

Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE121018\
 Data File : BE098331.D
 Acq On : 11 Dec 2018 13:52
 Operator : SJ/JU
 Sample : PB115391BSD
 Misc :
 ALS Vial : 30 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 PB115391BSD

Quant Time: Dec 11 15:16:33 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA E\METHODS\8270-SIM-BE121018.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Dec 10 14:59:55 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.86	152	1318	0.40	ng	0.00
7) Naphthalene-d8	10.67	136	5242	0.40	ng	0.00
13) Acenaphthene-d10	14.53	164	3042	0.40	ng	0.00
19) Phenanthrene-d10	17.28	188	7752	0.40	ng	0.00
27) Chrysene-d12	21.46	240	10436	0.40	ng	0.00
34) Perylene-d12	24.01	264	10041	0.40	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Fluorophenol	5.46	112	744	0.24	ng	0.01
5) Phenol-d6	7.06	99	908	0.21	ng	0.01
8) Nitrobenzene-d5	9.03	82	1034	0.22	ng	0.01
11) 2-Methylnaphthalene-d10	12.27	152	2024	0.24	ng	0.00
14) 2,4,6-Tribromophenol	16.03	330	219	0.20	ng	0.01
15) 2-Fluorobiphenyl	13.15	172	2969	0.23	ng	0.00
25) Fluoranthene-d10	19.31	212	24143	0.24	ng	0.00
29) Terphenyl-d14	19.91	244	4605	0.18	ng	0.00

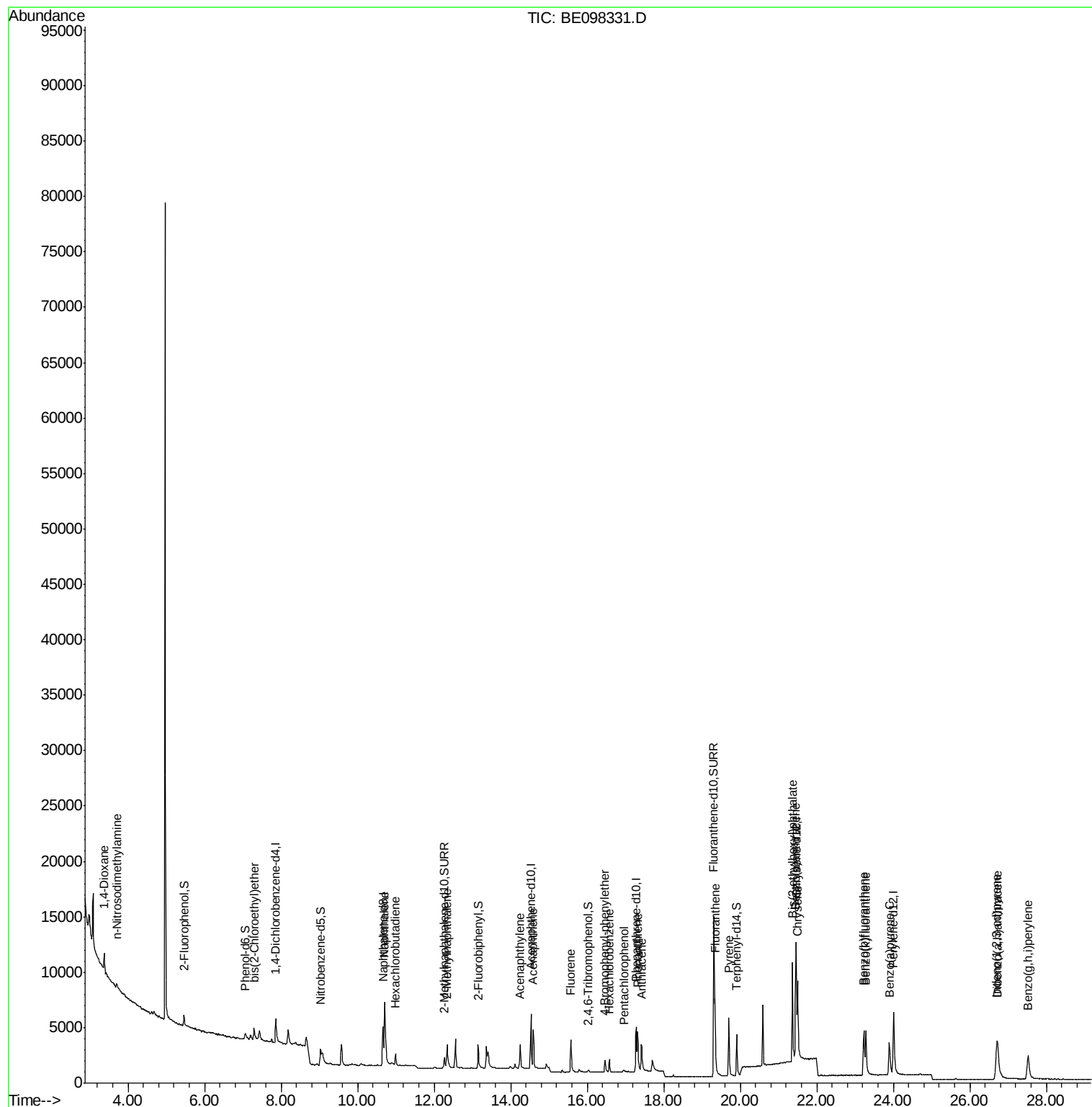
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) 1,4-Dioxane	3.37	88	815	0.358	ng	# 53
3) n-Nitrosodimethylamine	3.70	42	483	0.235	ng	# 100
6) bis(2-Chloroethyl)ether	7.29	93	766	0.185	ng	# 86
9) Naphthalene	10.71	128	12689	0.241	ng	# 98
10) Hexachlorobutadiene	10.99	225	728	0.217	ng	98
12) 2-Methylnaphthalene	12.34	142	1927	0.225	ng	94
16) Acenaphthylene	14.24	152	3230	0.227	ng	98
17) Acenaphthene	14.59	154	1929	0.225	ng	97
18) Fluorene	15.57	166	2499	0.218	ng	98
20) 4-Bromophenyl-phenylether	16.46	248	821	0.197	ng	93
21) Hexachlorobenzene	16.58	284	953	0.212	ng	94
22) Pentachlorophenol	16.95	266	210	0.304	ng	97
23) Phenanthrene	17.32	178	4204	0.223	ng	97
24) Anthracene	17.41	178	3674	0.219	ng	99
26) Fluoranthene	19.34	202	6085	0.244	ng	99
28) Pyrene	19.70	202	6062	0.185	ng	98
30) Benzo(a)anthracene	21.45	228	6494	0.219	ng	98
31) Chrysene	21.50	228	7294	0.234	ng	99
32) Bis(2-ethylhexyl)phthalate	21.37	149	10585	0.175	ng	99
33) Indeno(1,2,3-cd)pyrene	26.70	276	7396	0.239	ng	97
35) Benzo(b)fluoranthene	23.23	252	6415	0.234	ng	99
36) Benzo(k)fluoranthene	23.28	252	7788	0.243	ng	99
37) Benzo(a)pyrene	23.89	252	6940	0.245	ng	98
38) Dibenzo(a,h)anthracene	26.73	278	6110	0.229	ng	98
39) Benzo(g,h,i)perylene	27.52	276	6628	0.246	ng	99

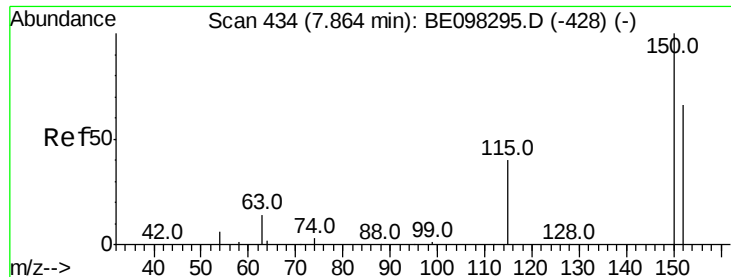
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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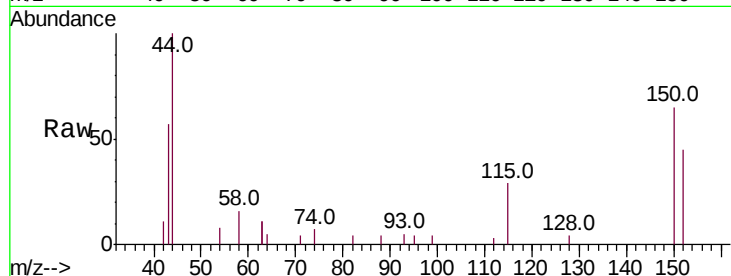


#1

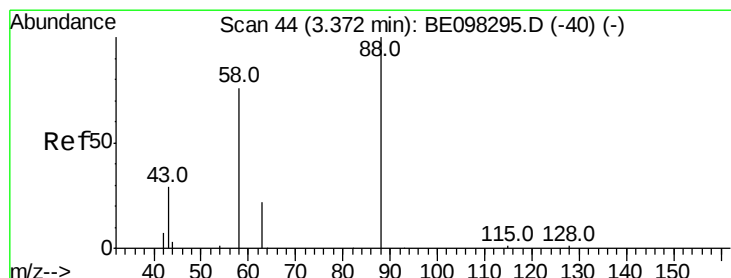
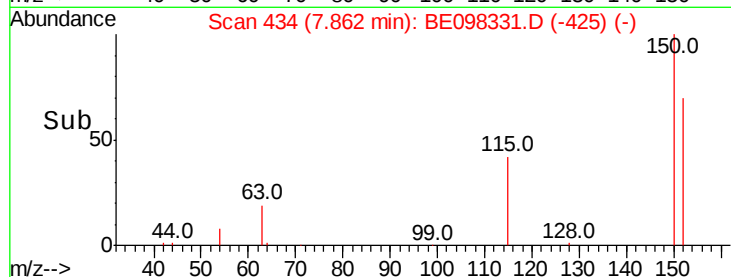
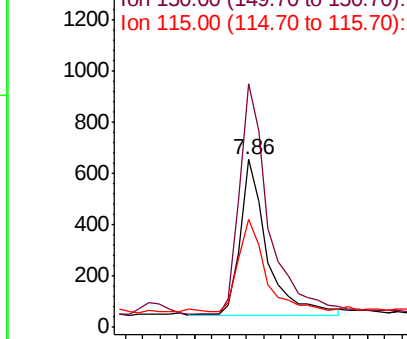
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.86 min Scan# 434
Delta R.T. -0.00 min
Lab File: BE098331.D
Acq: 11 Dec 2018 13:52

Instrument :
BNA_E
ClientSampleId :
PB115391BSD

Tot Ion:152 Resp: 1318
Ion Ratio Lower Upper
152 100
150 145.0 124.2 186.4
115 64.4 53.9 80.9



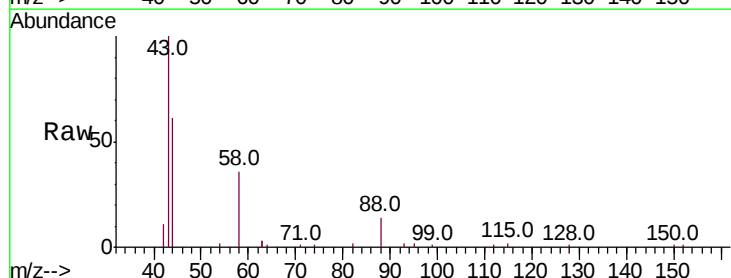
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



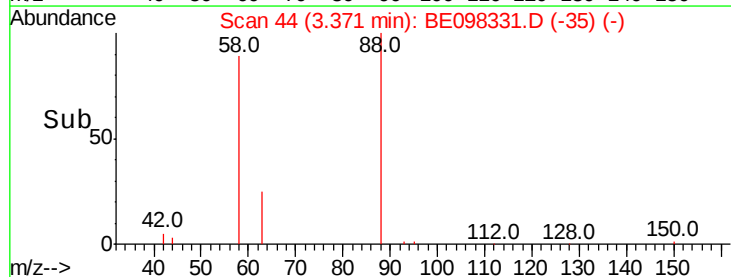
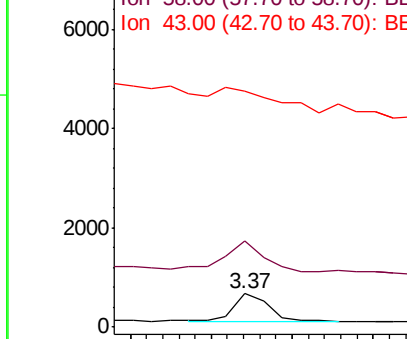
#2

1,4-Dioxane
Concen: 0.358 ng
RT: 3.37 min Scan# 44
Delta R.T. -0.00 min
Lab File: BE098331.D
Acq: 11 Dec 2018 13:52

Tgt Ion: 88 Resp: 815
Ion Ratio Lower Upper
88 100
58 126.6 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: 0.235 ng

RT: 3.70 min Scan# 73

Delta R.T. 0.01 min

Lab File: BE098331.D

Acq: 11 Dec 2018 13:52

Instrument :

BNA_E

ClientSampleId :

PB115391BSD

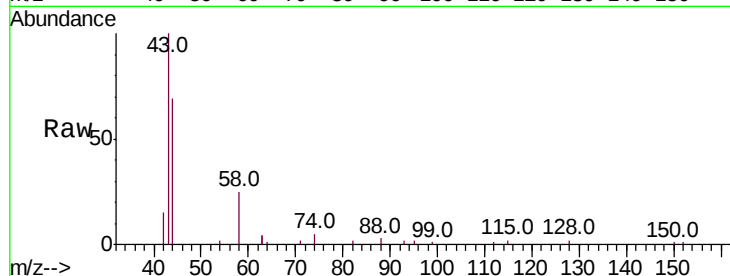
Tot Ion: 42 Resp: 483

Ion Ratio Lower Upper

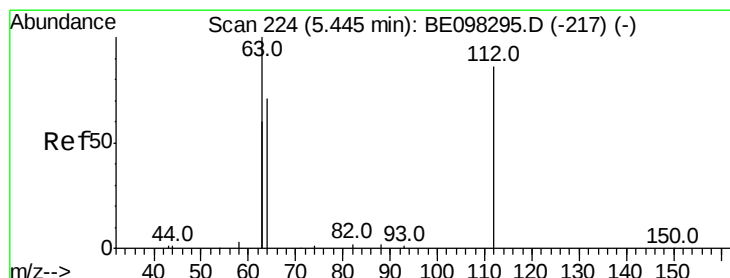
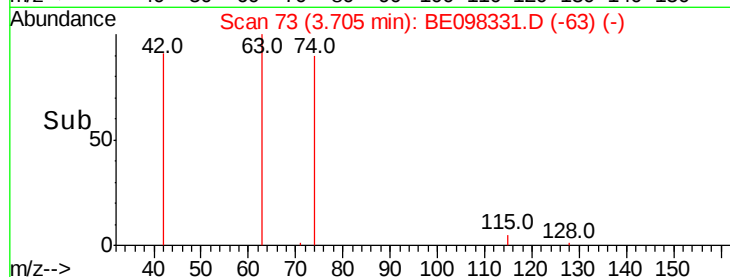
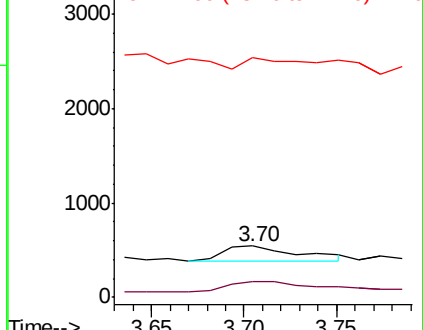
42 100

74 72.7 0.0 0.0#

44 47.0 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: 0.241 ng

RT: 5.46 min Scan# 225

Delta R.T. 0.01 min

Lab File: BE098331.D

Acq: 11 Dec 2018 13:52

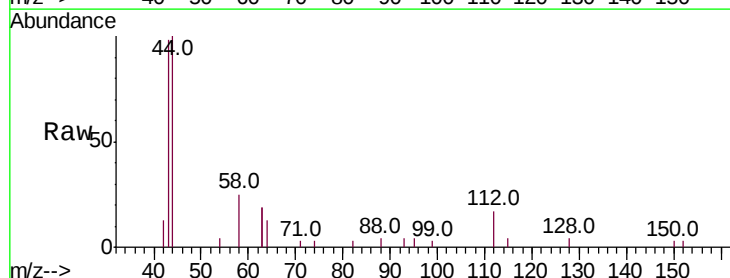
Tgt Ion: 112 Resp: 744

Ion Ratio Lower Upper

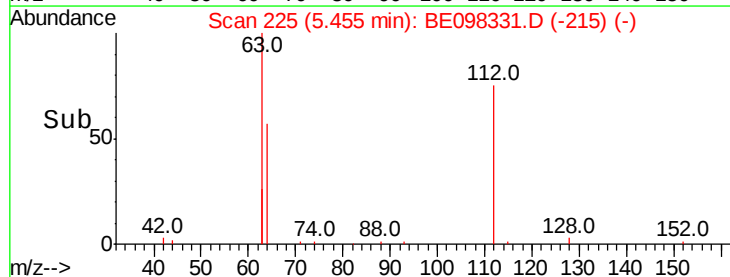
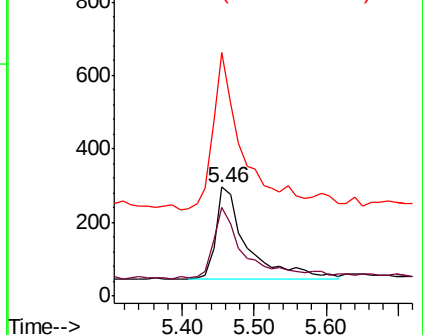
112 100

64 74.6 59.8 89.8

63 160.8 133.7 200.5



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: 7.06 min Scan# 364

Delta R.T. 0.01 min

Lab File: BE098331.D

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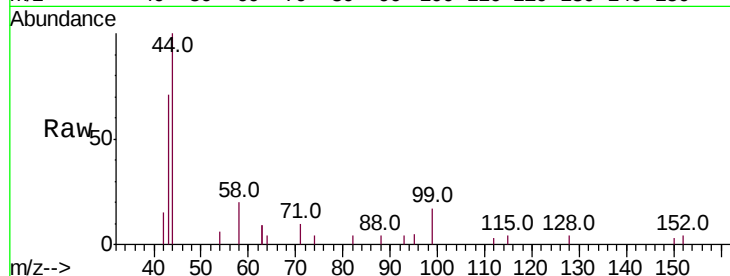
Tot Ion: 99 Resp: 908

Ion Ratio Lower Upper

99 100

42 24.9 26.3 39.5#

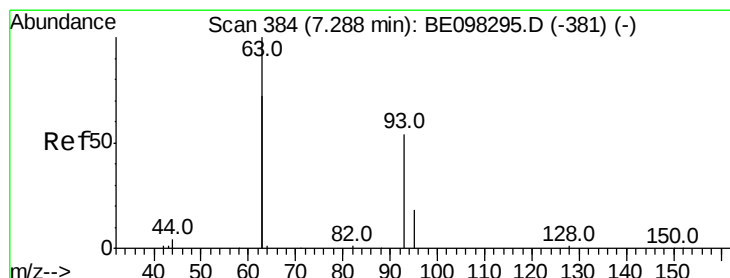
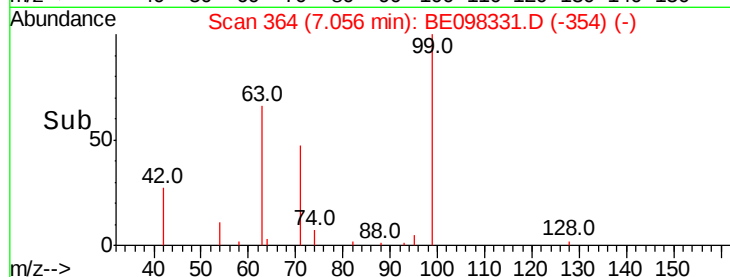
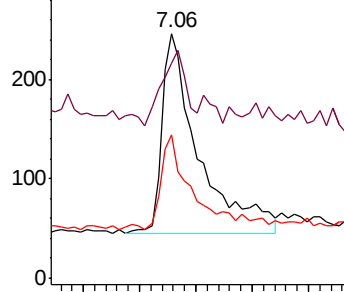
71 44.6 33.6 50.4



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



#6

bis(2-Chloroethyl)ether

Concen: 0.185 ng

RT: 7.29 min Scan# 384

Delta R.T. -0.00 min

Lab File: BE098331.D

Acq: 11 Dec 2018 13:52

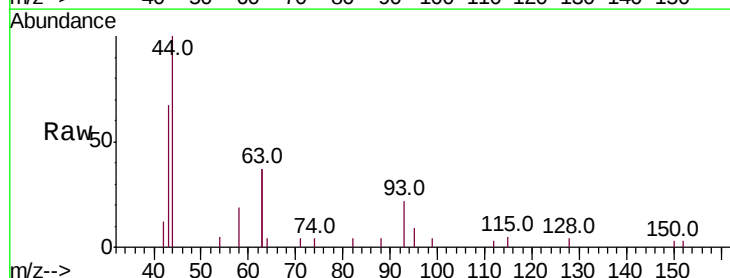
Tgt Ion: 93 Resp: 766

Ion Ratio Lower Upper

93 100

63 302.2 264.4 396.6

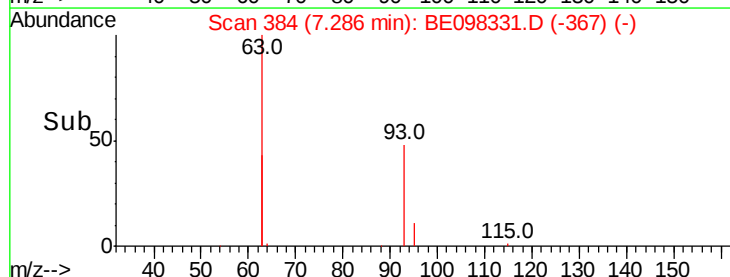
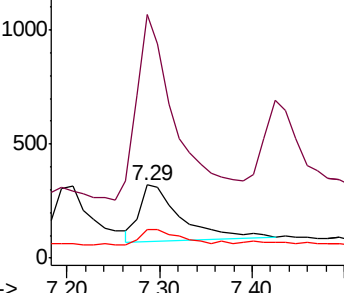
95 25.6 26.6 40.0#

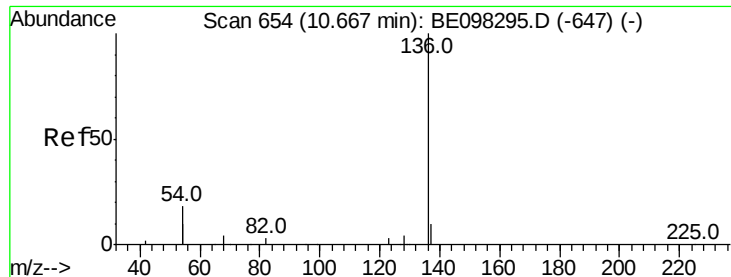


Abundance Ion 93.00 (92.70 to 93.70): BE0

Ion 63.00 (62.70 to 63.70): BE0

Ion 95.00 (94.70 to 95.70): BE0





#7

Naphthalene-d8

Concen: 0.400 ng

RT: 10.67 min Scan# 654

Delta R.T. -0.00 min

Lab File: BE098331.D

Acq: 11 Dec 2018 13:52

Instrument :

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Tot Ion:136 Resp: 5242

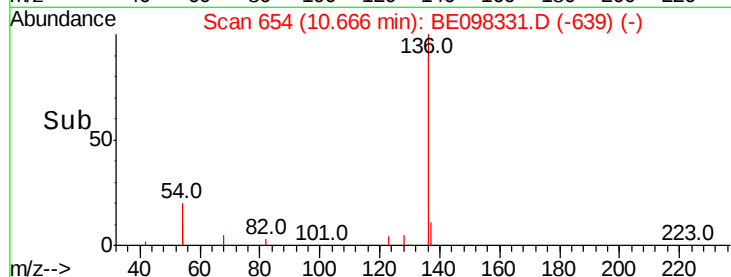
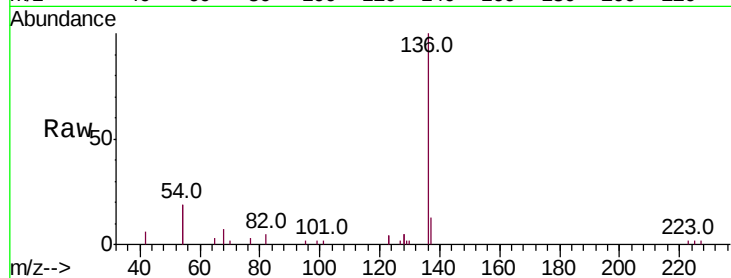
Ion Ratio Lower Upper

136 100

137 13.0 9.2 13.8

54 38.4 28.4 42.6

68 6.8 5.4 8.0

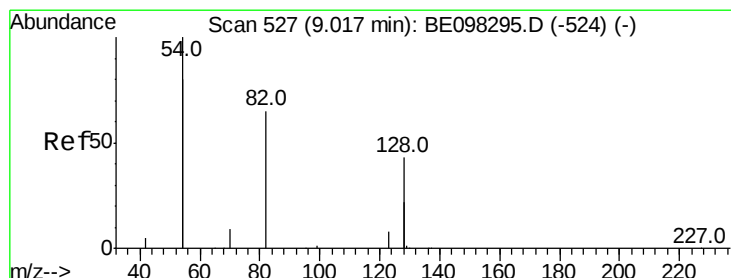
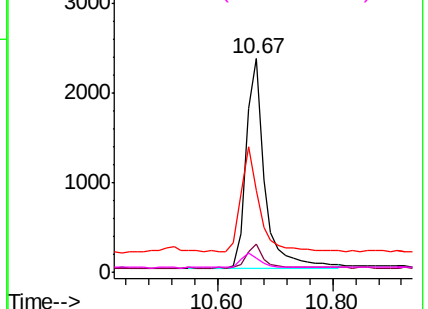


Abundance Ion 136.00 (135.70 to 136.70): E

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: 0.217 ng

RT: 9.03 min Scan# 528

Delta R.T. 0.01 min

Lab File: BE098331.D

Acq: 11 Dec 2018 13:52

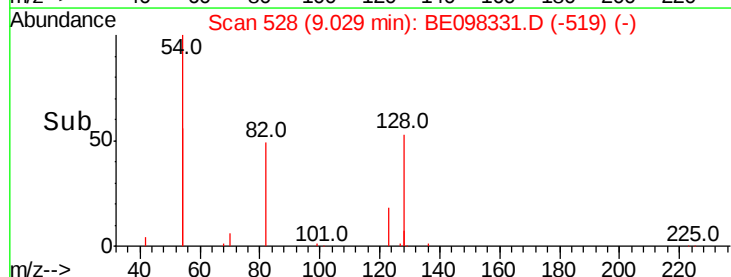
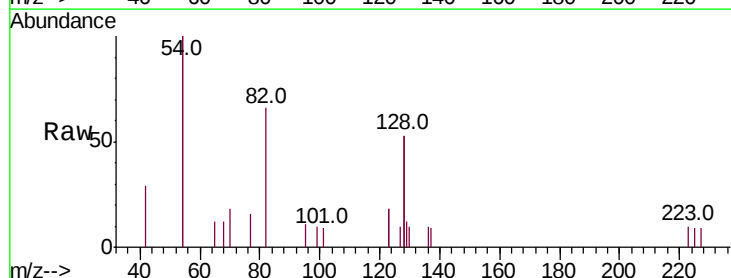
Tgt Ion: 82 Resp: 1034

Ion Ratio Lower Upper

82 100

128 159.8 102.4 153.6#

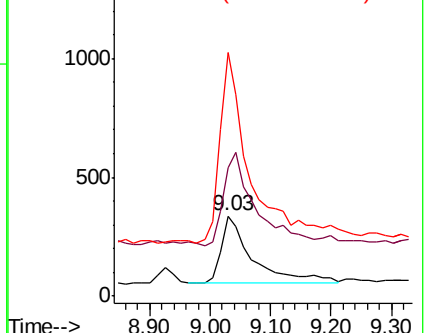
54 303.6 221.8 332.8

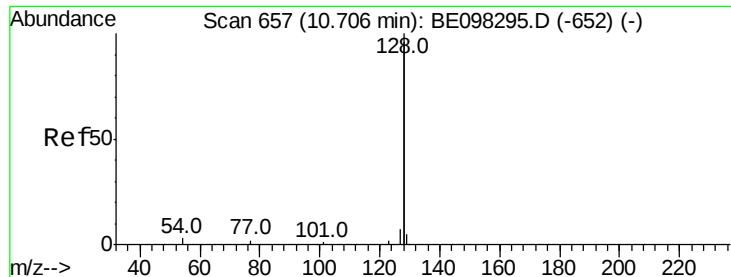


Abundance Ion 82.00 (81.70 to 82.70): BE0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BE0





#9

Naphthalene

Concen: 0.241 ng

RT: 10.71 min Scan# 657

Delta R.T. -0.00 min

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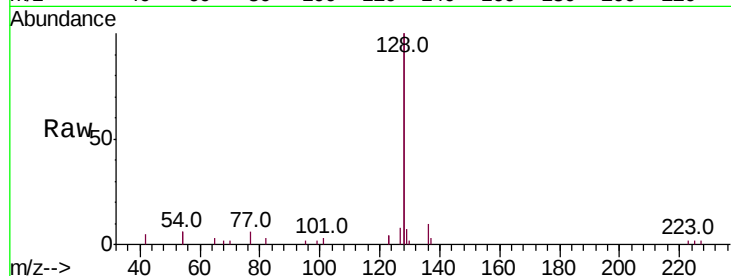
Tot Ion:128 Resp: 12689

Ion Ratio Lower Upper

128 100

129 3.3 2.5 3.7

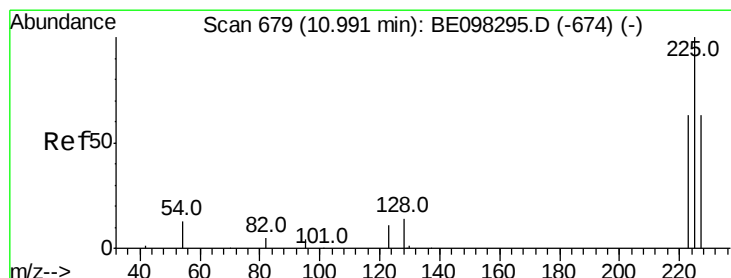
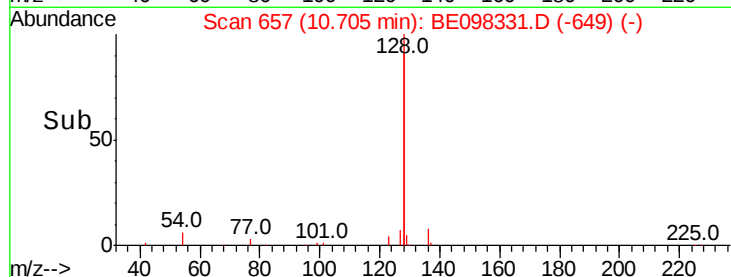
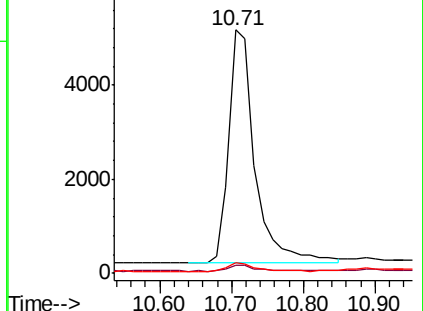
127 4.2 2.7 4.1#



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: 0.217 ng

RT: 10.99 min Scan# 679

Delta R.T. -0.00 min

Lab File: BE098331.D

Acq: 11 Dec 2018 13:52

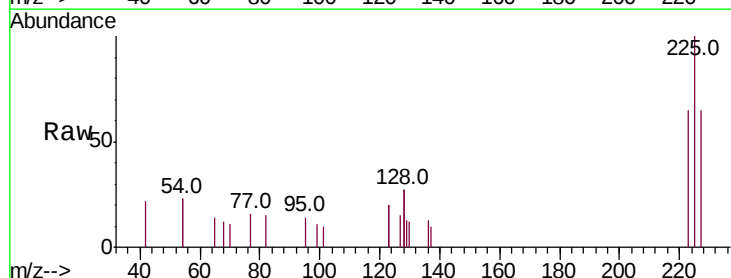
Tgt Ion:225 Resp: 728

Ion Ratio Lower Upper

225 100

223 64.1 49.4 74.0

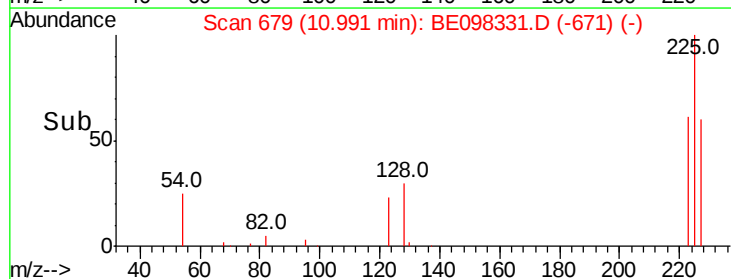
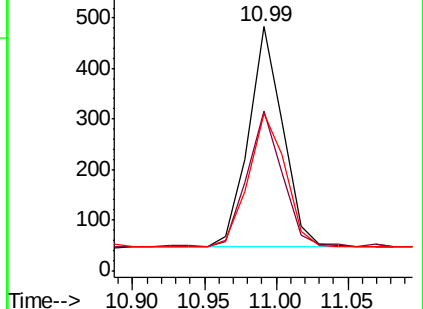
227 65.1 52.0 78.0

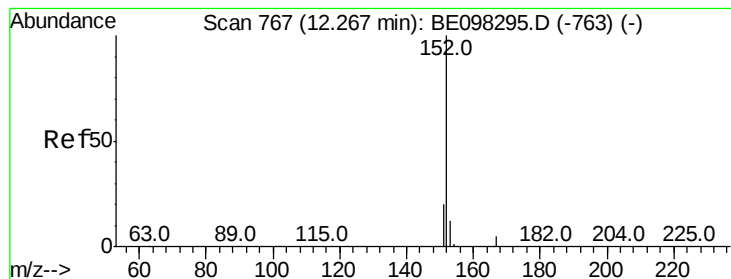


Abundance Ion 225.00 (224.70 to 225.70): E

Ion 223.00 (222.70 to 223.70): E

Ion 227.00 (226.70 to 227.70): E





#11

2-Methylnaphthalene-d10

Concen: 0.237 ng

RT: 12.27 min Scan# 767

Delta R.T. -0.00 min

Lab File: BE098331.D

Acq: 11 Dec 2018 13:52

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ClientSampleId :

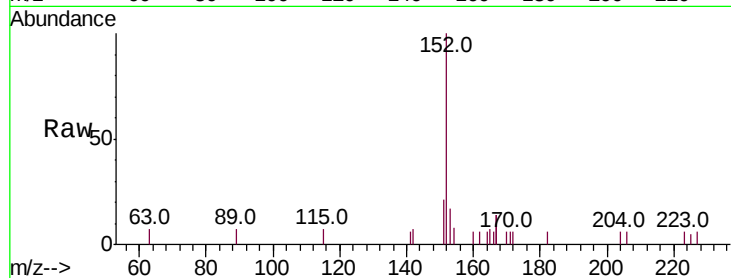
PB115391BSD

Tot Ion:152 Resp: 2024

Ion Ratio Lower Upper

152 100

151 18.6 16.2 24.4



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

12.27

800

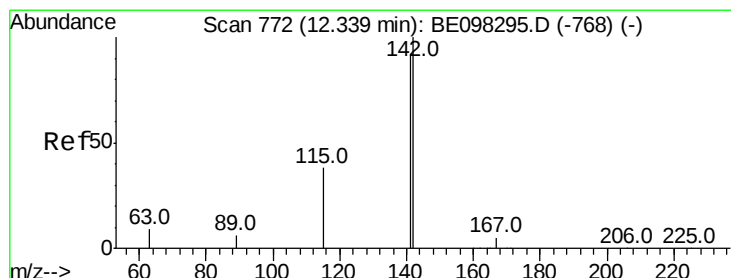
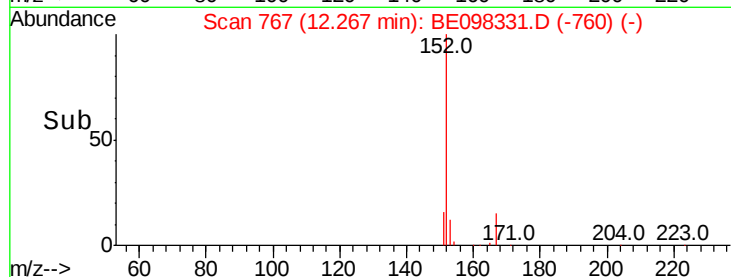
600

400

200

0

Time-->



#12

2-Methylnaphthalene

Concen: 0.225 ng

RT: 12.34 min Scan# 772

Delta R.T. -0.00 min

Lab File: BE098331.D

Acq: 11 Dec 2018 13:52

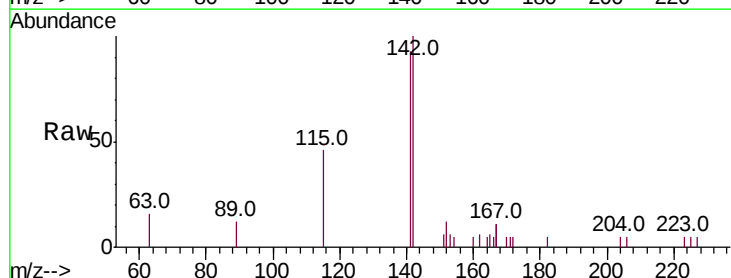
Tgt Ion:142 Resp: 1927

Ion Ratio Lower Upper

142 100

141 93.3 71.0 106.6

115 45.6 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

1200

1000

800

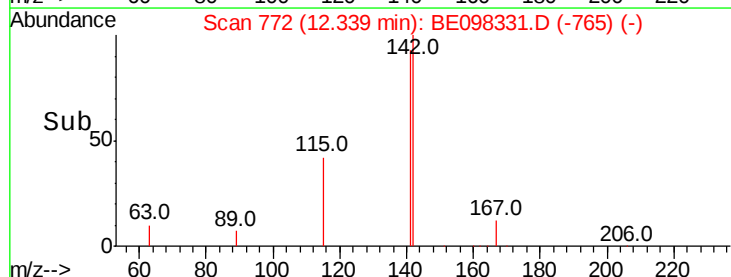
600

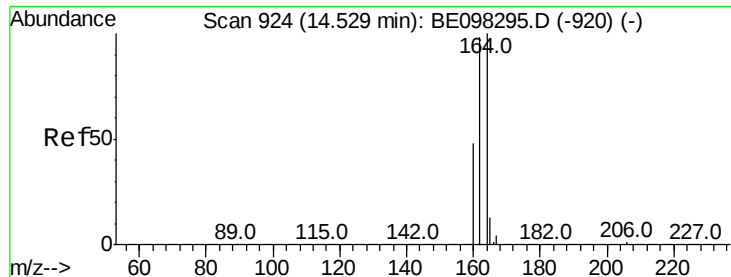
400

200

0

Time-->





#13

Acenaphthene-d10

Concen: 0.400 ng

RT: 14.53 min Scan# 924

Delta R.T. -0.00 min

Lab File: BE098331.D

Acq: 11 Dec 2018 13:52

Instrument :

BNA_E

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PB115391BSD

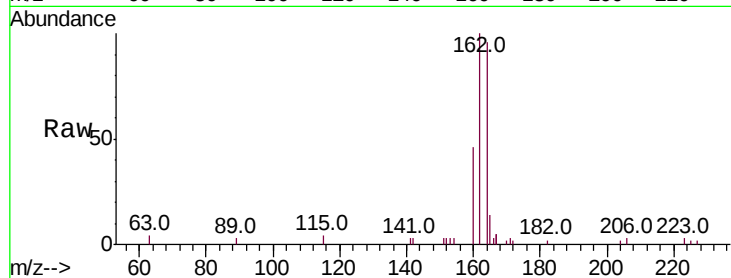
Tot Ion:164 Resp: 3042

Ion Ratio Lower Upper

164 100

162 103.9 77.6 116.4

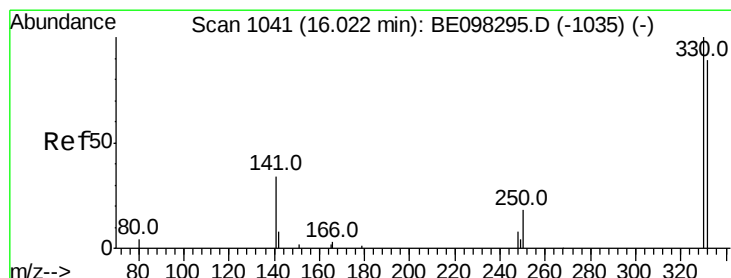
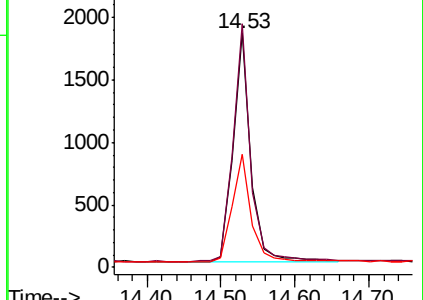
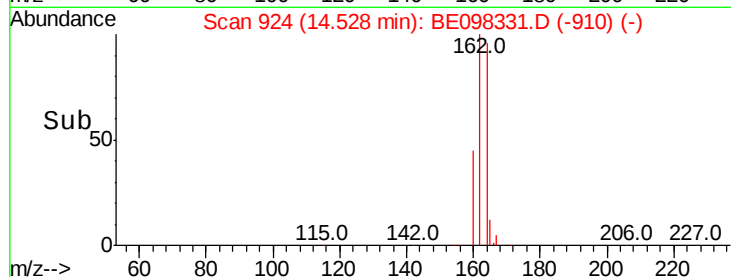
160 48.2 36.0 54.0



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: 0.196 ng

RT: 16.03 min Scan# 1042

Delta R.T. 0.01 min

Lab File: BE098331.D

Acq: 11 Dec 2018 13:52

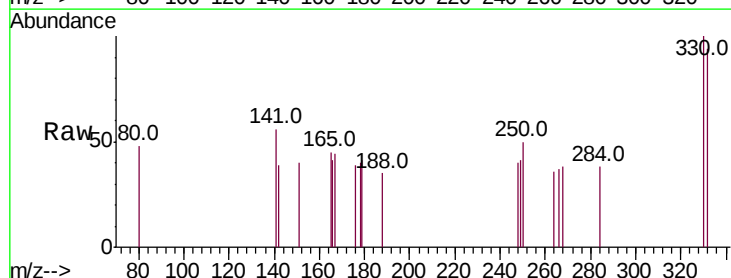
Tgt Ion:330 Resp: 219

Ion Ratio Lower Upper

330 100

332 82.2 76.2 114.4

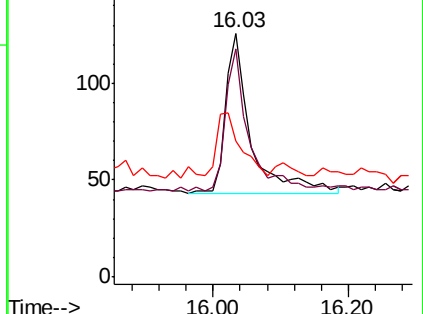
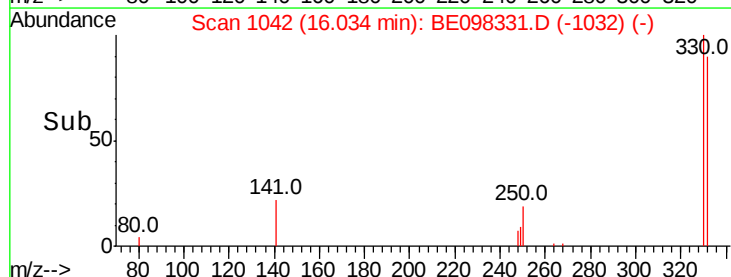
141 40.6 39.0 58.4

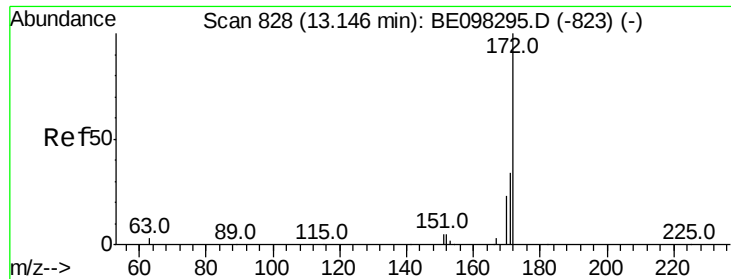


Abundance Ion 330.00 (329.70 to 330.70): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

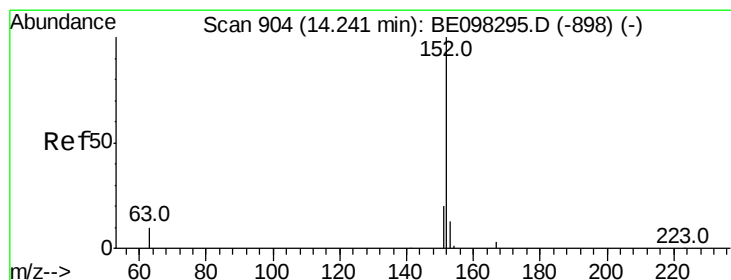
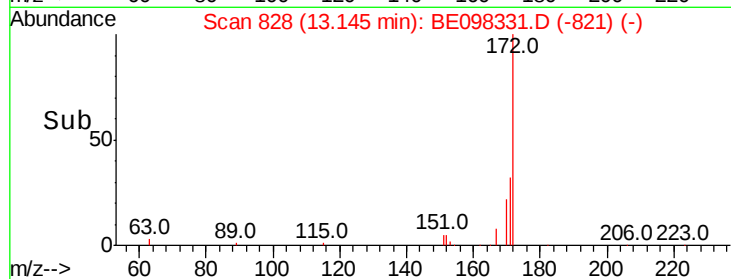
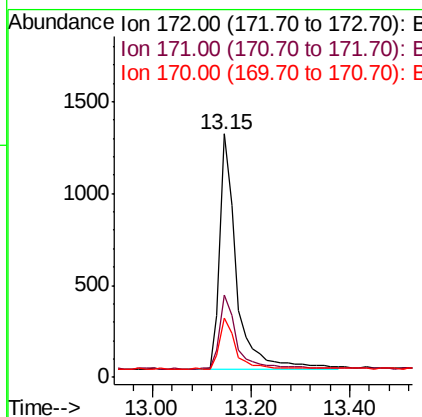
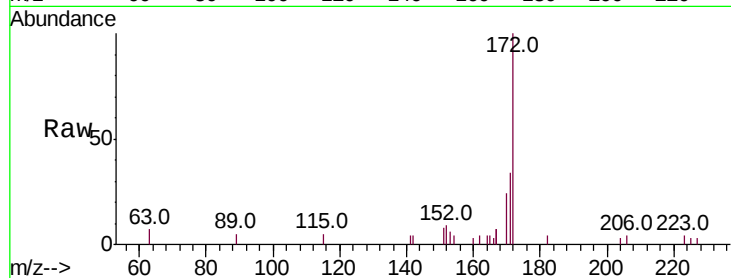




#15
2-Fluorobiphenyl
Concen: 0.231 ng
RT: 13.15 min Scan# 828
Delta R.T. -0.00 min
Lab File: BE098331.D
Acq: 11 Dec 2018 13:52

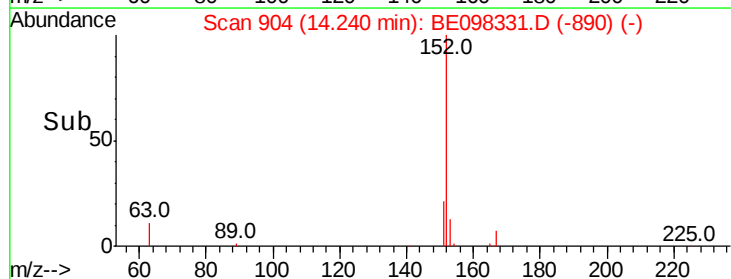
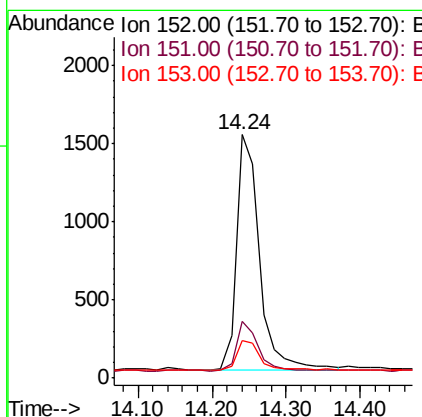
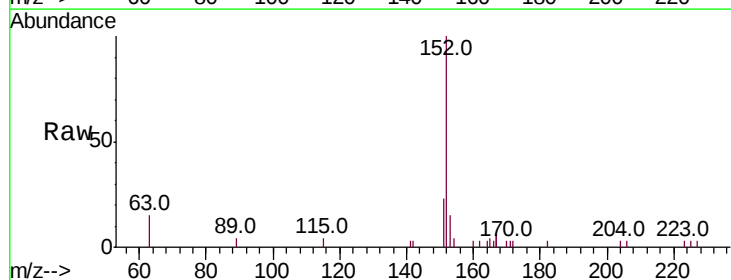
Instrument :
BNA_E
ClientSampleId :
PB115391BSD

Tot Ion:172 Resp: 2969
Ion Ratio Lower Upper
172 100
171 34.0 27.5 41.3
170 24.4 19.6 29.4



#16
Acenaphthylene
Concen: 0.227 ng
RT: 14.24 min Scan# 904
Delta R.T. -0.00 min
Lab File: BE098331.D
Acq: 11 Dec 2018 13:52

Tgt Ion:152 Resp: 3230
Ion Ratio Lower Upper
152 100
151 20.8 15.5 23.3
153 13.2 10.6 16.0

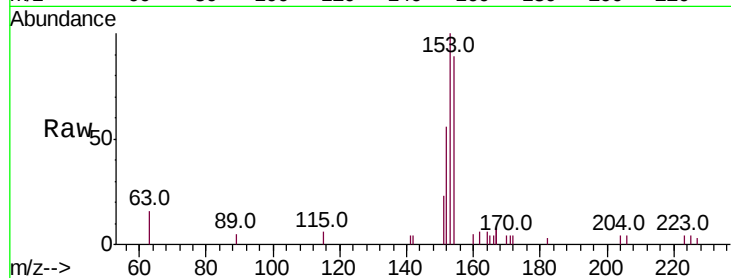




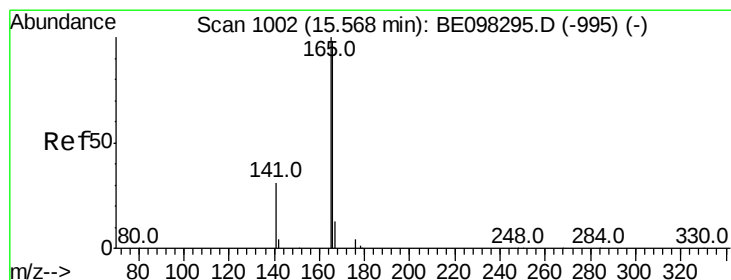
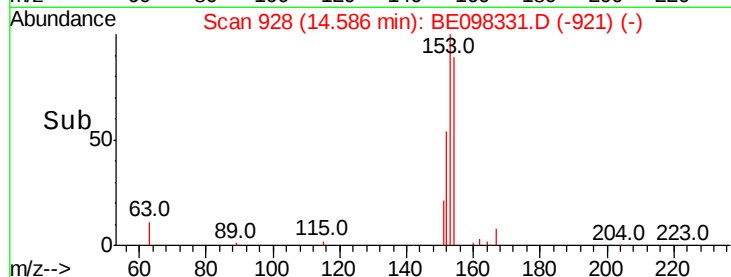
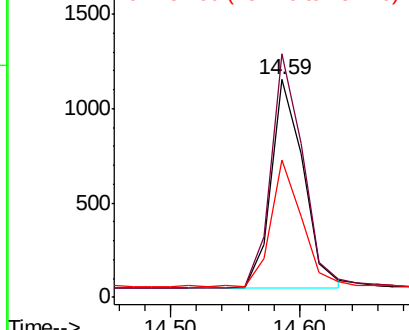
#17
Acenaphthene
Concen: 0.225 ng
RT: 14.59 min Scan# 928
Delta R.T. -0.00 min
Lab File: BE098331.D
Acq: 11 Dec 2018 13:52

Instrument :
BNA_E
ClientSampleId :
PB115391BSD

Tot Ion:154 Resp: 1929
Ion Ratio Lower Upper
154 100
153 110.6 91.8 137.6
152 58.4 45.5 68.3

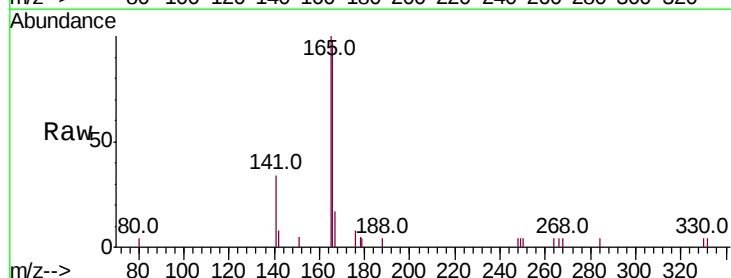


Abundance Ion 154.00 (153.70 to 154.70): E
Ion 153.00 (152.70 to 153.70): E
Ion 152.00 (151.70 to 152.70): E

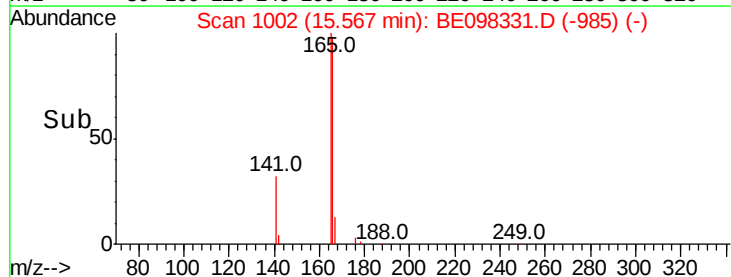
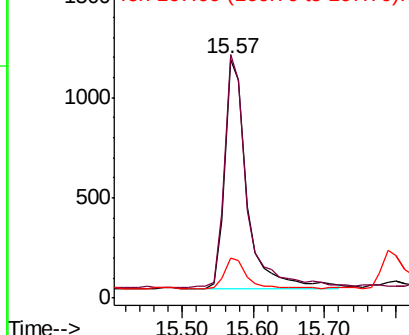


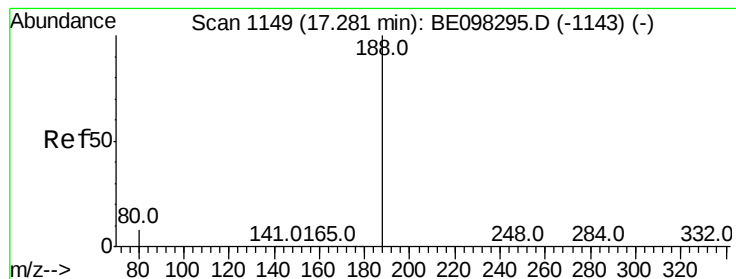
#18
Fluorene
Concen: 0.218 ng
RT: 15.57 min Scan# 1002
Delta R.T. -0.00 min
Lab File: BE098331.D
Acq: 11 Dec 2018 13:52

Tgt Ion:166 Resp: 2499
Ion Ratio Lower Upper
166 100
165 101.5 79.3 118.9
167 13.2 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: BE098331.D

Acq: 11 Dec 2018 13:52

Instrument :

BNA_E

ClientSampleId :

PB115391BSD

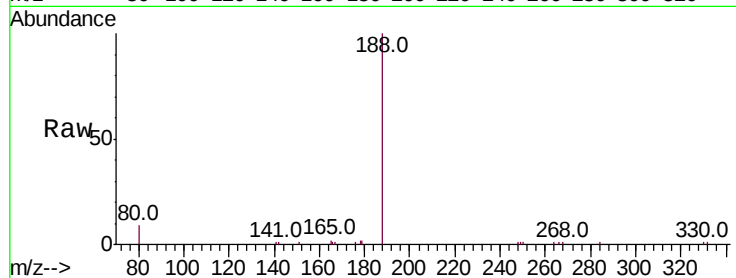
Tot Ion:188 Resp: 7752

Ion Ratio Lower Upper

188 100

94 0.0 0.0 0.0

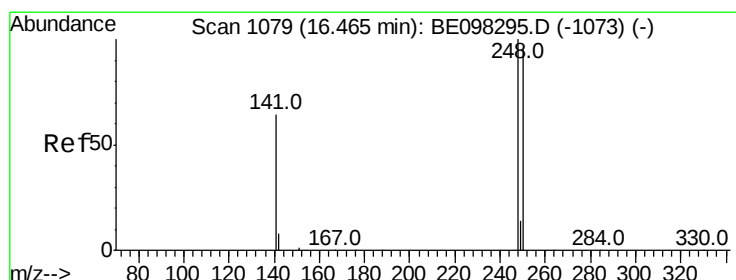
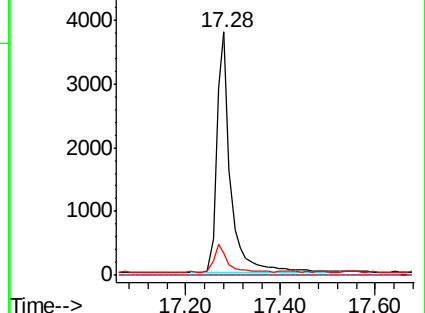
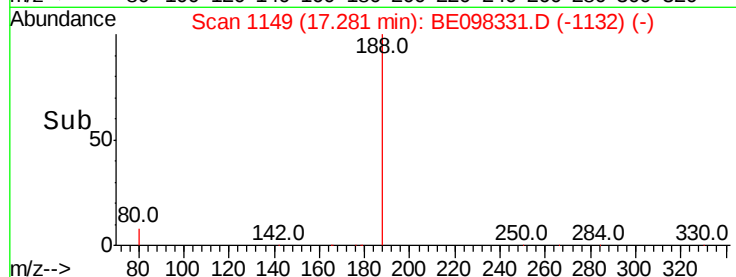
80 9.2 7.2 10.8



Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BE0

Ion 80.00 (79.70 to 80.70): BE0



#20

4-Bromophenyl-phenylether

Concen: 0.197 ng

RT: 16.46 min Scan# 1079

Delta R.T. -0.00 min

Lab File: BE098331.D

Acq: 11 Dec 2018 13:52

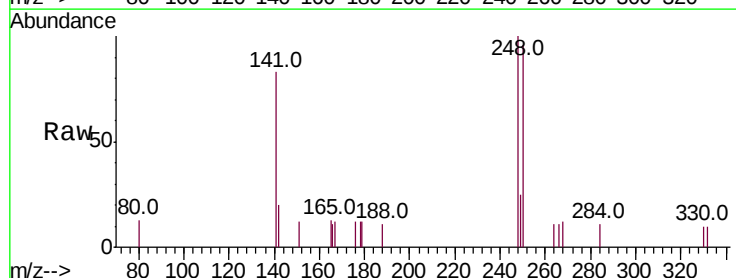
Tgt Ion:248 Resp: 821

Ion Ratio Lower Upper

248 100

250 95.7 71.0 106.6

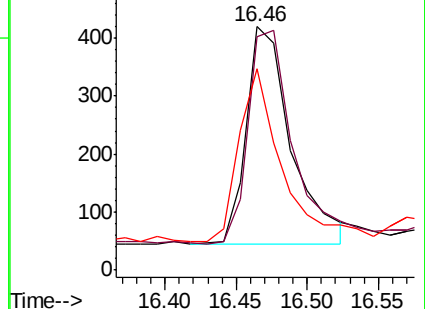
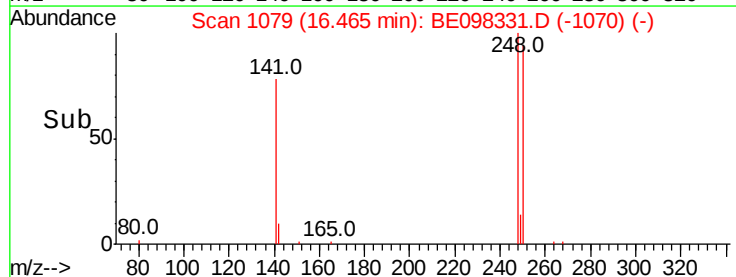
141 82.6 62.1 93.1

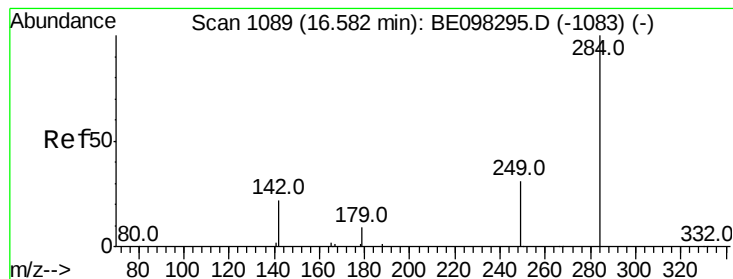


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E





#21

Hexachlorobenzene

Concen: 0.212 ng

RT: 16.58 min Scan# 1089

Delta R.T. -0.00 min

Lab File: BE098331.D

Acq: 11 Dec 2018 13:52

Instrument :

BNA_E

ClientSampleId :

PB115391BSD

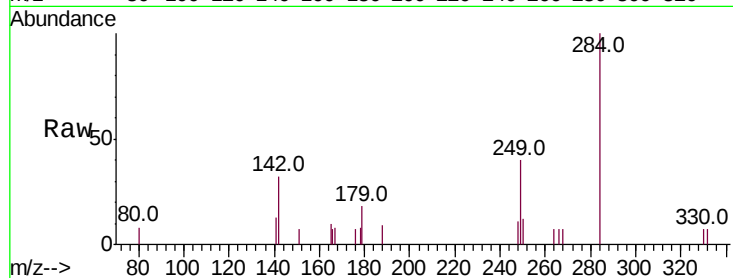
Tot Ion:284 Resp: 953

Ion Ratio Lower Upper

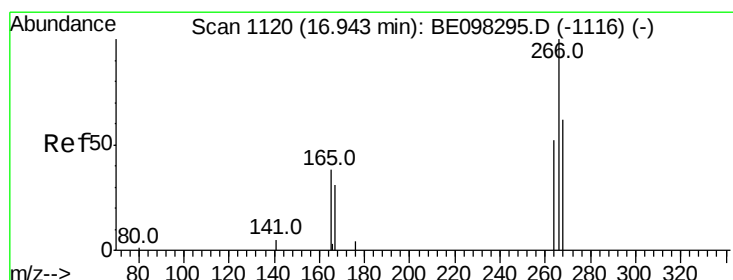
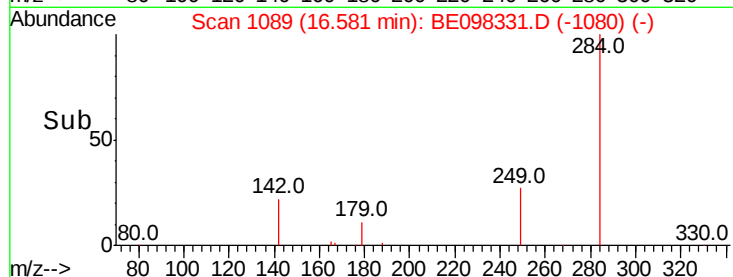
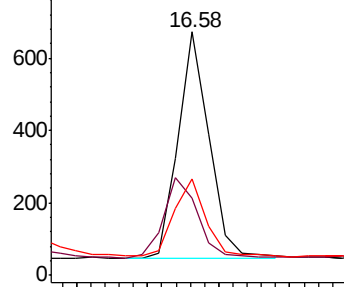
284 100

142 37.8 26.3 39.5

249 34.2 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: 0.304 ng

RT: 16.95 min Scan# 1121

Delta R.T. 0.01 min

Lab File: BE098331.D

Acq: 11 Dec 2018 13:52

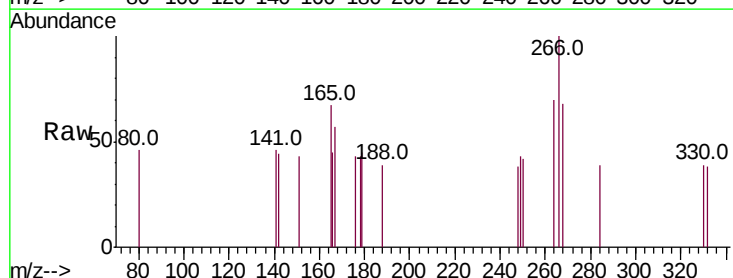
Tgt Ion:266 Resp: 210

Ion Ratio Lower Upper

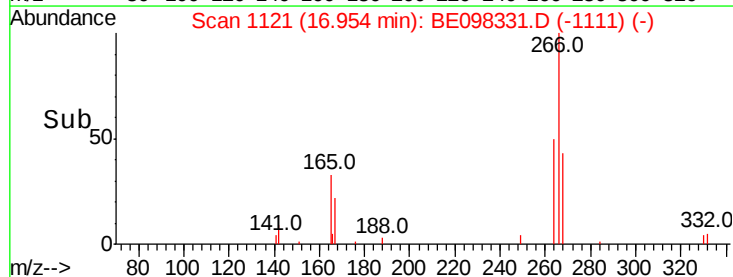
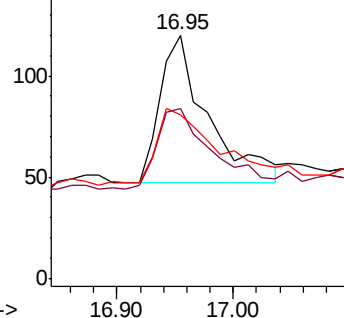
266 100

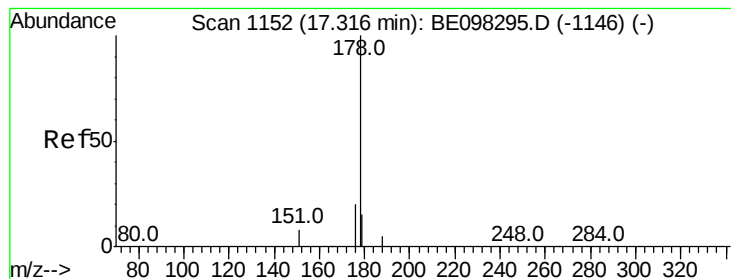
264 70.0 59.0 88.4

268 67.5 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: 0.223 ng

RT: 17.32 min Scan# 1152

Delta R.T. -0.00 min

Lab File: BE098331.D

Acq: 11 Dec 2018 13:52

Instrument :

BNA_E

ClientSampleId :

PB115391BSD

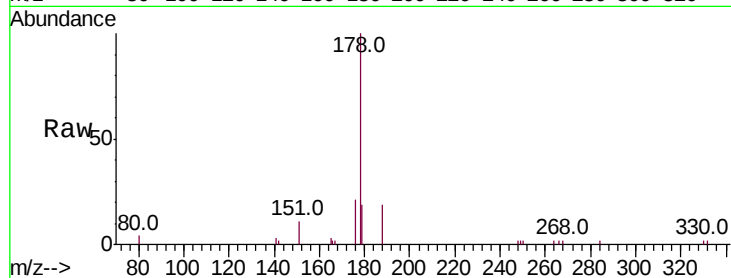
Tot Ion:178 Resp: 4204

Ion Ratio Lower Upper

178 100

176 19.0 15.9 23.9

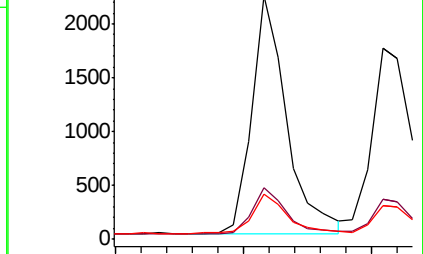
179 17.2 12.3 18.5



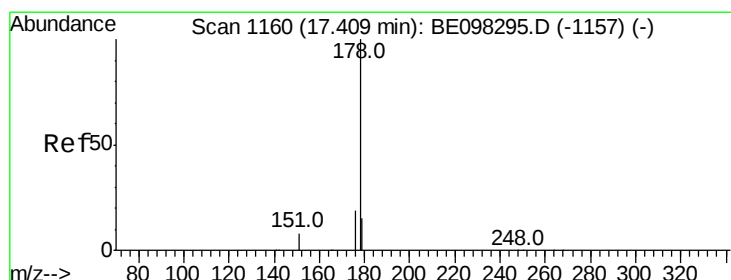
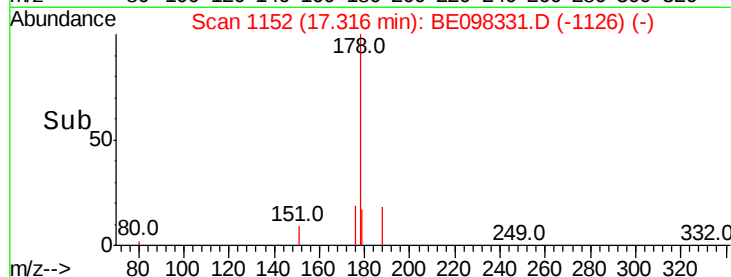
Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



Time--> 17.20 17.30 17.40



#24

Anthracene

Concen: 0.219 ng

RT: 17.41 min Scan# 1160

Delta R.T. -0.00 min

Lab File: BE098331.D

Acq: 11 Dec 2018 13:52

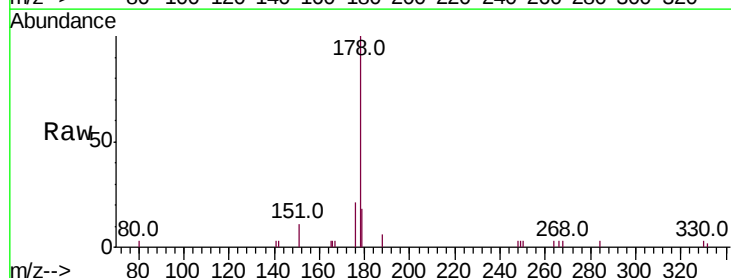
Tgt Ion:178 Resp: 3674

Ion Ratio Lower Upper

178 100

176 18.0 15.0 22.4

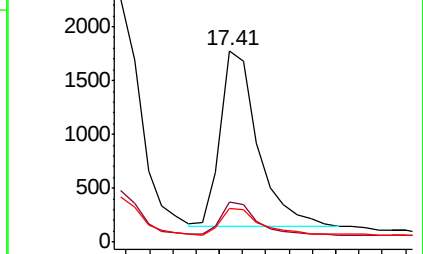
179 16.0 12.3 18.5



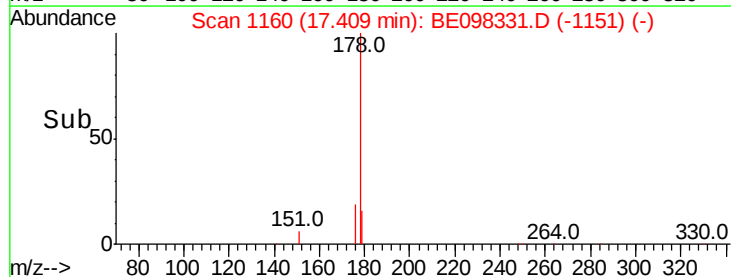
Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



Time--> 17.40 17.50





#25

Fluoranthene-d10

Concen: 0.243 ng

RT: 19.31 min Scan# 1433

Delta R.T. -0.00 min

Lab File: BE098331.D

Acq: 11 Dec 2018 13:52

Instrument :

BNA_E

ClientSampleId :

PB115391BSD

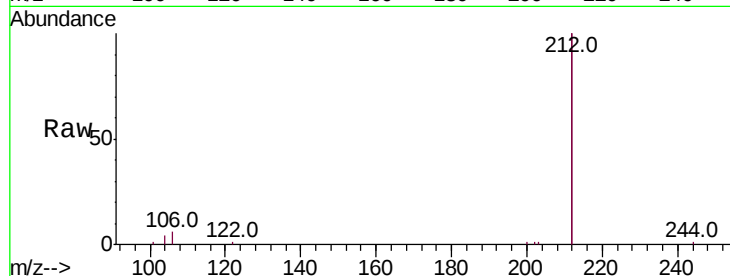
Tot Ion:212 Resp: 24143

Ion Ratio Lower Upper

212 100

106 2.5 2.2 3.2

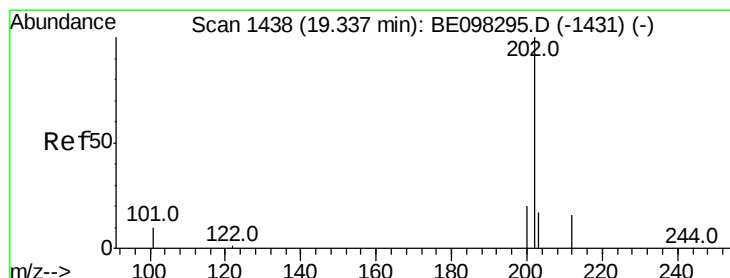
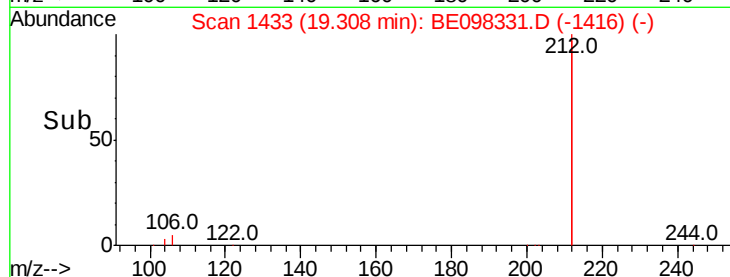
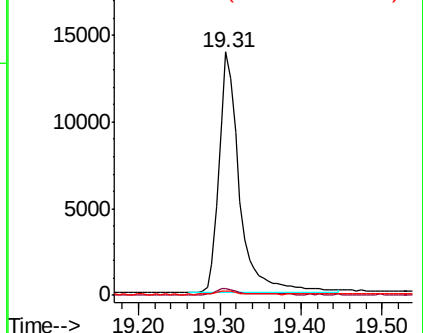
104 1.6 1.3 1.9



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: 0.244 ng

RT: 19.34 min Scan# 1439

Delta R.T. 0.01 min

Lab File: BE098331.D

Acq: 11 Dec 2018 13:52

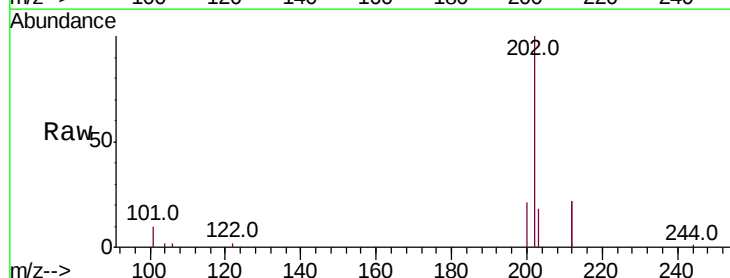
Tgt Ion:202 Resp: 6085

Ion Ratio Lower Upper

202 100

101 9.4 8.0 12.0

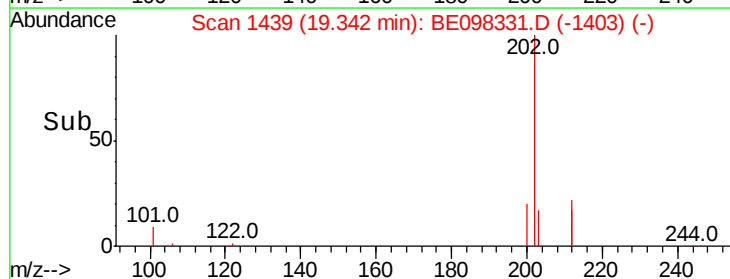
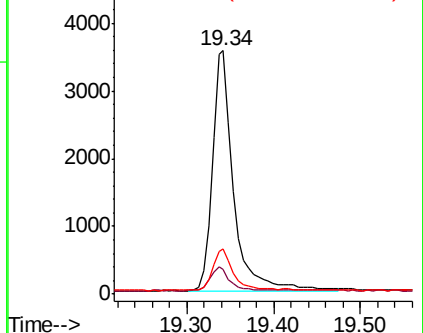
203 16.7 13.8 20.6



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: BE098331.D

Acq: 11 Dec 2018 13:52

Instrument :

BNA_E

ClientSampleId :

PB115391BSD

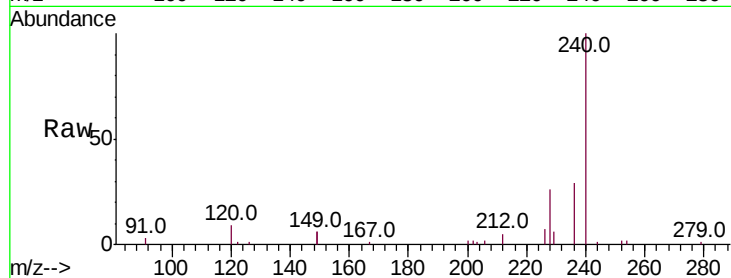
Tot Ion:240 Resp: 10436

Ion Ratio Lower Upper

240 100

120 8.5 9.5 14.3#

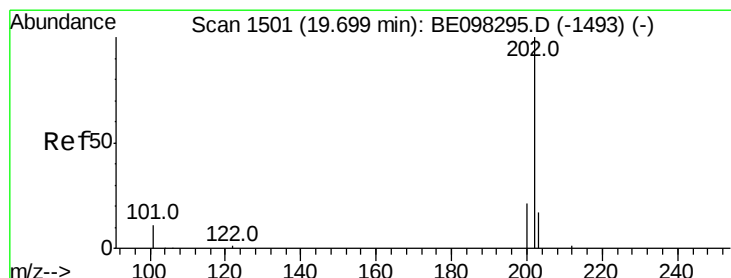
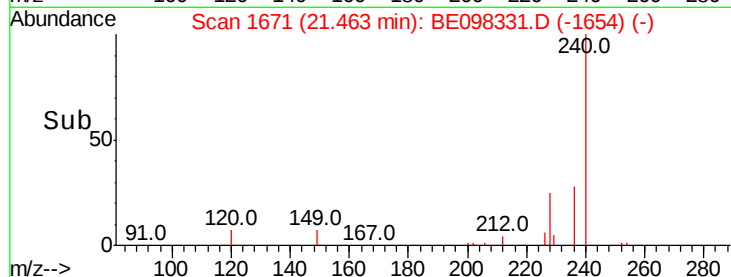
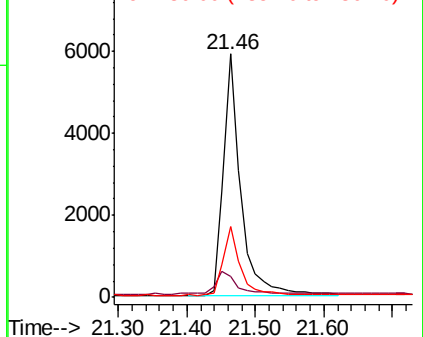
236 28.9 22.7 34.1



Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E



#28

Pyrene

Concen: 0.185 ng

RT: 19.70 min Scan# 1502

Delta R.T. 0.01 min

Lab File: BE098331.D

Acq: 11 Dec 2018 13:52

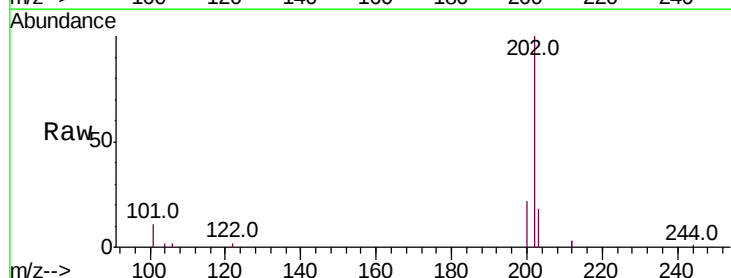
Tgt Ion:202 Resp: 6062

Ion Ratio Lower Upper

202 100

200 21.6 16.7 25.1

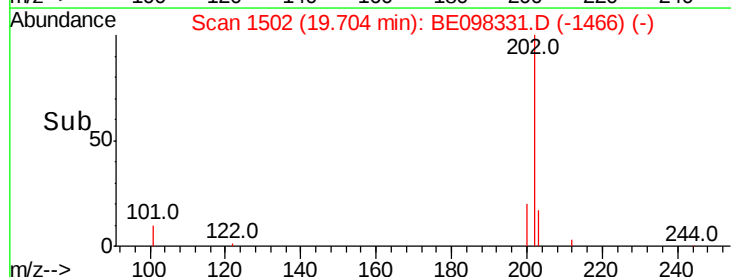
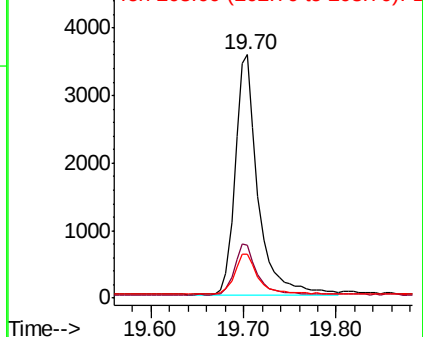
203 18.3 14.1 21.1

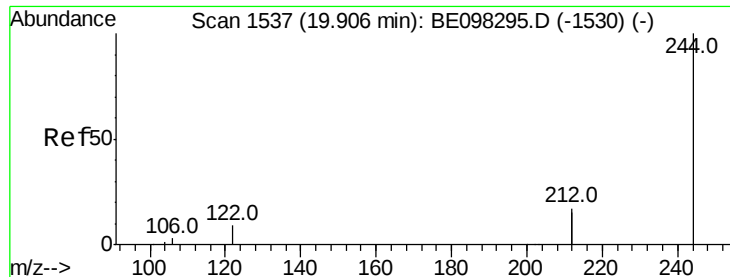


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#29

Terphenyl-d14

Concen: 0.182 ng

RT: 19.91 min Scan# 1537

Delta R.T. -0.00 min

Lab File: BE098331.D

Acq: 11 Dec 2018 13:52

Instrument :

BNA_E

ClientSampleId :

PB115391BSD

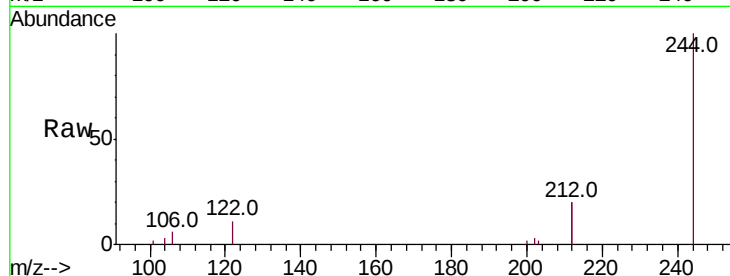
Tot Ion:244 Resp: 4605

Ion Ratio Lower Upper

244 100

212 40.1 27.4 41.0

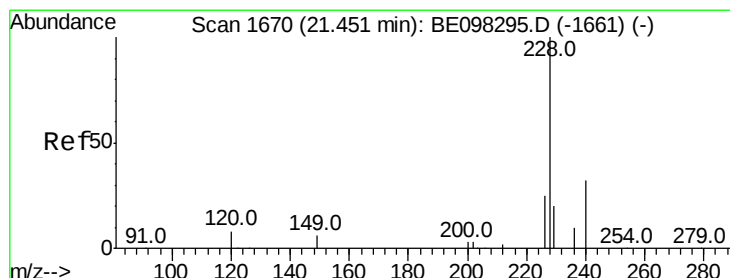
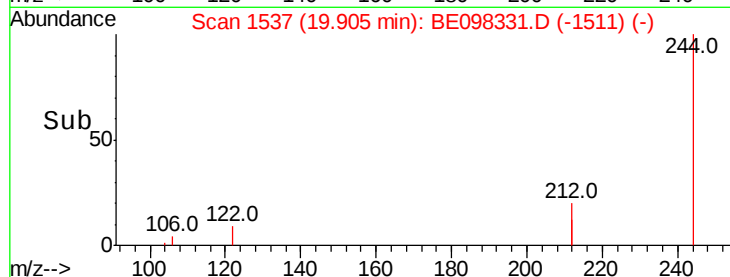
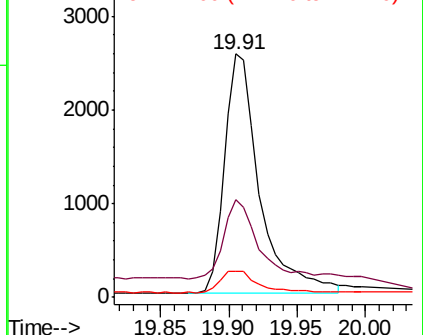
122 10.8 8.3 12.5



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: 0.219 ng

RT: 21.45 min Scan# 1670

Delta R.T. -0.00 min

Lab File: BE098331.D

Acq: 11 Dec 2018 13:52

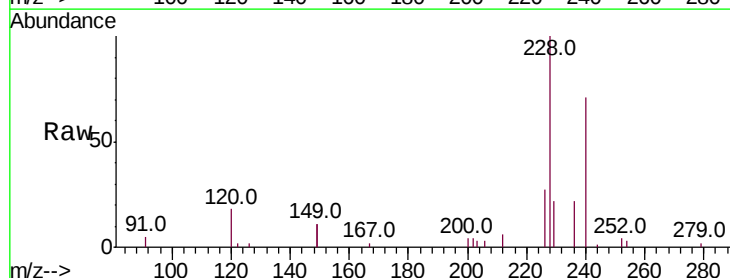
Tgt Ion:228 Resp: 6494

Ion Ratio Lower Upper

228 100

226 27.0 21.8 32.8

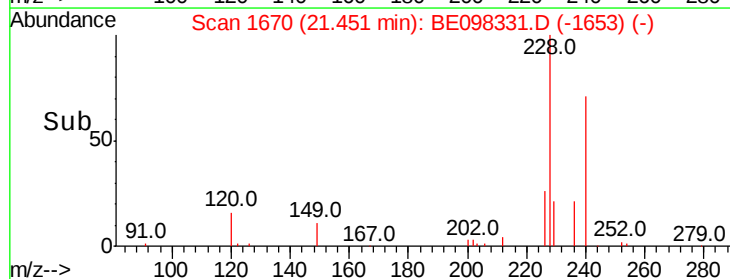
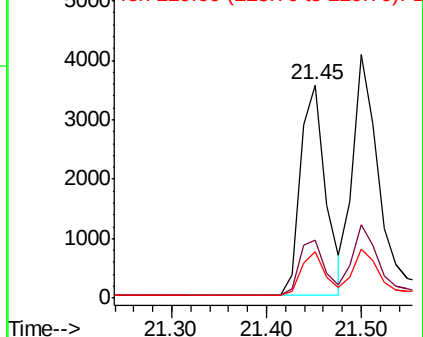
229 21.9 16.3 24.5



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: 0.234 ng

RT: 21.50 min Scan# 1674

Delta R.T. -0.00 min

Lab File: BE098331.D

Acq: 11 Dec 2018 13:52

Instrument :

BNA_E

ClientSampleId :

PB115391BSD

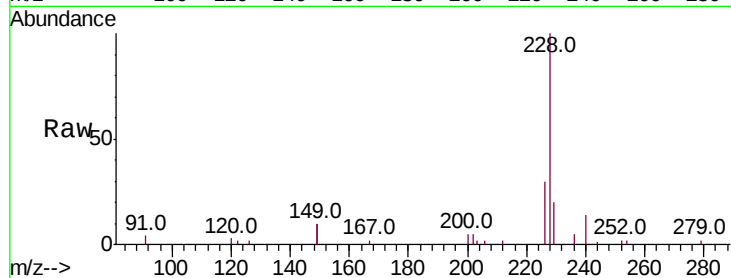
Tot Ion:228 Resp: 7294

Ion Ratio Lower Upper

228 100

226 30.4 23.4 35.0

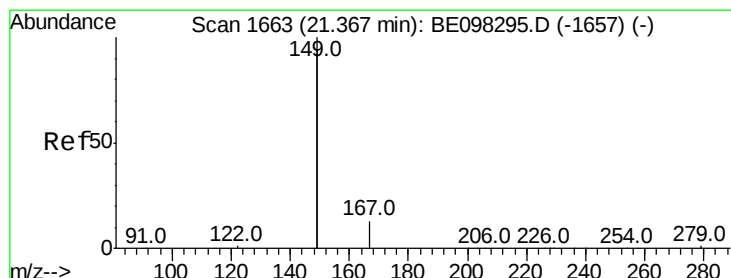
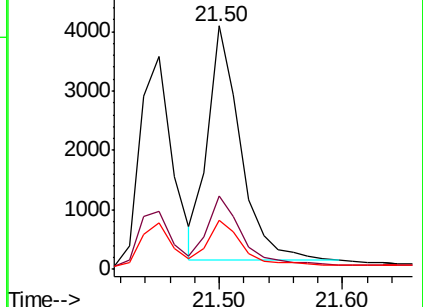
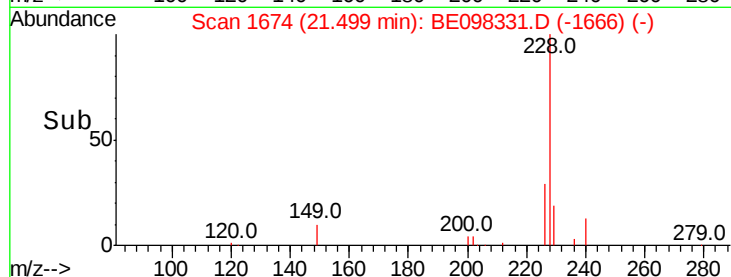
229 20.1 16.2 24.4



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: 0.175 ng

RT: 21.37 min Scan# 1663

Delta R.T. -0.00 min

Lab File: BE098331.D

Acq: 11 Dec 2018 13:52

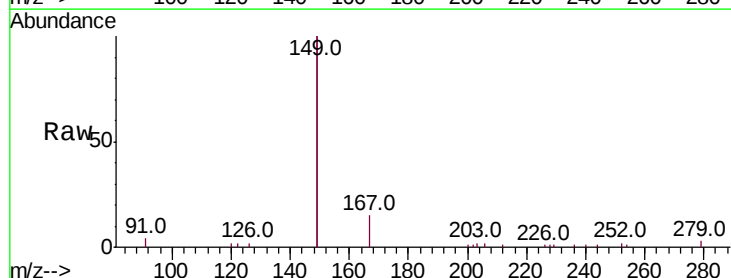
Tgt Ion:149 Resp: 10585

Ion Ratio Lower Upper

149 100

167 6.9 5.7 8.5

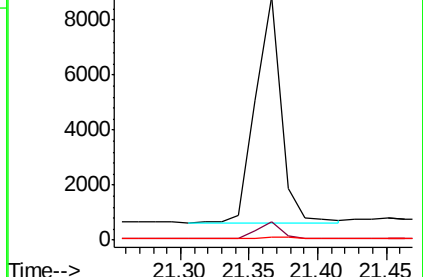
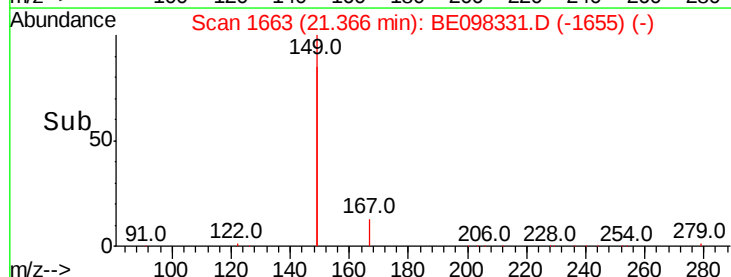
279 1.1 1.0 1.4

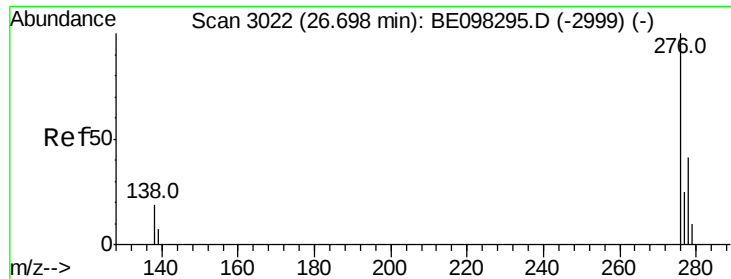


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E

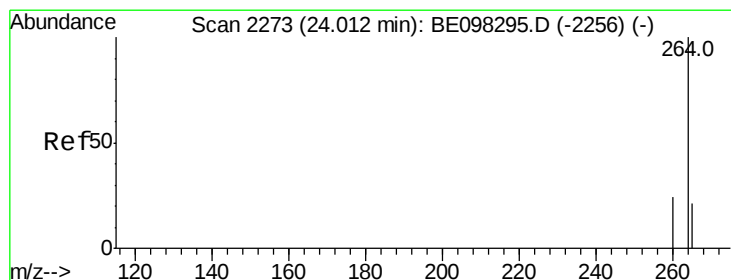
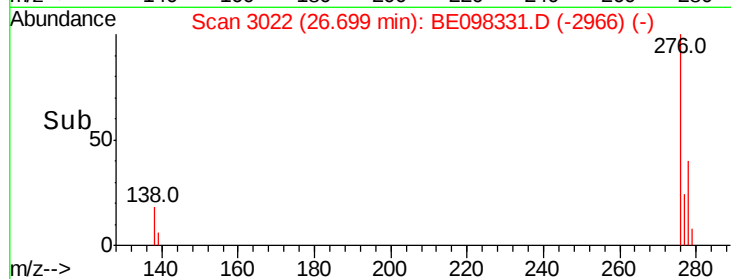
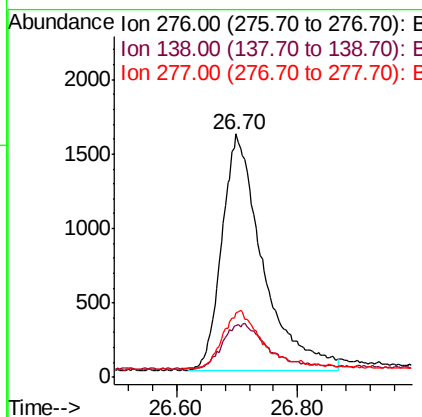
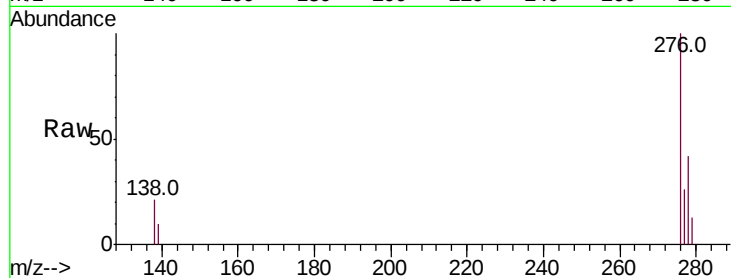




#33
 Indeno(1,2,3-cd)pyrene
 Concen: 0.239 ng
 RT: 26.70 min Scan# 3022
 Delta R.T. 0.00 min
 Lab File: BE098331.D
 Acq: 11 Dec 2018 13:52

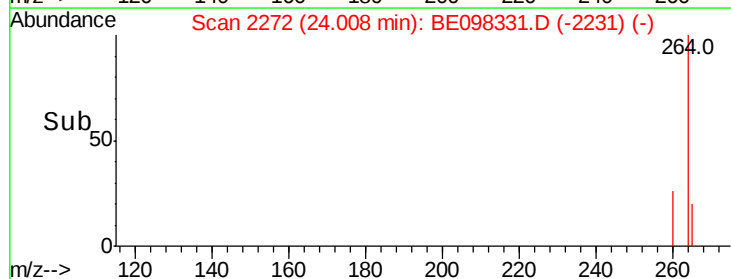
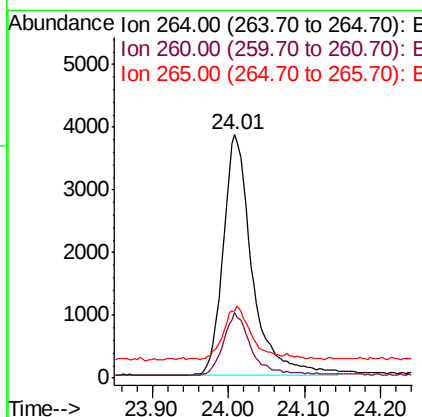
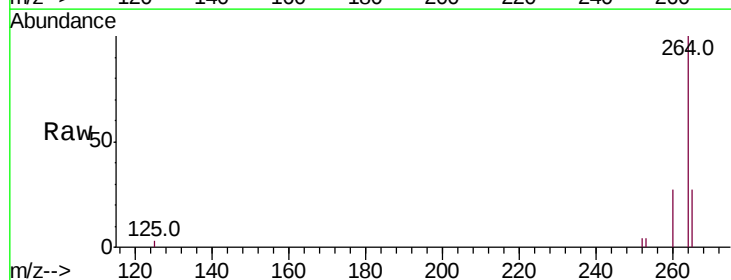
Instrument :
 BNA_E
 ClientSampleId :
 PB115391BSD

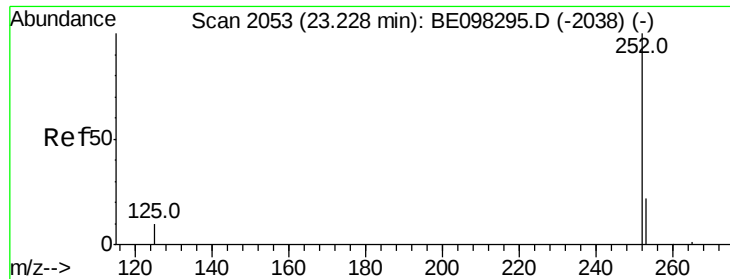
Tot Ion:276 Resp: 7396
 Ion Ratio Lower Upper
 276 100
 138 20.1 16.3 24.5
 277 22.8 20.2 30.4



#34
 Perylene-d12
 Concen: 0.400 ng
 RT: 24.01 min Scan# 2272
 Delta R.T. -0.00 min
 Lab File: BE098331.D
 Acq: 11 Dec 2018 13:52

Tgt Ion:264 Resp: 10041
 Ion Ratio Lower Upper
 264 100
 260 27.1 20.2 30.2
 265 27.3 25.2 37.8





#35

Benzo(b)fluoranthene

Concen: 0.234 ng

RT: 23.23 min Scan# 2053

Delta R.T. -0.00 min

Lab File: BE098331.D

Acq: 11 Dec 2018 13:52

Instrument :

BNA_E

ClientSampleId :

PB115391BSD

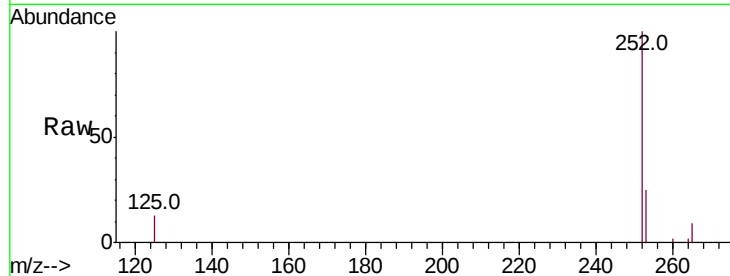
Tot Ion:252 Resp: 6415

Ion Ratio Lower Upper

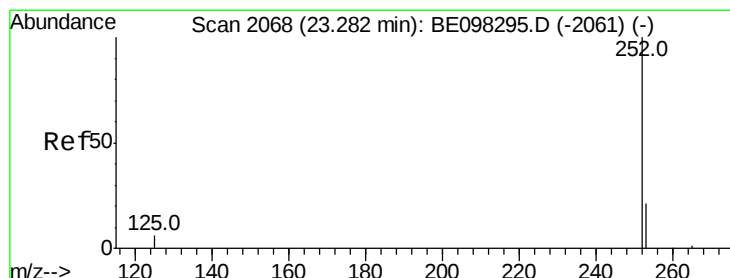
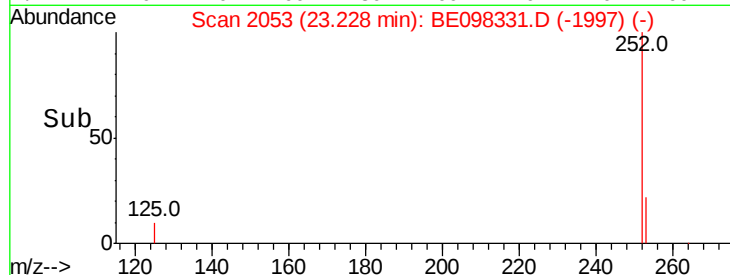
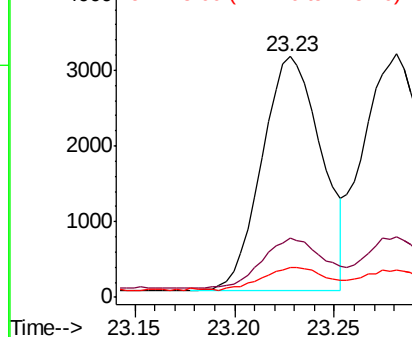
252 100

253 24.8 20.0 30.0

125 12.6 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: 0.243 ng

RT: 23.28 min Scan# 2068

Delta R.T. -0.00 min

Lab File: BE098331.D

Acq: 11 Dec 2018 13:52

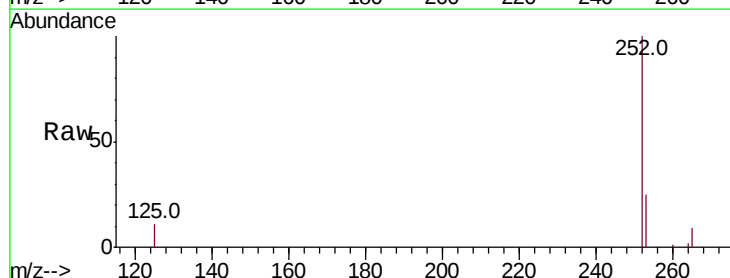
Tgt Ion:252 Resp: 7788

Ion Ratio Lower Upper

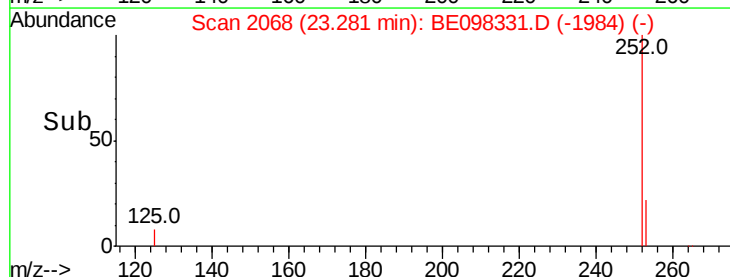
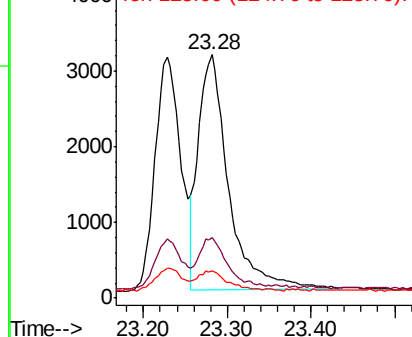
252 100

253 24.8 19.0 28.6

125 11.3 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: 0.245 ng

RT: 23.89 min Scan# 2240

Delta R.T. -0.00 min

Lab File: BE098331.D

Acq: 11 Dec 2018 13:52

Instrument :

BNA_E

ClientSampleId :

PB115391BSD

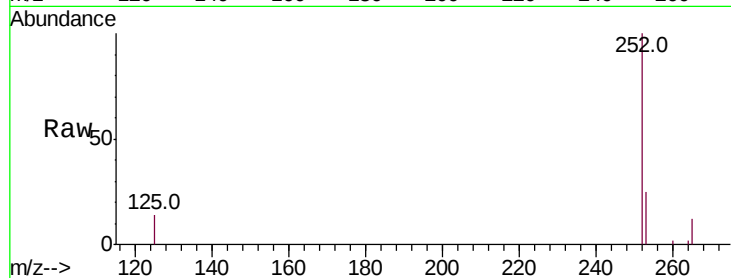
Tot Ion:252 Resp: 6940

Ion Ratio Lower Upper

252 100

253 24.7 20.6 30.8

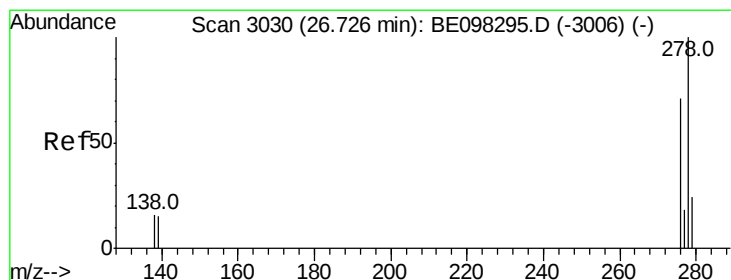
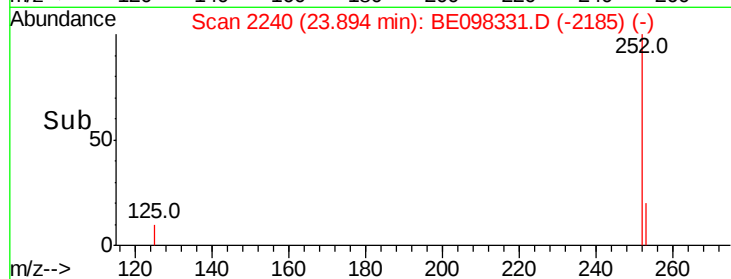
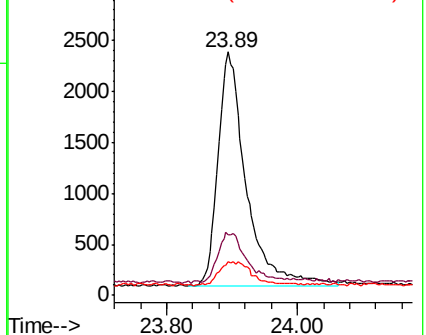
125 13.8 10.5 15.7



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: 0.229 ng

RT: 26.73 min Scan# 3031

Delta R.T. 0.00 min

Lab File: BE098331.D

Acq: 11 Dec 2018 13:52

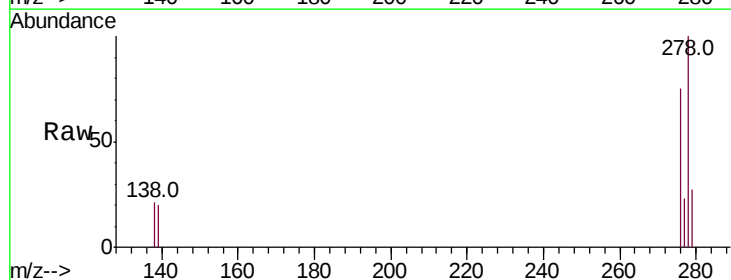
Tgt Ion:278 Resp: 6110

Ion Ratio Lower Upper

278 100

139 19.7 14.5 21.7

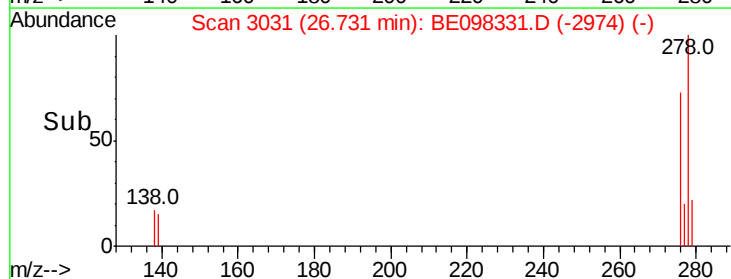
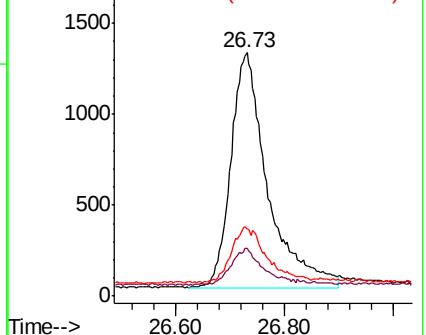
279 27.4 21.8 32.8

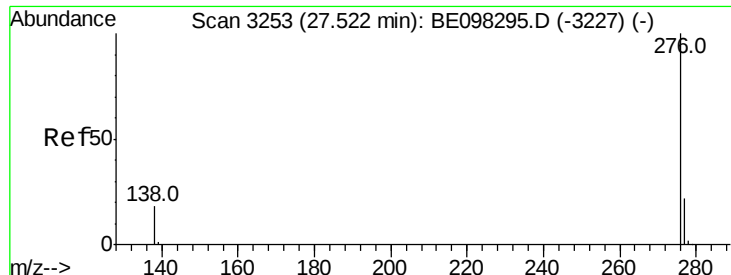


Abundance Ion 278.00 (277.70 to 278.70): E

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: 0.246 ng

RT: 27.52 min Scan# 3253

Delta R.T. 0.00 min

Lab File: BE098331.D

Acq: 11 Dec 2018 13:52

Instrument :

BNA_E

ClientSampleId :

PB115391BSD

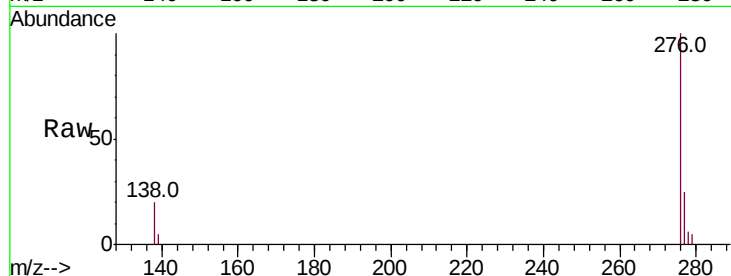
Tot Ion:276 Resp: 6628

Ion Ratio Lower Upper

276 100

277 25.3 20.8 31.2

138 20.2 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

