

Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE110518\
 Data File : BE098155.D
 Acq On : 5 Nov 2018 11:01
 Operator : SJ/JU
 Sample : PB114428BS
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 PB114428BS

Quant Time: Nov 05 12:12:42 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	7.87	152	969	0.40	ng	0.00
7) Naphthalene-d8	10.67	136	4519	0.40	ng	0.00
13) Acenaphthene-d10	14.53	164	2898	0.40	ng	-0.01
19) Phenanthrene-d10	17.28	188	6939	0.40	ng	0.00
27) Chrysene-d12	21.46	240	8131	0.40	ng	0.00
34) Perylene-d12	24.01	264	8051	0.40	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Fluorophenol	5.45	112	1148	0.40	ng	0.00
5) Phenol-d6	7.04	99	1716	0.36	ng	0.00
8) Nitrobenzene-d5	9.02	82	1779	0.37	ng	-0.01
11) 2-Methylnaphthalene-d10	12.27	152	3297	0.41	ng	0.00
14) 2,4,6-Tribromophenol	16.03	330	434	0.32	ng	0.00
15) 2-Fluorobiphenyl	13.16	172	5028	0.42	ng	0.00
25) Fluoranthene-d10	19.31	212	36032	0.40	ng	0.00
29) Terphenyl-d14	19.91	244	7788	0.41	ng	0.00

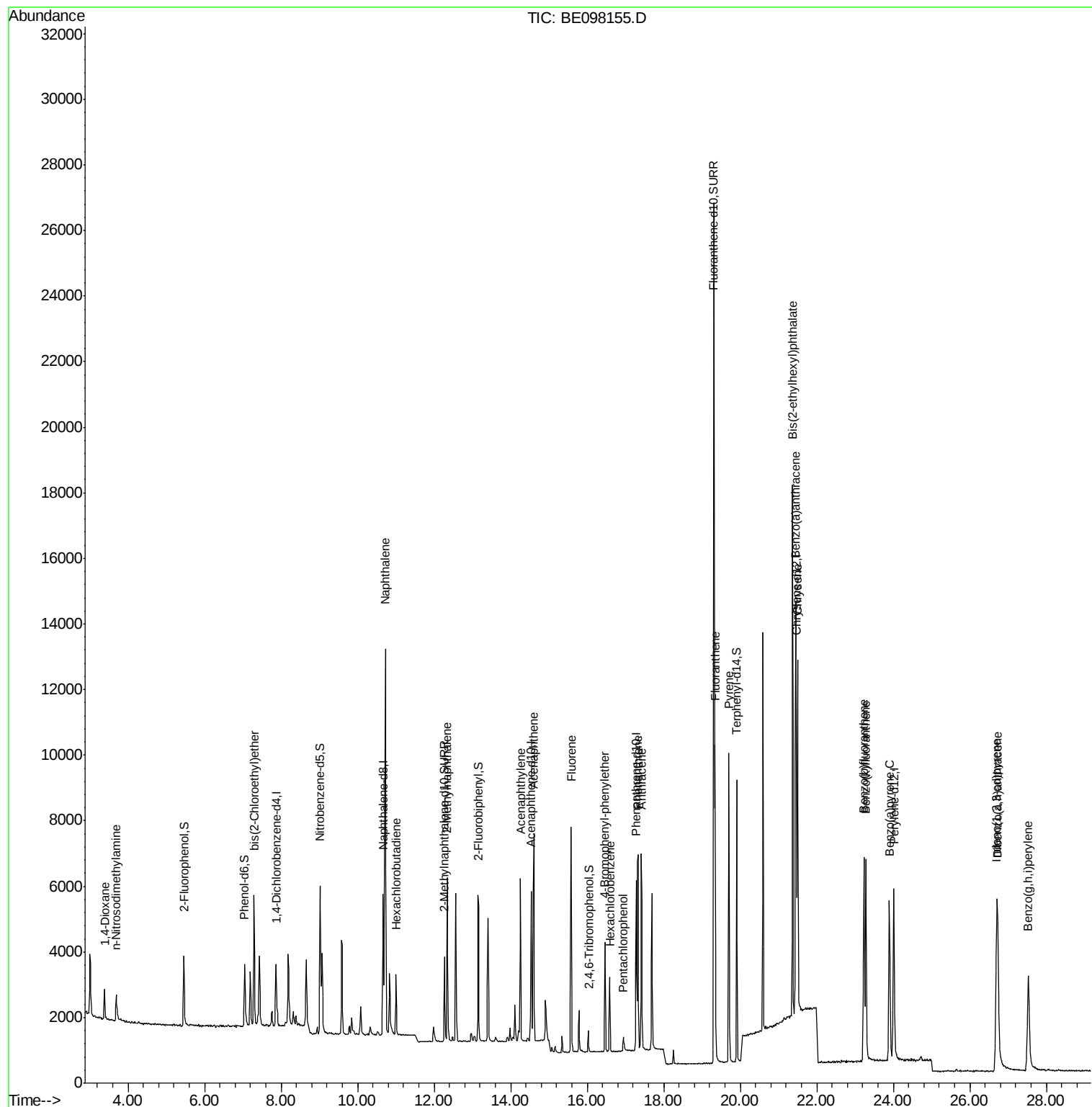
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) 1,4-Dioxane	3.38	88	606	0.419	ng	97
3) n-Nitrosodimethylamine	3.69	42	819	0.424	ng	# 72
6) bis(2-Chloroethyl)ether	7.29	93	1334	0.385	ng	88
9) Naphthalene	10.72	128	18827	0.417	ng	99
10) Hexachlorobutadiene	11.00	225	1256	0.424	ng	97
12) 2-Methylnaphthalene	12.34	142	3320	0.412	ng	93
16) Acenaphthylene	14.26	152	5672	0.429	ng	98
17) Acenaphthene	14.60	154	3451	0.435	ng	99
18) Fluorene	15.58	166	4515	0.429	ng	100
20) 4-Bromophenyl-phenylether	16.46	248	1817	0.429	ng	# 82
21) Hexachlorobenzene	16.59	284	1877	0.424	ng	96
22) Pentachlorophenol	16.94	266	315	0.375	ng	88
23) Phenanthrene	17.33	178	7205	0.419	ng	100
24) Anthracene	17.41	178	6797	0.416	ng	99
26) Fluoranthene	19.34	202	8874	0.412	ng	96
28) Pyrene	19.71	202	9239	0.416	ng	99
30) Benzo(a)anthracene	21.45	228	9584	0.403	ng	98
31) Chrysene	21.50	228	9672	0.411	ng	98
32) Bis(2-ethylhexyl)phthalate	21.37	149	18690	0.205	ng	# 99
33) Indeno(1,2,3-cd)pyrene	26.70	276	9678	0.396	ng	# 94
35) Benzo(b)fluoranthene	23.23	252	8961	0.395	ng	# 90
36) Benzo(k)fluoranthene	23.28	252	9452	0.403	ng	# 89
37) Benzo(a)pyrene	23.90	252	8784	0.397	ng	# 90
38) Dibenzo(a,h)anthracene	26.73	278	7782	0.377	ng	# 92
39) Benzo(g,h,i)perylene	27.53	276	8127	0.395	ng	# 91

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

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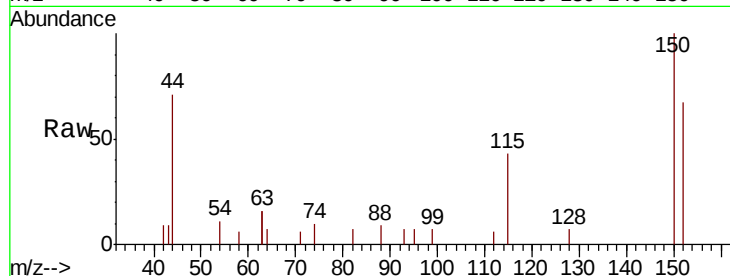


#1

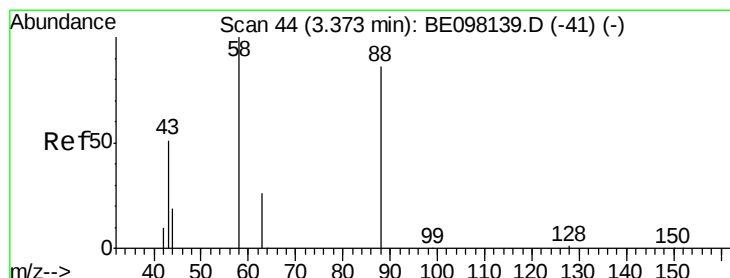
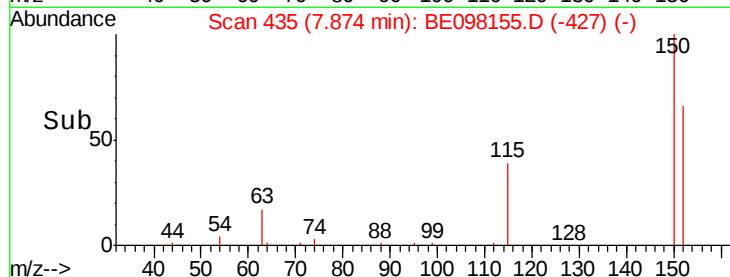
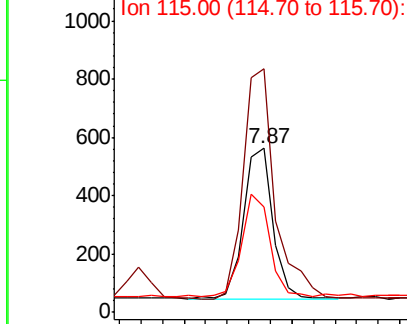
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.87 min Scan# 435
Delta R.T. -0.00 min
Lab File: BE098155.D
Acq: 5 Nov 2018 11:01

Instrument :
BNA_E
ClientSampleId :
PB114428BS

Tot Ion:152 Resp: 969
Ion Ratio Lower Upper
152 100
150 148.6 118.2 177.4
115 64.4 50.9 76.3



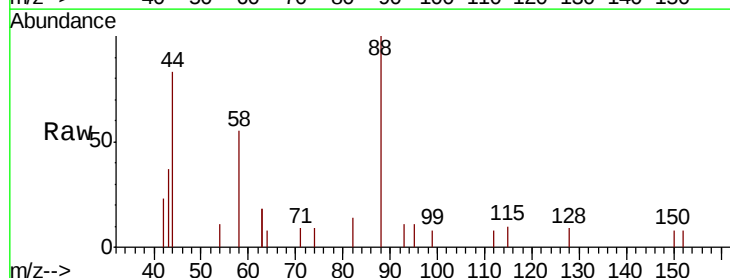
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



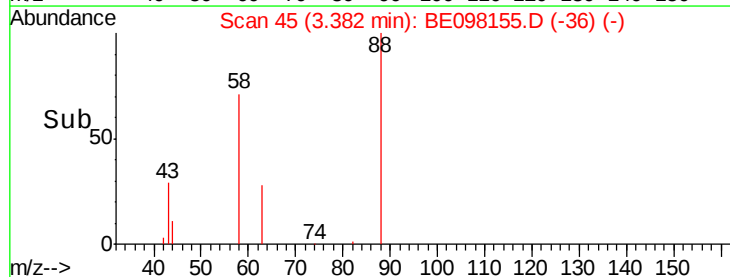
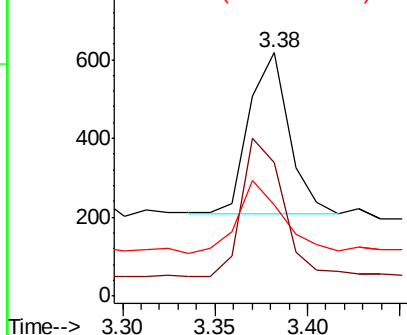
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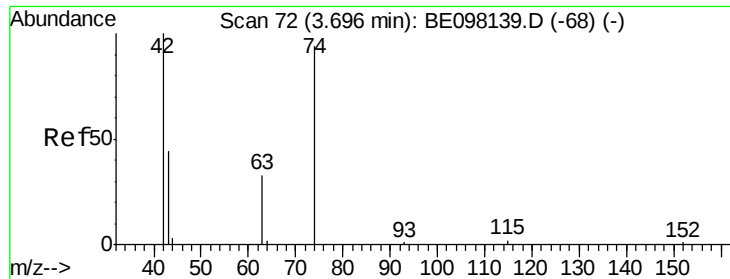
1,4-Dioxane
Concen: 0.419 ng
RT: 3.38 min Scan# 45
Delta R.T. 0.01 min
Lab File: BE098155.D
Acq: 5 Nov 2018 11:01

Tgt Ion: 88 Resp: 606
Ion Ratio Lower Upper
88 100
58 90.8 73.2 109.8
43 51.0 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: 0.424 ng

RT: 3.69 min Scan# 72

Delta R.T. -0.00 min

Lab File: BE098155.D

Acq: 5 Nov 2018 11:01

Instrument :

BNA_E

ClientSampleId :

PB114428BS

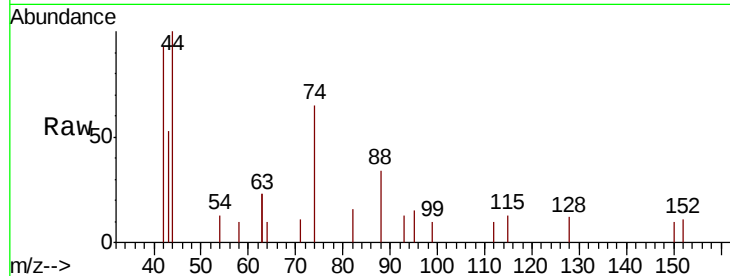
Tot Ion: 42 Resp: 819

Ion Ratio Lower Upper

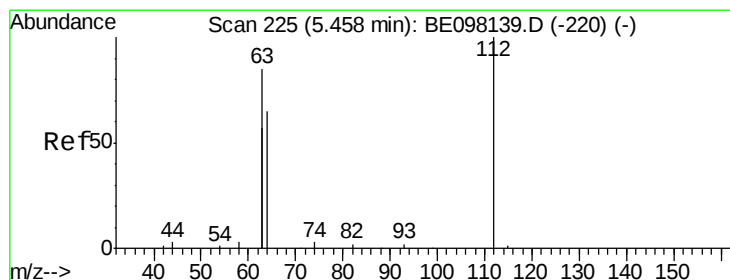
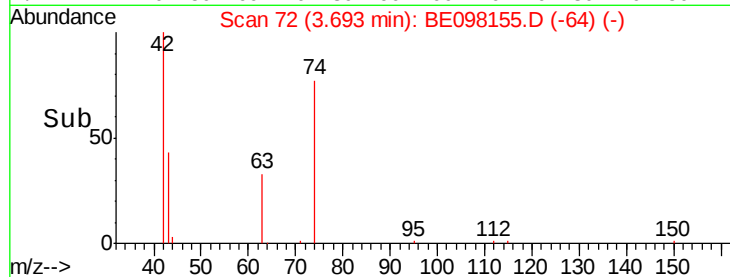
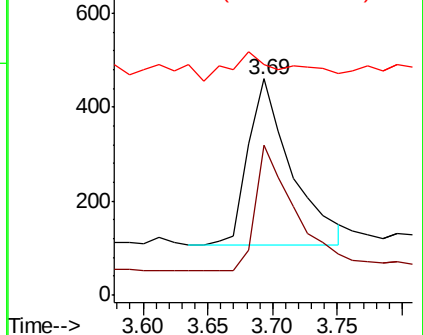
42 100

74 70.1 77.6 116.4#

44 23.6 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: 0.399 ng

RT: 5.45 min Scan# 225

Delta R.T. -0.00 min

Lab File: BE098155.D

Acq: 5 Nov 2018 11:01

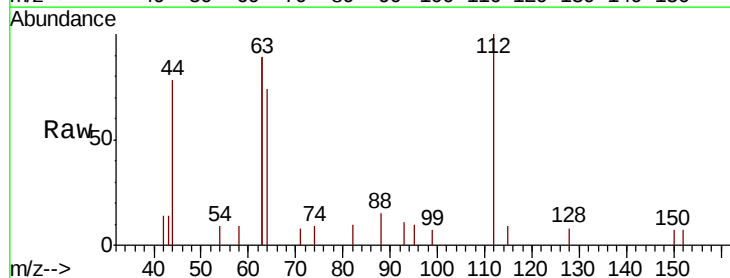
Tgt Ion: 112 Resp: 1148

Ion Ratio Lower Upper

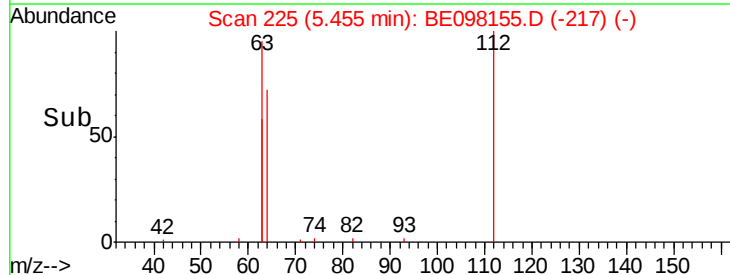
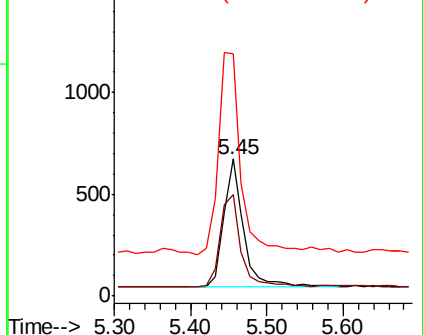
112 100

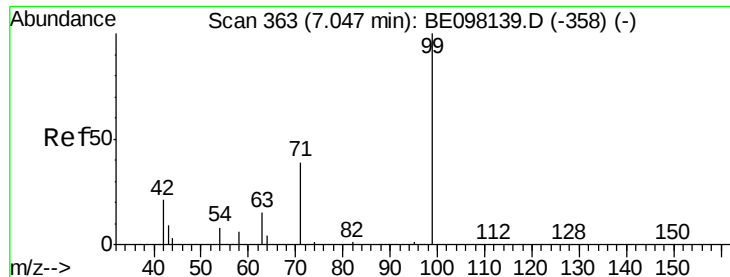
64 75.3 58.9 88.3

63 178.3 120.3 180.5



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: 0.362 ng

RT: 7.04 min Scan# 363

Delta R.T. -0.00 min

Lab File: BE098155.D

Acq: 5 Nov 2018 11:01

Instrument :

BNA_E

ClientSampleId :

PB114428BS

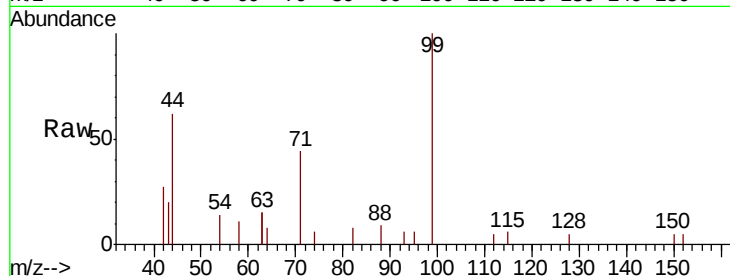
Tot Ion: 99 Resp: 1716

Ion Ratio Lower Upper

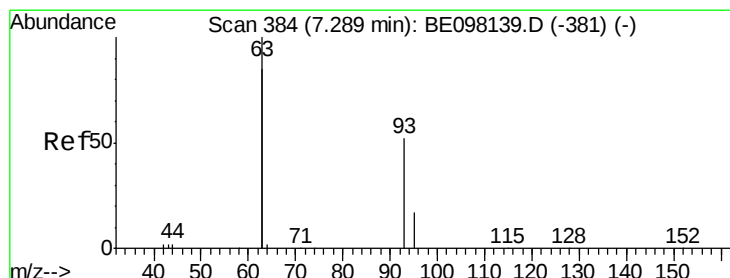
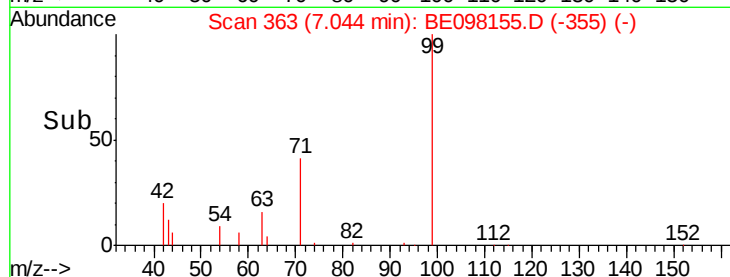
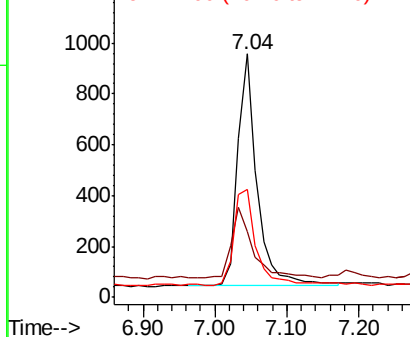
99 100

42 33.8 19.9 29.9#

71 49.0 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: 0.385 ng

RT: 7.29 min Scan# 384

Delta R.T. -0.00 min

Lab File: BE098155.D

Acq: 5 Nov 2018 11:01

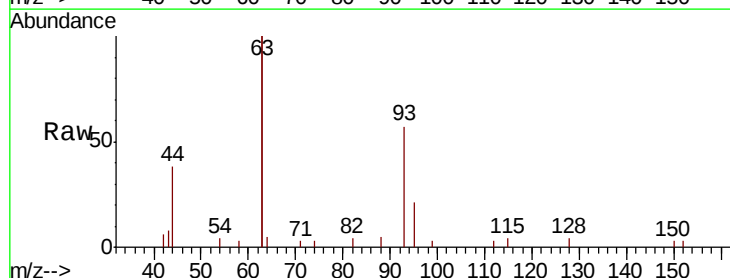
Tgt Ion: 93 Resp: 1334

Ion Ratio Lower Upper

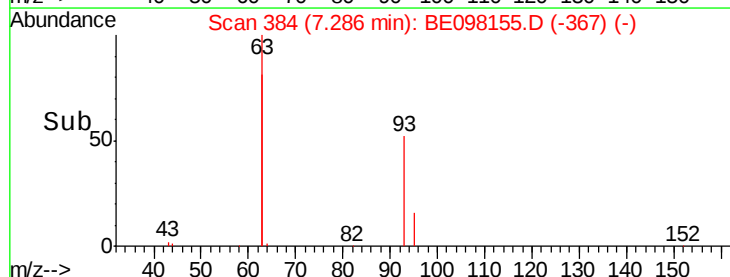
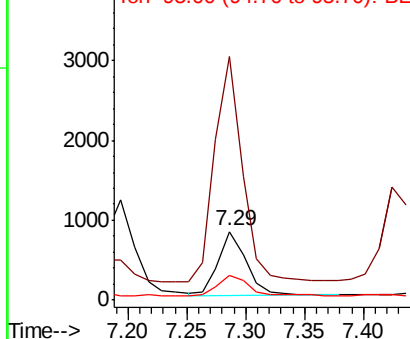
93 100

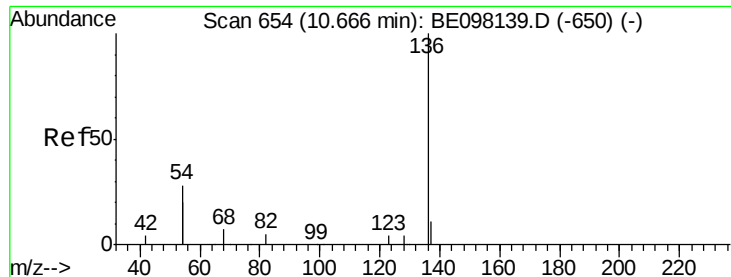
63 349.4 259.0 388.4

95 33.2 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: BE098155.D

Acq: 5 Nov 2018 11:01

Instrument :

BNA_E

ClientSampleId :

PB114428BS

Tot Ion:136 Resp: 4519

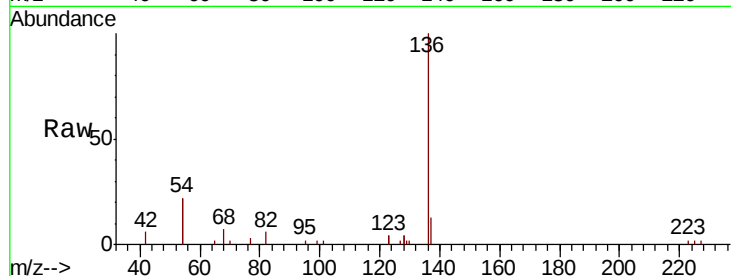
Ion Ratio Lower Upper

136 100

137 12.6 9.6 14.4

54 44.7 27.7 41.5#

68 7.4 5.3 7.9

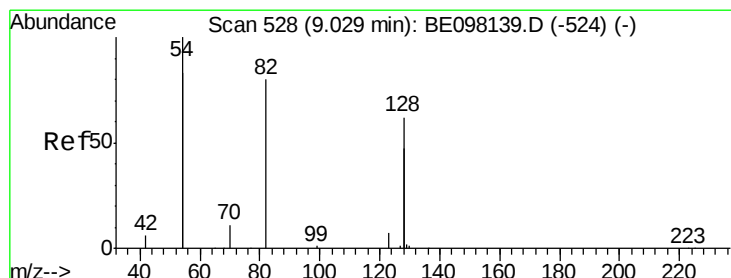
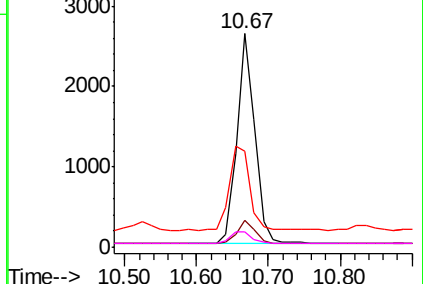
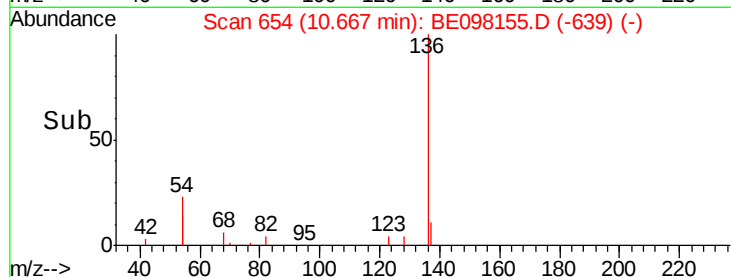


Abundance Ion 136.00 (135.70 to 136.70): E

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: 0.367 ng

RT: 9.02 min Scan# 527

Delta R.T. -0.01 min

Lab File: BE098155.D

Acq: 5 Nov 2018 11:01

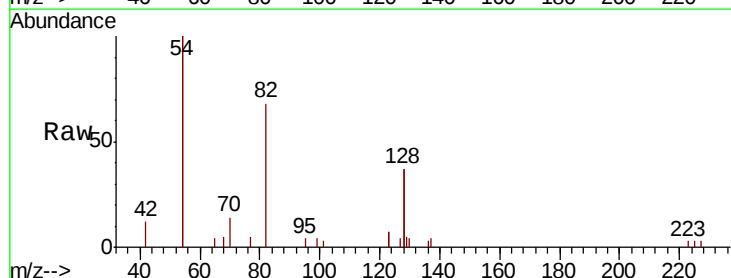
Tgt Ion: 82 Resp: 1779

Ion Ratio Lower Upper

82 100

128 110.4 129.9 194.9#

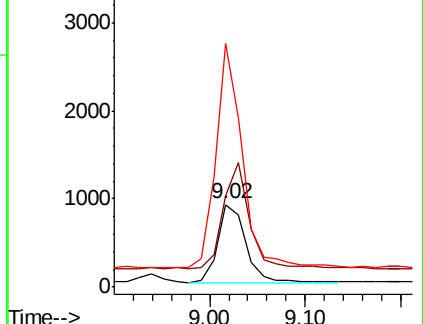
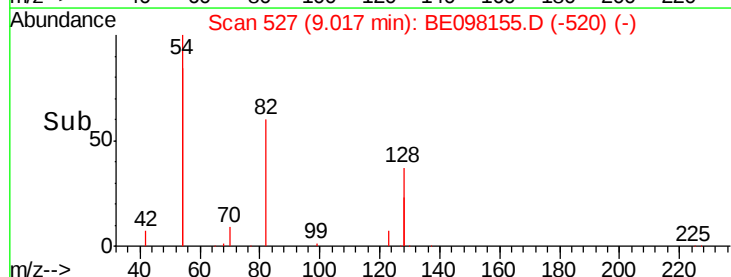
54 294.8 174.0 261.0#

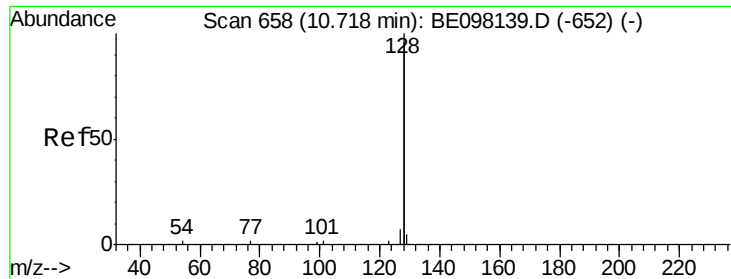


Abundance Ion 82.00 (81.70 to 82.70): BE0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BE0





#9

Naphthalene

Concen: 0.417 ng

RT: 10.72 min Scan# 658

Delta R.T. 0.00 min

Lab File: BE098155.D

Acq: 5 Nov 2018 11:01

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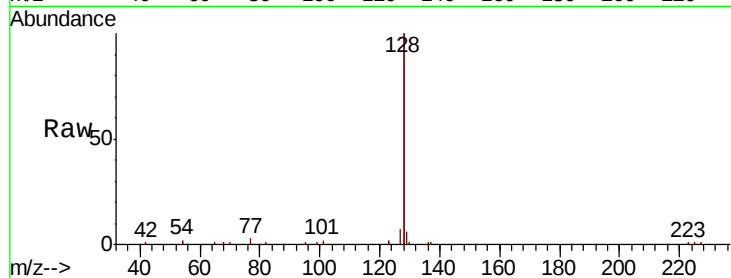
Tot Ion:128 Resp: 18827

Ion Ratio Lower Upper

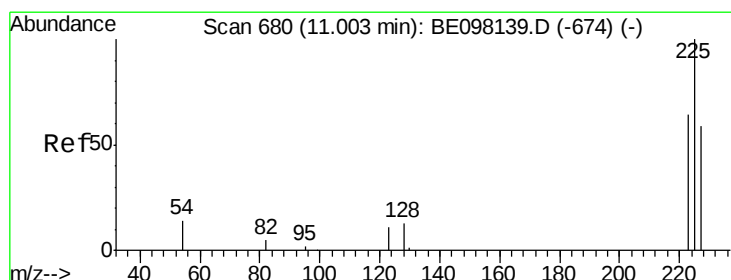
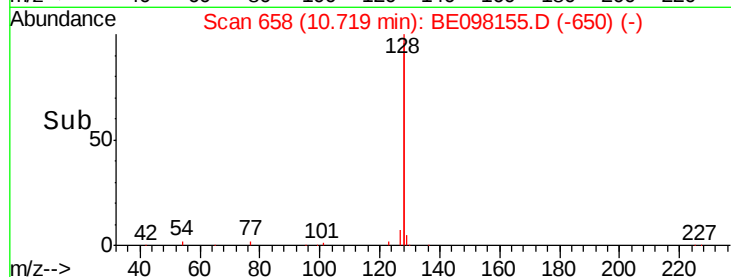
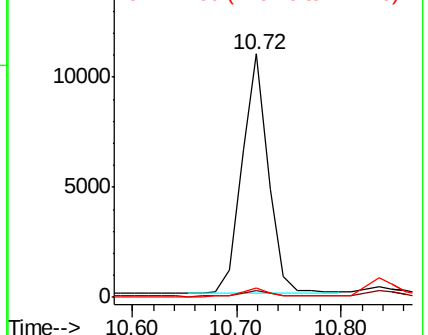
128 100

129 2.9 2.5 3.7

127 3.7 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: 0.424 ng

RT: 11.00 min Scan# 680

Delta R.T. 0.00 min

Lab File: BE098155.D

Acq: 5 Nov 2018 11:01

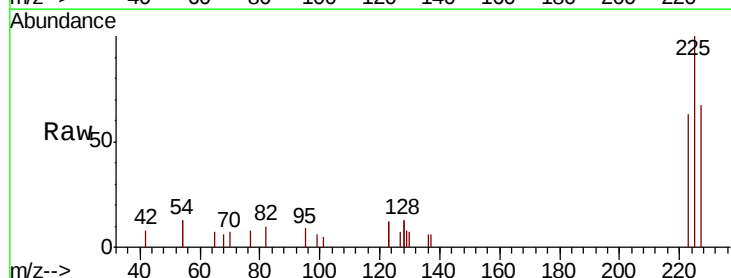
Tgt Ion:225 Resp: 1256

Ion Ratio Lower Upper

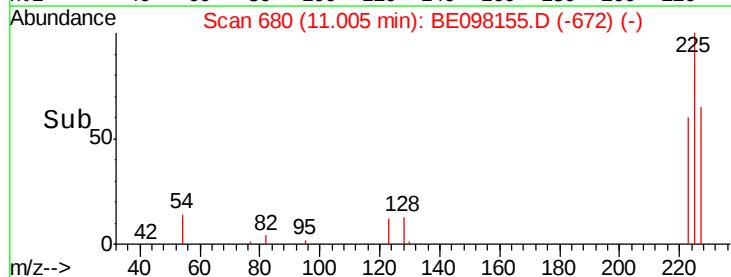
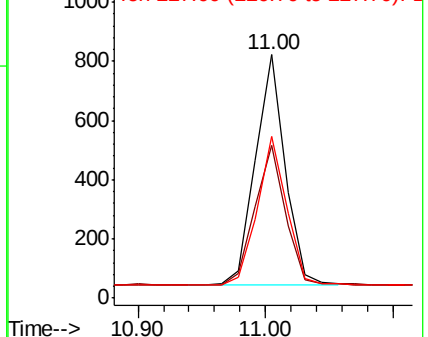
225 100

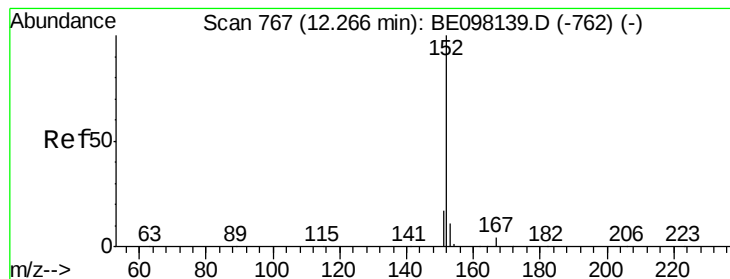
223 62.3 51.8 77.8

227 63.7 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: 0.414 ng

RT: 12.27 min Scan# 767

Delta R.T. 0.00 min

Lab File: BE098155.D

Acq: 5 Nov 2018 11:01

Instrument :

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ClientSampleId :

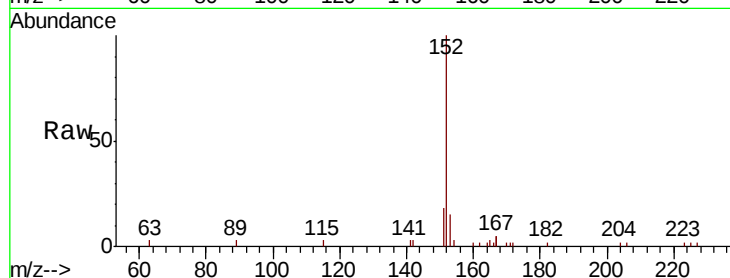
PB114428BS

Tot Ion:152 Resp: 3297

Ion Ratio Lower Upper

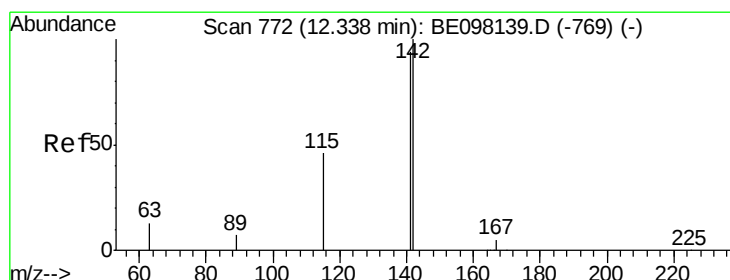
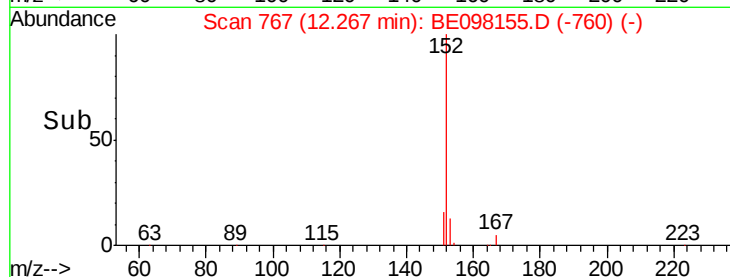
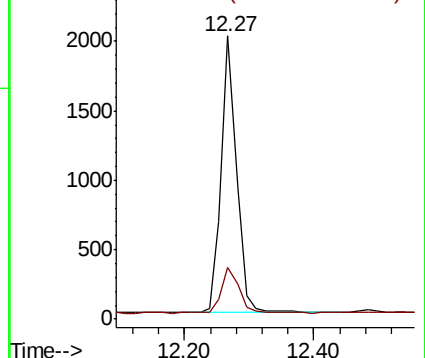
152 100

151 18.1 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: 0.412 ng

RT: 12.34 min Scan# 772

Delta R.T. 0.00 min

Lab File: BE098155.D

Acq: 5 Nov 2018 11:01

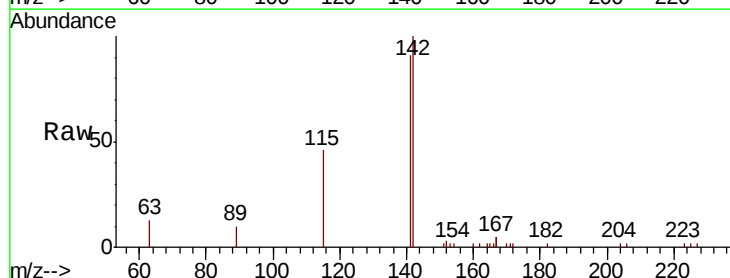
Tgt Ion:142 Resp: 3320

Ion Ratio Lower Upper

142 100

141 91.1 69.8 104.6

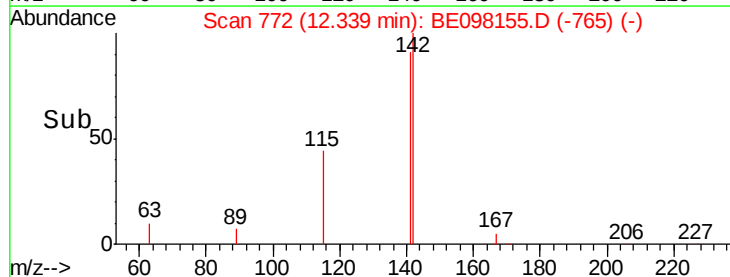
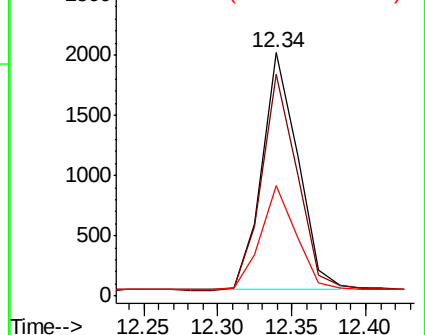
115 45.6 30.5 45.7

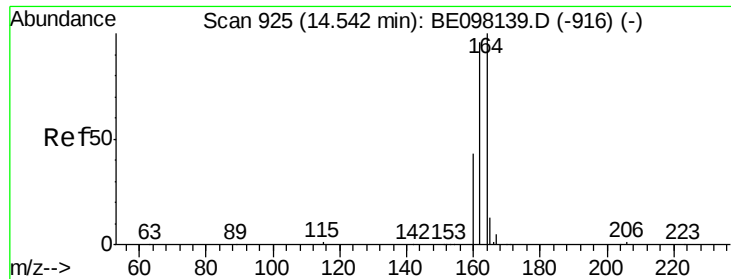


Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 115.00 (114.70 to 115.70): E

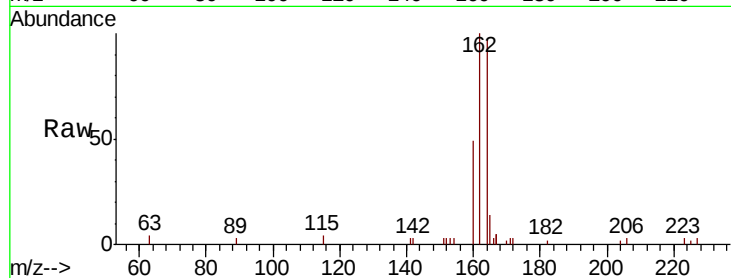




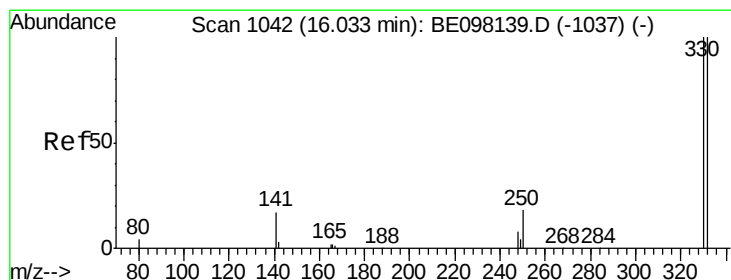
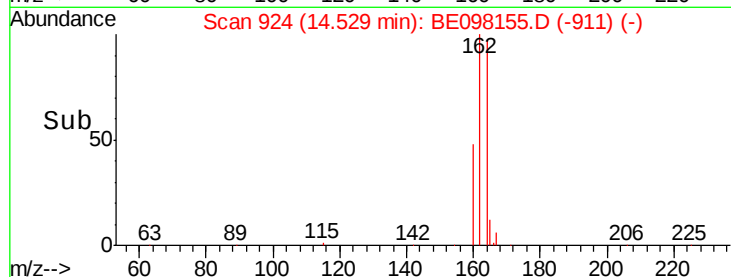
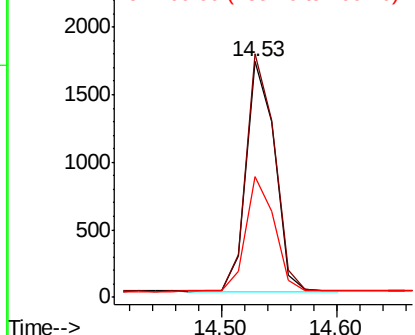
#13
 Acenaphthene-d10
 Concen: 0.400 ng
 RT: 14.53 min Scan# 924
 Delta R.T. -0.01 min
 Lab File: BE098155.D
 Acq: 5 Nov 2018 11:01

Instrument :
 BNA_E
 ClientSampleId :
 PB114428BS

Tot Ion:164 Resp: 2898
 Ion Ratio Lower Upper
 164 100
 162 103.4 77.4 116.2
 160 51.1 36.5 54.7

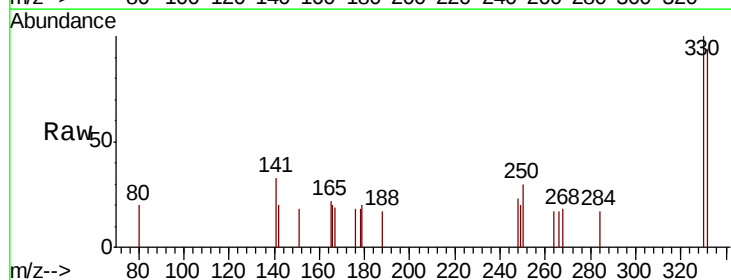


Abundance Ion 164.00 (163.70 to 164.70): E
 Ion 162.00 (161.70 to 162.70): E
 Ion 160.00 (159.70 to 160.70): E

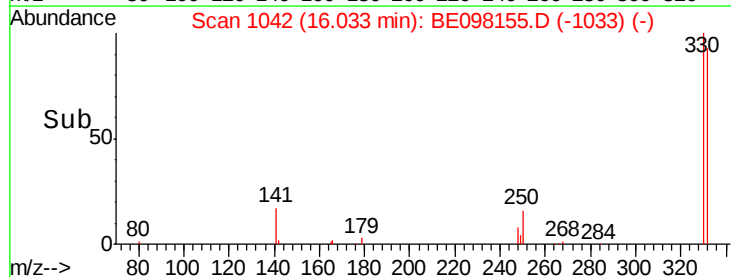
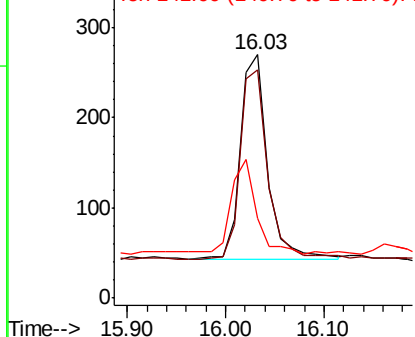


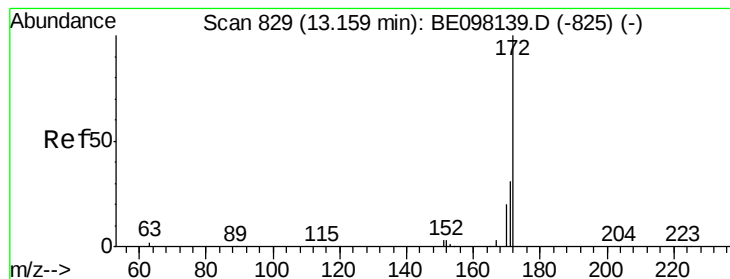
#14
 2,4,6-Tribromophenol
 Concen: 0.316 ng
 RT: 16.03 min Scan# 1042
 Delta R.T. -0.00 min
 Lab File: BE098155.D
 Acq: 5 Nov 2018 11:01

Tgt Ion:330 Resp: 434
 Ion Ratio Lower Upper
 330 100
 332 92.6 76.5 114.7
 141 41.2 31.8 47.6



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

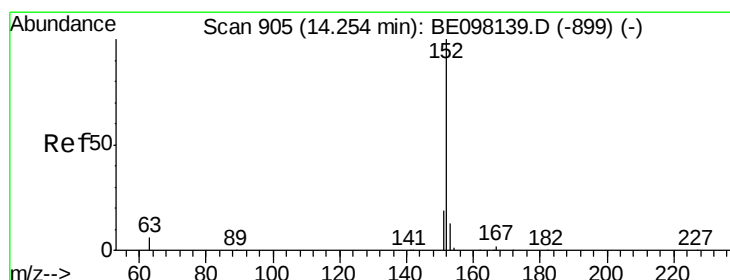
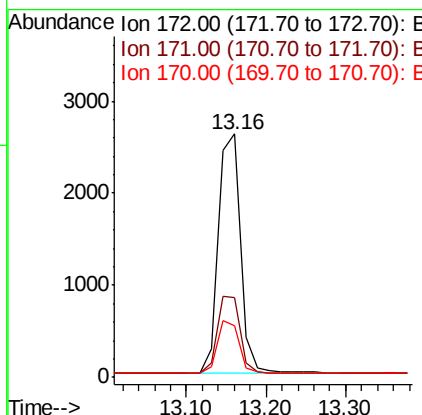
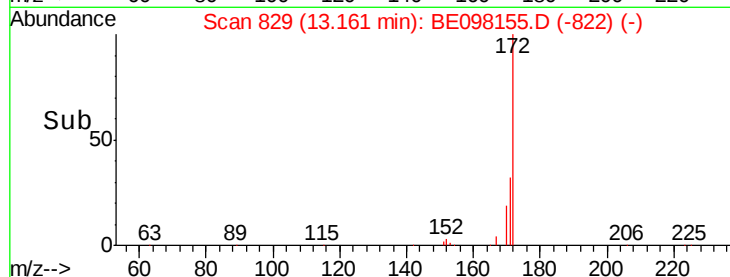
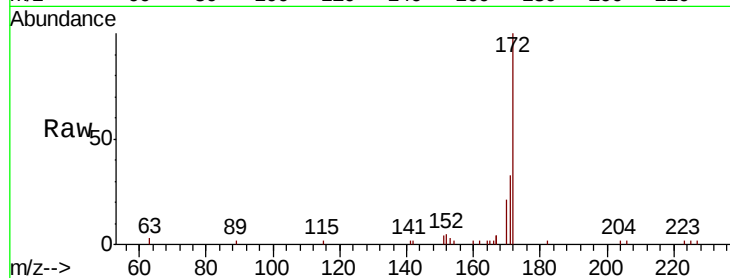




#15
2-Fluorobiphenyl
Concen: 0.422 ng
RT: 13.16 min Scan# 829
Delta R.T. 0.00 min
Lab File: BE098155.D
Acq: 5 Nov 2018 11:01

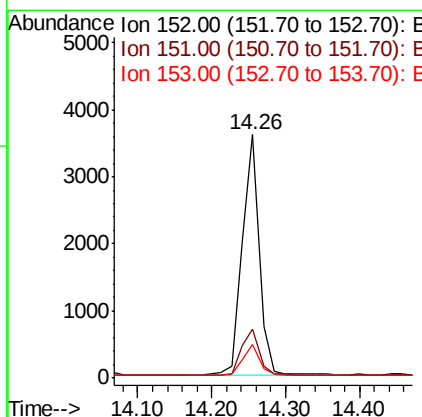
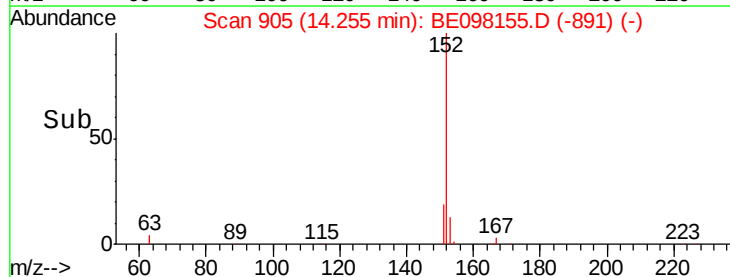
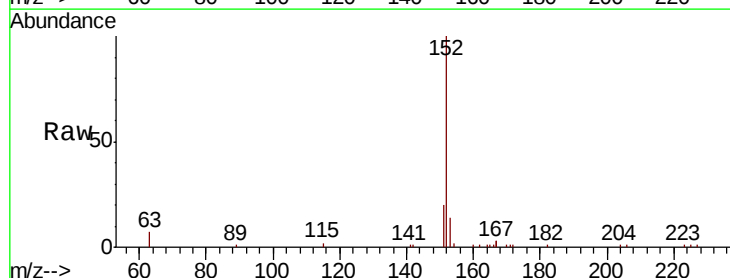
Instrument :
BNA_E
ClientSampleId :
PB114428BS

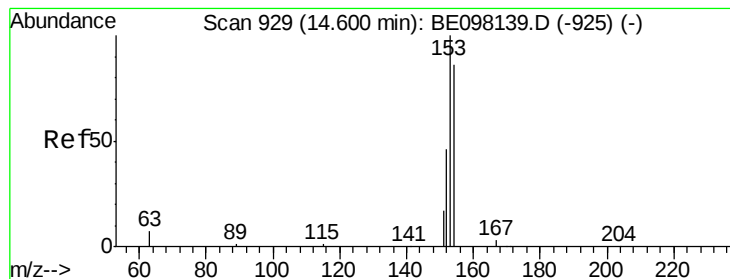
Tot Ion:172 Resp: 5028
Ion Ratio Lower Upper
172 100
171 32.9 26.0 39.0
170 21.0 18.0 27.0



#16
Acenaphthylene
Concen: 0.429 ng
RT: 14.26 min Scan# 905
Delta R.T. 0.00 min
Lab File: BE098155.D
Acq: 5 Nov 2018 11:01

Tgt Ion:152 Resp: 5672
Ion Ratio Lower Upper
152 100
151 20.3 16.1 24.1
153 12.4 10.9 16.3





#17

Acenaphthene

Concen: 0.435 ng

RT: 14.60 min Scan# 929

Delta R.T. 0.00 min

Lab File: BE098155.D

Acq: 5 Nov 2018 11:01

Instrument :

BNA_E

ClientSampleId :

PB114428BS

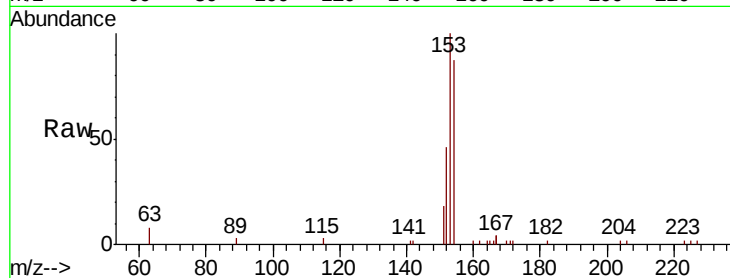
Tot Ion:154 Resp: 3451

Ion Ratio Lower Upper

154 100

153 116.6 92.6 139.0

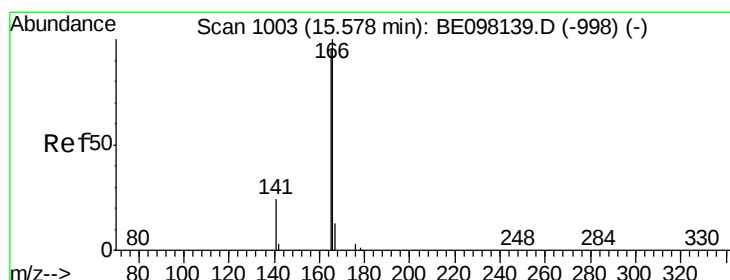
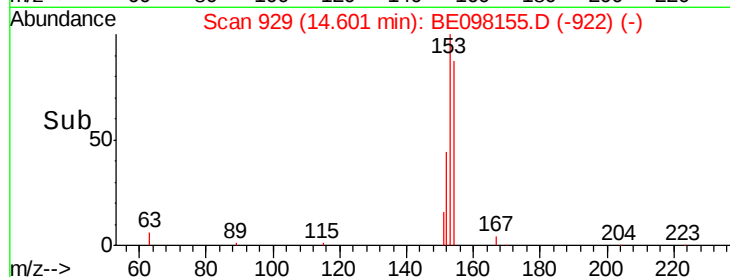
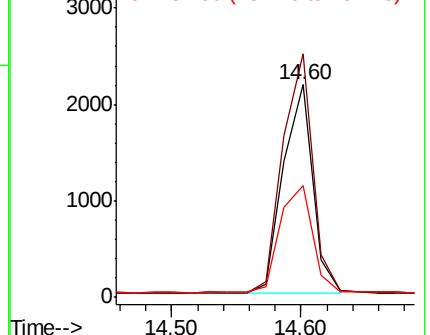
152 56.2 45.5 68.3



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: 0.429 ng

RT: 15.58 min Scan# 1003

Delta R.T. -0.00 min

Lab File: BE098155.D

Acq: 5 Nov 2018 11:01

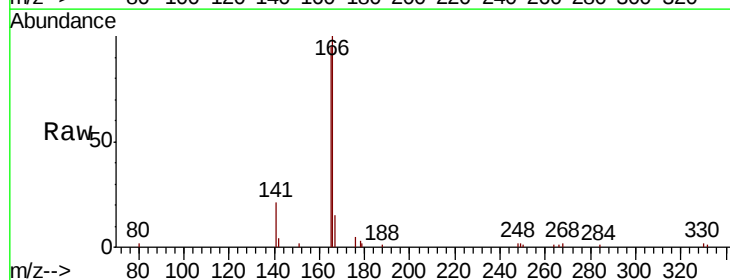
Tgt Ion:166 Resp: 4515

Ion Ratio Lower Upper

166 100

165 97.9 78.2 117.4

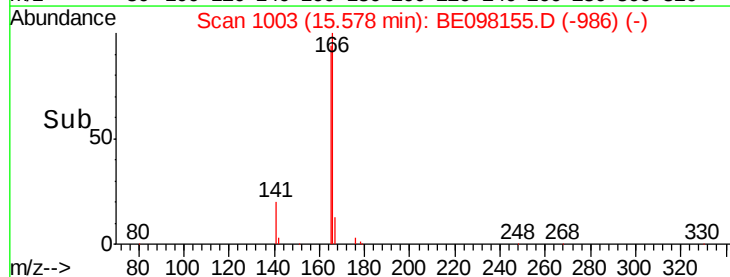
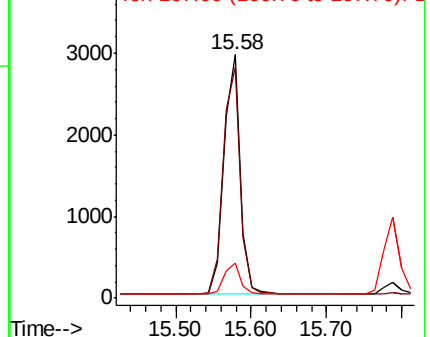
167 13.4 11.0 16.6

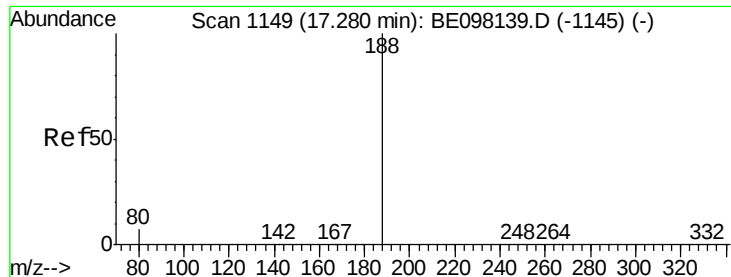


Abundance Ion 166.00 (165.70 to 166.70): E

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: BE098155.D

Acq: 5 Nov 2018 11:01

Instrument :

BNA_E

ClientSampleId :

PB114428BS

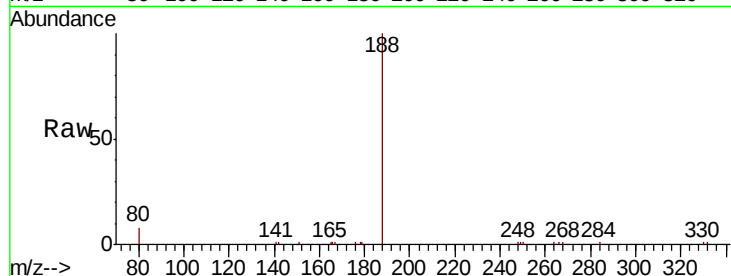
Tot Ion:188 Resp: 6939

Ion Ratio Lower Upper

188 100

94 0.0 0.0 0.0

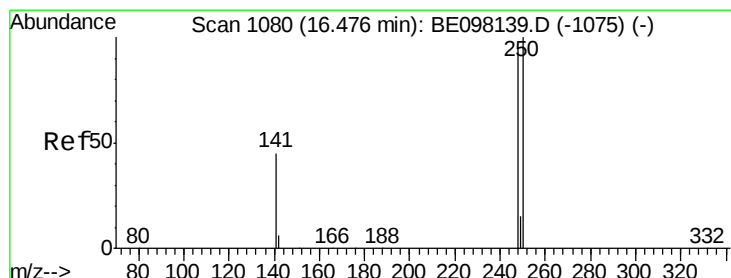
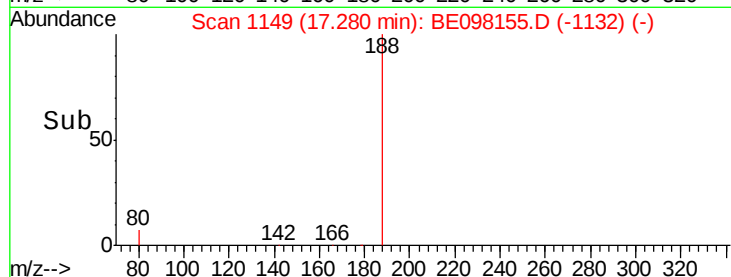
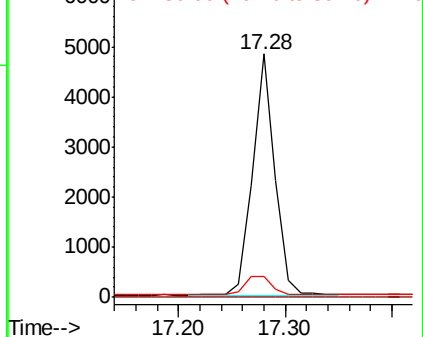
80 8.5 6.3 9.5



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: 0.429 ng

RT: 16.46 min Scan# 1079

Delta R.T. -0.01 min

Lab File: BE098155.D

Acq: 5 Nov 2018 11:01

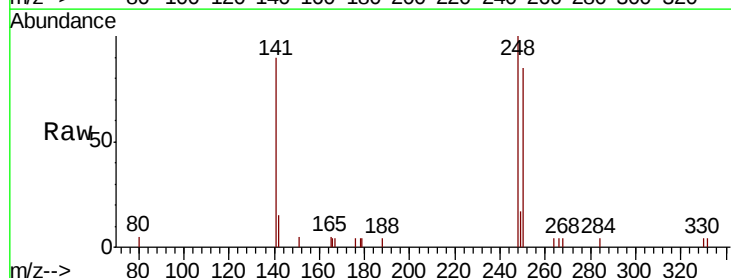
Tgt Ion:248 Resp: 1817

Ion Ratio Lower Upper

248 100

250 85.2 75.1 112.7

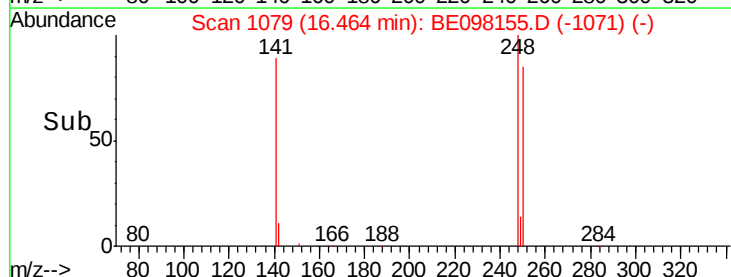
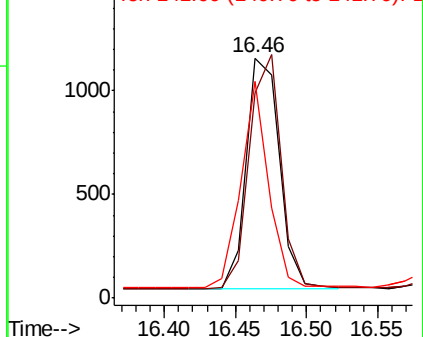
141 90.0 51.8 77.8#

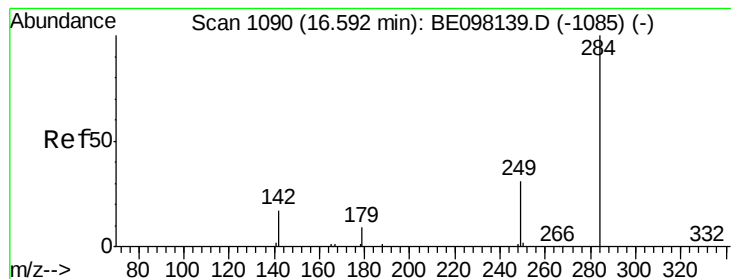


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E





#21

Hexachlorobenzene

Concen: 0.424 ng

RT: 16.59 min Scan# 1090

Delta R.T. -0.00 min

Lab File: BE098155.D

Acq: 5 Nov 2018 11:01

Instrument :

BNA_E

ClientSampleId :

PB114428BS

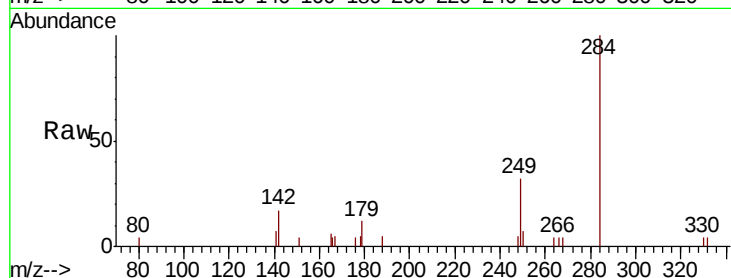
Tot Ion:284 Resp: 1877

Ion Ratio Lower Upper

284 100

142 33.8 25.9 38.9

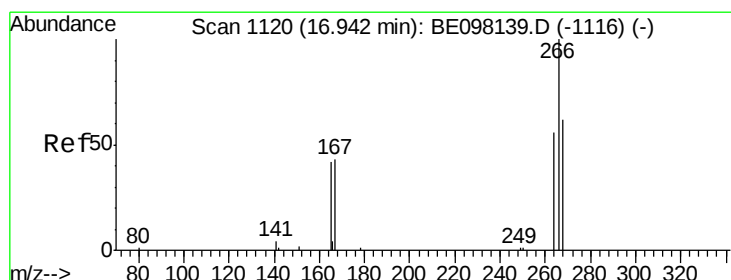
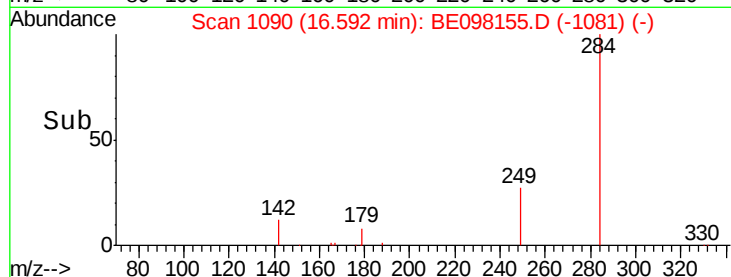
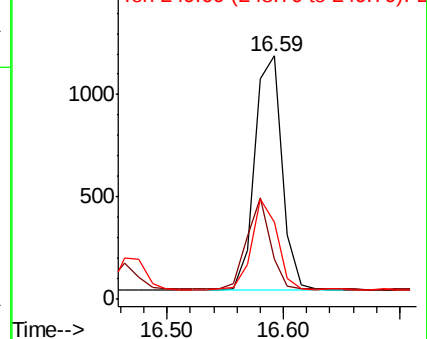
249 36.5 26.6 40.0



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: 0.375 ng

RT: 16.94 min Scan# 1120

Delta R.T. 0.00 min

Lab File: BE098155.D

Acq: 5 Nov 2018 11:01

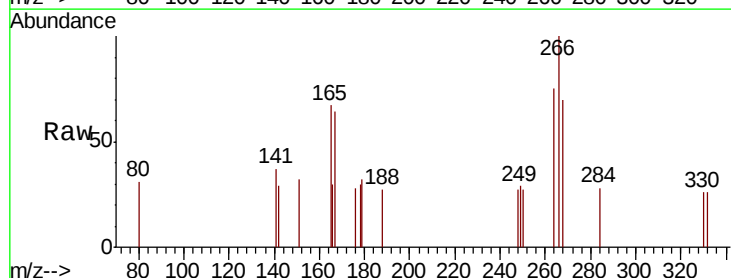
Tgt Ion:266 Resp: 315

Ion Ratio Lower Upper

266 100

264 74.9 51.3 76.9

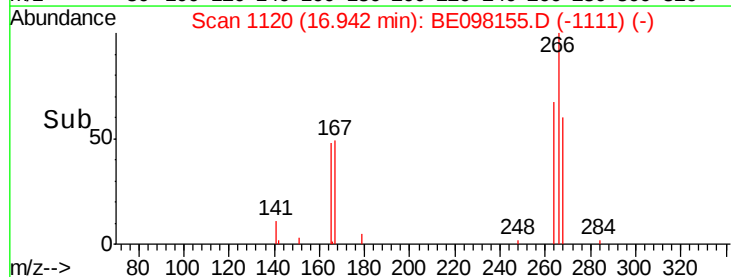
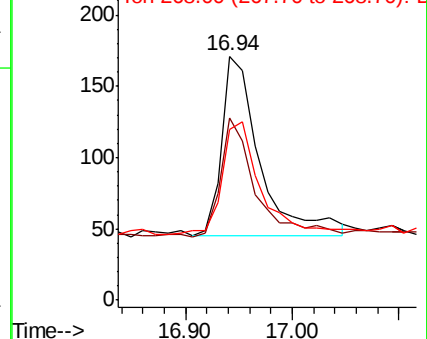
268 70.2 50.1 75.1

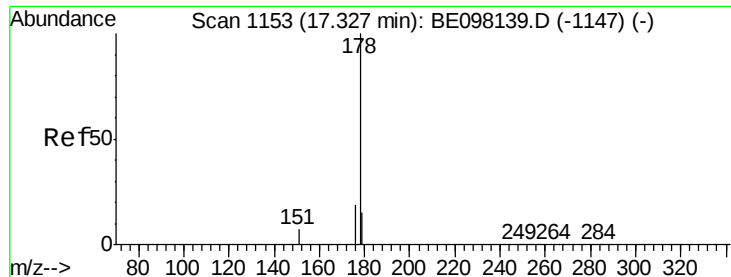


Abundance Ion 266.00 (265.70 to 266.70): E

Ion 264.00 (263.70 to 264.70): E

Ion 268.00 (267.70 to 268.70): E





#23

Phenanthrene

Concen: 0.419 ng

RT: 17.33 min Scan# 1153

Delta R.T. -0.00 min

Lab File: BE098155.D

Acq: 5 Nov 2018 11:01

Instrument :

BNA_E

ClientSampleId :

PB114428BS

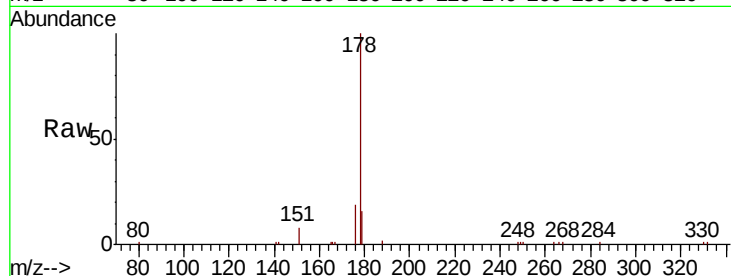
Tot Ion:178 Resp: 7205

Ion Ratio Lower Upper

178 100

176 19.1 15.5 23.3

179 15.1 12.2 18.4

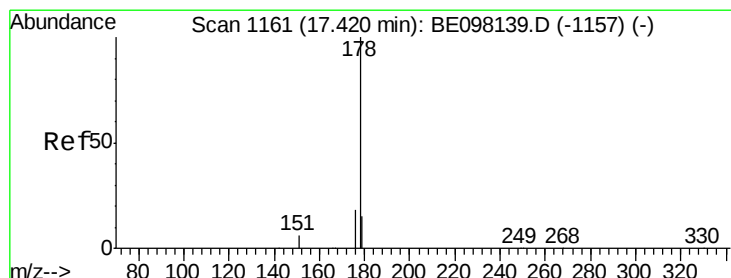
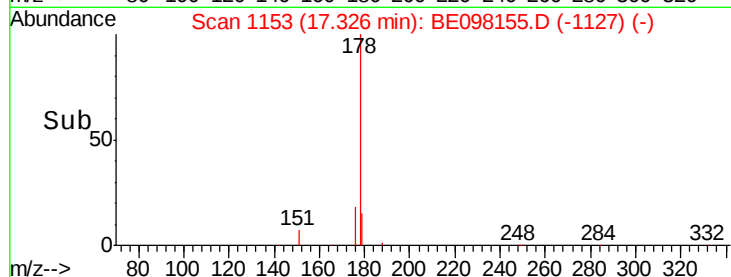
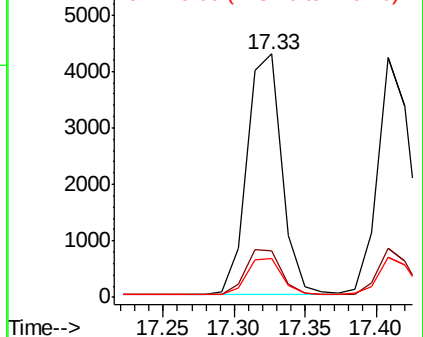


Abundance

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: 0.416 ng

RT: 17.41 min Scan# 1160

Delta R.T. -0.01 min

Lab File: BE098155.D

Acq: 5 Nov 2018 11:01

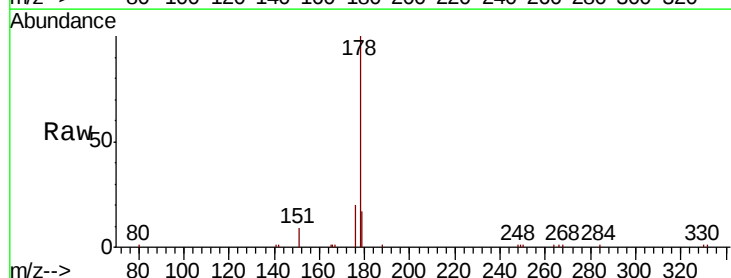
Tgt Ion:178 Resp: 6797

Ion Ratio Lower Upper

178 100

176 18.7 14.9 22.3

179 15.5 11.9 17.9

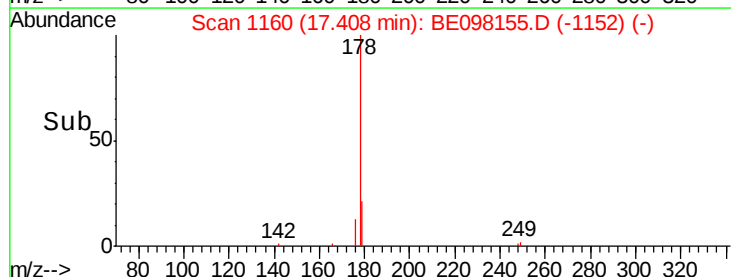
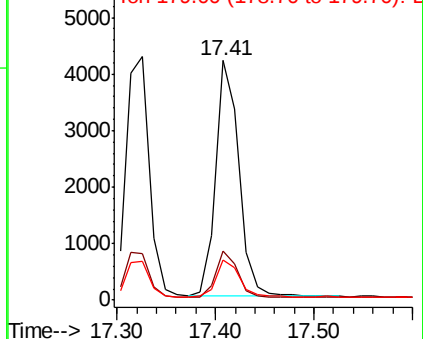


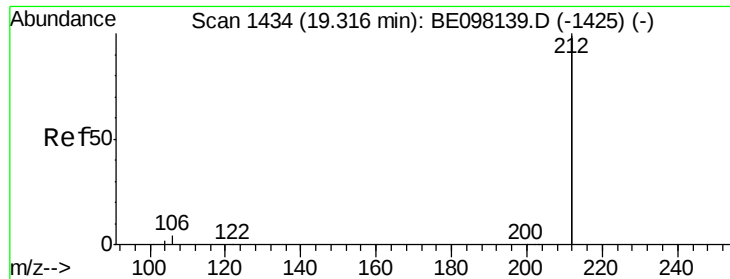
Abundance

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: 0.403 ng

RT: 19.31 min Scan# 1433

Delta R.T. -0.01 min

Lab File: BE098155.D

Acq: 5 Nov 2018 11:01

Instrument :

BNA_E

ClientSampleId :

PB114428BS

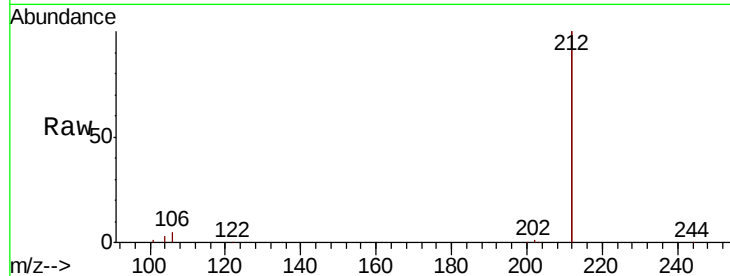
Tot Ion:212 Resp: 36032

Ion Ratio Lower Upper

212 100

106 2.1 2.3 3.5#

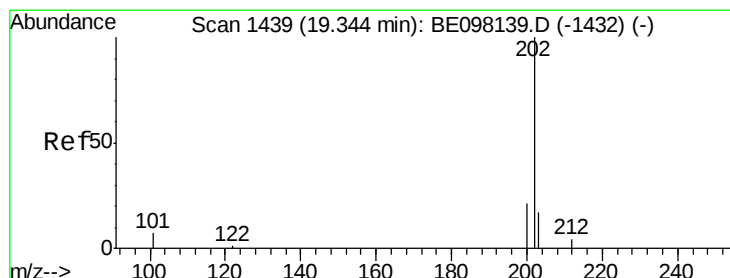
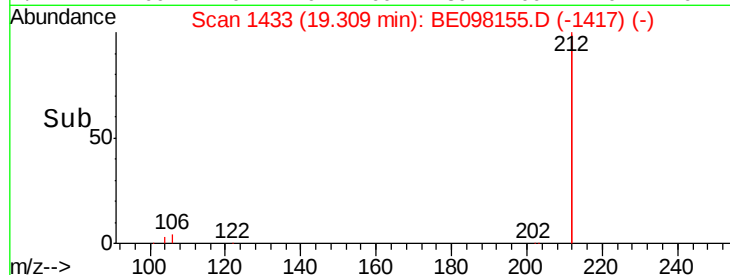
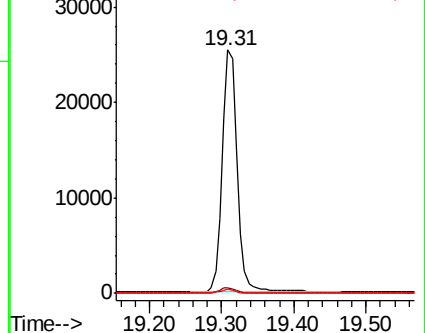
104 1.3 1.3 1.9#



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: 0.412 ng

RT: 19.34 min Scan# 1439

Delta R.T. -0.00 min

Lab File: BE098155.D

Acq: 5 Nov 2018 11:01

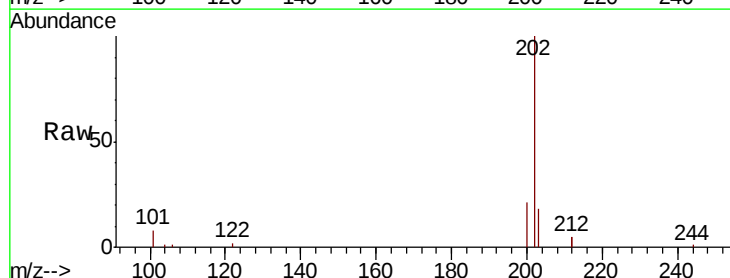
Tgt Ion:202 Resp: 8874

Ion Ratio Lower Upper

202 100

101 8.4 8.2 12.2

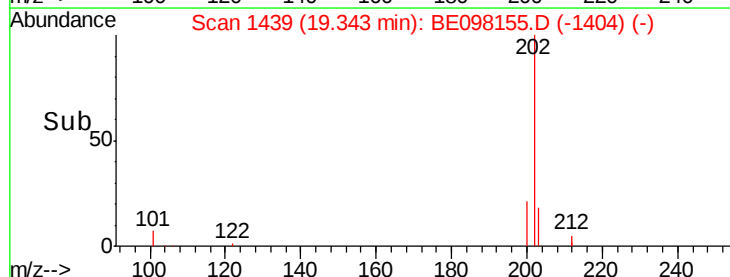
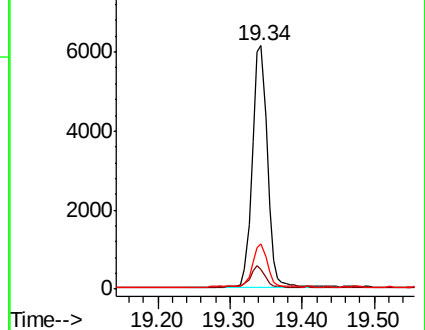
203 16.9 15.0 22.4

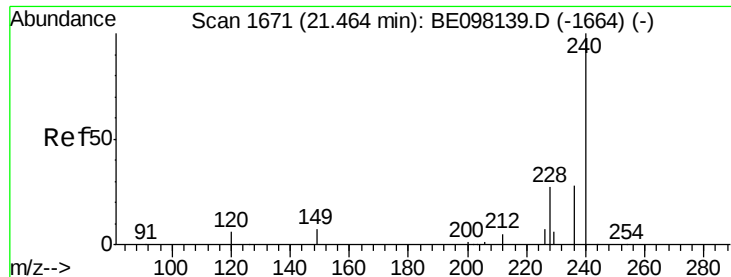


Abundance Ion 202.00 (201.70 to 202.70): E

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: BE098155.D

Acq: 5 Nov 2018 11:01

Instrument :

BNA_E

ClientSampleId :

PB114428BS

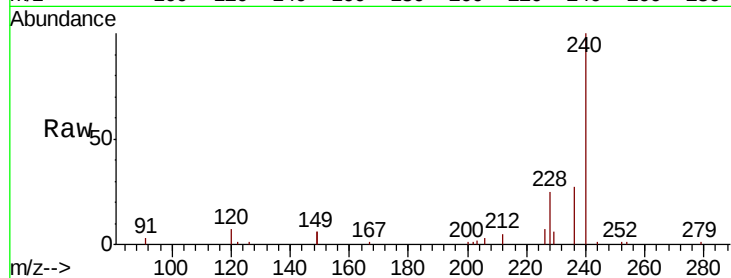
Tot Ion:240 Resp: 8131

Ion Ratio Lower Upper

240 100

120 6.8 7.1 10.7#

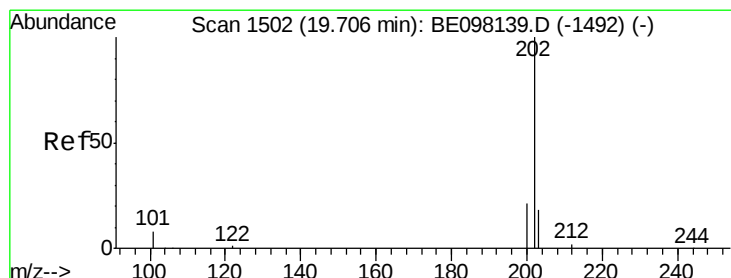
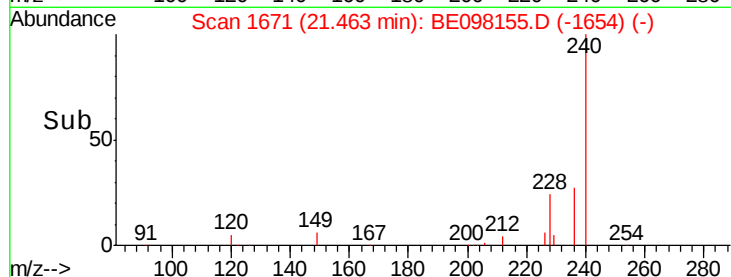
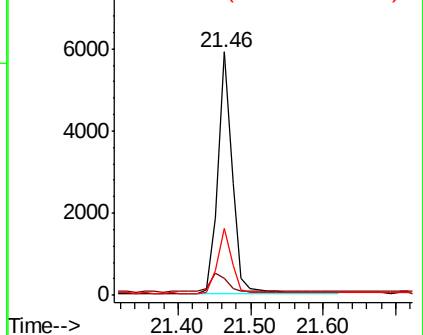
236 27.3 21.3 31.9



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: 0.416 ng

RT: 19.71 min Scan# 1502

Delta R.T. -0.00 min

Lab File: BE098155.D

Acq: 5 Nov 2018 11:01

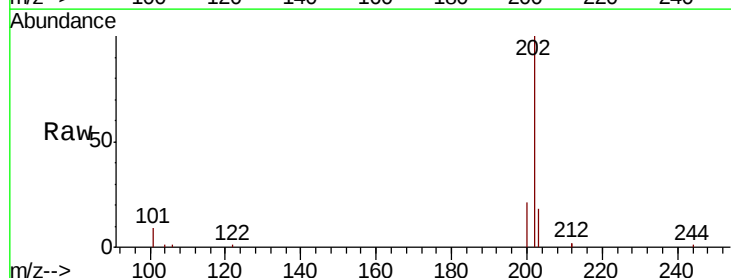
Tgt Ion:202 Resp: 9239

Ion Ratio Lower Upper

202 100

200 21.6 17.0 25.4

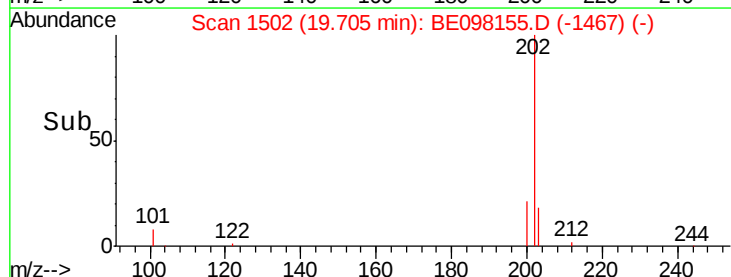
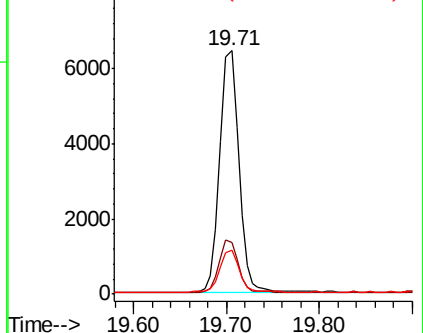
203 17.6 14.2 21.4

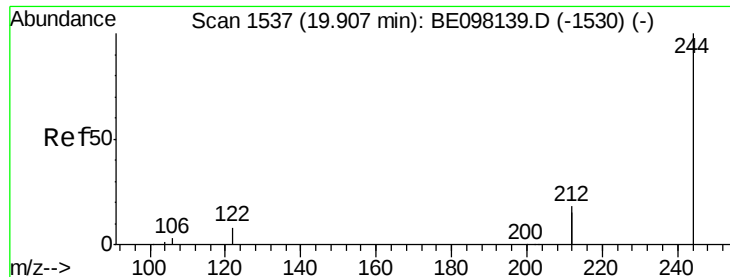


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#29

Terphenyl-d14

Concen: 0.412 ng

RT: 19.91 min Scan# 1537

Delta R.T. -0.00 min

Lab File: BE098155.D

Acq: 5 Nov 2018 11:01

Instrument :

BNA_E

ClientSampleId :

PB114428BS

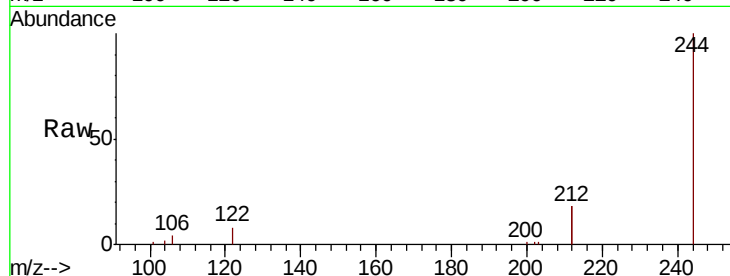
Tot Ion:244 Resp: 7788

Ion Ratio Lower Upper

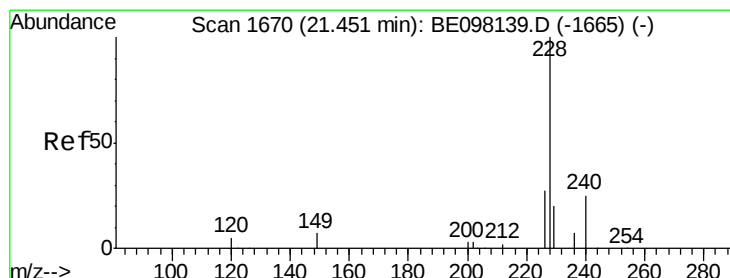
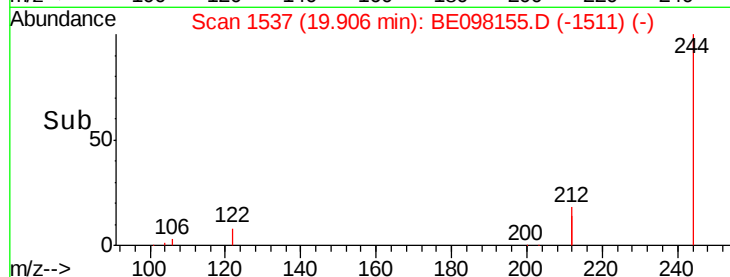
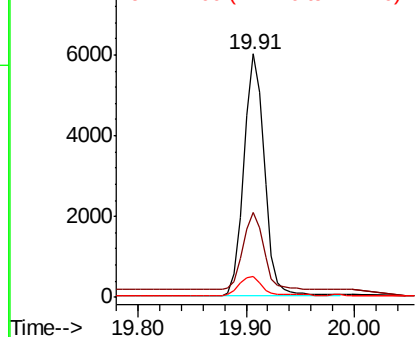
244 100

212 35.0 26.2 39.2

122 8.5 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: 0.403 ng

RT: 21.45 min Scan# 1670

Delta R.T. -0.00 min

Lab File: BE098155.D

Acq: 5 Nov 2018 11:01

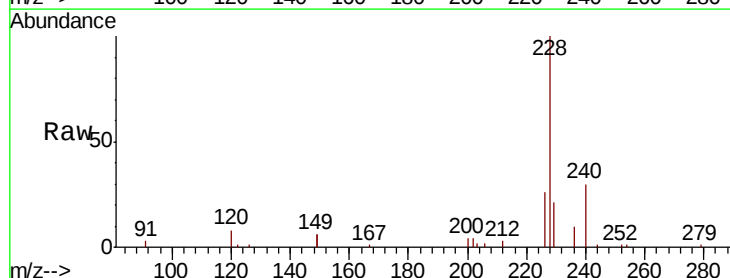
Tgt Ion:228 Resp: 9584

Ion Ratio Lower Upper

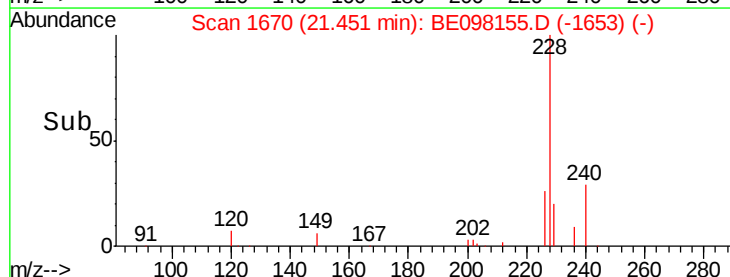
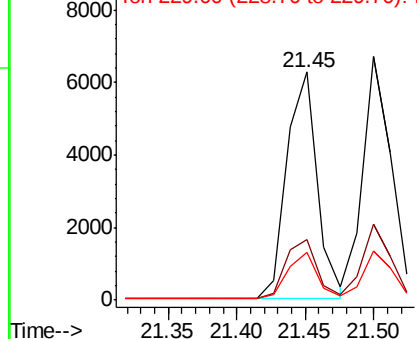
228 100

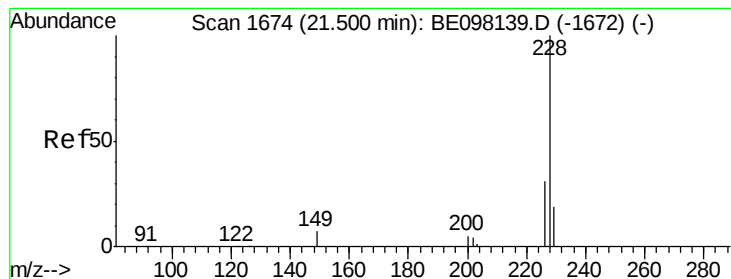
226 26.3 22.6 33.8

229 20.8 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: 0.411 ng

RT: 21.50 min Scan# 1674

Delta R.T. -0.00 min

Lab File: BE098155.D

Acq: 5 Nov 2018 11:01

Instrument :

BNA_E

ClientSampleId :

PB114428BS

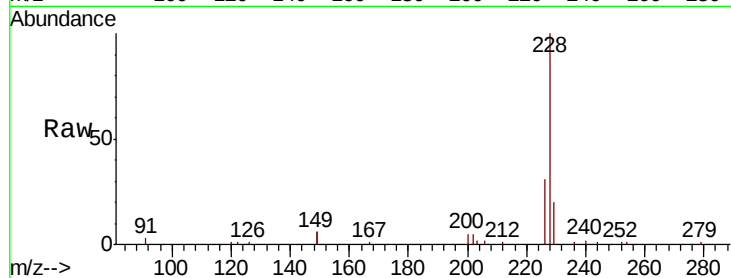
Tot Ion:228 Resp: 9672

Ion Ratio Lower Upper

228 100

226 31.1 24.3 36.5

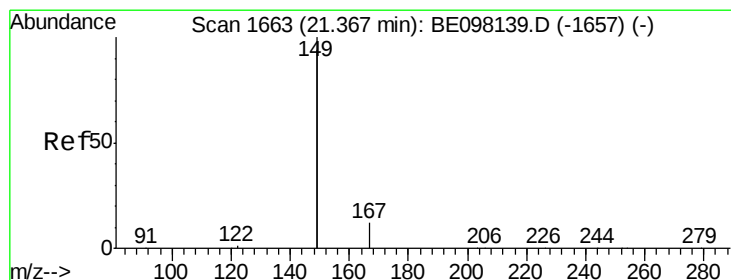
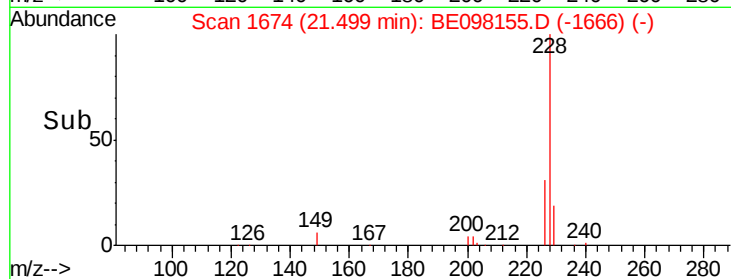
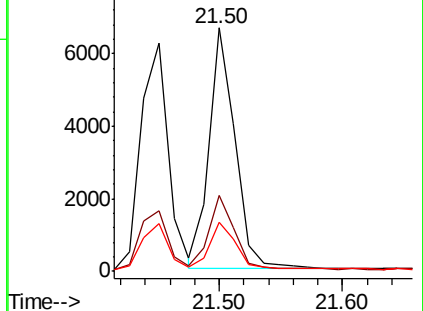
229 20.0 17.3 25.9



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: 0.205 ng

RT: 21.37 min Scan# 1663

Delta R.T. 0.00 min

Lab File: BE098155.D

Acq: 5 Nov 2018 11:01

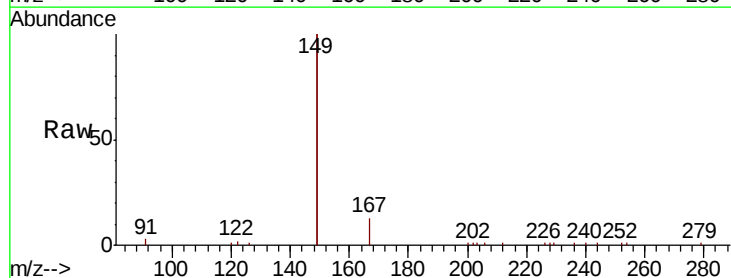
Tgt Ion:149 Resp: 18690

Ion Ratio Lower Upper

149 100

167 6.7 5.6 8.4

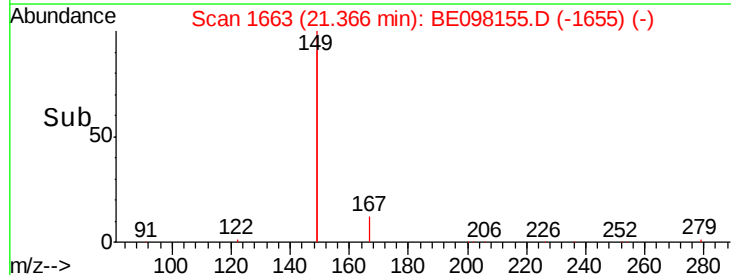
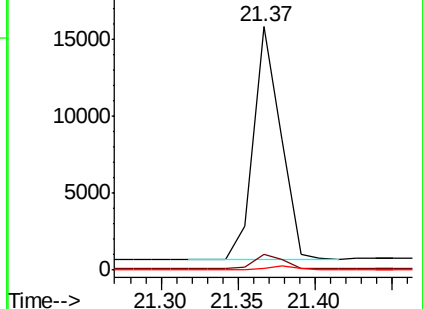
279 1.5 0.9 1.3#

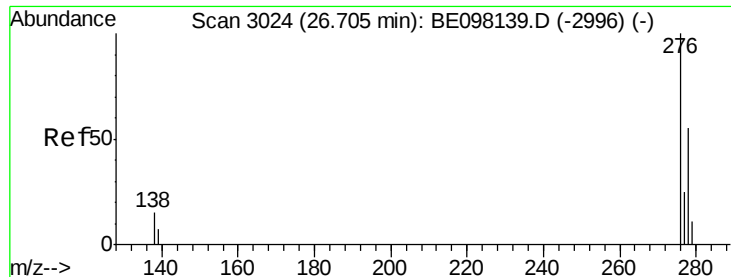


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E





#33

Indeno(1,2,3-cd)pyrene

Concen: 0.396 ng

RT: 26.70 min Scan# 3022

Delta R.T. -0.01 min

Lab File: BE098155.D

Acq: 5 Nov 2018 11:01

Instrument :

BNA_E

ClientSampleId :

PB114428BS

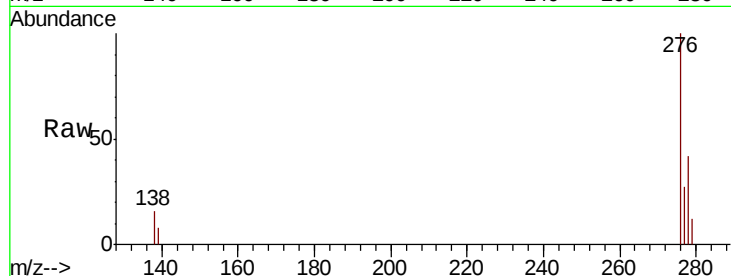
Tot Ion:276 Resp: 9678

Ion Ratio Lower Upper

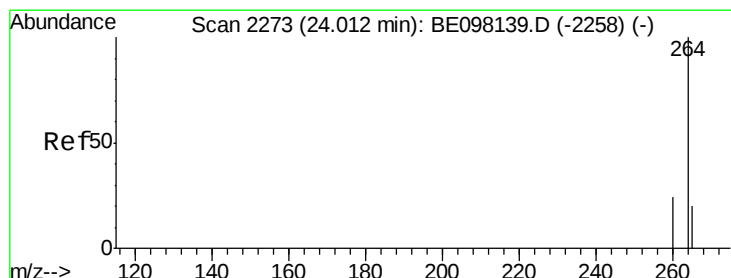
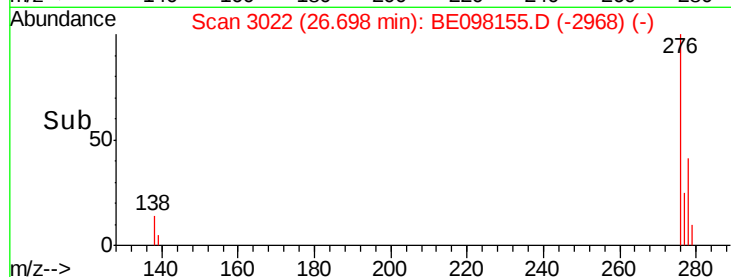
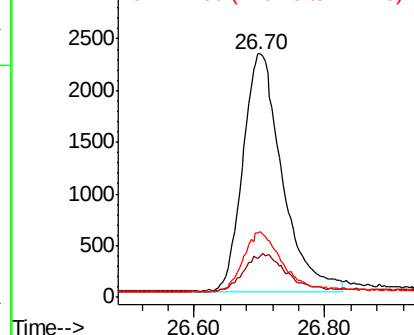
276 100

138 16.2 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: 24.01 min Scan# 2272

Delta R.T. -0.00 min

Lab File: BE098155.D

Acq: 5 Nov 2018 11:01

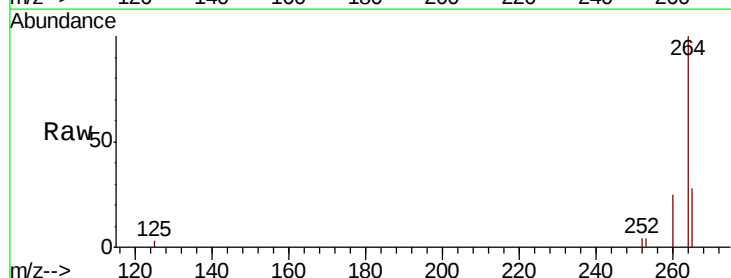
Tgt Ion:264 Resp: 8051

Ion Ratio Lower Upper

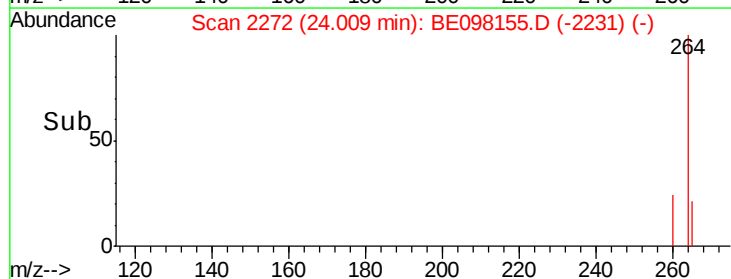
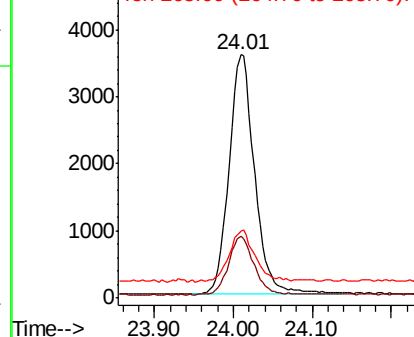
264 100

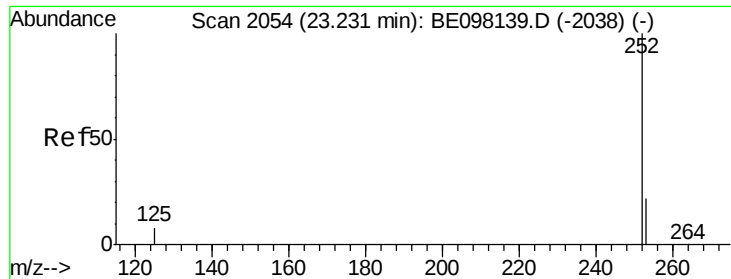
260 25.2 21.1 31.7

265 27.8 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: 0.395 ng

RT: 23.23 min Scan# 2053

Delta R.T. -0.00 min

Lab File: BE098155.D

Acq: 5 Nov 2018 11:01

Instrument :

BNA_E

ClientSampleId :

PB114428BS

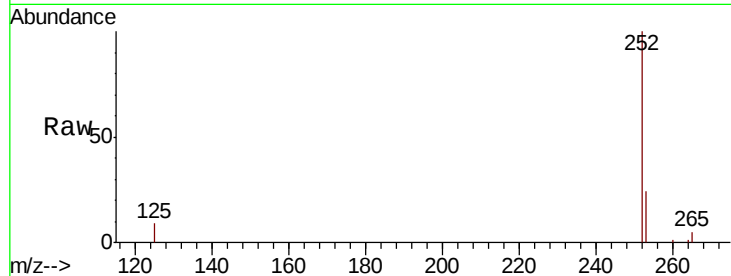
Tot Ion:252 Resp: 8961

Ion Ratio Lower Upper

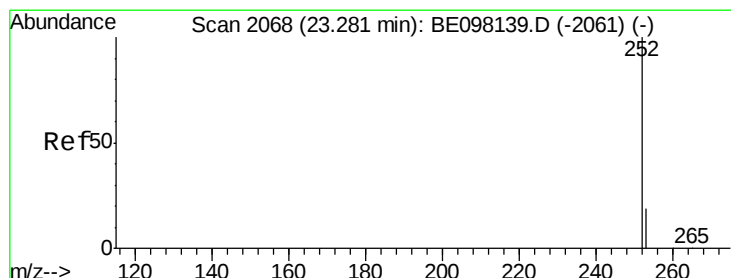
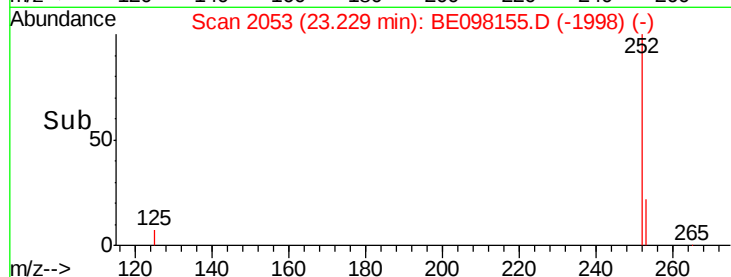
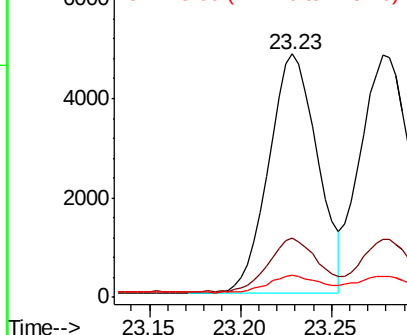
252 100

253 24.1 20.6 31.0

125 9.0 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: 0.403 ng

RT: 23.28 min Scan# 2067

Delta R.T. -0.00 min

Lab File: BE098155.D

Acq: 5 Nov 2018 11:01

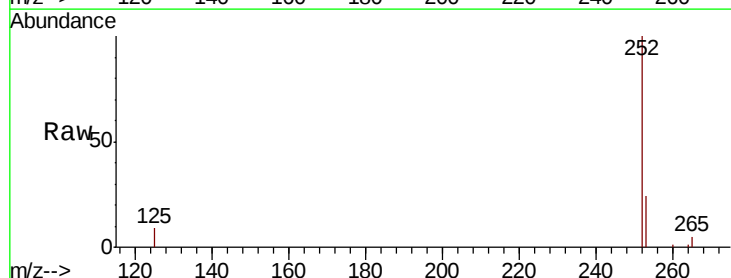
Tgt Ion:252 Resp: 9452

Ion Ratio Lower Upper

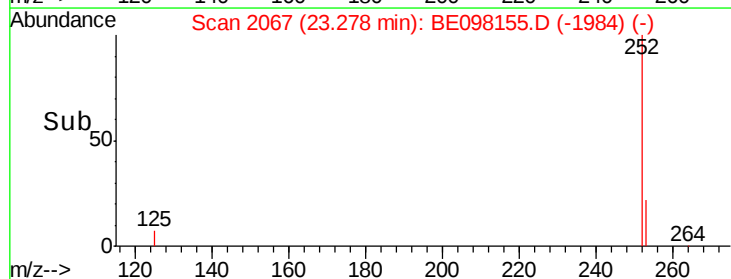
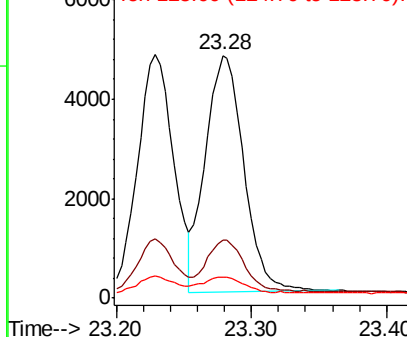
252 100

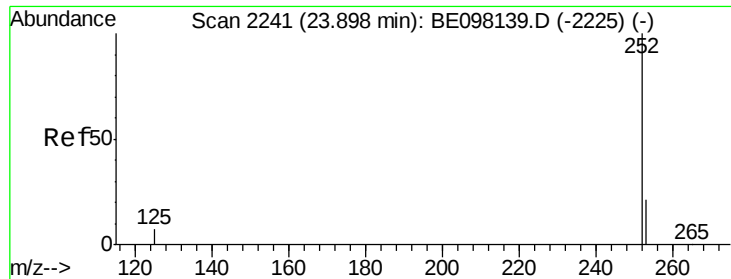
253 23.8 20.4 30.6

125 8.9 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: 0.397 ng

RT: 23.90 min Scan# 2240

Delta R.T. -0.00 min

Lab File: BE098155.D

Acq: 5 Nov 2018 11:01

Instrument :

BNA_E

ClientSampleId :

PB114428BS

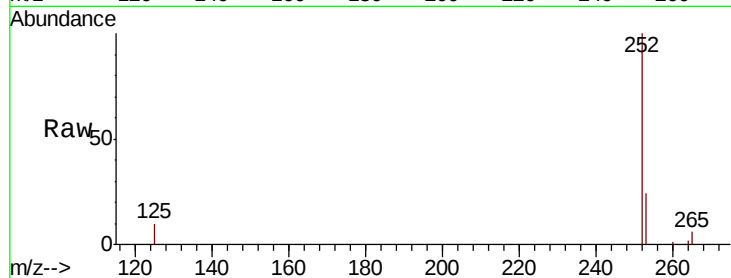
Tot Ion:252 Resp: 8784

Ion Ratio Lower Upper

252 100

253 24.4 20.6 31.0

125 10.2 15.6 23.4#

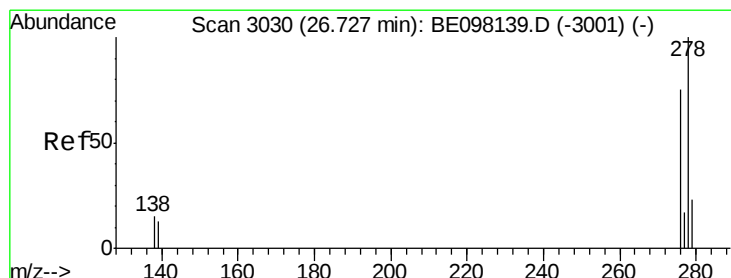
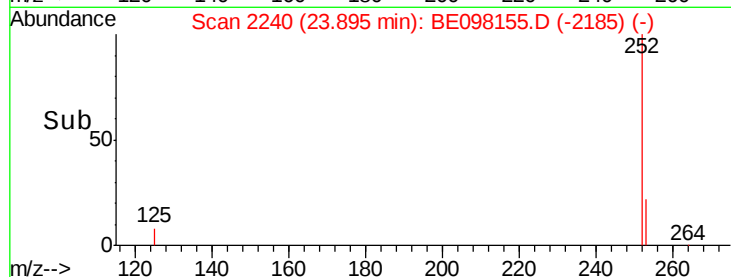
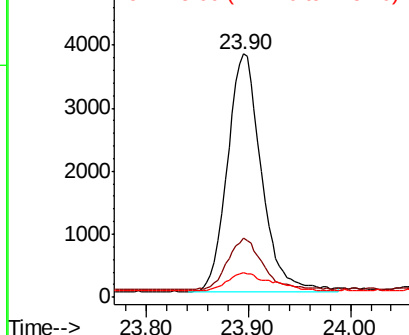


Abundance

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: 0.377 ng

RT: 26.73 min Scan# 3030

Delta R.T. -0.00 min

Lab File: BE098155.D

Acq: 5 Nov 2018 11:01

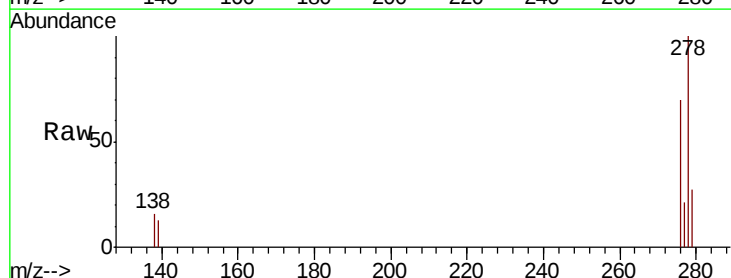
Tgt Ion:278 Resp: 7782

Ion Ratio Lower Upper

278 100

139 12.5 16.3 24.5#

279 27.2 21.4 32.2

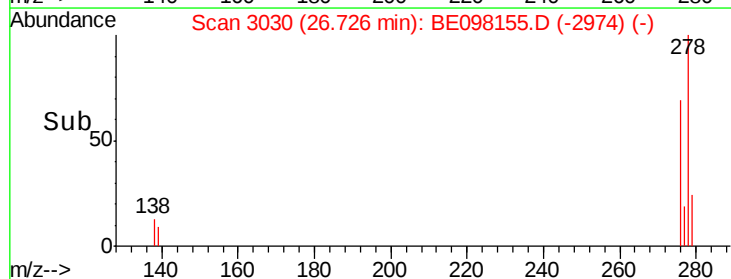
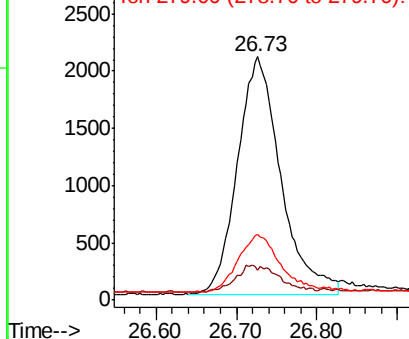


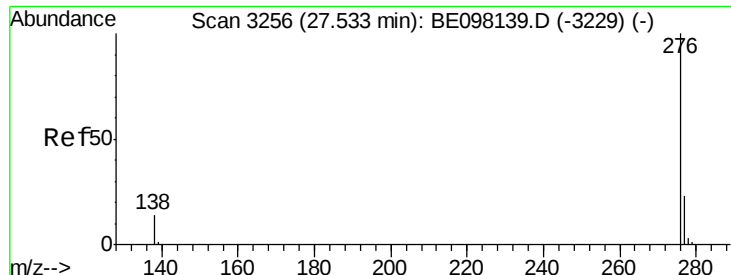
Abundance

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(a,h,i)perylene

Concen: 0.395 ng

RT: 27.53 min Scan# 3254

Delta R.T. -0.01 min

Lab File: BE098155.D

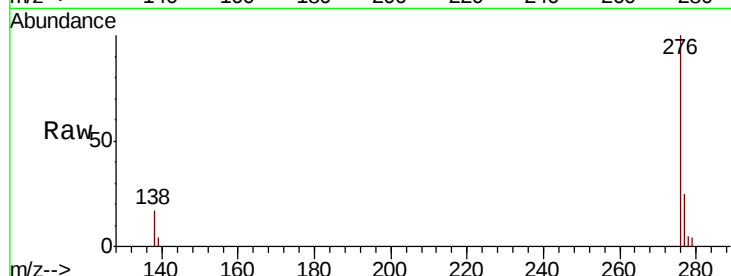
Acq: 5 Nov 2018 11:01

Instrument :

BNA_E

ClientSampleId :

PB114428BS



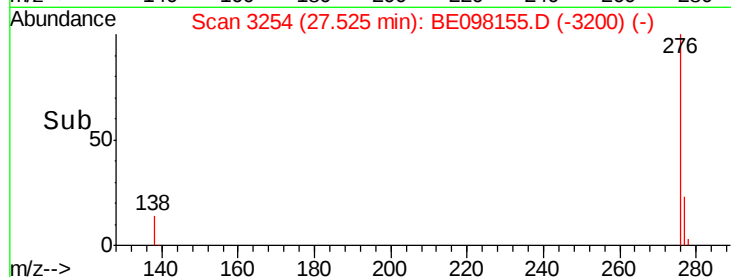
Tot Ion: 276 Resp: 8127

Ion Ratio Lower Upper

276 100

277 25.3 22.1 33.1

138 16.8 19.3 28.9



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

