

Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE030619\
 Data File : BE098792.D
 Acq On : 6 Mar 2019 10:53
 Operator : JU/SJ
 Sample : SSTDICC0.1
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 PB117669TB

Quant Time: Mar 06 13:26:48 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA E\METHODS\8270-SIM-BE030619.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Mar 06 13:20:41 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.80	152	701	0.40	ng	0.00
7) Naphthalene-d8	10.59	136	2921	0.40	ng	0.00
13) Acenaphthene-d10	14.47	164	1968	0.40	ng	0.01
19) Phenanthrene-d10	17.21	188	5336	0.40	ng	0.00
27) Chrysene-d12	21.40	240	7189	0.40	ng	0.00
34) Perylene-d12	23.91	264	7132	0.40	ng	0.00

System Monitoring Compounds						
4) 2-Fluorophenol	5.39	112	218	0.12	ng	0.00
5) Phenol-d6	7.00	99	314	0.12	ng	0.02
8) Nitrobenzene-d5	8.99	82	293	0.13	ng	0.02
11) 2-Methylnaphthalene-d10	12.21	152	543	0.11	ng	0.01
14) 2,4,6-Tribromophenol	15.98	330	88	0.10	ng	0.01
15) 2-Fluorobiphenyl	13.09	172	827	0.10	ng	0.00
25) Fluoranthene-d10	19.25	212	8519	0.13	ng	0.00
29) Terphenyl-d14	19.85	244	1745	0.11	ng	0.00

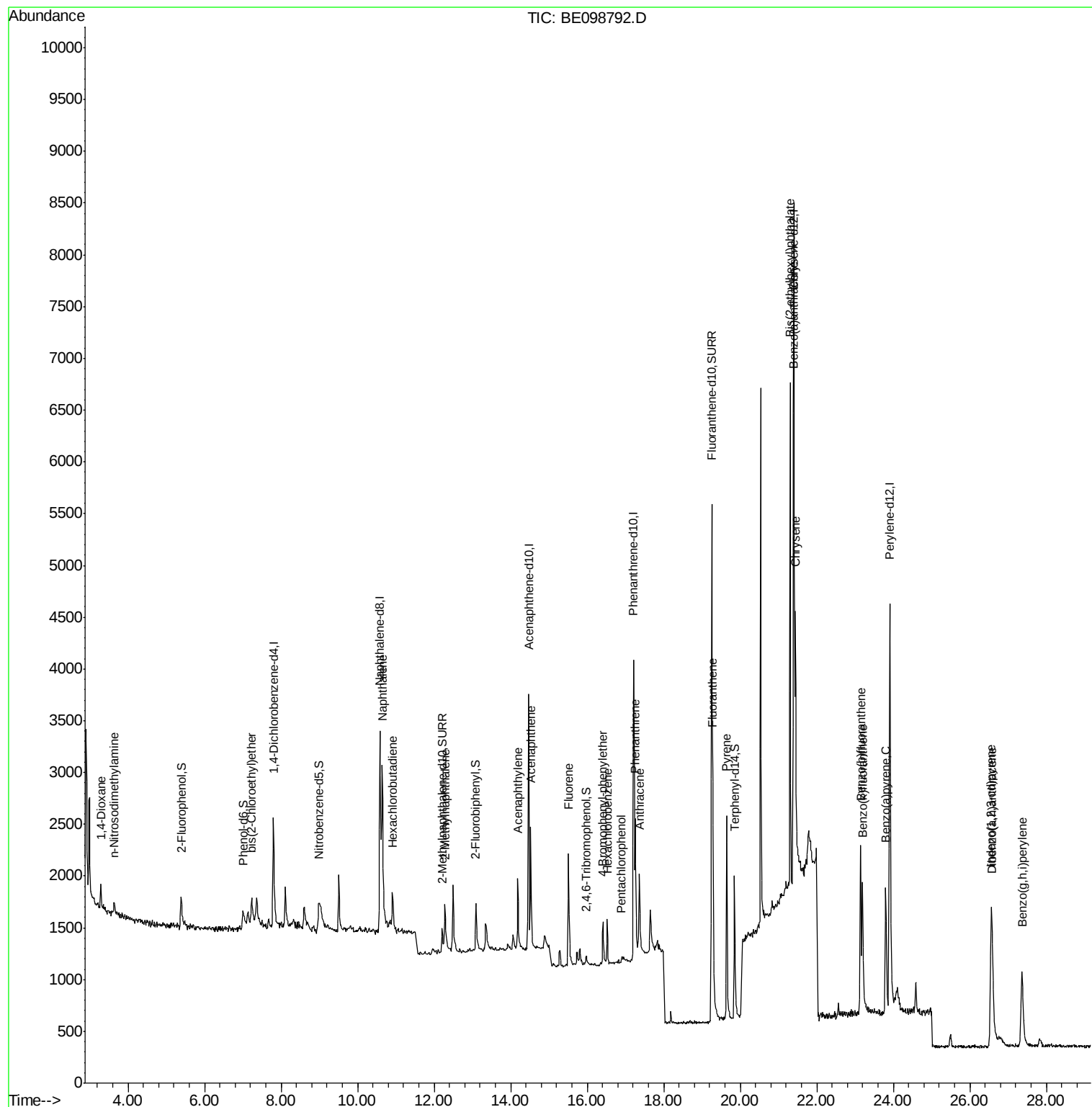
Target Compounds				Qvalue		
2) 1,4-Dioxane	3.29	88	206	0.149	ng	# 80
3) n-Nitrosodimethylamine	3.63	42	150	0.148	ng	# 14
6) bis(2-Chloroethyl)ether	7.23	93	240	0.119	ng	# 93
9) Naphthalene	10.64	128	3350	0.115	ng	# 94
10) Hexachlorobutadiene	10.91	225	249	0.120	ng	# 93
12) 2-Methylnaphthalene	12.28	142	497	0.103	ng	# 89
16) Acenaphthylene	14.18	152	964	0.113	ng	# 99
17) Acenaphthene	14.53	154	574	0.107	ng	# 97
18) Fluorene	15.51	166	853	0.123	ng	# 99
20) 4-Bromophenyl-phenylether	16.41	248	247	0.087	ng	# 84
21) Hexachlorobenzene	16.52	284	373	0.109	ng	# 98
22) Pentachlorophenol	16.89	266	67	0.067	ng	# 99
23) Phenanthrene	17.25	178	1524	0.121	ng	# 97
24) Anthracene	17.36	178	1176	0.109	ng	# 96
26) Fluoranthene	19.28	202	2134	0.131	ng	# 99
28) Pyrene	19.64	202	2246	0.113	ng	# 96
30) Benzo(a)anthracene	21.39	228	2112	0.109	ng	# 96
31) Chrysene	21.44	228	2435	0.122	ng	# 97
32) Bis(2-ethylhexyl)phthalate	21.31	149	5463	0.133	ng	# 99
33) Indeno(1,2,3-cd)pyrene	26.55	276	2460	0.119	ng	# 95
35) Benzo(b)fluoranthene	23.15	252	2269	0.117	ng	# 74
36) Benzo(k)fluoranthene	23.20	252	2243	0.105	ng	# 83
37) Benzo(a)pyrene	23.80	252	2208	0.116	ng	# 67
38) Dibenzo(a,h)anthracene	26.58	278	1940	0.115	ng	# 76
39) Benzo(g,h,i)perylene	27.36	276	2214	0.119	ng	# 87

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

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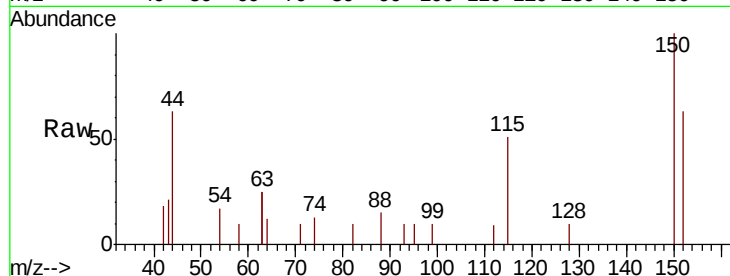


#1

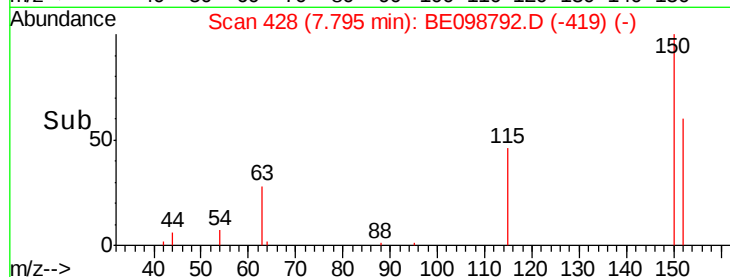
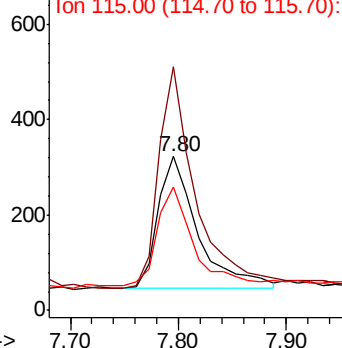
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.80 min Scan# 428
Delta R.T. 0.00 min
Lab File: BE098792.D
Acq: 6 Mar 2019 10:53

Instrument :
BNA_E
ClientSampleId :
PB117669TB

Tot Ion:152 Resp: 701
Ion Ratio Lower Upper
152 100
150 158.2 122.5 183.7
115 80.2 57.4 86.2



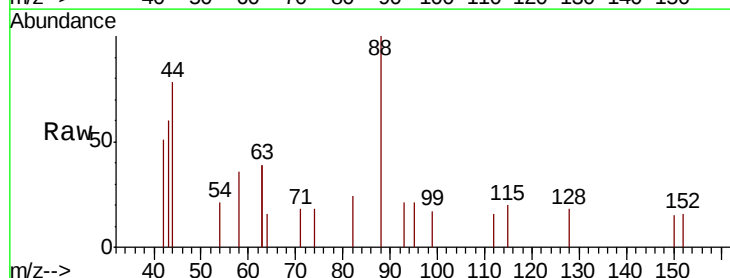
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



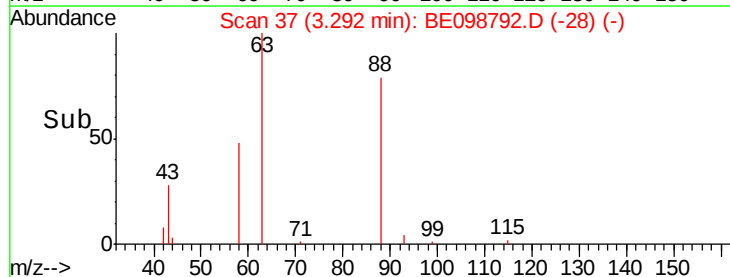
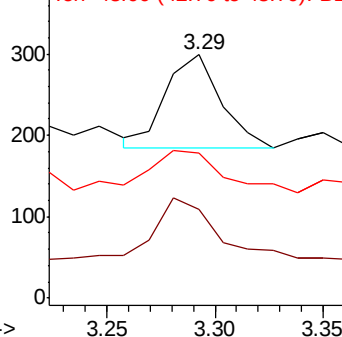
#2

1,4-Dioxane
Concen: 0.149 ng
RT: 3.29 min Scan# 37
Delta R.T. 0.00 min
Lab File: BE098792.D
Acq: 6 Mar 2019 10:53

Tgt Ion: 88 Resp: 206
Ion Ratio Lower Upper
88 100
58 72.8 75.8 113.6#
43 63.6 41.8 62.8#



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



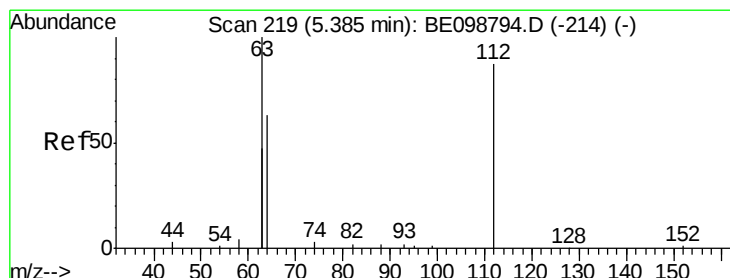
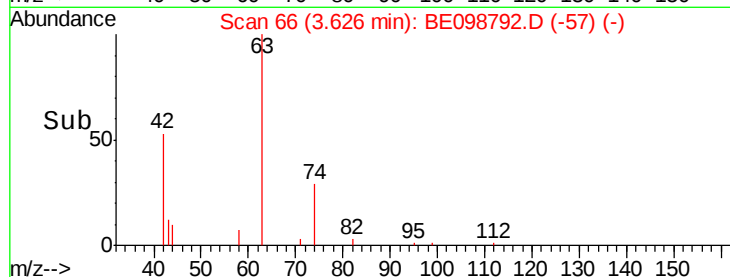
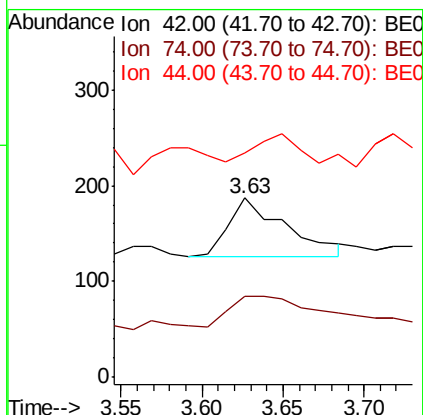
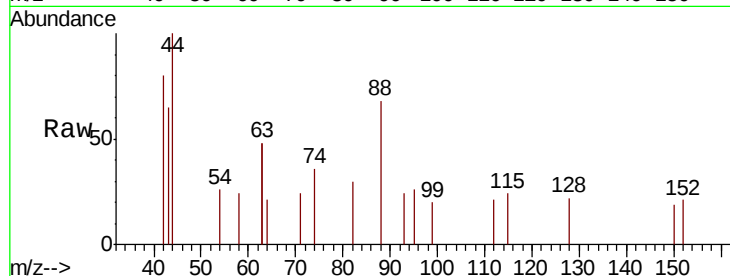


#3

n-Nitrosodimethylamine
 Concen: 0.148 ng
 RT: 3.63 min Scan# 66
 Delta R.T. 0.00 min
 Lab File: BE098792.D
 Acq: 6 Mar 2019 10:53

Instrument :
 BNA_E
 ClientSampleId :
 PB117669TB

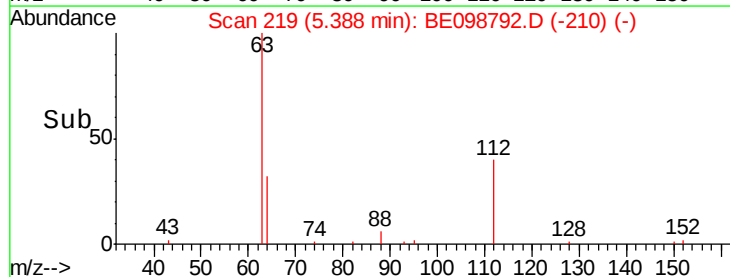
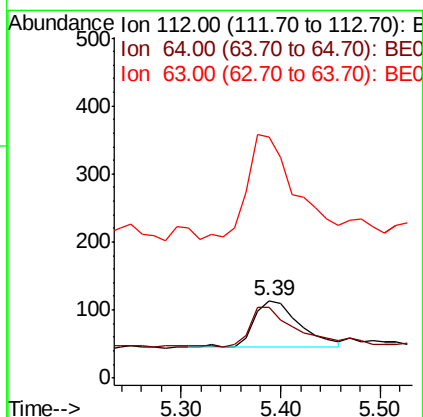
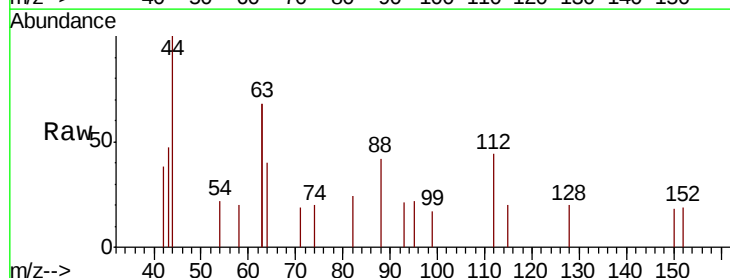
Tot Ion: 42 Resp: 150
 Ion Ratio Lower Upper
 42 100
 74 0.0 57.0 85.4#
 44 0.0 0.0 0.0



#4

2-Fluorophenol
 Concen: 0.117 ng
 RT: 5.39 min Scan# 219
 Delta R.T. 0.00 min
 Lab File: BE098792.D
 Acq: 6 Mar 2019 10:53

Tgt Ion: 112 Resp: 218
 Ion Ratio Lower Upper
 112 100
 64 91.7 57.9 86.9#
 63 220.2 158.3 237.5





#5

Phenol-d6

Concen: 0.118 ng

RT: 7.00 min Scan# 359

Delta R.T. 0.02 min

Lab File: BE098792.D

Acq: 6 Mar 2019 10:53

Instrument :

BNA_E

ClientSampleId :

PB117669TB

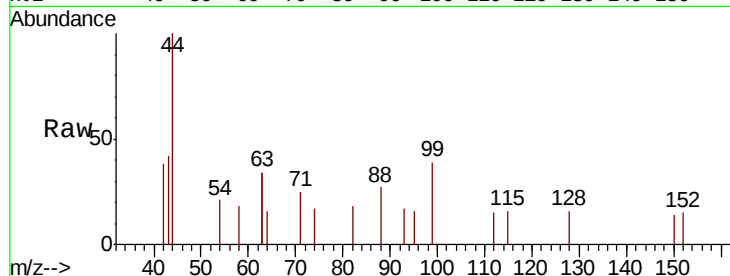
Tot Ion: 99 Resp: 314

Ion Ratio Lower Upper

99 100

42 40.4 24.2 36.2#

71 49.4 35.7 53.5



Abundance Ion 99.00 (98.70 to 99.70): BE0

Ion 42.00 (41.70 to 42.70): BE0

Ion 71.00 (70.70 to 71.70): BE0

7.00

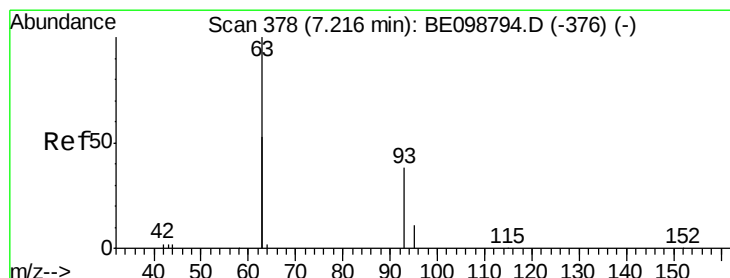
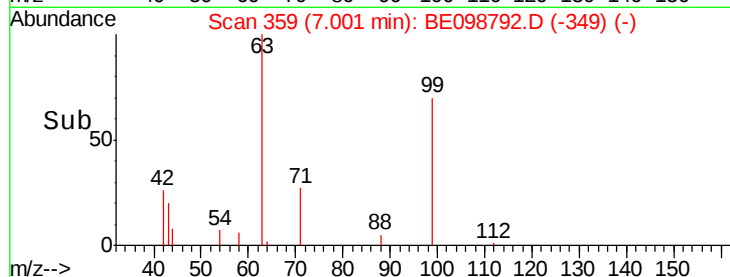
100

50

0

6.80 6.90 7.00 7.10 7.20

Time-->



#6

bis(2-Chloroethyl)ether

Concen: 0.119 ng

RT: 7.23 min Scan# 379

Delta R.T. 0.02 min

Lab File: BE098792.D

Acq: 6 Mar 2019 10:53

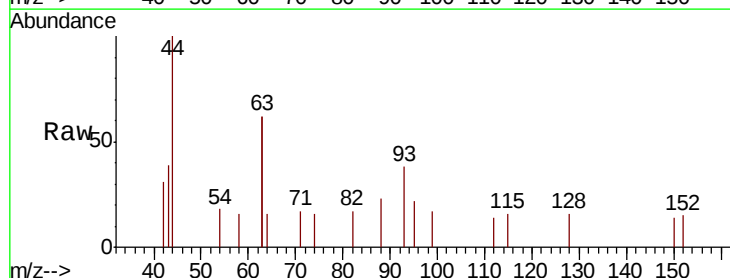
Tgt Ion: 93 Resp: 240

Ion Ratio Lower Upper

93 100

63 297.1 247.5 371.3

95 34.6 21.8 32.8#



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

500

400

300

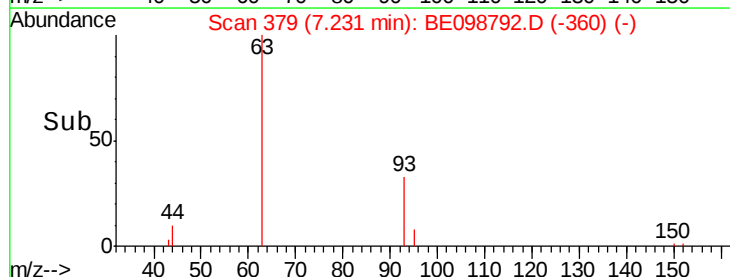
200

100

0

7.20 7.23 7.30 7.40

Time-->





#7

Naphthalene-d8

Concen: 0.400 ng

RT: 10.59 min Scan# 648

Delta R.T. -0.00 min

Lab File: BE098792.D

Acq: 6 Mar 2019 10:53

Instrument :

BNA_E

ClientSampleId :

PB117669TB

Tot Ion:136 Resp: 2921

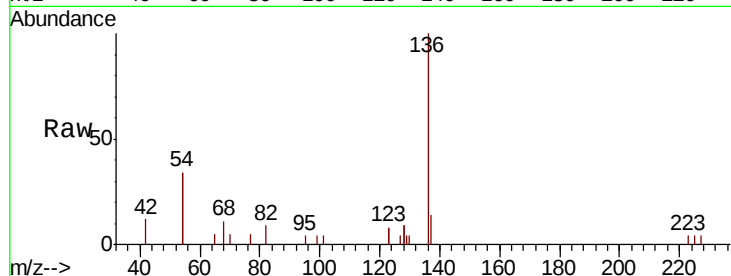
Ion Ratio Lower Upper

136 100

137 13.7 11.4 17.0

54 67.7 39.3 58.9#

68 11.0 6.7 10.1#

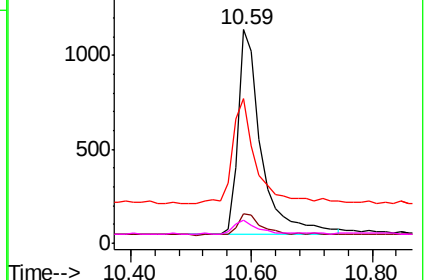
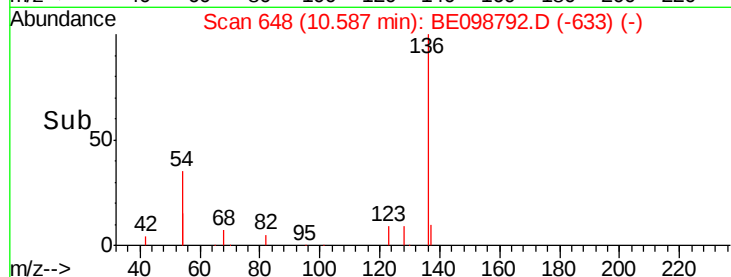


Abundance Ion 136.00 (135.70 to 136.70): E

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: 0.126 ng

RT: 8.99 min Scan# 525

Delta R.T. 0.02 min

Lab File: BE098792.D

Acq: 6 Mar 2019 10:53

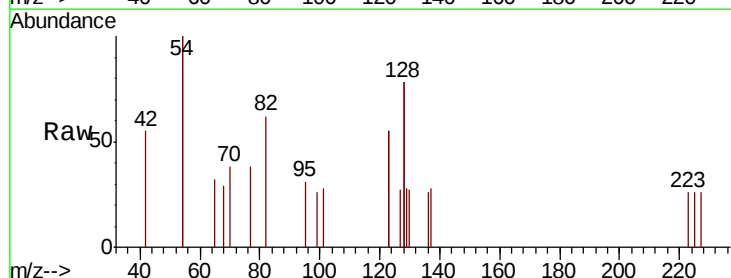
Tgt Ion: 82 Resp: 293

Ion Ratio Lower Upper

82 100

128 250.9 123.8 185.8#

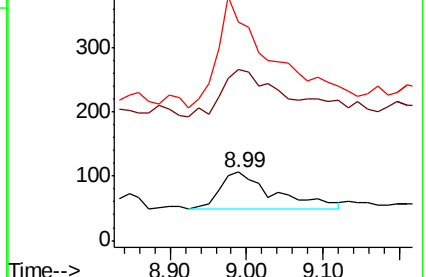
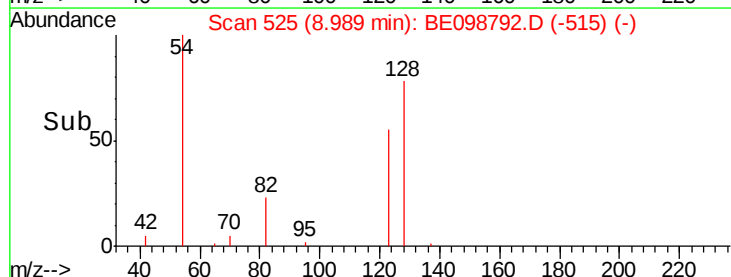
54 320.8 203.4 305.2#

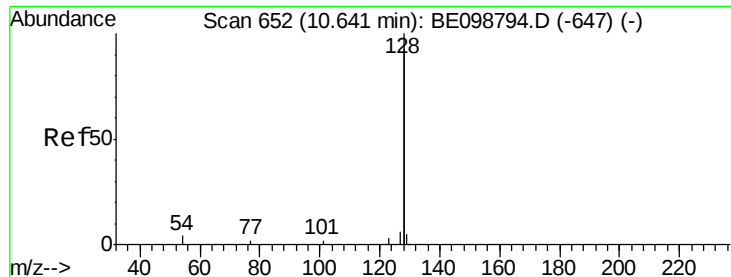


Abundance Ion 82.00 (81.70 to 82.70): BE0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BE0





#9

Naphthalene

Concen: 0.115 ng

RT: 10.64 min Scan# 652

Delta R.T. -0.00 min

Lab File: BE098792.D

Acq: 6 Mar 2019 10:53

Instrument :

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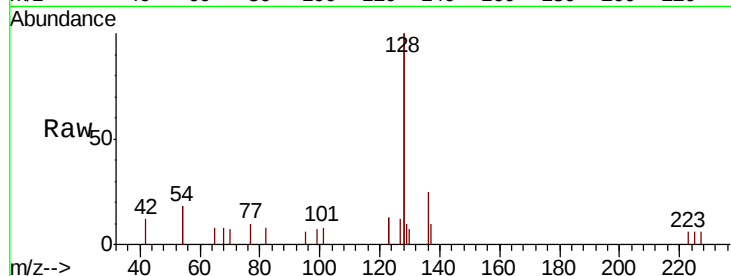
Tot Ion:128 Resp: 3350

Ion Ratio Lower Upper

128 100

129 5.2 2.6 4.0#

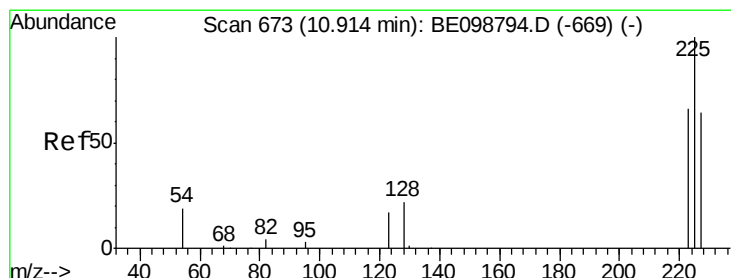
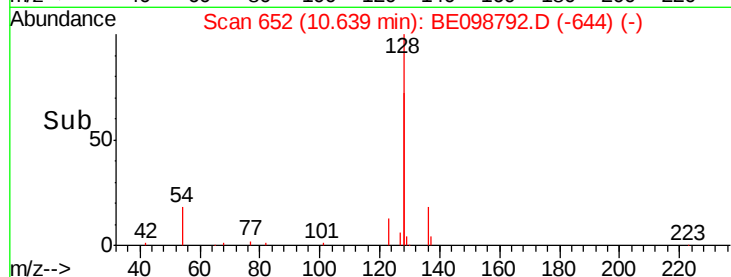
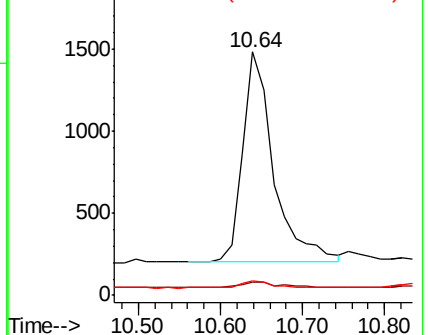
127 6.2 3.1 4.7#



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: 0.120 ng

RT: 10.91 min Scan# 673

Delta R.T. -0.00 min

Lab File: BE098792.D

Acq: 6 Mar 2019 10:53

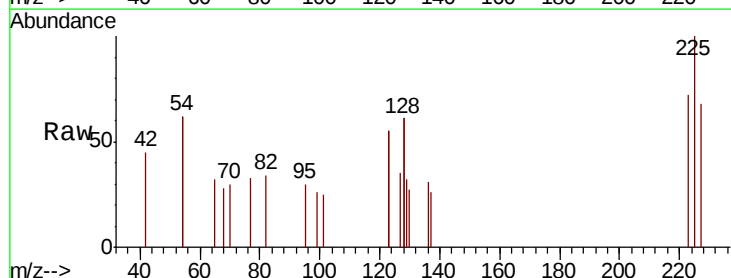
Tgt Ion:225 Resp: 249

Ion Ratio Lower Upper

225 100

223 56.2 51.1 76.7

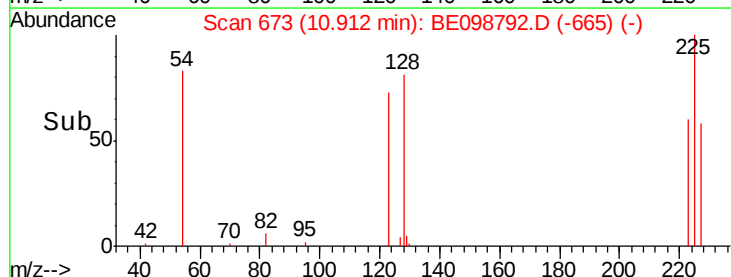
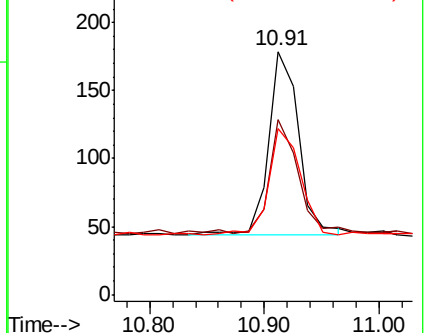
227 60.6 51.6 77.4



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: 0.113 ng

RT: 12.21 min Scan# 763

Delta R.T. 0.01 min

Lab File: BE098792.D

Acq: 6 Mar 2019 10:53

Instrument :

BNA_E

ClientSampleId :

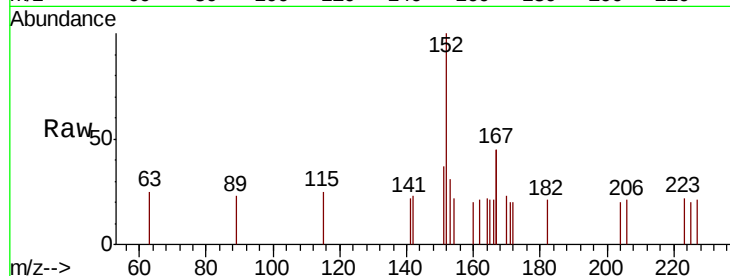
PB117669TB

Tot Ion:152 Resp: 543

Ion Ratio Lower Upper

152 100

151 19.2 16.5 24.7



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

12.21

200

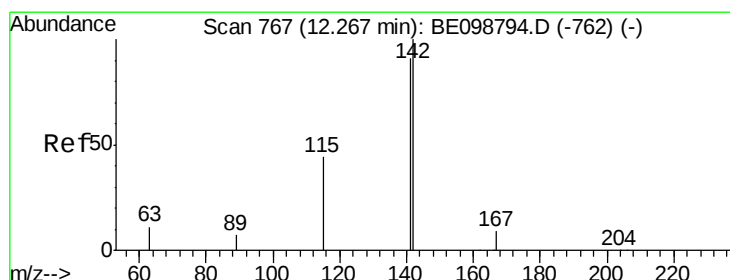
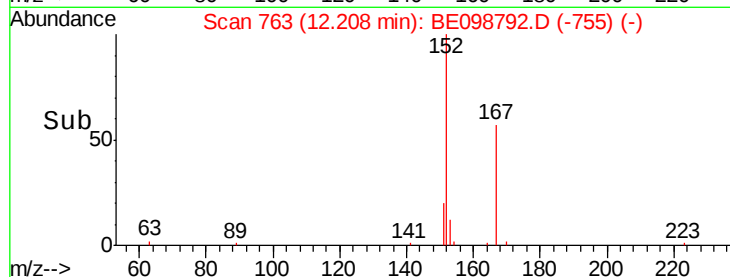
150

100

50

0

Time-->



#12

2-Methylnaphthalene

Concen: 0.103 ng

RT: 12.28 min Scan# 768

Delta R.T. 0.01 min

Lab File: BE098792.D

Acq: 6 Mar 2019 10:53

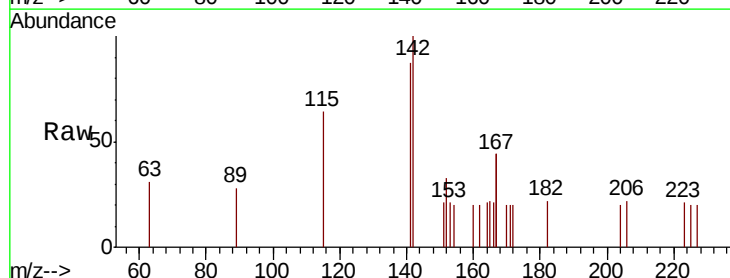
Tgt Ion:142 Resp: 497

Ion Ratio Lower Upper

142 100

141 87.3 72.6 108.8

115 64.3 37.4 56.2#



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

300

250

200

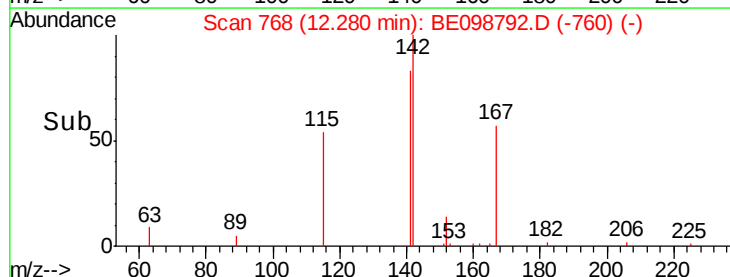
150

100

50

0

Time-->





#13

Acenaphthene-d10

Concen: 0.400 ng

RT: 14.47 min Scan# 920

Delta R.T. 0.01 min

Lab File: BE098792.D

Acq: 6 Mar 2019 10:53

Instrument :

BNA_E

ClientSampleId :

PB117669TB

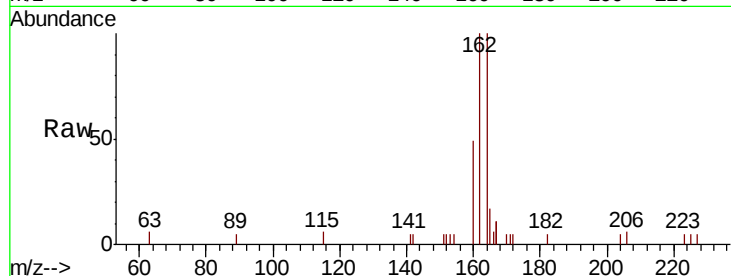
Tot Ion:164 Resp: 1968

Ion Ratio Lower Upper

164 100

162 100.0 80.2 120.2

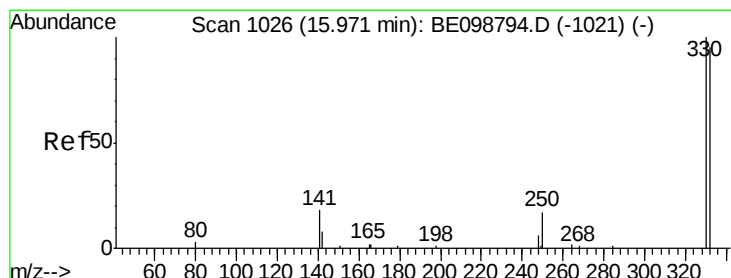
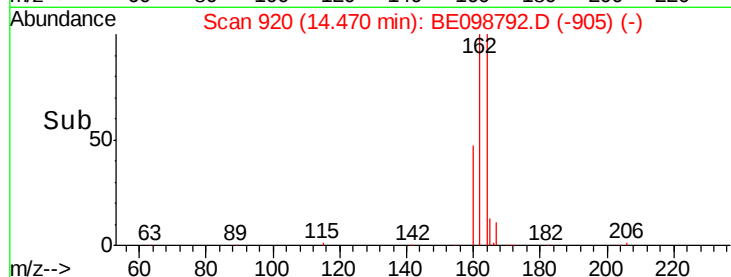
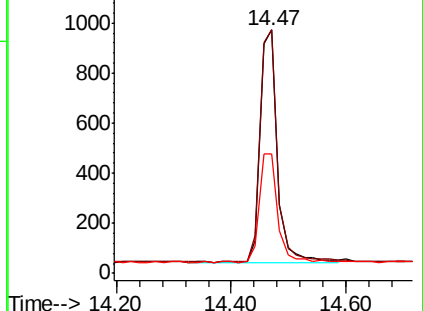
160 49.1 37.8 56.8



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: 0.103 ng

RT: 15.98 min Scan# 1027

Delta R.T. 0.01 min

Lab File: BE098792.D

Acq: 6 Mar 2019 10:53

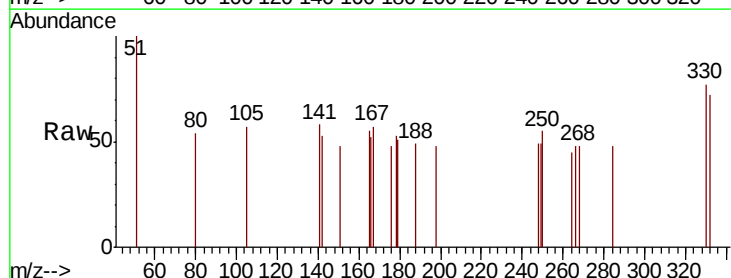
Tgt Ion:330 Resp: 88

Ion Ratio Lower Upper

330 100

332 104.5 77.6 116.4

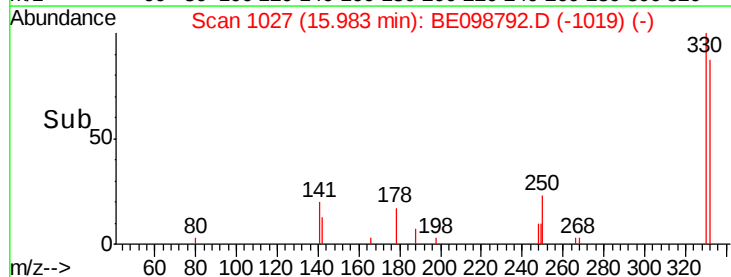
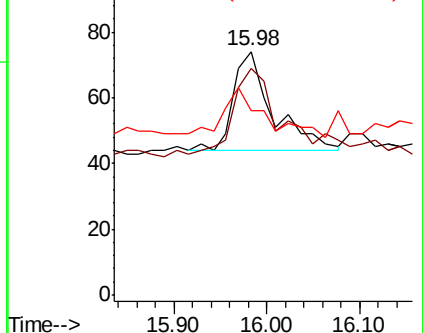
141 52.3 31.0 46.4#

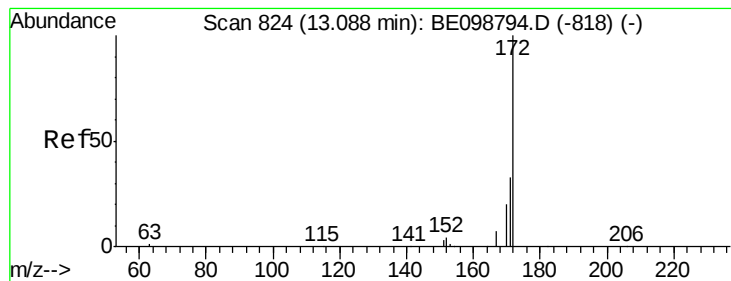


Abundance Ion 330.00 (329.70 to 330.70): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E





#15

2-Fluorobiphenyl

Concen: 0.103 ng

RT: 13.09 min Scan# 824

Delta R.T. -0.00 min

Lab File: BE098792.D

Acq: 6 Mar 2019 10:53

Instrument :

BNA_E

ClientSampleId :

PB117669TB

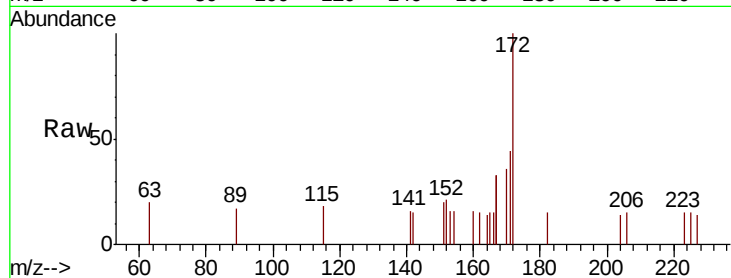
Tot Ion:172 Resp: 827

Ion Ratio Lower Upper

172 100

171 43.9 28.0 42.0#

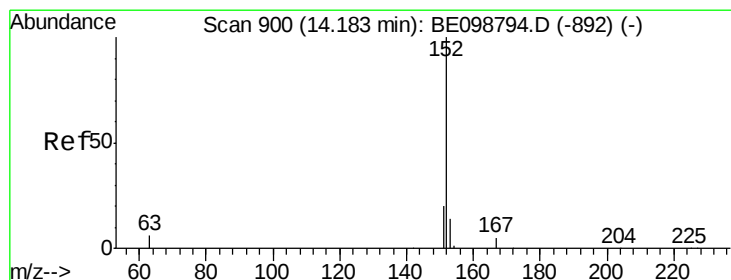
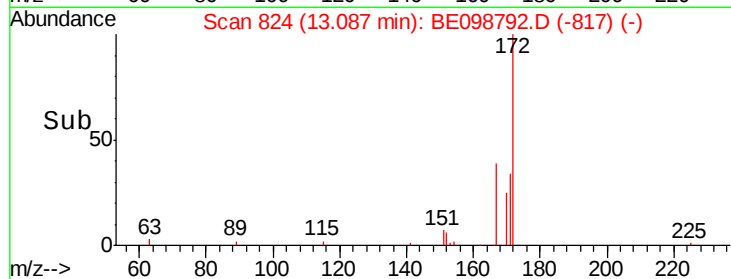
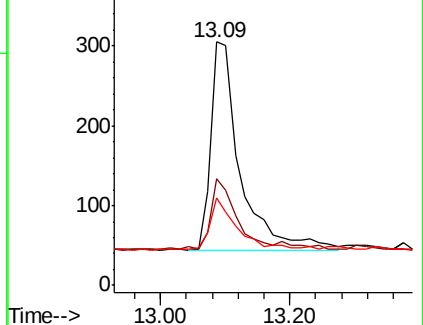
170 35.7 17.7 26.5#



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: 0.113 ng

RT: 14.18 min Scan# 900

Delta R.T. -0.00 min

Lab File: BE098792.D

Acq: 6 Mar 2019 10:53

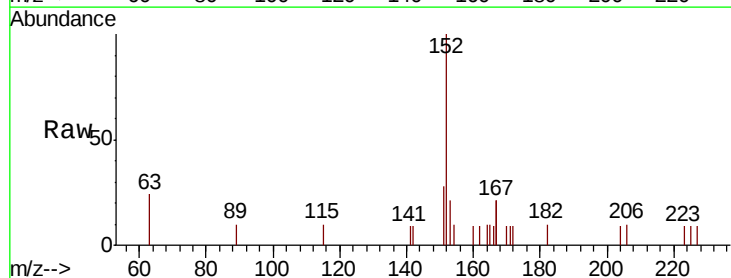
Tgt Ion:152 Resp: 964

Ion Ratio Lower Upper

152 100

151 21.5 17.0 25.6

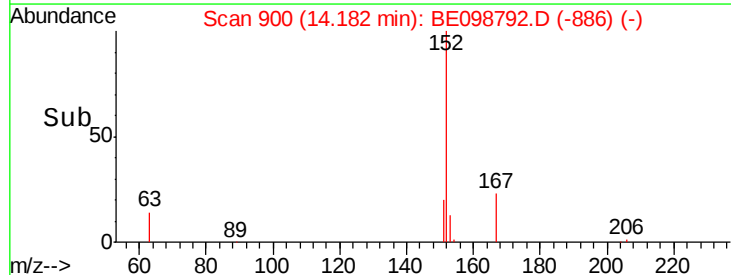
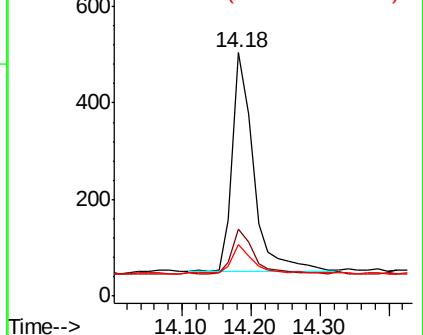
153 13.4 11.2 16.8

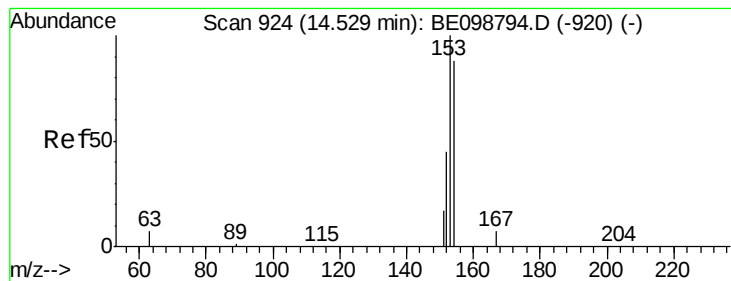


Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E





#17

Acenaphthene

Concen: 0.107 ng

RT: 14.53 min Scan# 924

Delta R.T. -0.00 min

Lab File: BE098792.D

Acq: 6 Mar 2019 10:53

Instrument :

BNA_E

ClientSampleId :

PB117669TB

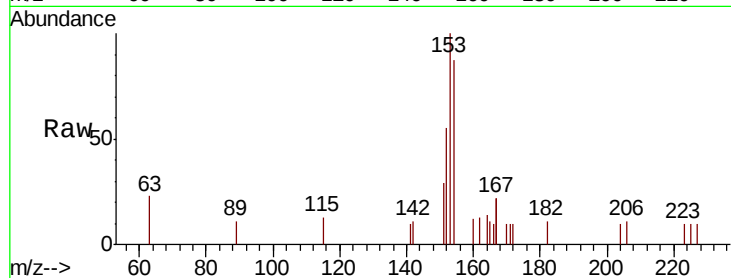
Tot Ion:154 Resp: 574

Ion Ratio Lower Upper

154 100

153 119.9 94.2 141.4

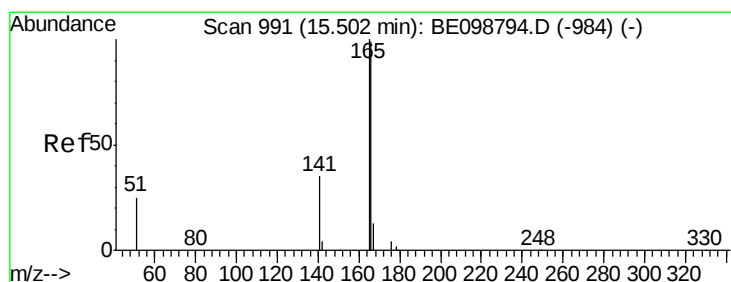
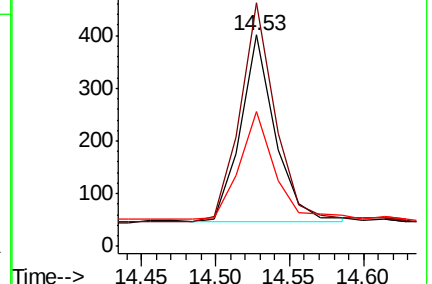
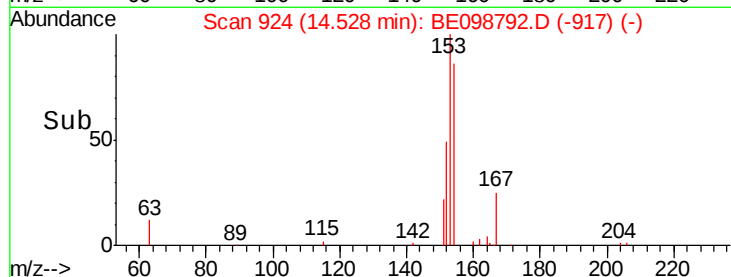
152 59.8 45.0 67.4



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: 0.123 ng

RT: 15.51 min Scan# 992

Delta R.T. 0.01 min

Lab File: BE098792.D

Acq: 6 Mar 2019 10:53

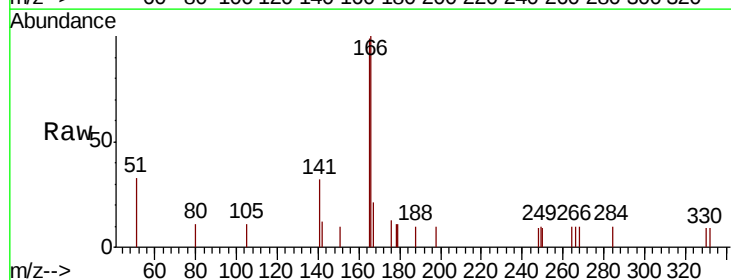
Tgt Ion:166 Resp: 853

Ion Ratio Lower Upper

166 100

165 98.4 79.3 118.9

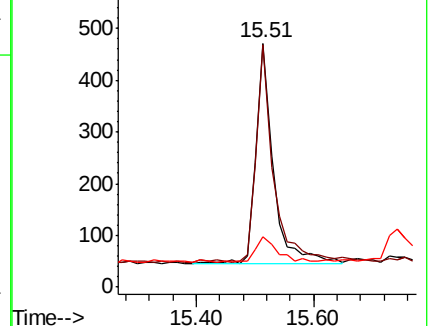
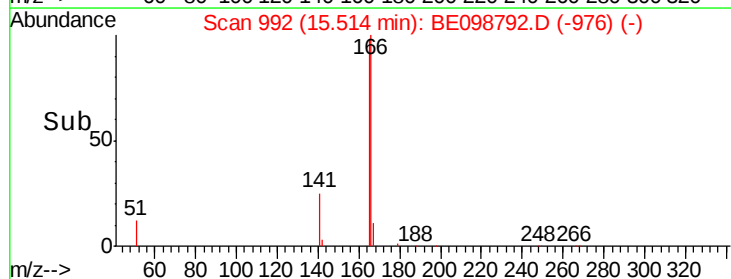
167 13.8 10.5 15.7



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: 17.21 min Scan# 1119

Delta R.T. -0.00 min

Lab File: BE098792.D

Acq: 6 Mar 2019 10:53

Instrument :

BNA_E

ClientSampleId :

PB117669TB

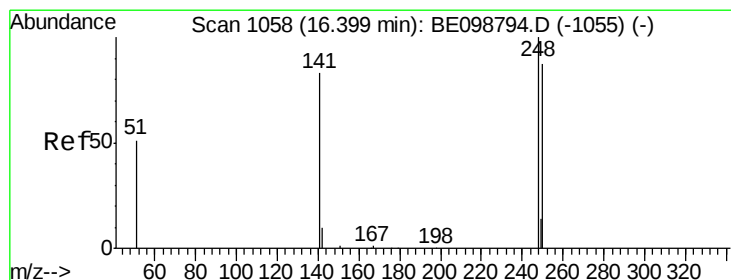
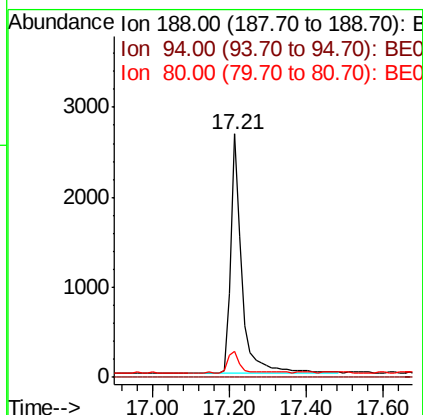
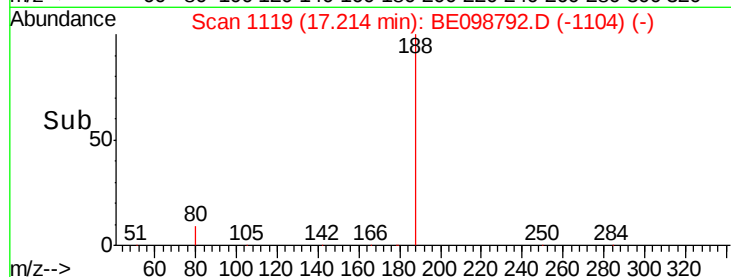
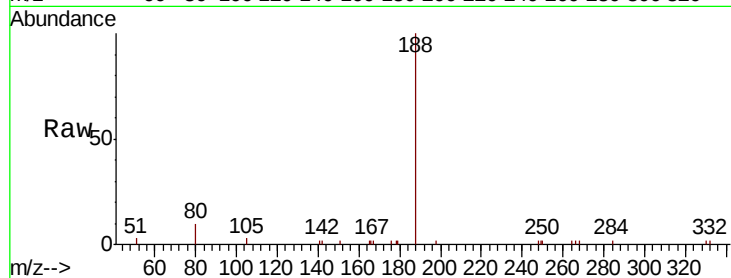
Tot Ion:188 Resp: 5336

Ion Ratio Lower Upper

188 100

94 0.0 0.0 0.0

80 10.5 6.3 9.5#



#20

4-Bromophenyl-phenylether

Concen: 0.087 ng

RT: 16.41 min Scan# 1059

Delta R.T. 0.01 min

Lab File: BE098792.D

Acq: 6 Mar 2019 10:53

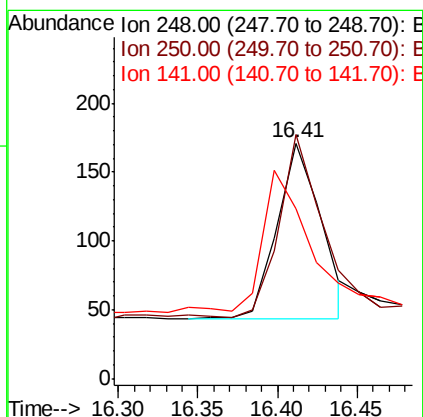
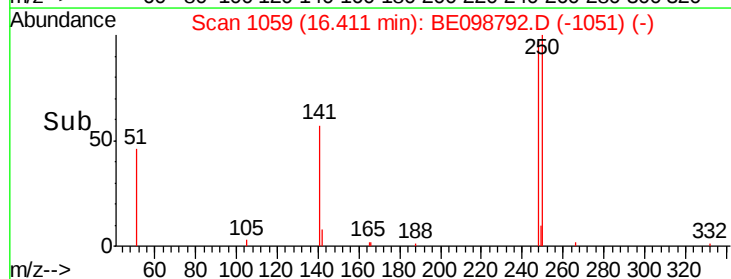
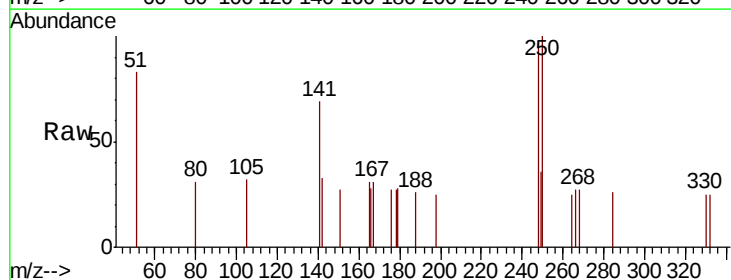
Tgt Ion:248 Resp: 247

Ion Ratio Lower Upper

248 100

250 103.5 70.6 105.8

141 71.9 68.6 102.8

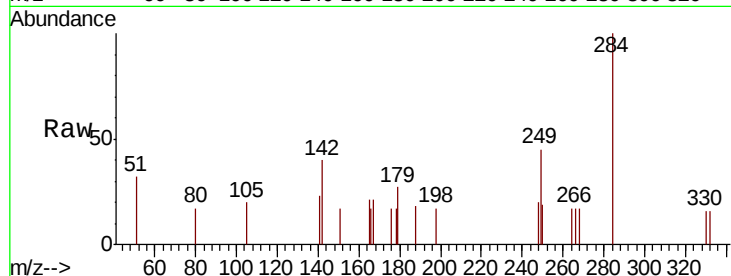




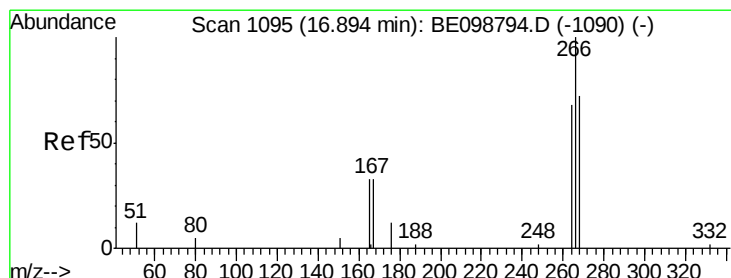
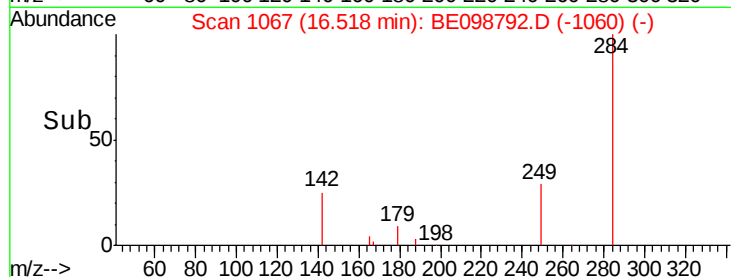
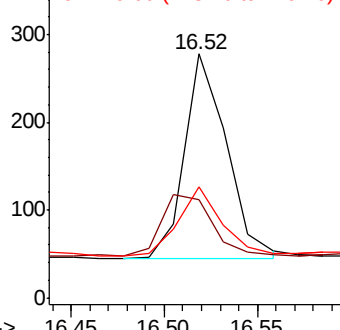
#21
Hexachlorobenzene
Concen: 0.109 ng
RT: 16.52 min Scan# 1067
Delta R.T. -0.00 min
Lab File: BE098792.D
Acq: 6 Mar 2019 10:53

Instrument :
BNA_E
ClientSampleId :
PB117669TB

Tot Ion:284 Resp: 373
Ion Ratio Lower Upper
284 100
142 35.1 28.7 43.1
249 35.4 29.6 44.4

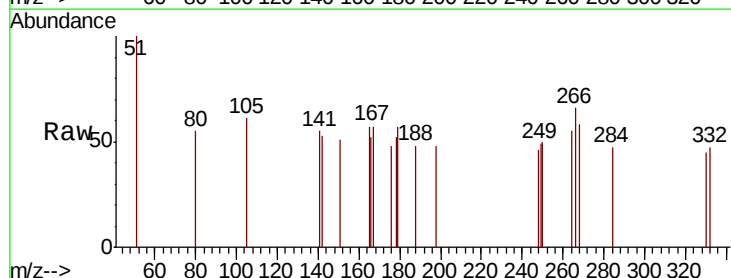


Abundance Ion 283.80 (283.50 to 284.50): E
Ion 142.00 (141.70 to 142.70): E
Ion 249.00 (248.70 to 249.70): E

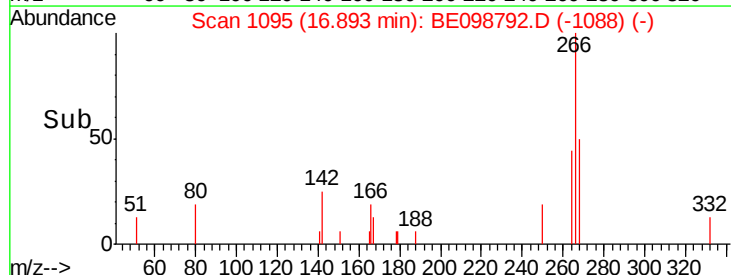
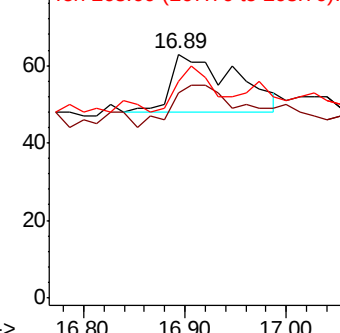


#22
Pentachlorophenol
Concen: 0.067 ng
RT: 16.89 min Scan# 1095
Delta R.T. -0.00 min
Lab File: BE098792.D
Acq: 6 Mar 2019 10:53

Tgt Ion:266 Resp: 67
Ion Ratio Lower Upper
266 100
264 84.1 66.6 100.0
268 88.9 69.8 104.8



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: 0.121 ng

RT: 17.25 min Scan# 1122

Delta R.T. -0.00 min

Lab File: BE098792.D

Acq: 6 Mar 2019 10:53

Instrument :

BNA_E

ClientSampleId :

PB117669TB

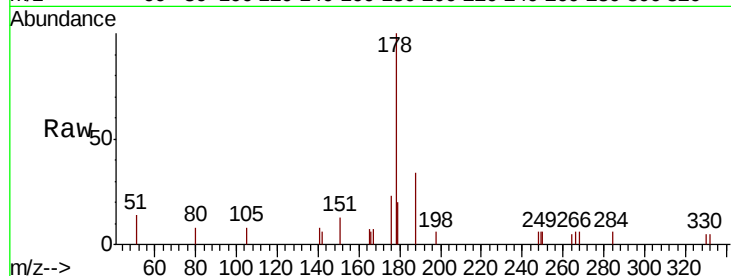
Tot Ion:178 Resp: 1524

Ion Ratio Lower Upper

178 100

176 21.7 16.0 24.0

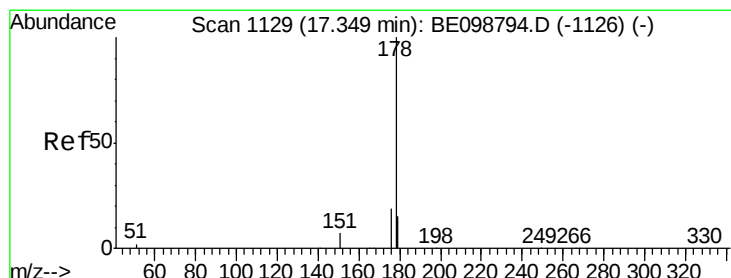
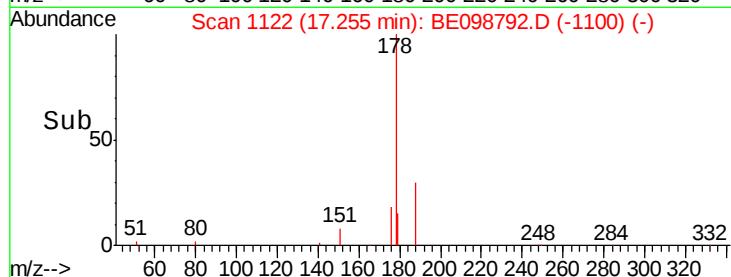
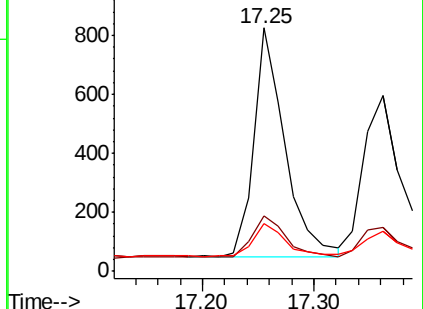
179 14.4 12.1 18.1



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: 0.109 ng

RT: 17.36 min Scan# 1130

Delta R.T. 0.01 min

Lab File: BE098792.D

Acq: 6 Mar 2019 10:53

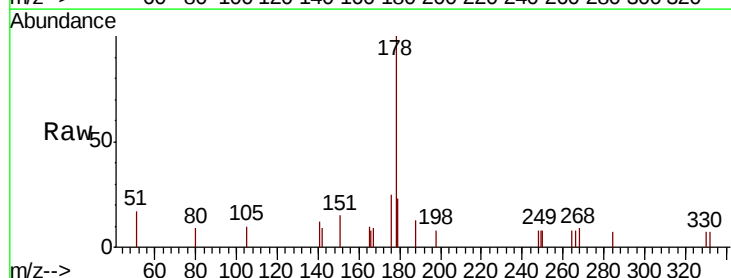
Tgt Ion:178 Resp: 1176

Ion Ratio Lower Upper

178 100

176 21.7 15.4 23.0

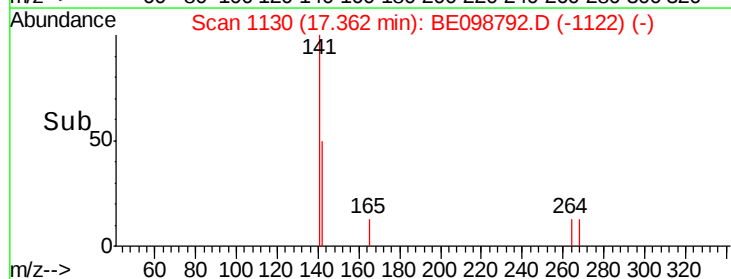
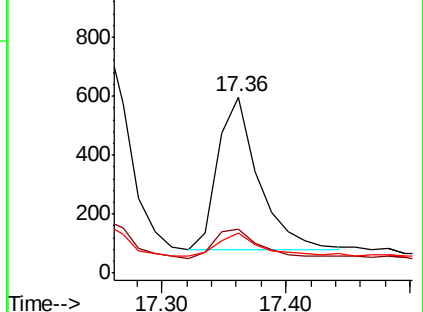
179 16.2 12.2 18.4

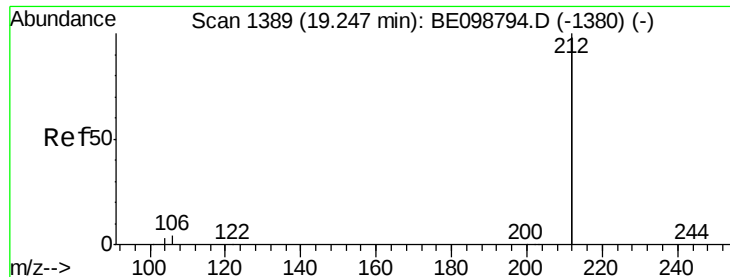


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#25

Fluoranthene-d10

Concen: 0.129 ng

RT: 19.25 min Scan# 1390

Delta R.T. 0.01 min

Lab File: BE098792.D

Acq: 6 Mar 2019 10:53

Instrument :

BNA_E

ClientSampleId :

PB117669TB

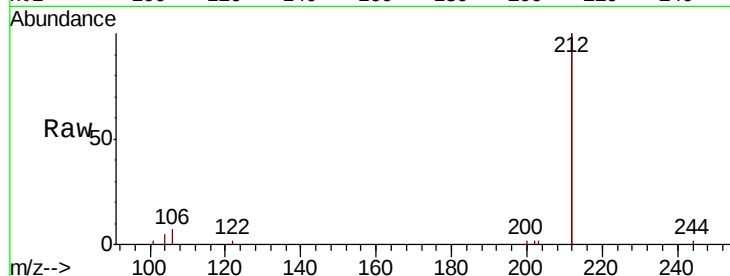
Tot Ion:212 Resp: 8519

Ion Ratio Lower Upper

212 100

106 2.3 1.8 2.8

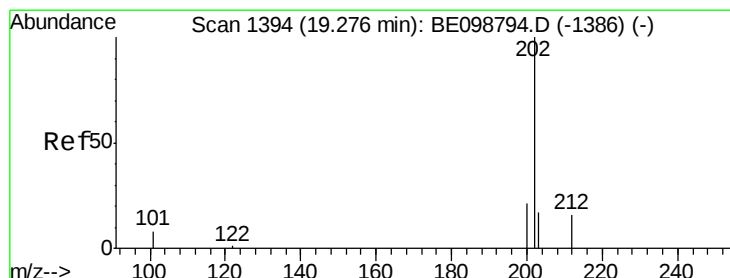
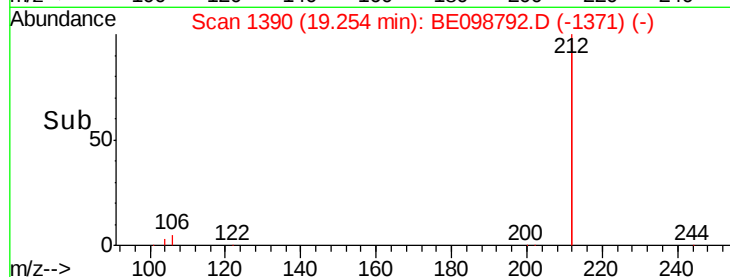
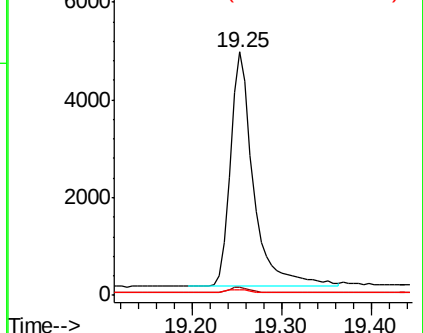
104 1.5 1.0 1.6



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: 0.131 ng

RT: 19.28 min Scan# 1395

Delta R.T. 0.01 min

Lab File: BE098792.D

Acq: 6 Mar 2019 10:53

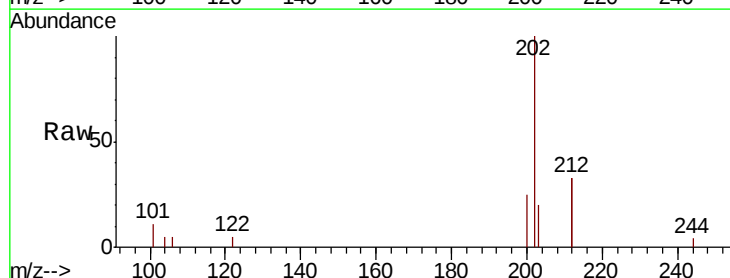
Tgt Ion:202 Resp: 2134

Ion Ratio Lower Upper

202 100

101 8.6 7.3 10.9

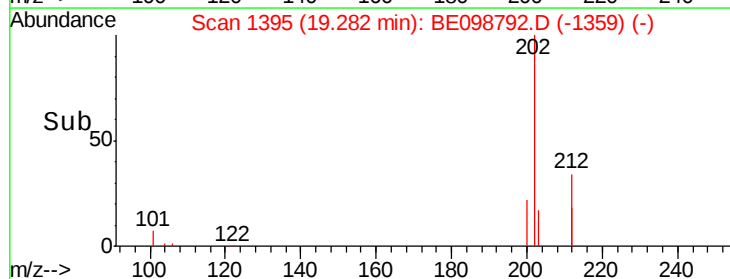
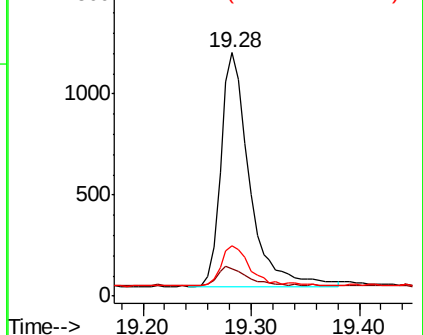
203 17.5 13.4 20.2

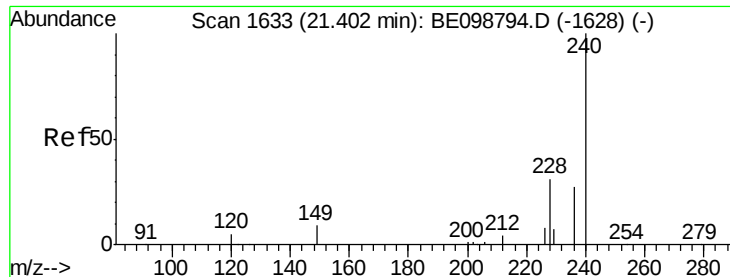


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E

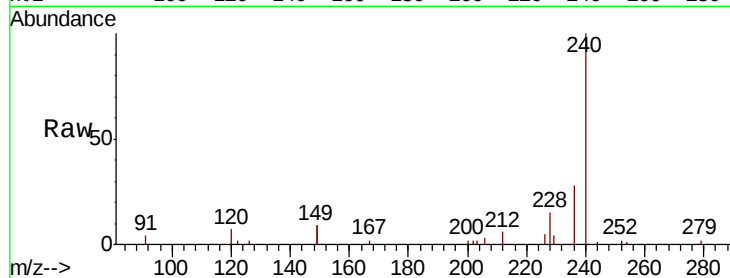




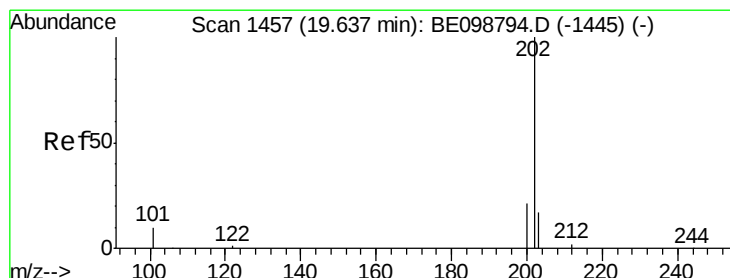
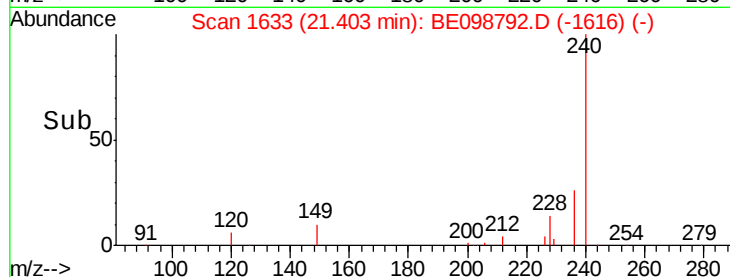
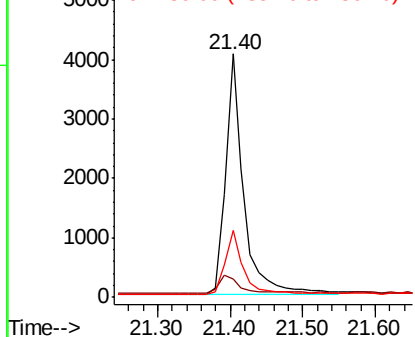
#27
Chrysene-d12
Concen: 0.400 ng
RT: 21.40 min Scan# 1633
Delta R.T. 0.00 min
Lab File: BE098792.D
Acq: 6 Mar 2019 10:53

Instrument :
BNA_E
ClientSampleId :
PB117669TB

Tot Ion:240 Resp: 7189
Ion Ratio Lower Upper
240 100
120 7.3 5.0 7.4
236 27.5 22.7 34.1

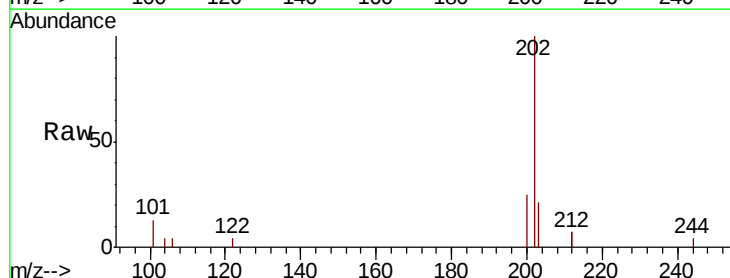


Abundance Ion 240.00 (239.70 to 240.70): E
Ion 120.00 (119.70 to 120.70): E
Ion 236.00 (235.70 to 236.70): E

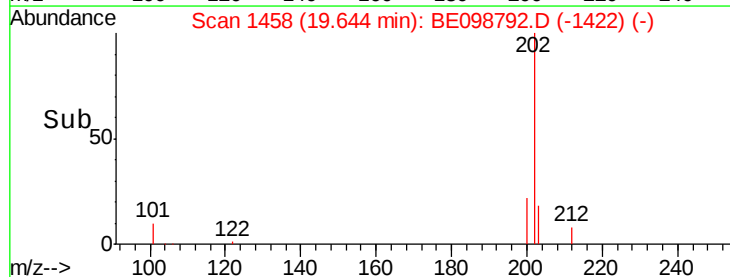
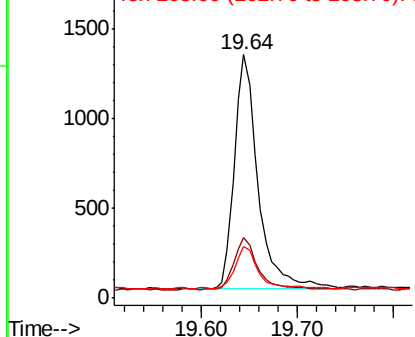


#28
Pyrene
Concen: 0.113 ng
RT: 19.64 min Scan# 1458
Delta R.T. 0.01 min
Lab File: BE098792.D
Acq: 6 Mar 2019 10:53

Tgt Ion:202 Resp: 2246
Ion Ratio Lower Upper
202 100
200 23.2 17.0 25.6
203 16.1 14.2 21.2



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: 0.110 ng

RT: 19.85 min Scan# 1494

Delta R.T. 0.01 min

Lab File: BE098792.D

Acq: 6 Mar 2019 10:53

Instrument :

BNA_E

ClientSampleId :

PB117669TB

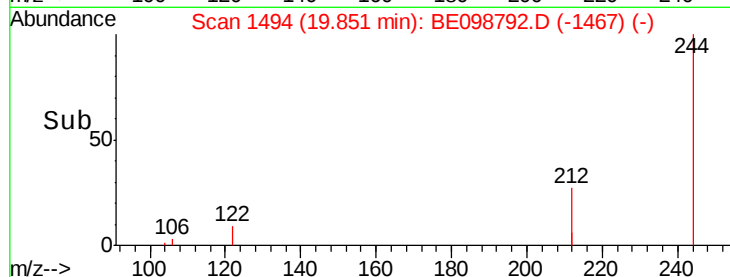
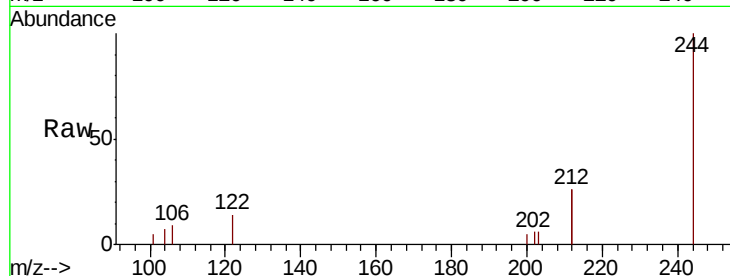
Tot Ion:244 Resp: 1745

Ion Ratio Lower Upper

244 100

212 51.8 29.4 44.2#

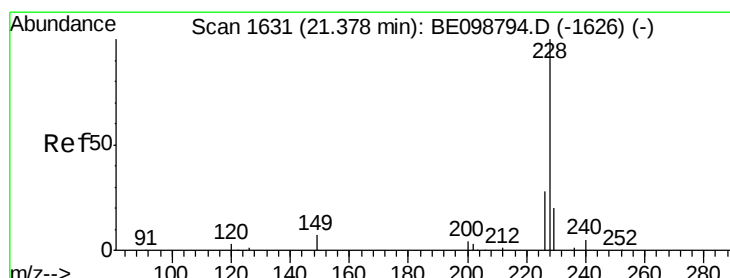
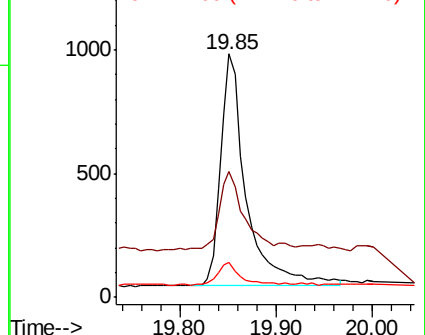
122 14.1 7.1 10.7#



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: 0.109 ng

RT: 21.39 min Scan# 1632

Delta R.T. 0.01 min

Lab File: BE098792.D

Acq: 6 Mar 2019 10:53

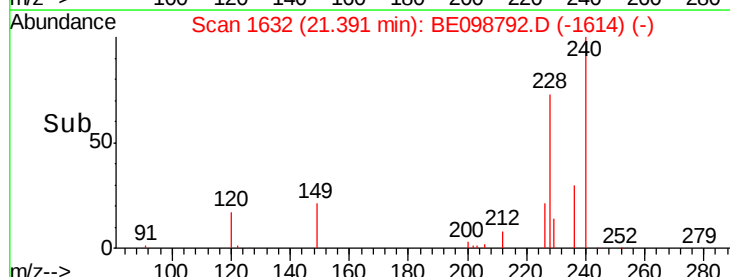
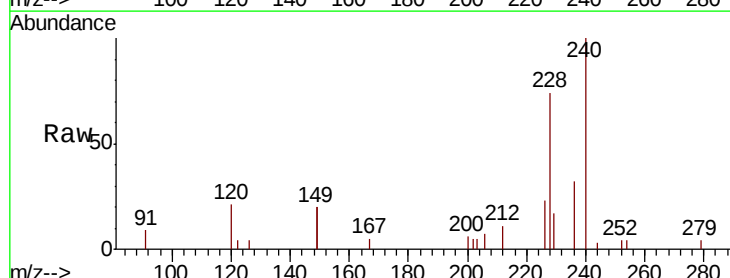
Tgt Ion:228 Resp: 2112

Ion Ratio Lower Upper

228 100

226 31.2 23.0 34.4

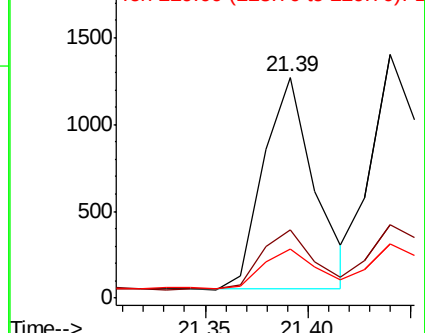
229 22.4 16.5 24.7



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: 0.122 ng

RT: 21.44 min Scan# 1636

Delta R.T. 0.00 min

Lab File: BE098792.D

Acq: 6 Mar 2019 10:53

Instrument :

BNA_E

ClientSampleId :

PB117669TB

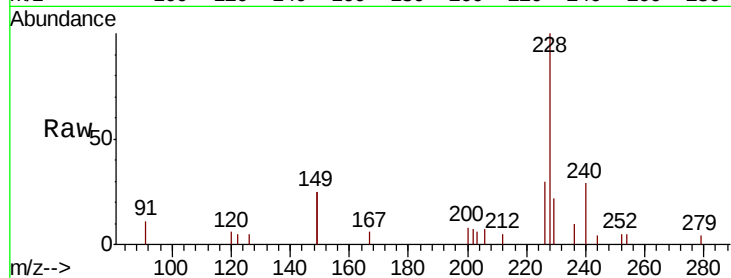
Tot Ion:228 Resp: 2435

Ion Ratio Lower Upper

228 100

226 30.2 23.7 35.5

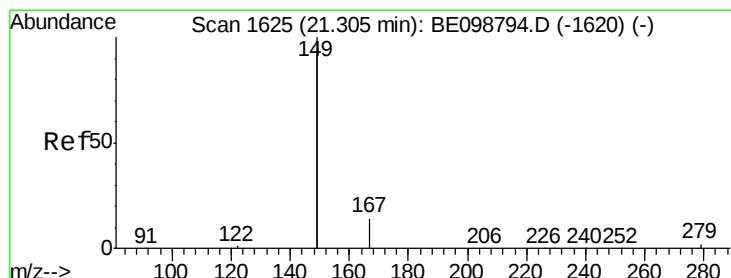
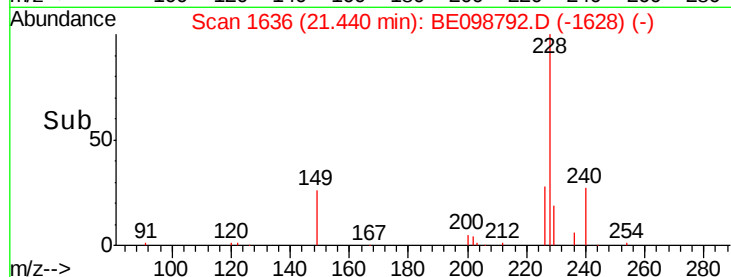
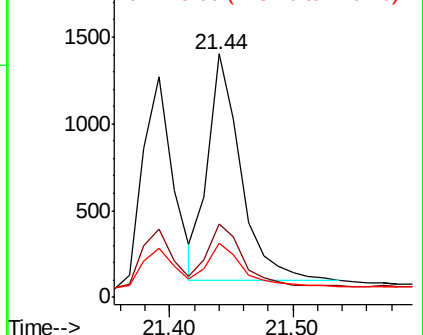
229 22.2 16.1 24.1



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: 0.133 ng

RT: 21.31 min Scan# 1625

Delta R.T. 0.00 min

Lab File: BE098792.D

Acq: 6 Mar 2019 10:53

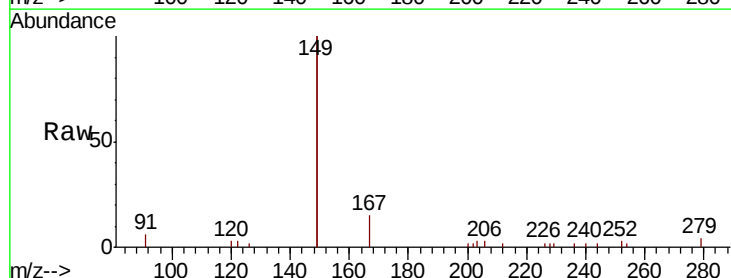
Tgt Ion:149 Resp: 5463

Ion Ratio Lower Upper

149 100

167 7.1 5.4 8.0

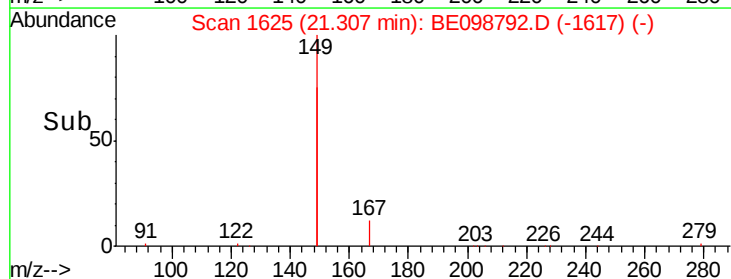
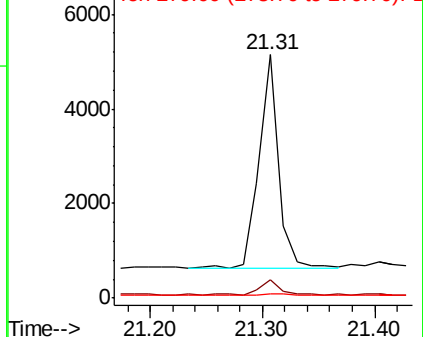
279 1.8 1.0 1.4#



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: 0.119 ng

RT: 26.55 min Scan# 2948

Delta R.T. 0.01 min

Lab File: BE098792.D

Acq: 6 Mar 2019 10:53

Instrument :

BNA_E

ClientSampleId :

PB117669TB

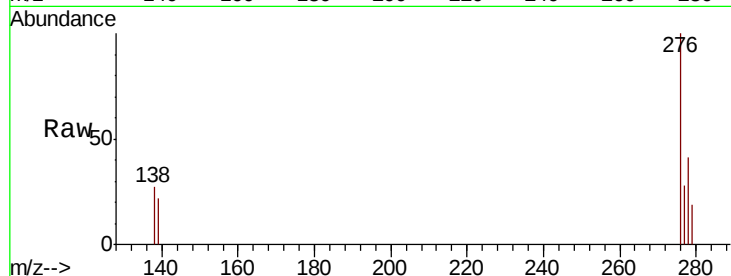
Tot Ion:276 Resp: 2460

Ion Ratio Lower Upper

276 100

138 21.5 13.8 20.8#

277 25.4 19.5 29.3



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

26.55

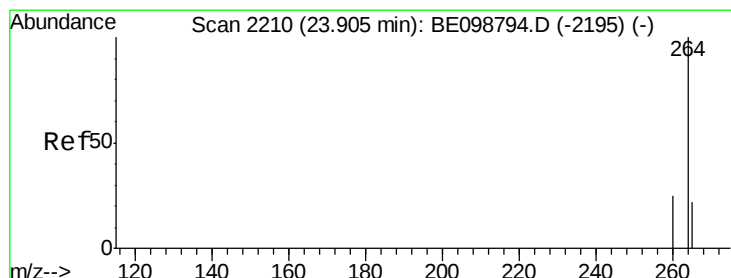
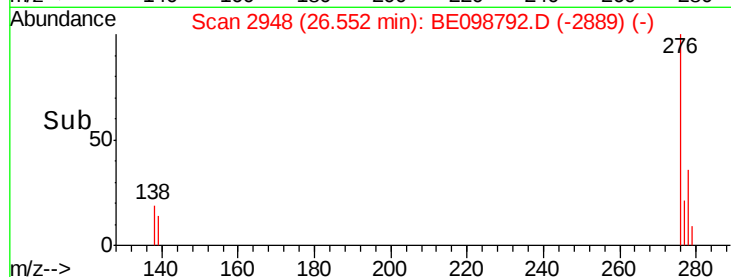
600

400

200

0

Time--> 26.40 26.50 26.60 26.70



#34

Perylene-d12

Concen: 0.400 ng

RT: 23.91 min Scan# 2212

Delta R.T. 0.01 min

Lab File: BE098792.D

Acq: 6 Mar 2019 10:53

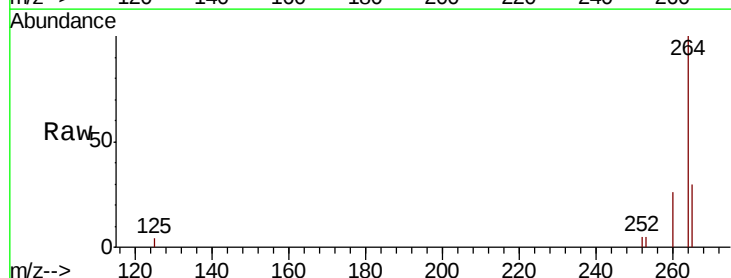
Tgt Ion:264 Resp: 7132

Ion Ratio Lower Upper

264 100

260 25.5 21.2 31.8

265 30.5 24.6 36.8



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

23.91

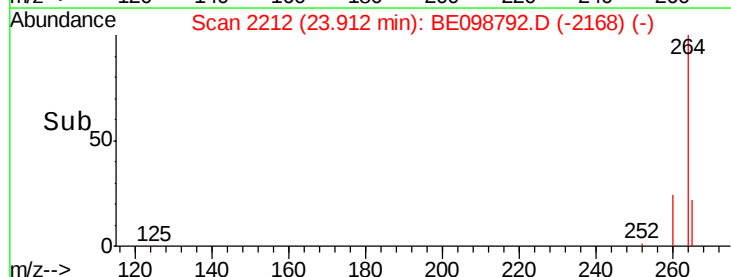
3000

2000

1000

0

Time--> 23.80 23.90 24.00 24.10





#35

Benzo(b)fluoranthene

Concen: 0.117 ng

RT: 23.15 min Scan# 1997

Delta R.T. 0.01 min

Lab File: BE098792.D

Acq: 6 Mar 2019 10:53

Instrument :

BNA_E

ClientSampleId :

PB117669TB

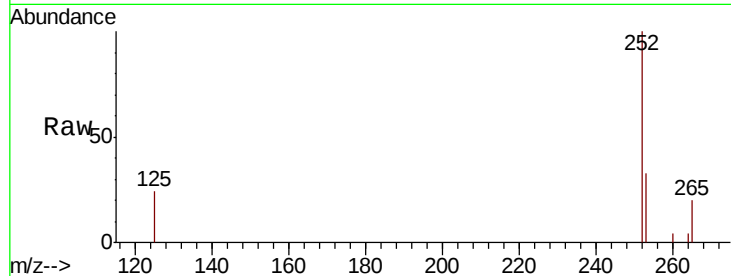
Tot Ion:252 Resp: 2269

Ion Ratio Lower Upper

252 100

253 32.7 18.2 27.2#

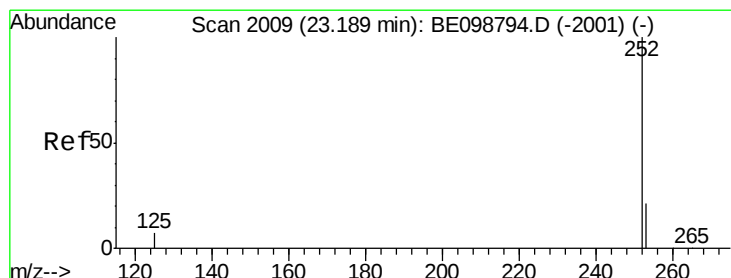
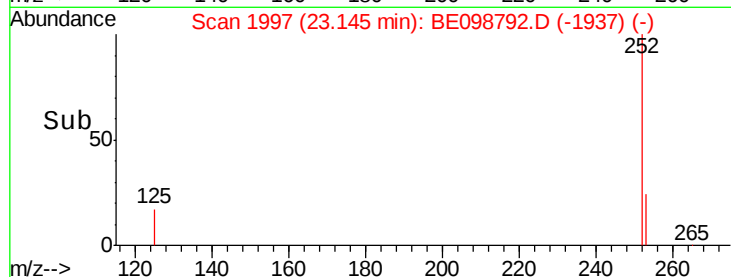
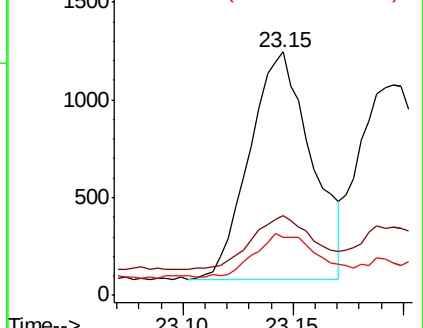
125 23.6 7.3 10.9#



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: 0.105 ng

RT: 23.20 min Scan# 2011

Delta R.T. 0.01 min

Lab File: BE098792.D

Acq: 6 Mar 2019 10:53

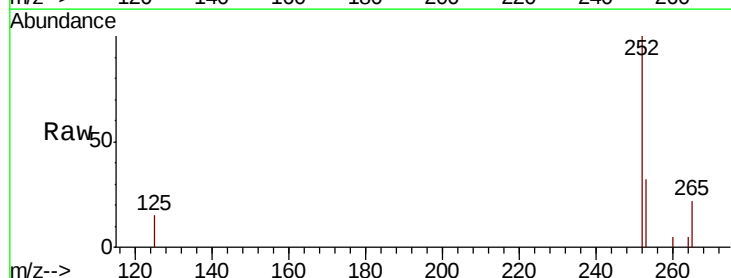
Tgt Ion:252 Resp: 2243

Ion Ratio Lower Upper

252 100

253 32.4 19.3 28.9#

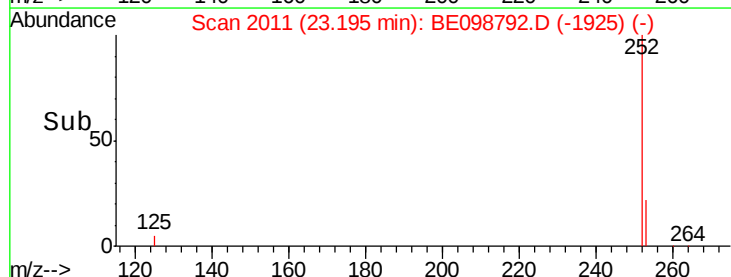
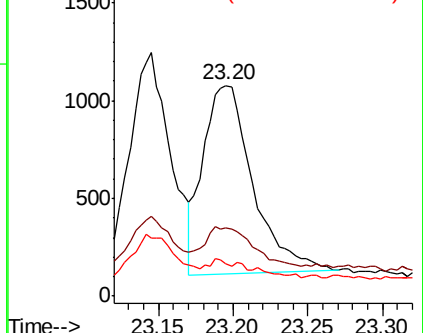
125 15.4 7.5 11.3#



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: 0.116 ng

RT: 23.80 min Scan# 2181

Delta R.T. 0.01 min

Lab File: BE098792.D

Acq: 6 Mar 2019 10:53

Instrument :

BNA_E

ClientSampleId :

PB117669TB

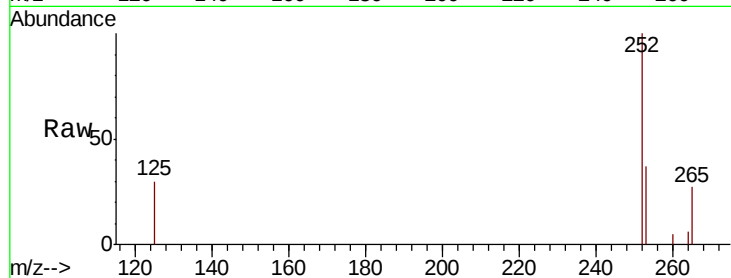
Tot Ion:252 Resp: 2208

Ion Ratio Lower Upper

252 100

253 37.4 19.9 29.9#

125 30.4 9.0 13.4#

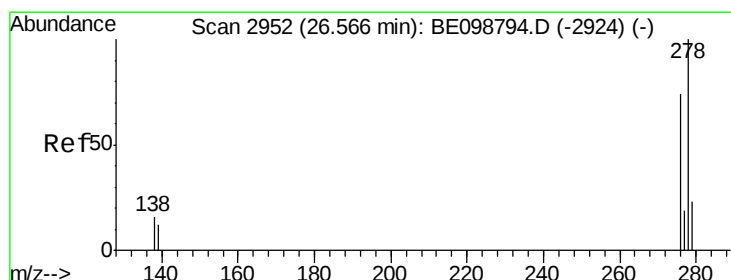
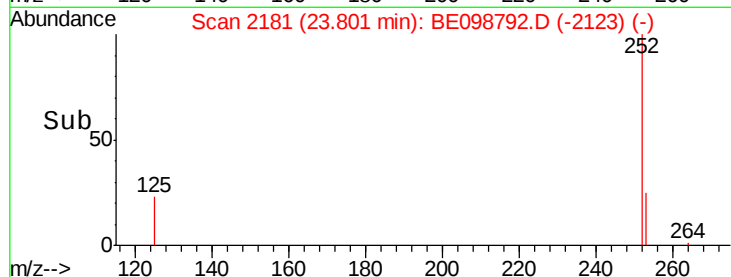
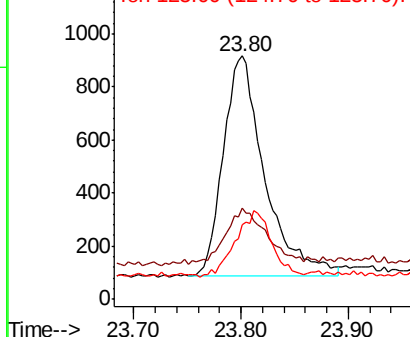


Abundance

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: 0.115 ng

RT: 26.58 min Scan# 2957

Delta R.T. 0.02 min

Lab File: BE098792.D

Acq: 6 Mar 2019 10:53

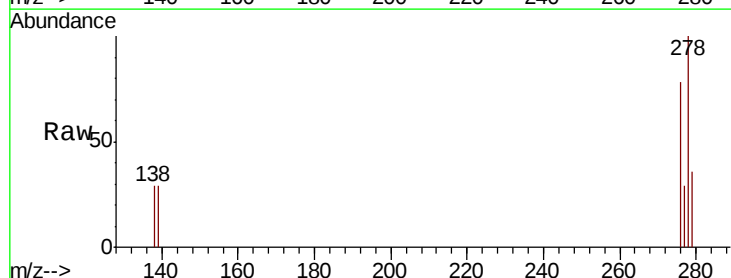
Tgt Ion:278 Resp: 1940

Ion Ratio Lower Upper

278 100

139 28.9 11.8 17.6#

279 35.8 21.1 31.7#

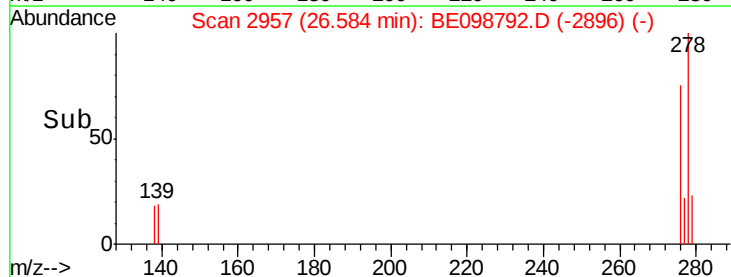
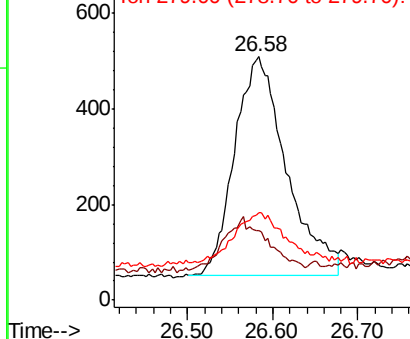


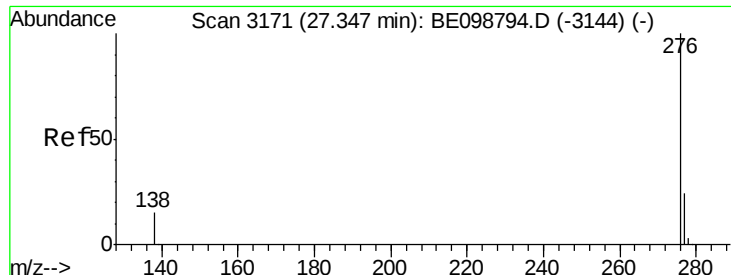
Abundance

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: 0.119 ng

RT: 27.36 min Scan# 3176

Delta R.T. 0.02 min

Lab File: BE098792.D

Acq: 6 Mar 2019 10:53

Instrument :

BNA_E

ClientSampleId :

PB117669TB

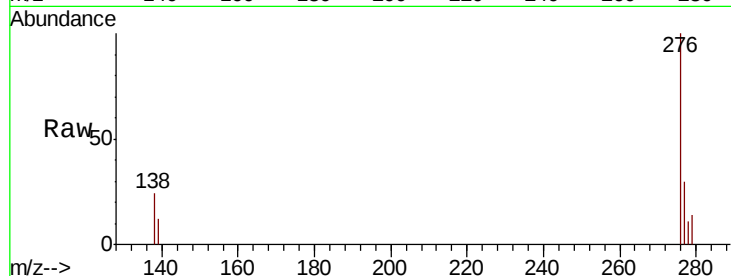
Tot Ion: 276 Resp: 2214

Ion Ratio Lower Upper

276 100

277 30.5 20.4 30.6

138 24.2 13.6 20.4



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

