d10
 Concen: 0.400 ng
 RT: 14.54 min Scan# 925
 Delta R.T. 0.00 min
 Lab File: BE098166.D
 Acq: 7 Nov 2018 10:21

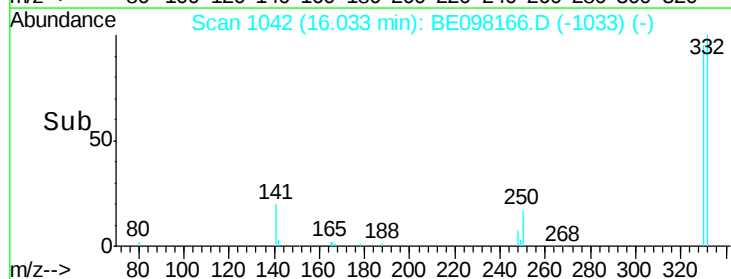
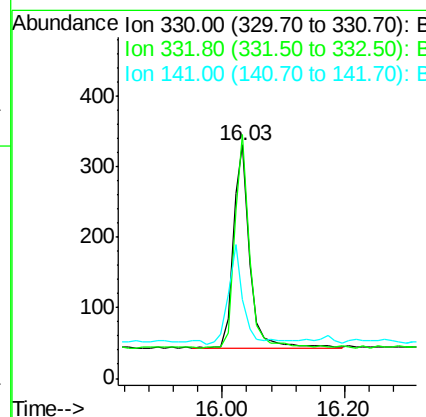
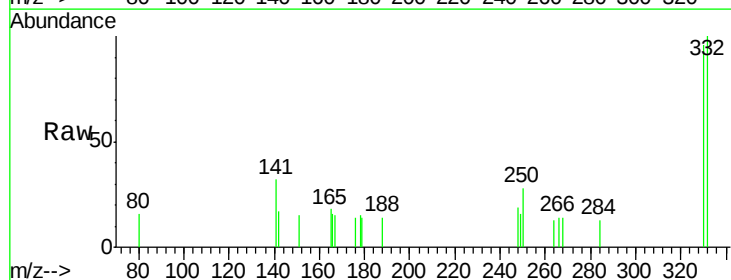
Instrument :
 BNA_E
 ClientSampleId :
 PB114542BS

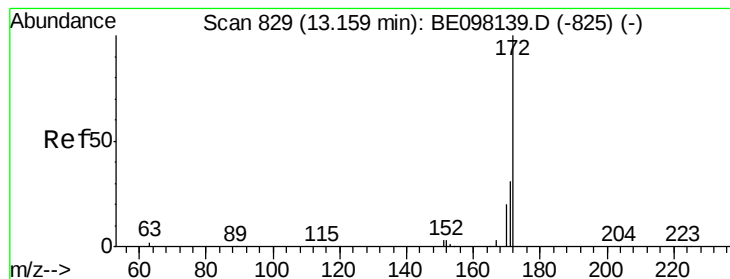
Tgt Ion: 164 Resp: 3257
 Ion Ratio Lower Upper
 164 100
 162 99.9 77.4 116.2
 160 46.4 36.5 54.7



#14
 2,4,6-Tribromophenol
 Concen: 0.349 ng
 RT: 16.03 min Scan# 1042
 Delta R.T. 0.00 min
 Lab File: BE098166.D
 Acq: 7 Nov 2018 10:21

Tgt Ion: 330 Resp: 538
 Ion Ratio Lower Upper
 330 100
 332 95.7 76.5 114.7
 141 45.2 31.8 47.6





#15

2-Fluorobiphenyl

Concen: 0.406 ng

RT: 13.16 min Scan# 829

Delta R.T. 0.00 min

Lab File: BE098166.D

Acq: 7 Nov 2018 10:21

Instrument :

BNA_E

ClientSampleId :

PB114542BS

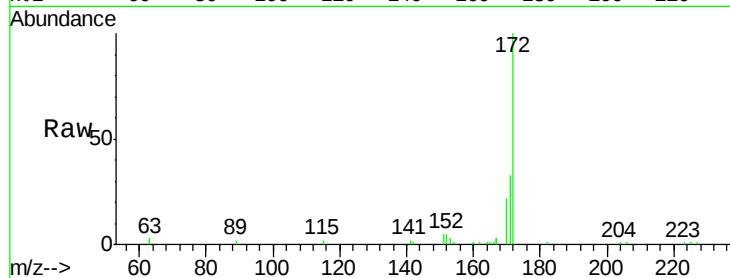
Tgt Ion:172 Resp: 5432

Ion Ratio Lower Upper

172 100

171 33.1 26.0 39.0

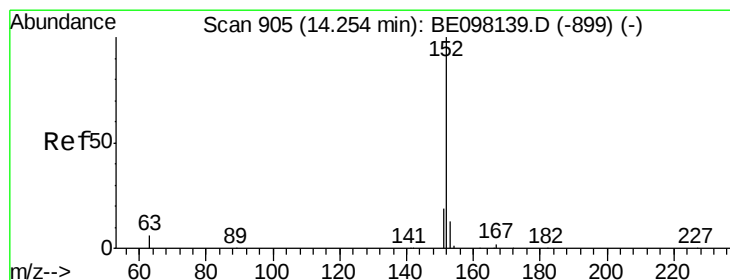
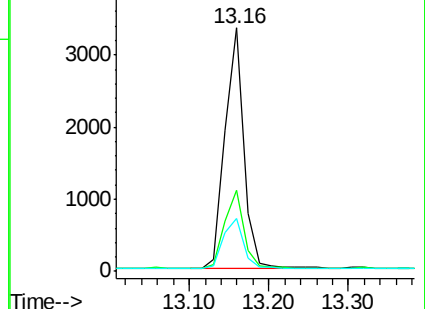
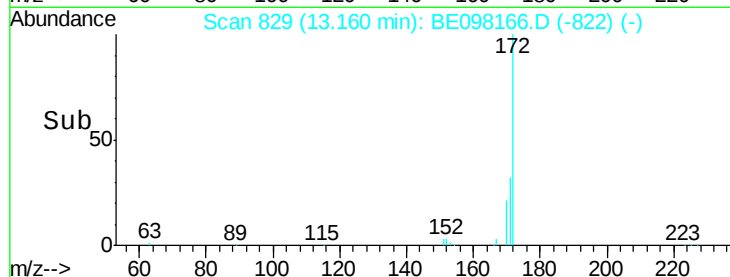
170 21.9 18.0 27.0



Abundance Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E



#16

Acenaphthylene

Concen: 0.402 ng

RT: 14.25 min Scan# 905

Delta R.T. 0.00 min

Lab File: BE098166.D

Acq: 7 Nov 2018 10:21

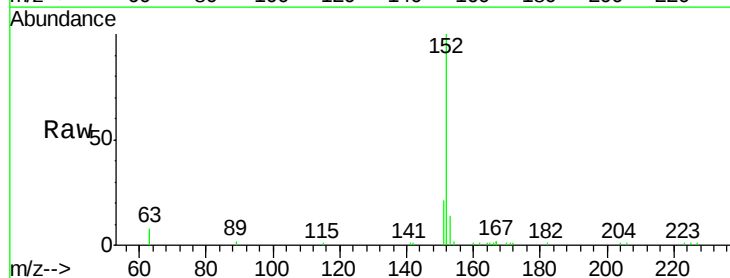
Tgt Ion:152 Resp: 5973

Ion Ratio Lower Upper

152 100

151 20.4 16.1 24.1

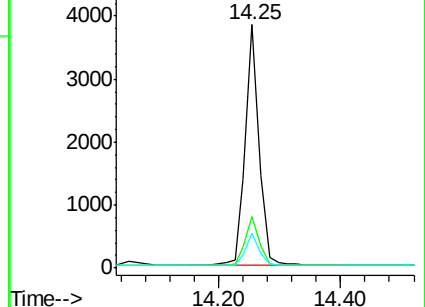
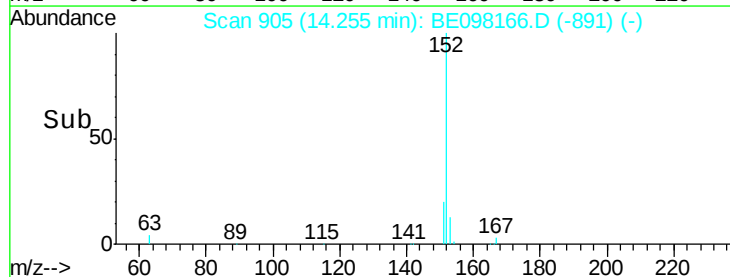
153 12.7 10.9 16.3

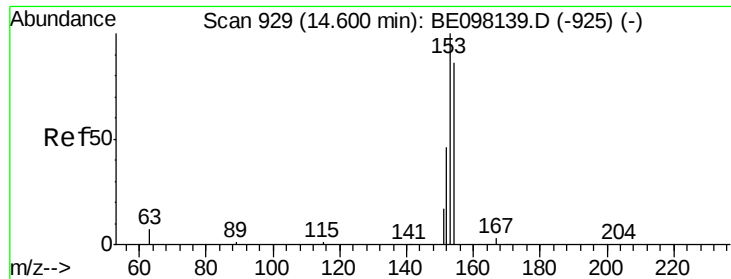


Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E





#17

Acenaphthene

Concen: 0.417 ng

RT: 14.60 min Scan# 929

Delta R.T. 0.00 min

Lab File: BE098166.D

Acq: 7 Nov 2018 10:21

Instrument :

BNA_E

ClientSampleId :

PB114542BS

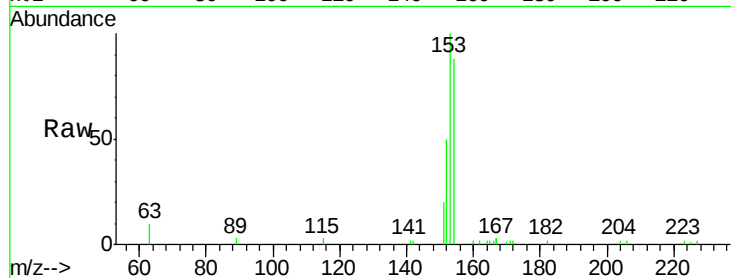
Tgt Ion:154 Resp: 3719

Ion Ratio Lower Upper

154 100

153 117.1 92.6 139.0

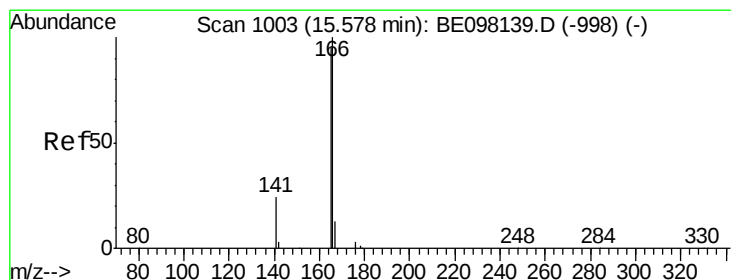
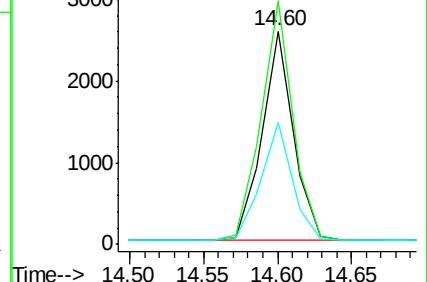
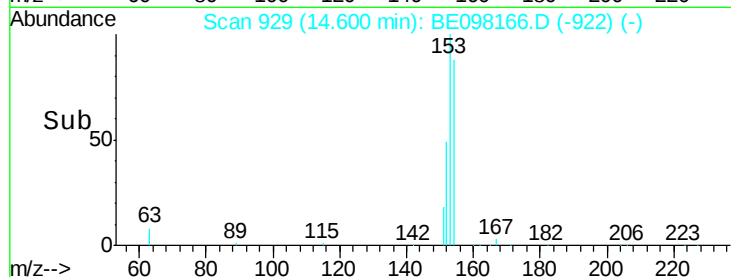
152 57.5 45.5 68.3



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: 0.411 ng

RT: 15.58 min Scan# 1003

Delta R.T. 0.00 min

Lab File: BE098166.D

Acq: 7 Nov 2018 10:21

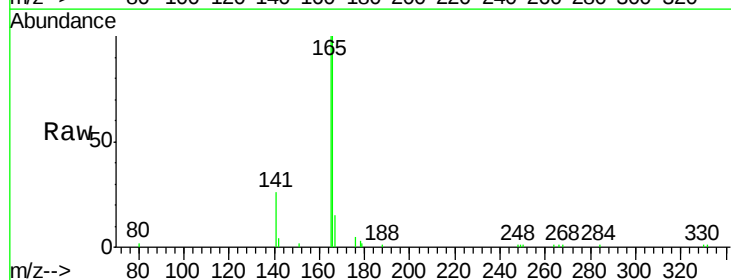
Tgt Ion:166 Resp: 4864

Ion Ratio Lower Upper

166 100

165 99.4 78.2 117.4

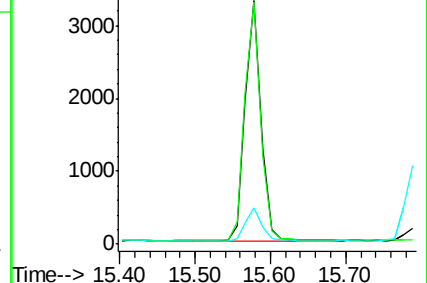
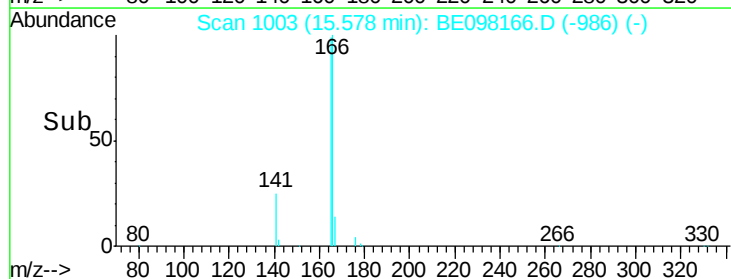
167 13.6 11.0 16.6

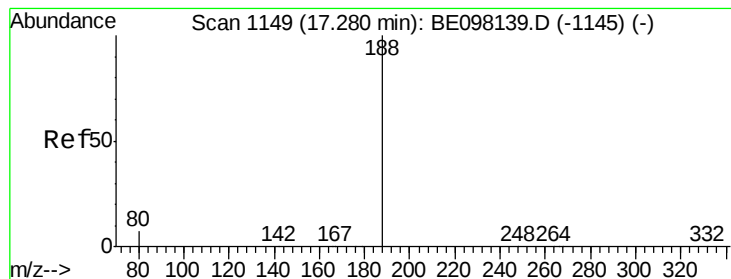


Abundance Ion 166.00 (165.70 to 166.70): E

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: BE098166.D

Acq: 7 Nov 2018 10:21

Instrument :

BNA_E

ClientSampleId :

PB114542BS

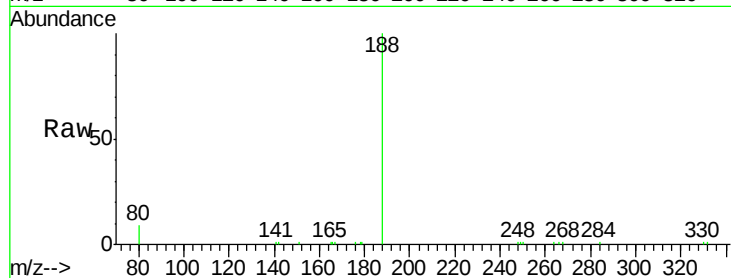
Tgt Ion:188 Resp: 7636

Ion Ratio Lower Upper

188 100

94 0.0 0.0 0.0

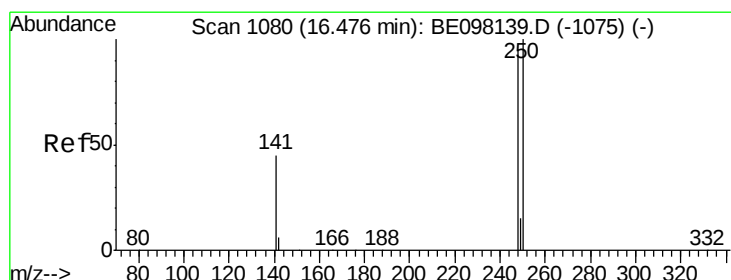
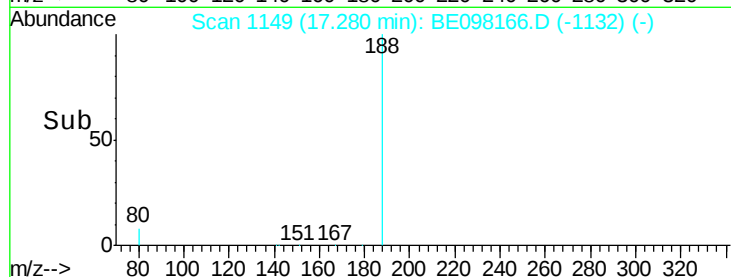
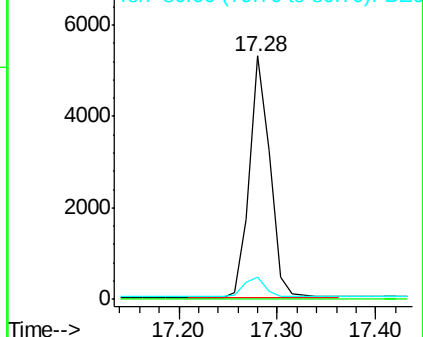
80 9.1 6.3 9.5



Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BE0

Ion 80.00 (79.70 to 80.70): BE0



#20

4-Bromophenyl-phenylether

Concen: 0.415 ng

RT: 16.48 min Scan# 1080

Delta R.T. 0.00 min

Lab File: BE098166.D

Acq: 7 Nov 2018 10:21

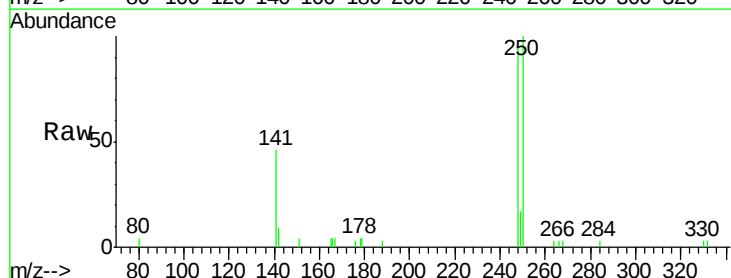
Tgt Ion:248 Resp: 1932

Ion Ratio Lower Upper

248 100

250 105.5 75.1 112.7

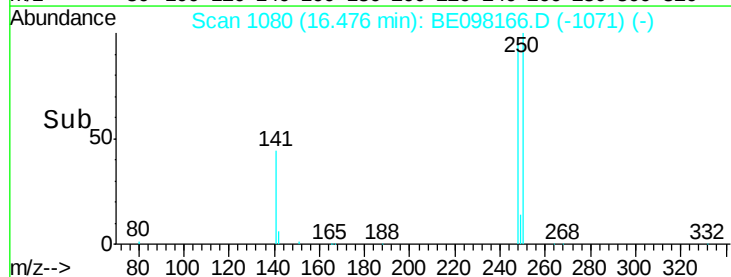
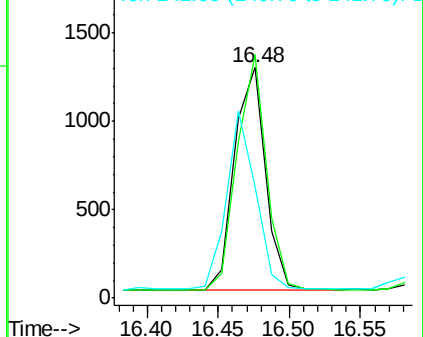
141 48.4 51.8 77.8#

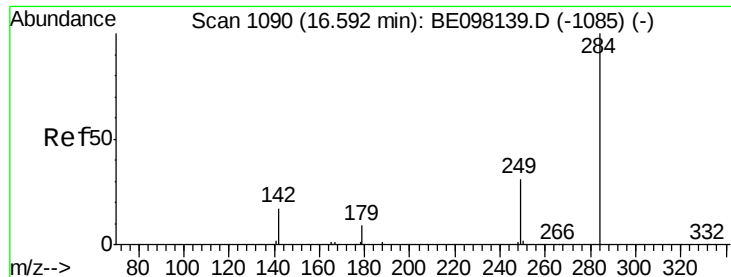


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E





#21

Hexachlorobenzene

Concen: 0.410 ng

RT: 16.59 min Scan# 1090

Delta R.T. 0.00 min

Lab File: BE098166.D

Acq: 7 Nov 2018 10:21

Instrument :

BNA_E

ClientSampleId :

PB114542BS

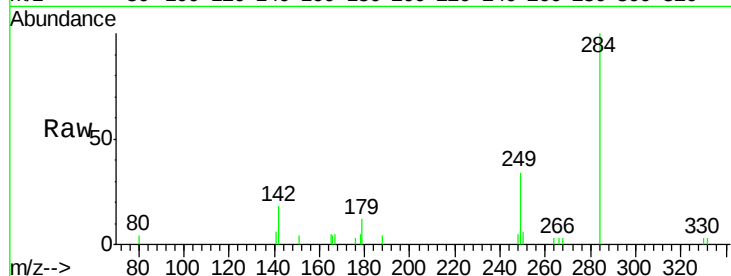
Tgt Ion:284 Resp: 1997

Ion Ratio Lower Upper

284 100

142 33.0 25.9 38.9

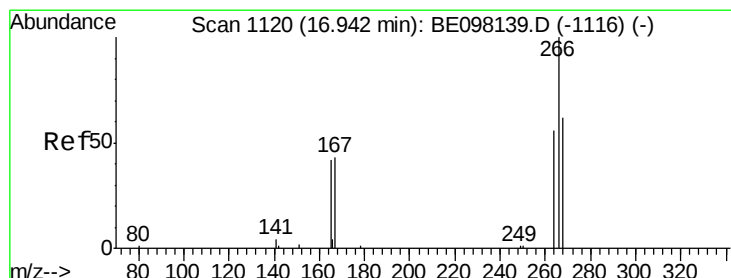
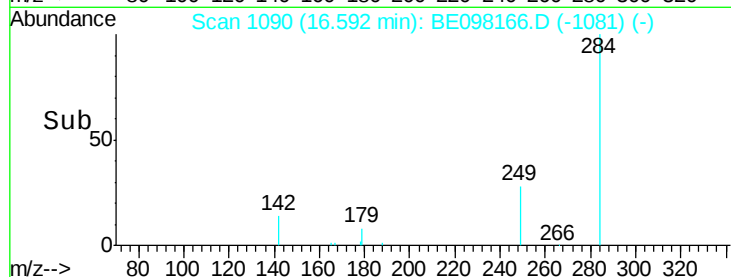
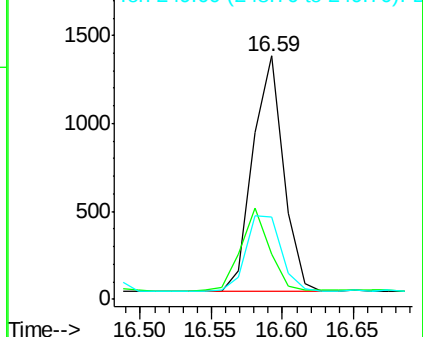
249 36.7 26.6 40.0



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: 0.423 ng

RT: 16.94 min Scan# 1120

Delta R.T. 0.00 min

Lab File: BE098166.D

Acq: 7 Nov 2018 10:21

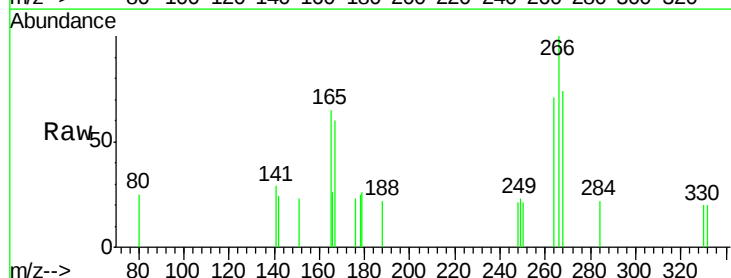
Tgt Ion:266 Resp: 416

Ion Ratio Lower Upper

266 100

264 70.9 51.3 76.9

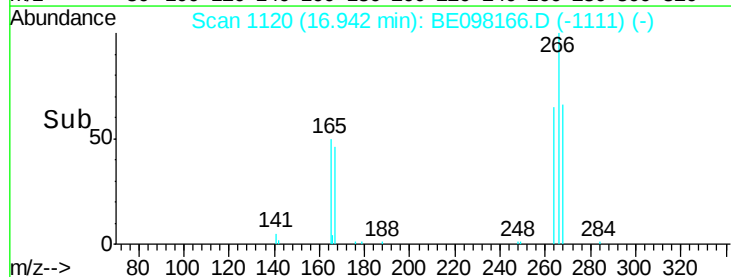
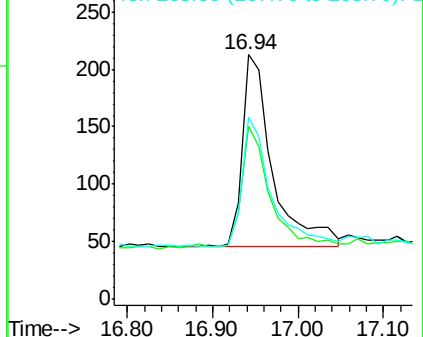
268 74.2 50.1 75.1

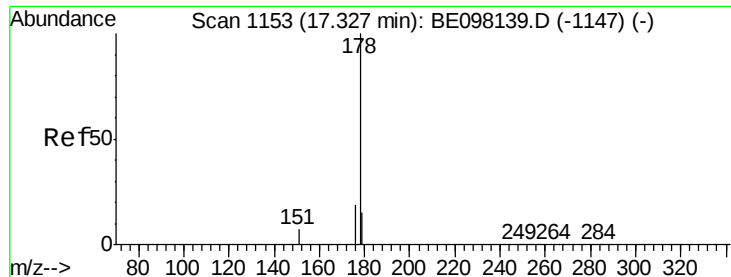


Abundance Ion 266.00 (265.70 to 266.70): E

Ion 264.00 (263.70 to 264.70): E

Ion 268.00 (267.70 to 268.70): E





#23

Phenanthrene

Concen: 0.417 ng

RT: 17.33 min Scan# 1153

Delta R.T. 0.00 min

Lab File: BE098166.D

Acq: 7 Nov 2018 10:21

Instrument :

BNA_E

ClientSampleId :

PB114542BS

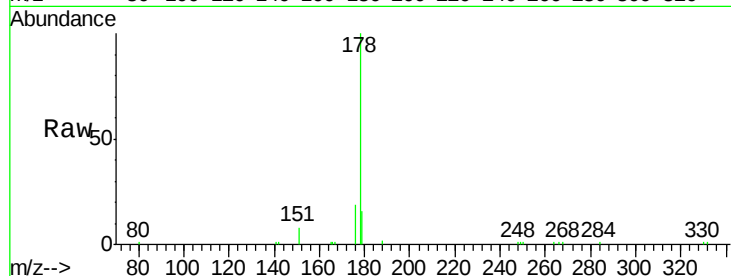
Tgt Ion:178 Resp: 7891

Ion Ratio Lower Upper

178 100

176 19.1 15.5 23.3

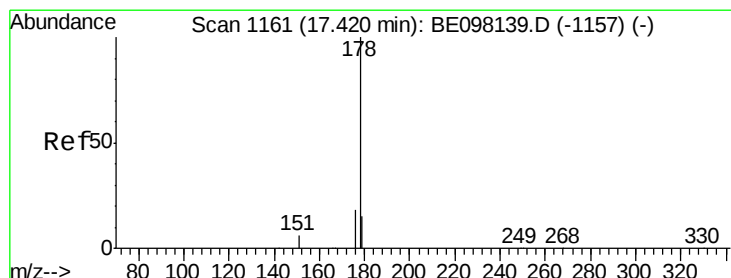
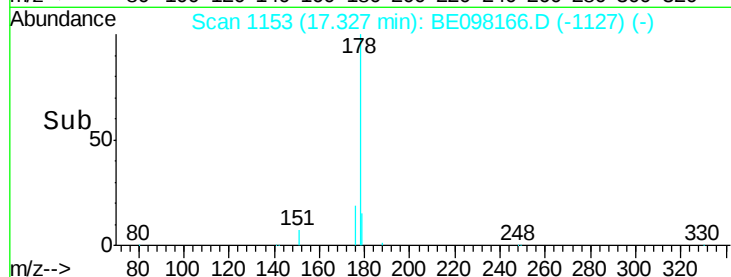
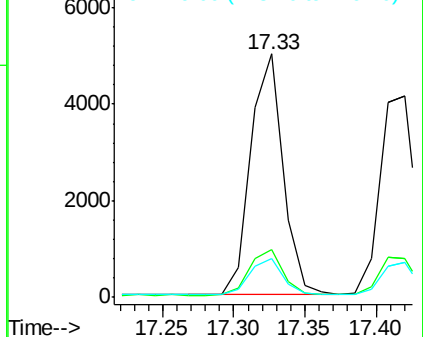
179 15.6 12.2 18.4



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: 0.400 ng

RT: 17.42 min Scan# 1161

Delta R.T. 0.00 min

Lab File: BE098166.D

Acq: 7 Nov 2018 10:21

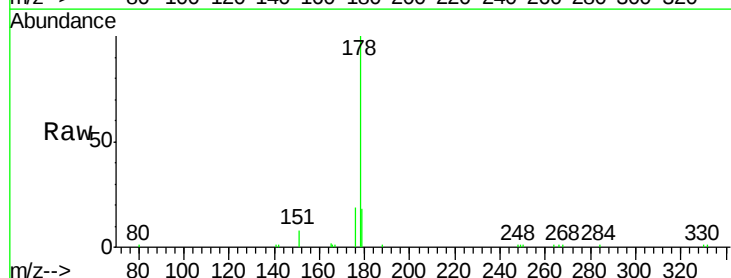
Tgt Ion:178 Resp: 7199

Ion Ratio Lower Upper

178 100

176 19.2 14.9 22.3

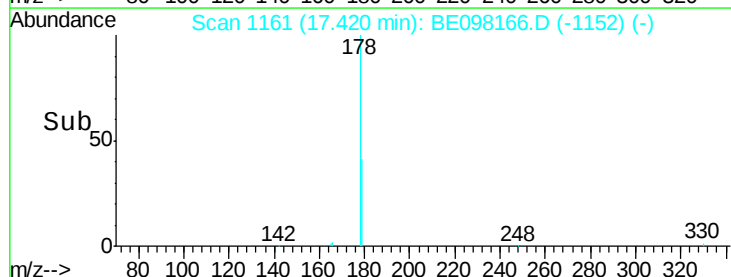
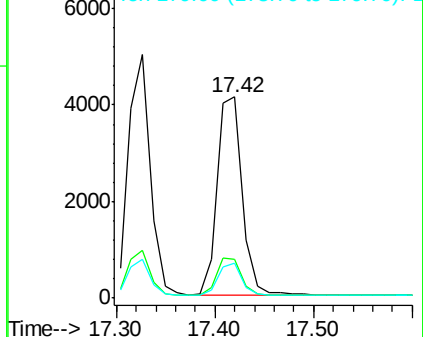
179 15.5 11.9 17.9

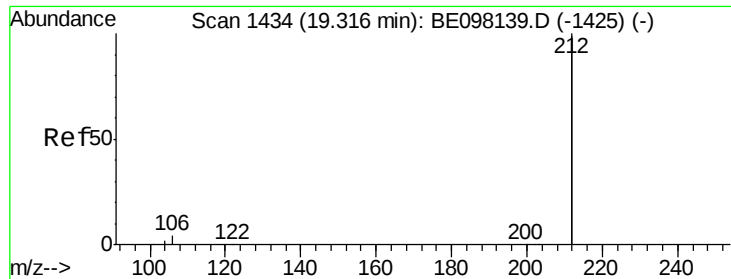


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E

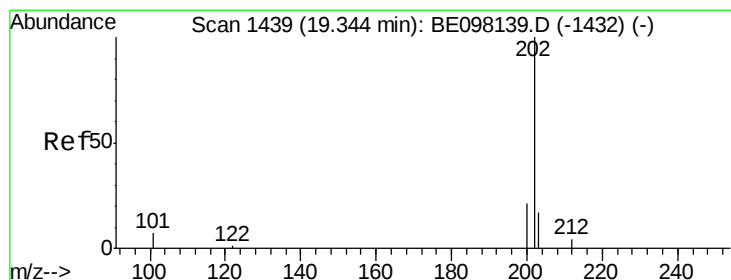
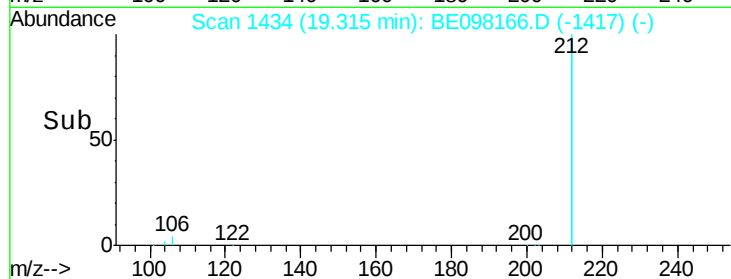
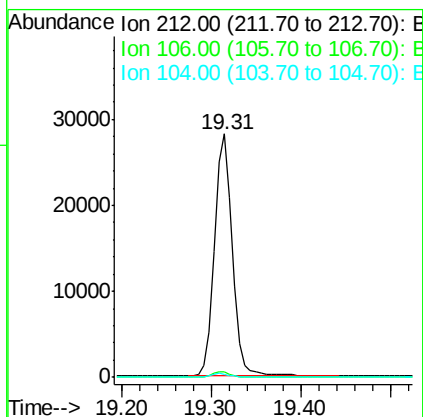
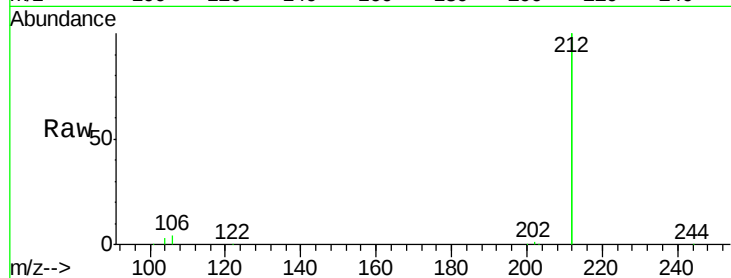




#25
Fluoranthene-d10
Concen: 0.395 ng
RT: 19.31 min Scan# 1434
Delta R.T. -0.00 min
Lab File: BE098166.D
Acq: 7 Nov 2018 10:21

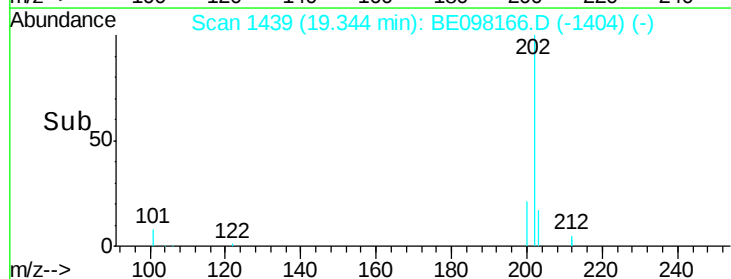
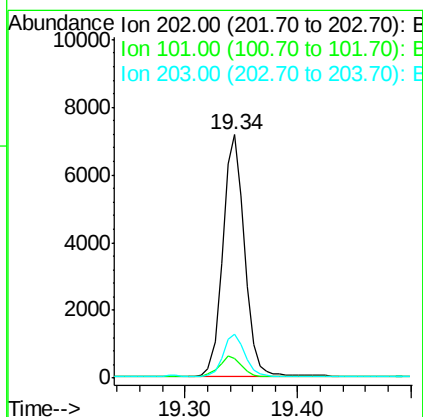
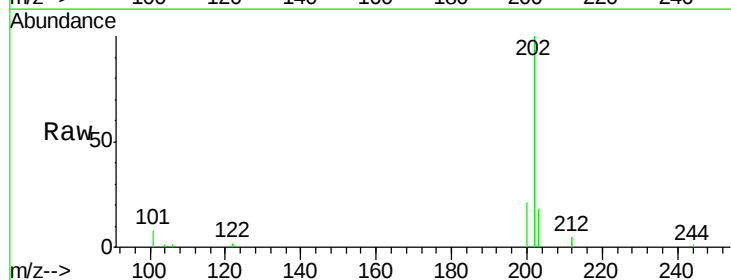
Instrument :
BNA_E
ClientSampleId :
PB114542BS

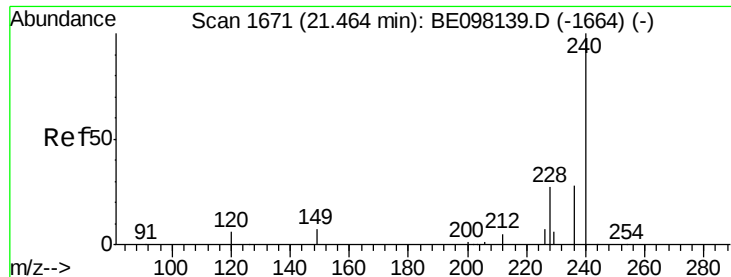
Tgt Ion:212 Resp: 38874
Ion Ratio Lower Upper
212 100
106 2.2 2.3 3.5#
104 1.3 1.3 1.9



#26
Fluoranthene
Concen: 0.402 ng
RT: 19.34 min Scan# 1439
Delta R.T. -0.00 min
Lab File: BE098166.D
Acq: 7 Nov 2018 10:21

Tgt Ion:202 Resp: 9536
Ion Ratio Lower Upper
202 100
101 8.7 8.2 12.2
203 17.5 15.0 22.4





#27

Chrysene-d12

Concen: 0.400 ng

RT: 21.46 min Scan# 1671

Delta R.T. -0.00 min

Lab File: BE098166.D

Acq: 7 Nov 2018 10:21

Instrument :

BNA_E

ClientSampleId :

PB114542BS

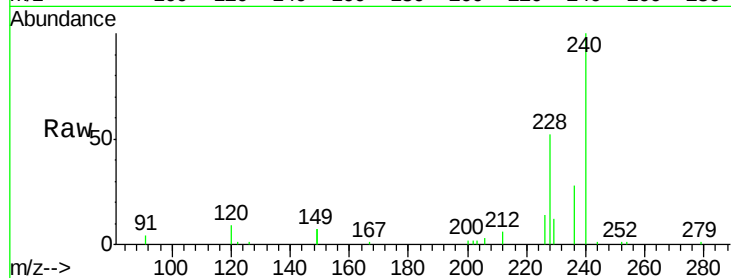
Tgt Ion:240 Resp: 8743

Ion Ratio Lower Upper

240 100

120 9.5 7.1 10.7

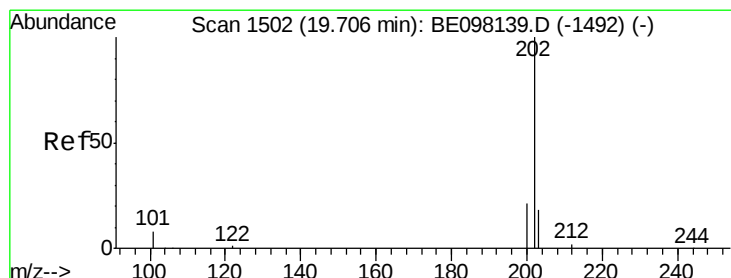
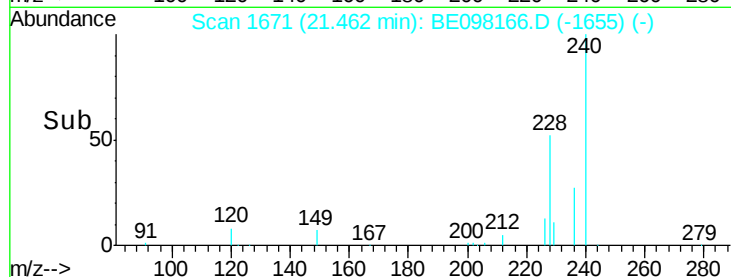
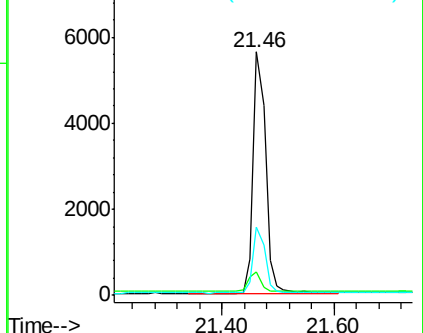
236 28.1 21.3 31.9



Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E



#28

Pyrene

Concen: 0.410 ng

RT: 19.71 min Scan# 1502

Delta R.T. -0.00 min

Lab File: BE098166.D

Acq: 7 Nov 2018 10:21

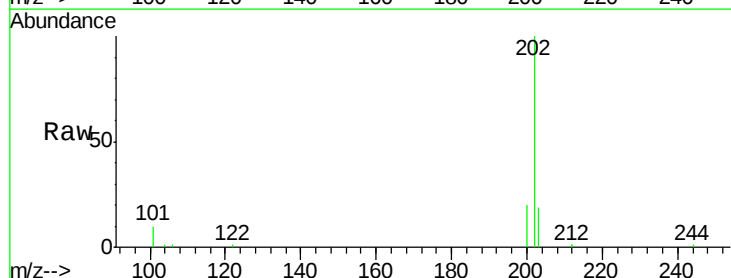
Tgt Ion:202 Resp: 9784

Ion Ratio Lower Upper

202 100

200 21.5 17.0 25.4

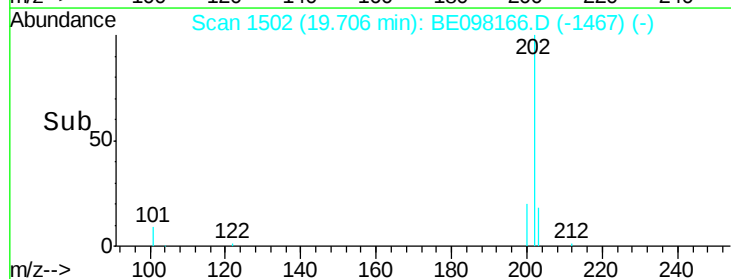
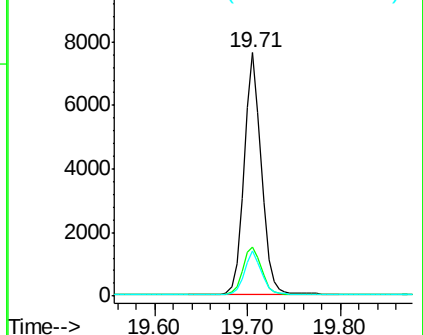
203 17.8 14.2 21.4

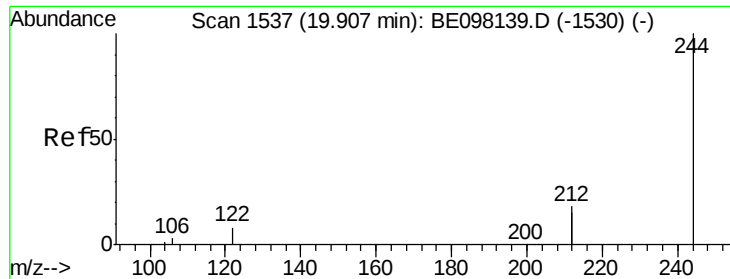


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#29

Terphenyl-d14

Concen: 0.412 ng

RT: 19.91 min Scan# 1538

Delta R.T. 0.01 min

Lab File: BE098166.D

Acq: 7 Nov 2018 10:21

Instrument :

BNA_E

ClientSampleId :

PB114542BS

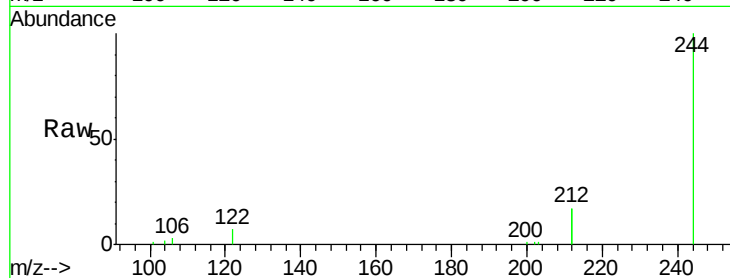
Tgt Ion:244 Resp: 8376

Ion Ratio Lower Upper

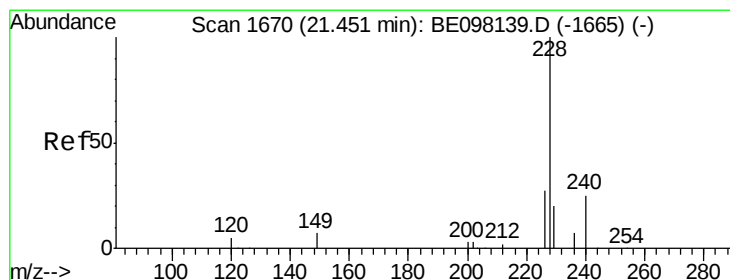
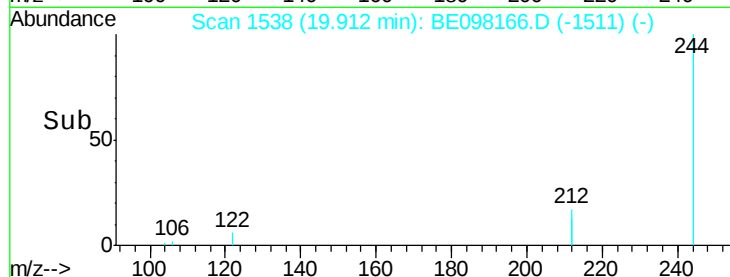
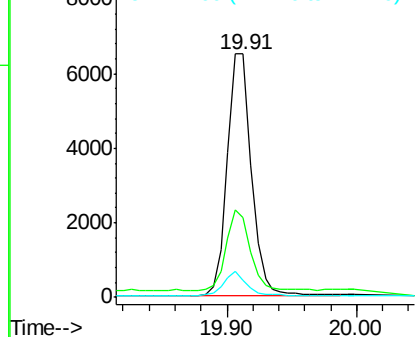
244 100

212 33.0 26.2 39.2

122 6.8 7.7 11.5#



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: 0.395 ng

RT: 21.45 min Scan# 1670

Delta R.T. -0.00 min

Lab File: BE098166.D

Acq: 7 Nov 2018 10:21

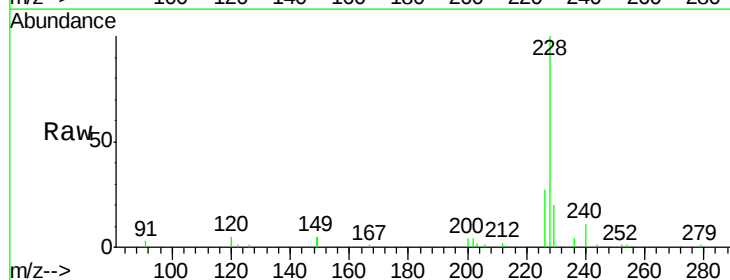
Tgt Ion:228 Resp: 10107

Ion Ratio Lower Upper

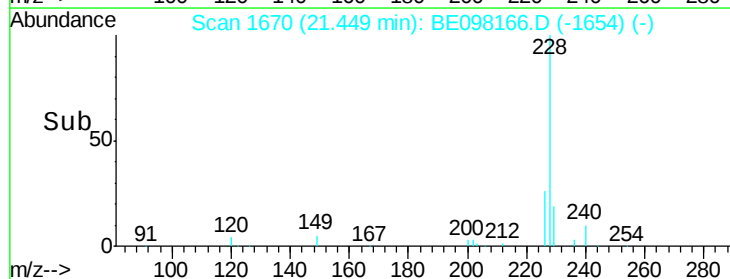
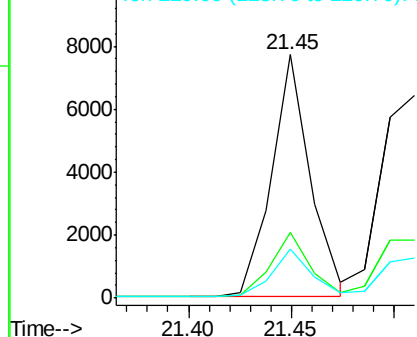
228 100

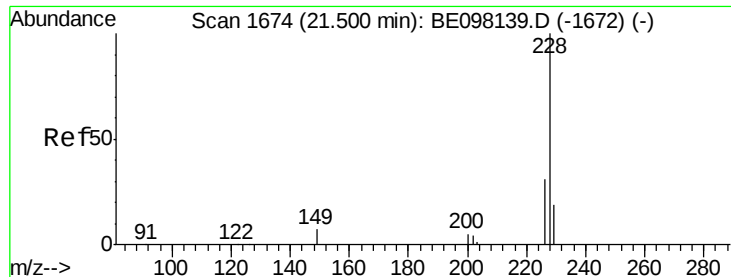
226 26.9 22.6 33.8

229 20.0 16.9 25.3



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: 0.417 ng

RT: 21.51 min Scan# 1675

Delta R.T. 0.01 min

Lab File: BE098166.D

Acq: 7 Nov 2018 10:21

Instrument :

BNA_E

ClientSampleId :

PB114542BS

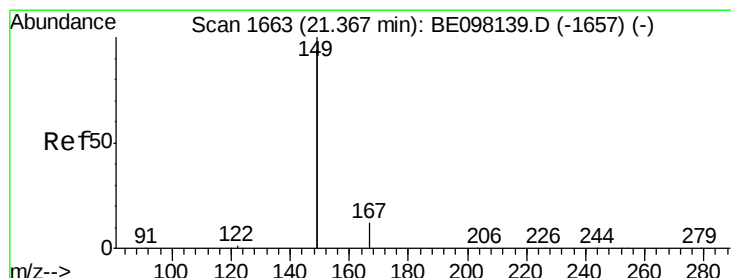
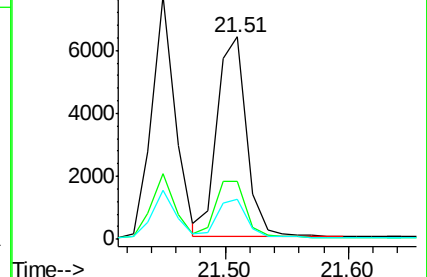
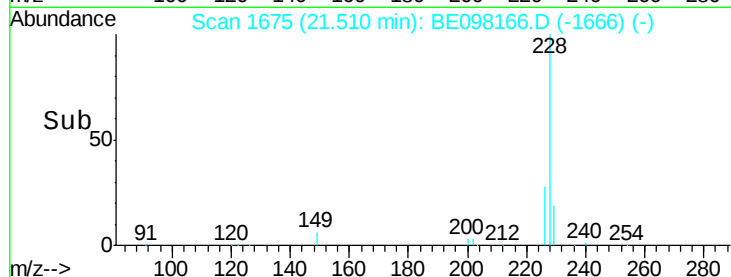
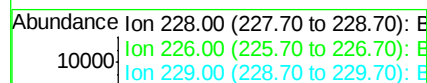
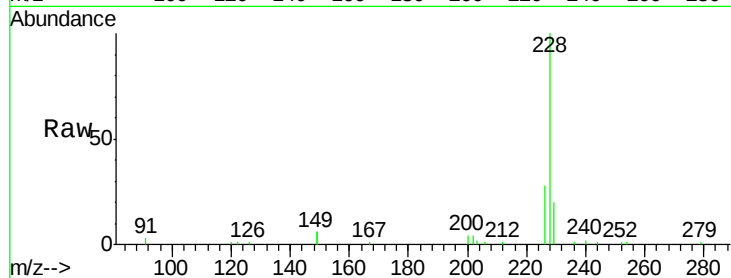
Tgt Ion:228 Resp: 10548

Ion Ratio Lower Upper

228 100

226 28.4 24.3 36.5

229 19.8 17.3 25.9



#32

Bis(2-ethylhexyl)phthalate

Concen: 0.239 ng

RT: 21.38 min Scan# 1664

Delta R.T. 0.01 min

Lab File: BE098166.D

Acq: 7 Nov 2018 10:21

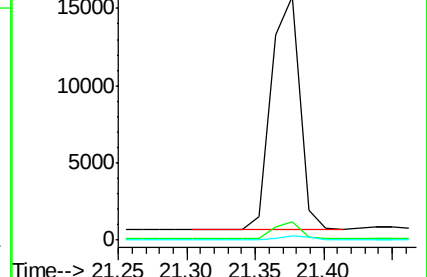
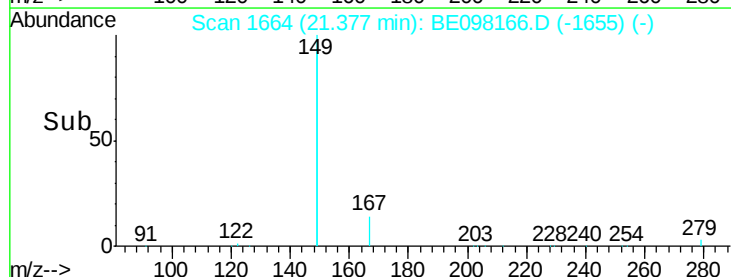
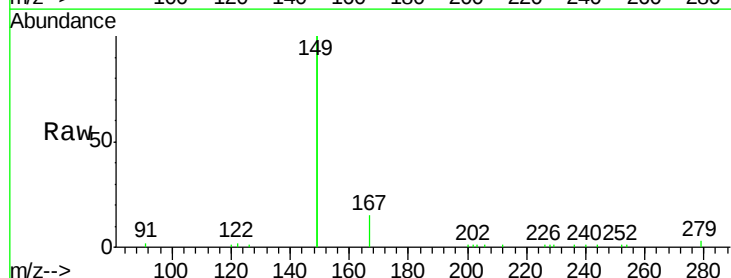
Tgt Ion:149 Resp: 22024

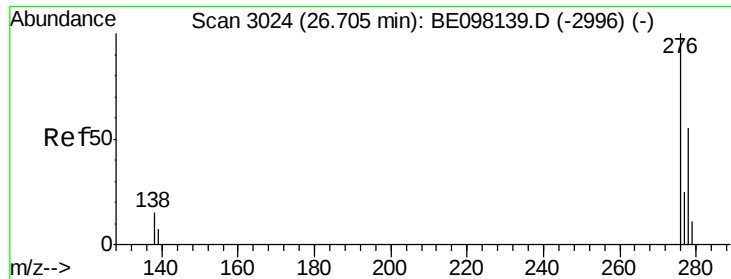
Ion Ratio Lower Upper

149 100

167 7.1 5.6 8.4

279 1.3 0.9 1.3





#33

Indeno(1,2,3-cd)pyrene

Concen: 0.379 ng

RT: 26.71 min Scan# 3025

Delta R.T. 0.00 min

Lab File: BE098166.D

Acq: 7 Nov 2018 10:21

Instrument :

BNA_E

ClientSampleId :

PB114542BS

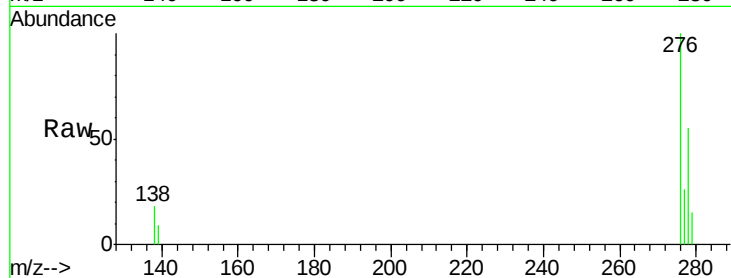
Tgt Ion:276 Resp: 9961

Ion Ratio Lower Upper

276 100

138 17.3 17.0 25.6

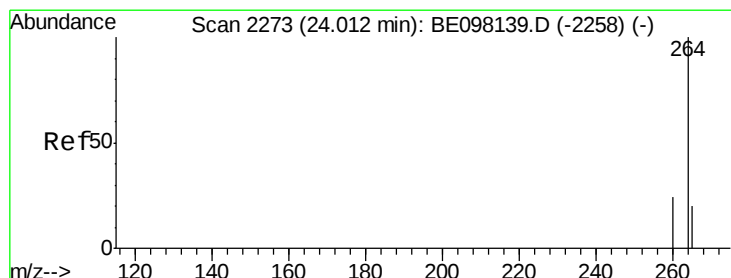
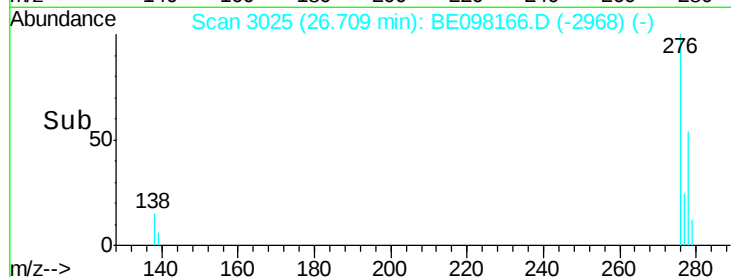
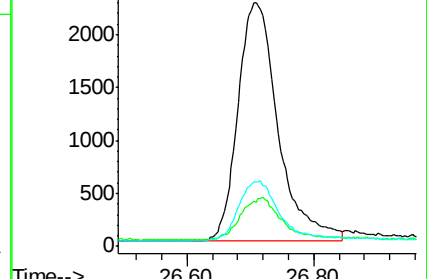
277 24.5 20.5 30.7



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: 24.02 min Scan# 2274

Delta R.T. 0.00 min

Lab File: BE098166.D

Acq: 7 Nov 2018 10:21

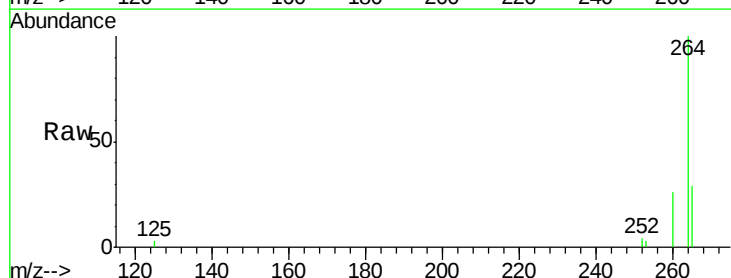
Tgt Ion:264 Resp: 8290

Ion Ratio Lower Upper

264 100

260 25.7 21.1 31.7

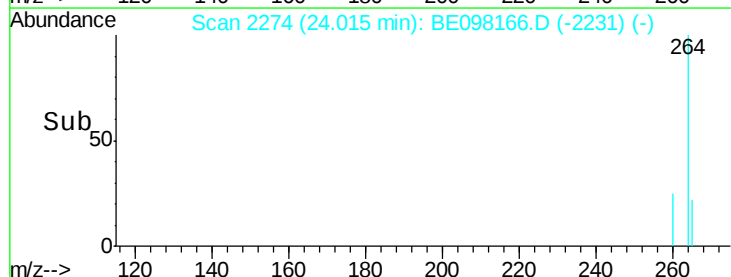
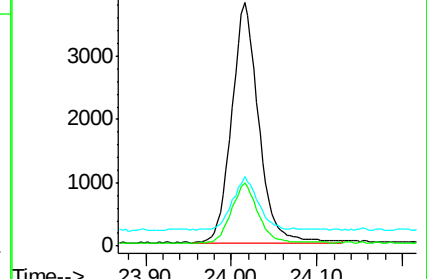
265 28.6 29.2 43.8#

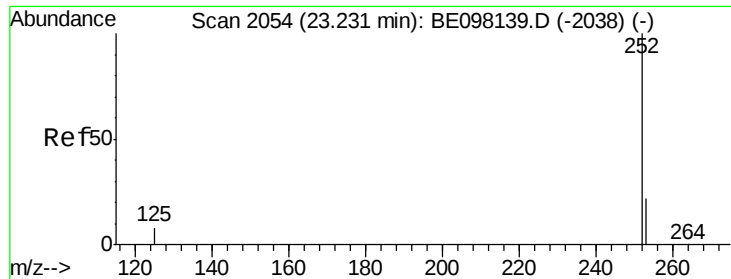


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E





#35

Benzo(b)fluoranthene

Concen: 0.406 ng

RT: 23.23 min Scan# 2054

Delta R.T. 0.00 min

Lab File: BE098166.D

Acq: 7 Nov 2018 10:21

Instrument :

BNA_E

ClientSampleId :

PB114542BS

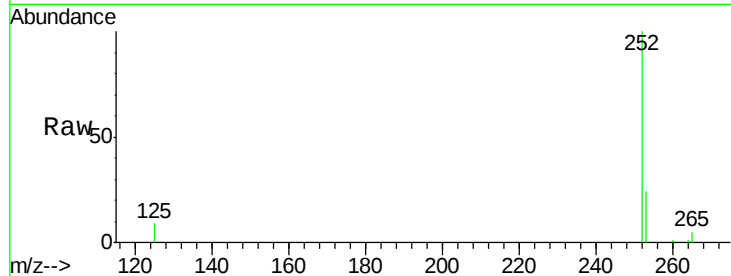
Tgt Ion:252 Resp: 9478

Ion Ratio Lower Upper

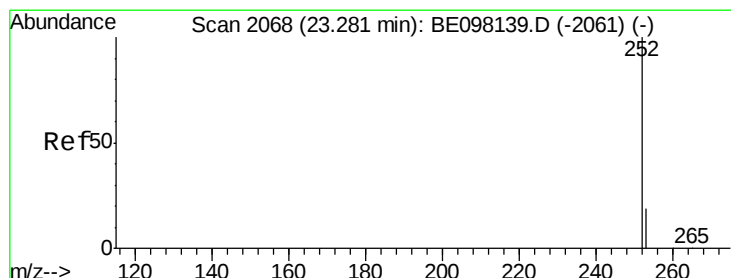
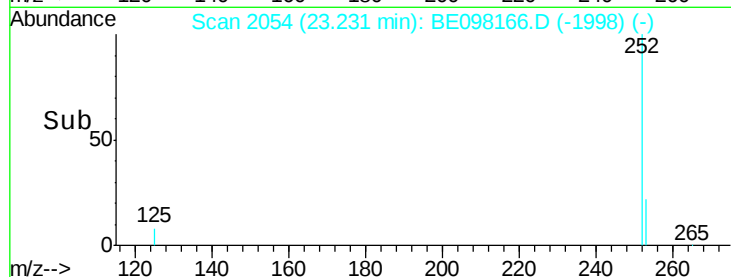
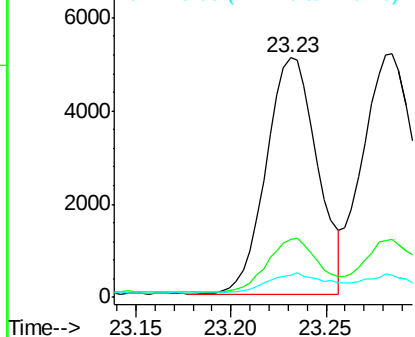
252 100

253 24.0 20.6 31.0

125 9.4 14.3 21.5#



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: 0.422 ng

RT: 23.28 min Scan# 2069

Delta R.T. 0.00 min

Lab File: BE098166.D

Acq: 7 Nov 2018 10:21

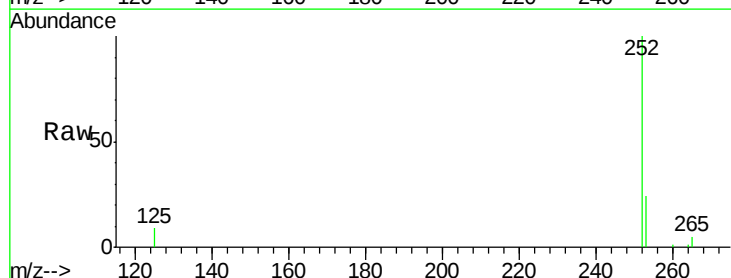
Tgt Ion:252 Resp: 10207

Ion Ratio Lower Upper

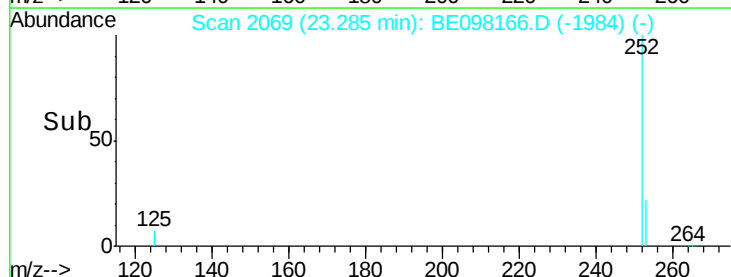
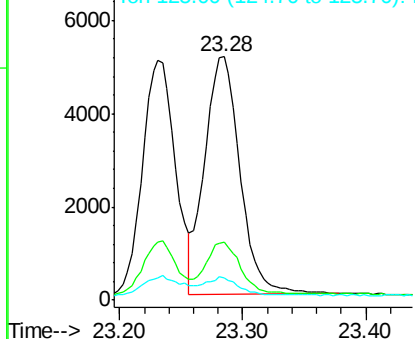
252 100

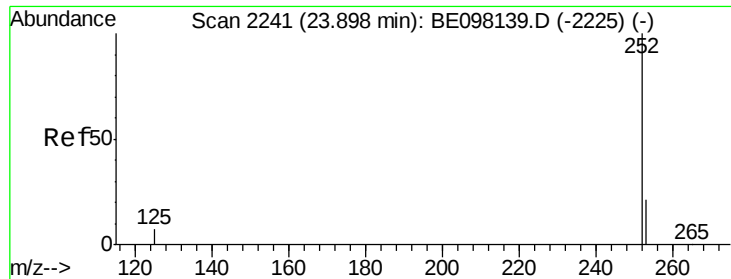
253 23.8 20.4 30.6

125 9.0 14.6 21.8#



Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E





#37

Benzo(a)pyrene

Concen: 0.407 ng

RT: 23.90 min Scan# 2241

Delta R.T. 0.00 min

Lab File: BE098166.D

Acq: 7 Nov 2018 10:21

Instrument :

BNA_E

ClientSampleId :

PB114542BS

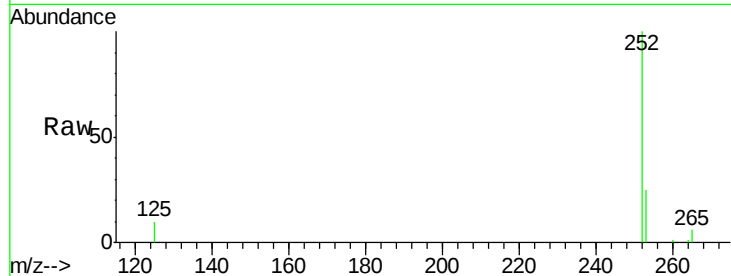
Tgt Ion:252 Resp: 9279

Ion Ratio Lower Upper

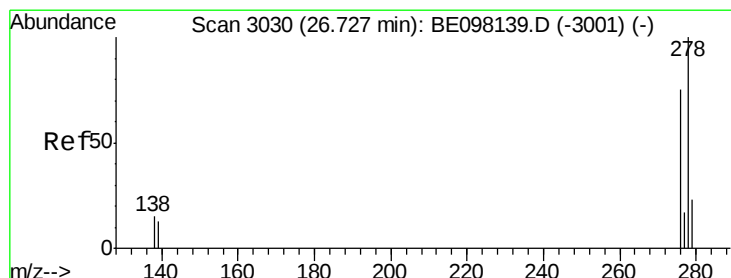
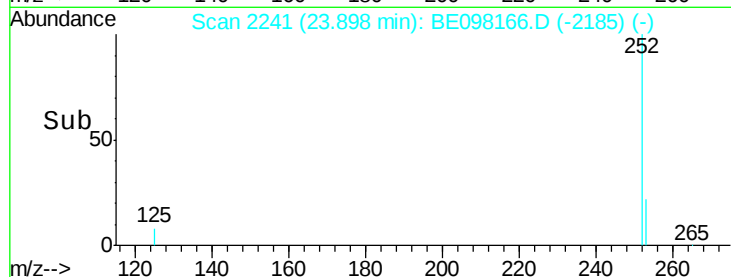
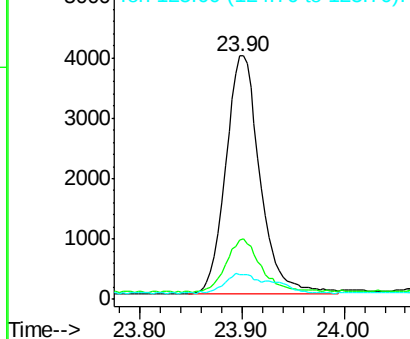
252 100

253 24.6 20.6 31.0

125 10.2 15.6 23.4#



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



#38

Dibenzo(a,h)anthracene

Concen: 0.393 ng

RT: 26.73 min Scan# 3032

Delta R.T. 0.01 min

Lab File: BE098166.D

Acq: 7 Nov 2018 10:21

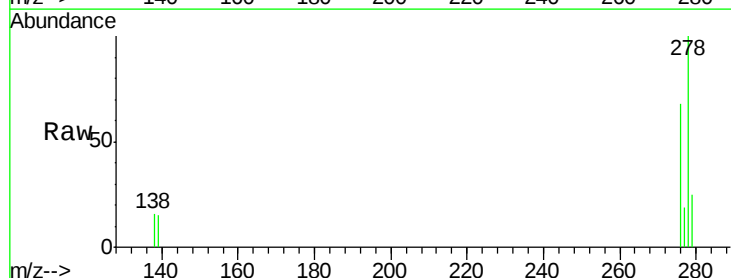
Tgt Ion:278 Resp: 8373

Ion Ratio Lower Upper

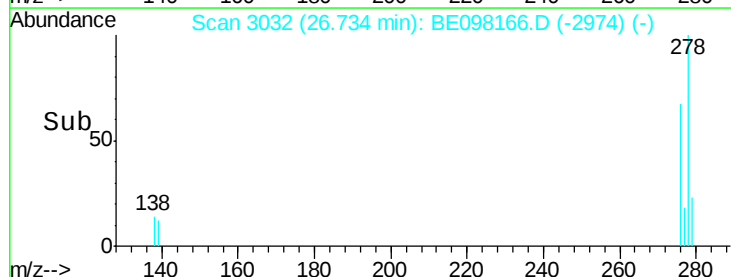
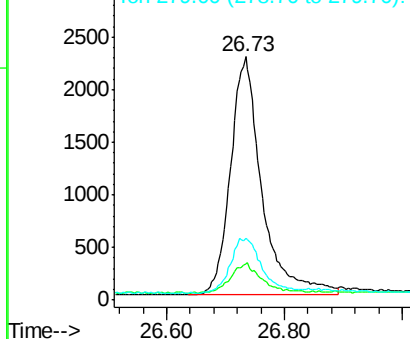
278 100

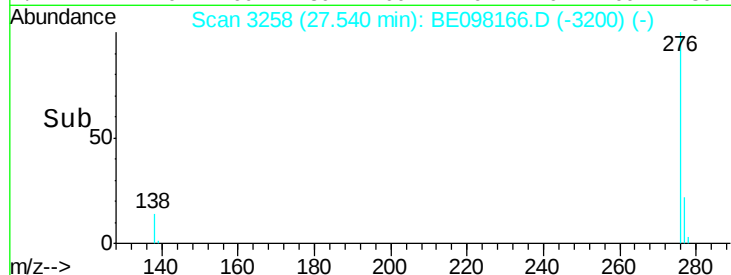
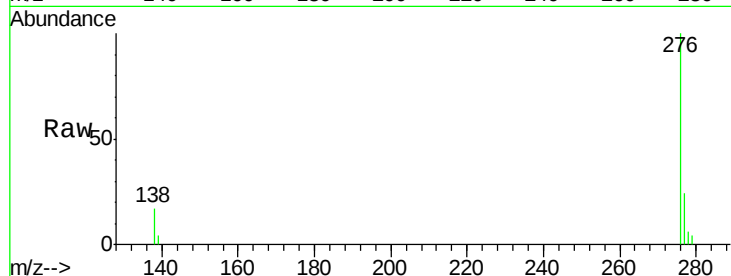
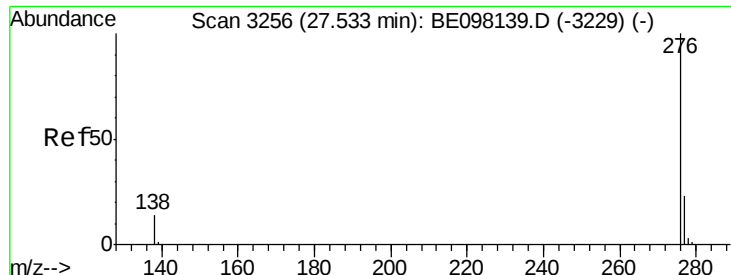
139 15.1 16.3 24.5#

279 25.3 21.4 32.2



Abundance Ion 278.00 (277.70 to 278.70): E
Ion 139.00 (138.70 to 139.70): E
Ion 279.00 (278.70 to 279.70): E





#39

Benzo(g,h,i)perylene

Concen: 0.400 ng

RT: 27.54 min Scan# 3258

Delta R.T. 0.01 min

Lab File: BE098166.D

Acq: 7 Nov 2018 10:21

Instrument :

BNA_E

ClientSampleId :

PB114542BS

Tgt Ion: 276 Resp: 8484

Ion Ratio Lower Upper

276 100

277 23.5 22.1 33.1

138 16.7 19.3 28.9

