

Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE030619\
 Data File : BE098798.D
 Acq On : 6 Mar 2019 14:55
 Operator : JU/SJ
 Sample : SSTDICV0.4
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :

Quant Time: Mar 06 15:38:44 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 15:33:24 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.80	152	772	0.40	ng	0.01
7) Naphthalene-d8	10.60	136	3066	0.40	ng	0.01
13) Acenaphthene-d10	14.47	164	2052	0.40	ng	0.01
19) Phenanthrene-d10	17.22	188	5533	0.40	ng	0.00
27) Chrysene-d12	21.40	240	7353	0.40	ng	0.00
34) Perylene-d12	23.91	264	7055	0.40	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Fluorophenol	5.39	112	896	0.39	ng	0.00
5) Phenol-d6	7.00	99	1313	0.40	ng	0.01
8) Nitrobenzene-d5	8.98	82	1091	0.34	ng	0.01
11) 2-Methylnaphthalene-d10	12.21	152	2312	0.41	ng	0.01
14) 2,4,6-Tribromophenol	15.97	330	415	0.40	ng	0.00
15) 2-Fluorobiphenyl	13.09	172	3264	0.38	ng	0.00
25) Fluoranthene-d10	19.25	212	33460	0.38	ng	0.00
29) Terphenyl-d14	19.85	244	6738	0.38	ng	0.00

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) 1,4-Dioxane	3.28	88	572	0.377	ng	# 93
3) n-Nitrosodimethylamine	3.61	42	691	0.356	ng	# 88
6) bis(2-Chloroethyl)ether	7.23	93	964	0.383	ng	99
9) Naphthalene	10.65	128	14282	0.407	ng	100
10) Hexachlorobutadiene	10.93	225	939	0.404	ng	98
12) 2-Methylnaphthalene	12.28	142	2241	0.393	ng	99
16) Acenaphthylene	14.20	152	4047	0.383	ng	98
17) Acenaphthene	14.53	154	2482	0.396	ng	97
18) Fluorene	15.52	166	3406	0.377	ng	98
20) 4-Bromophenyl-phenylether	16.41	248	1105	0.368	ng	# 83
21) Hexachlorobenzene	16.52	284	1338	0.375	ng	97
22) Pentachlorophenol	16.89	266	223	0.448	ng	95
23) Phenanthrene	17.26	178	6020	0.383	ng	99
24) Anthracene	17.36	178	4946	0.368	ng	99
26) Fluoranthene	19.28	202	8290	0.373	ng	99
28) Pyrene	19.65	202	8567	0.381	ng	100
30) Benzo(a)anthracene	21.39	228	8542	0.372	ng	99
31) Chrysene	21.44	228	9679	0.394	ng	99
32) Bis(2-ethylhexyl)phthalate	21.31	149	17571	0.360	ng	100
33) Indeno(1,2,3-cd)pyrene	26.56	276	10351	0.399	ng	100
35) Benzo(b)fluoranthene	23.14	252	8715	0.376	ng	98
36) Benzo(k)fluoranthene	23.20	252	9742	0.401	ng	98
37) Benzo(a)pyrene	23.80	252	8465	0.381	ng	99
38) Dibenzo(a,h)anthracene	26.57	278	8170	0.388	ng	99
39) Benzo(g,h,i)perylene	27.36	276	8544	0.388	ng	99

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

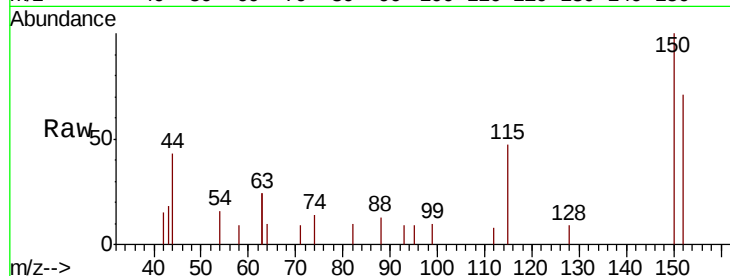


#1

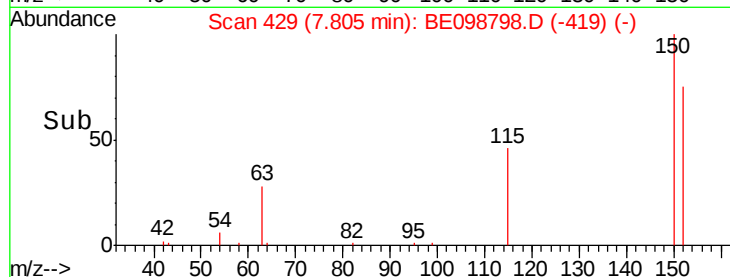
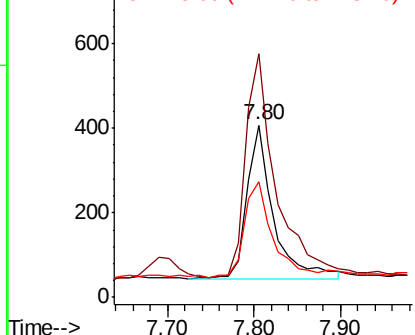
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.80 min Scan# 429
Delta R.T. 0.01 min
Lab File: BE098798.D
Acq: 6 Mar 2019 14:55

Instrument :
BNA_E
ClientSampled :

Tot Ion:152 Resp: 772
Ion Ratio Lower Upper
152 100
150 141.5 122.5 183.7
115 67.1 57.4 86.2



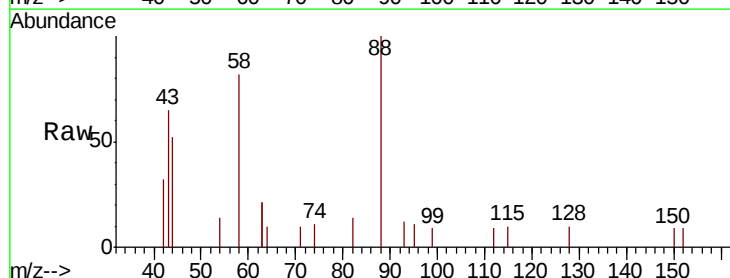
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



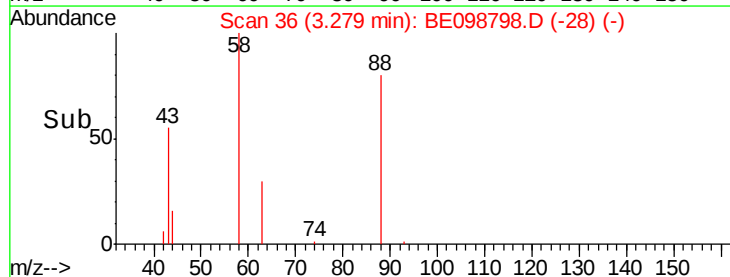
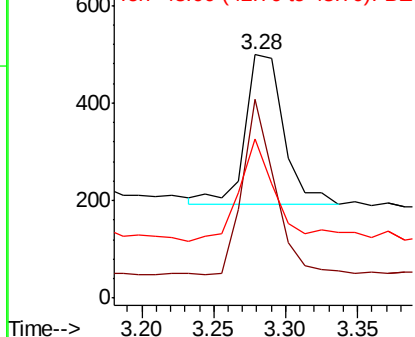
#2

1,4-Dioxane
Concen: 0.377 ng
RT: 3.28 min Scan# 36
Delta R.T. -0.01 min
Lab File: BE098798.D
Acq: 6 Mar 2019 14:55

Tgt Ion: 88 Resp: 572
Ion Ratio Lower Upper
88 100
58 95.5 75.8 113.6
43 65.6 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



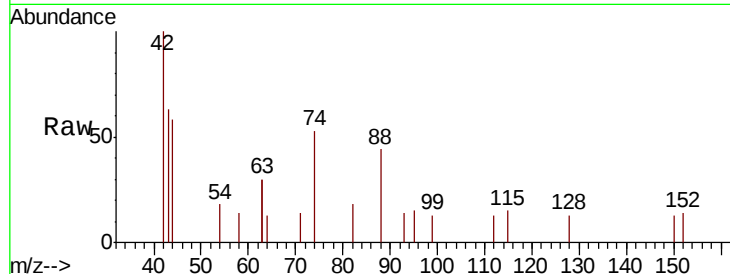


#3

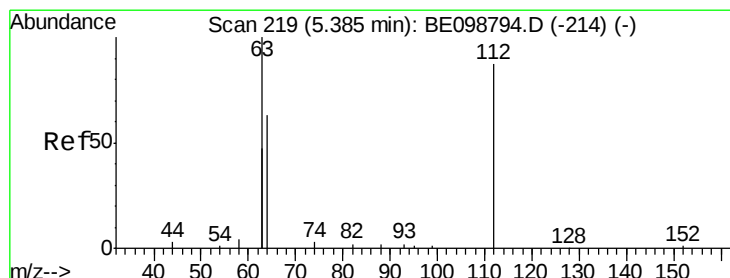
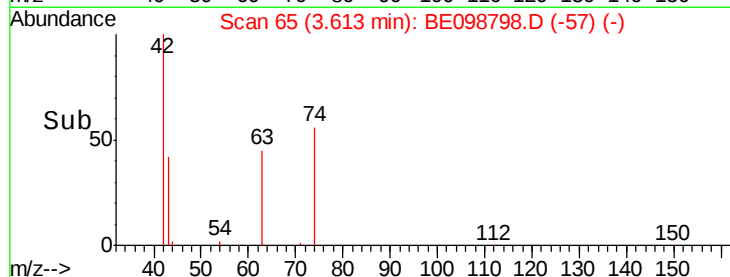
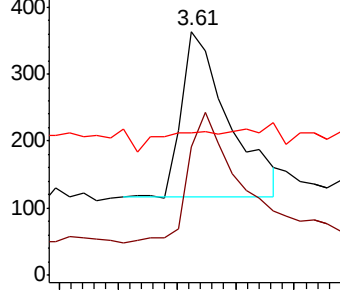
n-Nitrosodimethylamine
 Concen: 0.356 ng
 RT: 3.61 min Scan# 65
 Delta R.T. -0.01 min
 Lab File: BE098798.D
 Acq: 6 Mar 2019 14:55

Instrument :
 BNA_E
 ClientSampleID :

Tot Ion: 42 Resp: 691
 Ion Ratio Lower Upper
 42 100
 74 81.3 57.0 85.4
 44 0.0 0.0 0.0



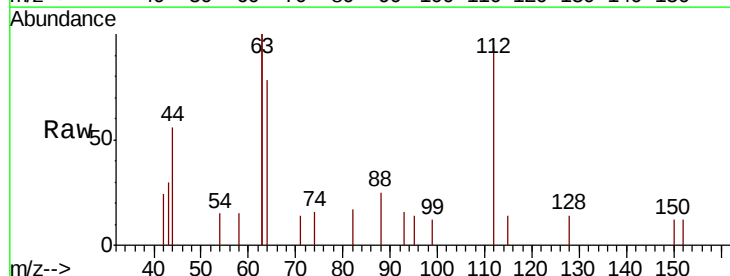
Abundance Ion 42.00 (41.70 to 42.70): BE0
 Ion 74.00 (73.70 to 74.70): BE0
 Ion 44.00 (43.70 to 44.70): BE0



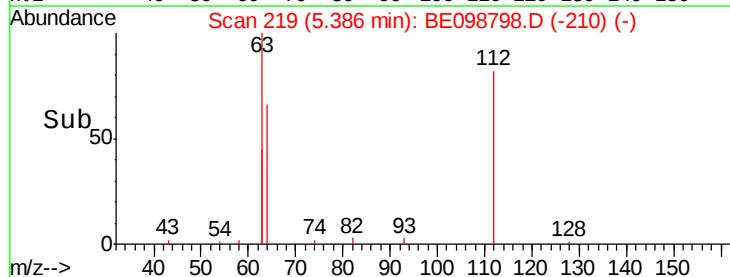
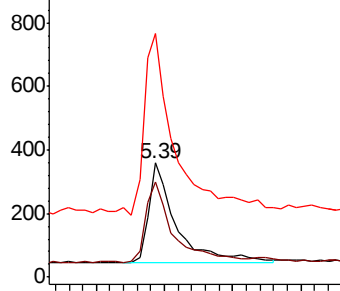
#4

2-Fluorophenol
 Concen: 0.388 ng
 RT: 5.39 min Scan# 219
 Delta R.T. 0.00 min
 Lab File: BE098798.D
 Acq: 6 Mar 2019 14:55

Tgt Ion: 112 Resp: 896
 Ion Ratio Lower Upper
 112 100
 64 79.0 57.9 86.9
 63 189.7 158.3 237.5



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: 0.403 ng

RT: 7.00 min Scan# 359

Delta R.T. 0.01 min

Lab File: BE098798.D

Acq: 6 Mar 2019 14:55

Instrument :

BNA_E

ClientSampleId :

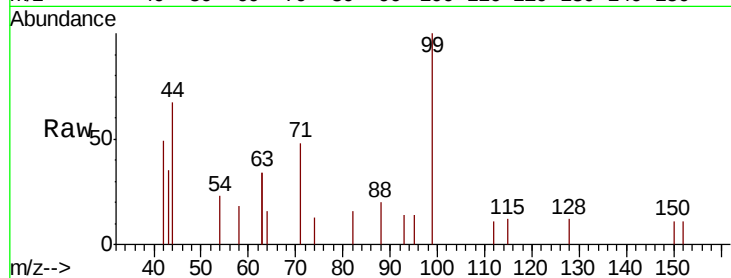
Tot Ion: 99 Resp: 1313

Ion Ratio Lower Upper

99 100

42 33.8 24.2 36.2

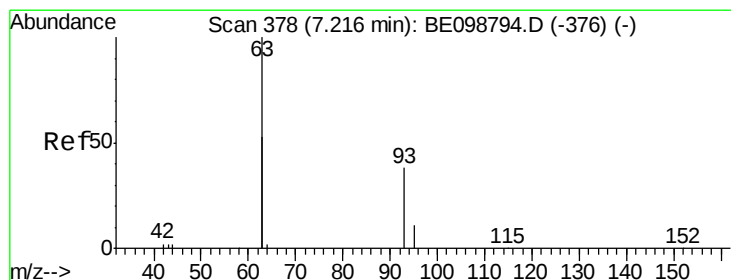
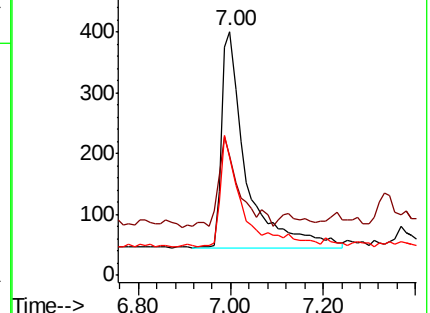
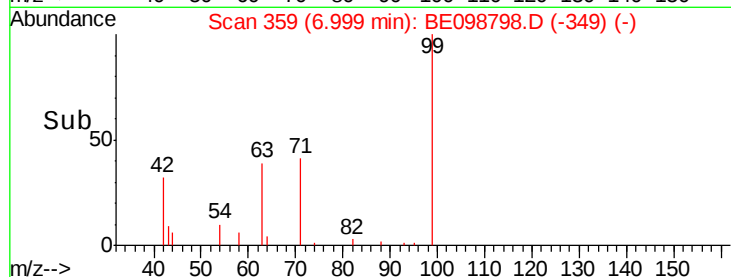
71 45.8 35.7 53.5



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



#6

bis(2-Chloroethyl)ether

Concen: 0.383 ng

RT: 7.23 min Scan# 379

Delta R.T. 0.01 min

Lab File: BE098798.D

Acq: 6 Mar 2019 14:55

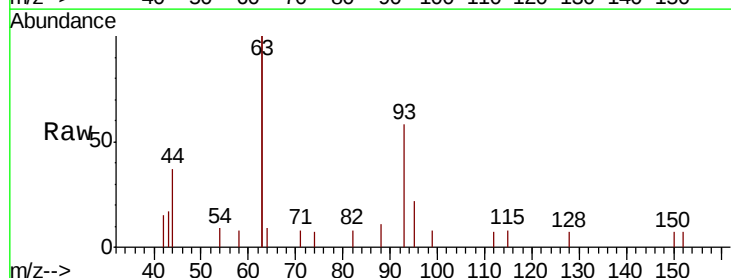
Tgt Ion: 93 Resp: 964

Ion Ratio Lower Upper

93 100

63 308.5 247.5 371.3

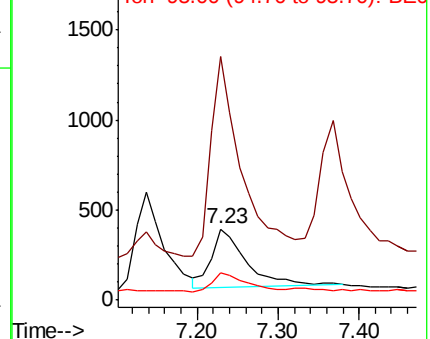
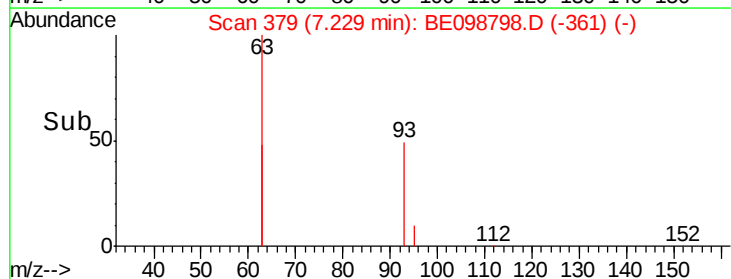
95 29.6 21.8 32.8



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





#7

Naphthalene-d8

Concen: 0.400 ng

RT: 10.60 min Scan# 649

Delta R.T. 0.01 min

Lab File: BE098798.D

Acq: 6 Mar 2019 14:55

Instrument :

BNA_E

ClientSampleId :

Tot Ion:136 Resp: 3066

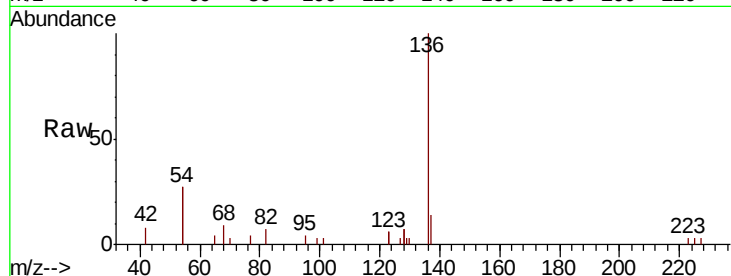
Ion Ratio Lower Upper

136 100

137 13.7 11.4 17.0

54 53.8 39.3 58.9

68 9.1 6.7 10.1

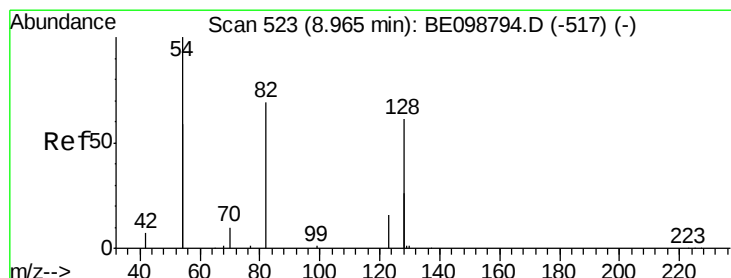
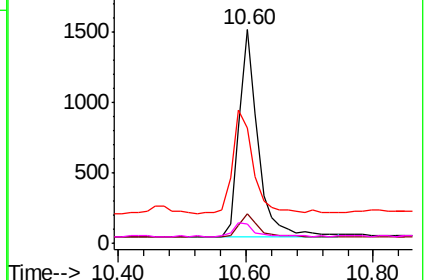
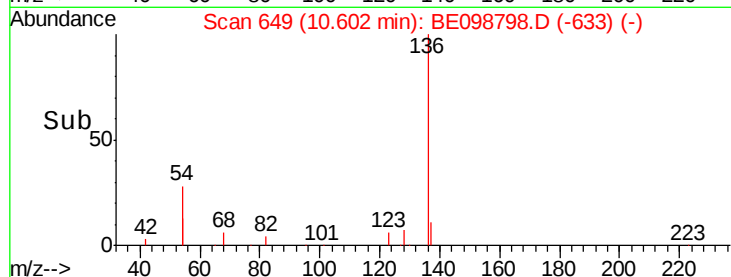


Abundance Ion 136.00 (135.70 to 136.70): E

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: 0.339 ng

RT: 8.98 min Scan# 524

Delta R.T. 0.01 min

Lab File: BE098798.D

Acq: 6 Mar 2019 14:55

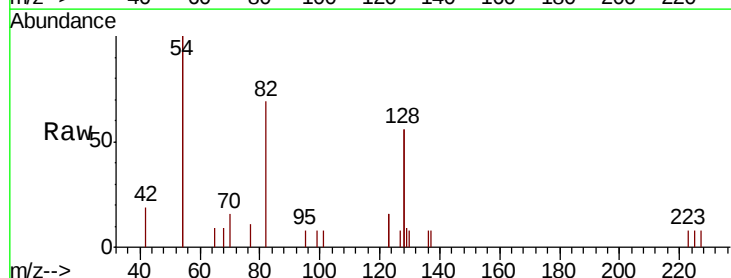
Tgt Ion: 82 Resp: 1091

Ion Ratio Lower Upper

82 100

128 160.4 123.8 185.8

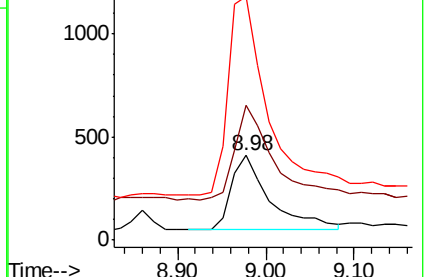
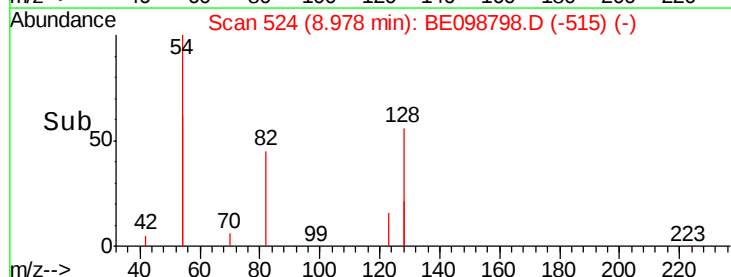
54 288.5 203.4 305.2



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: 0.407 ng

RT: 10.65 min Scan# 653

Delta R.T. 0.01 min

Lab File: BE098798.D

Acq: 6 Mar 2019 14:55

Instrument :

BNA_E

ClientSampleId :

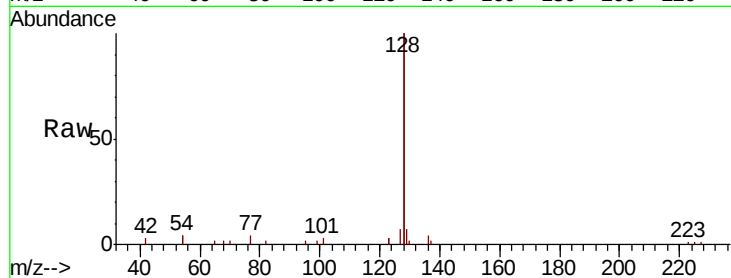
Tot Ion:128 Resp: 14282

Ion Ratio Lower Upper

128 100

129 3.4 2.6 4.0

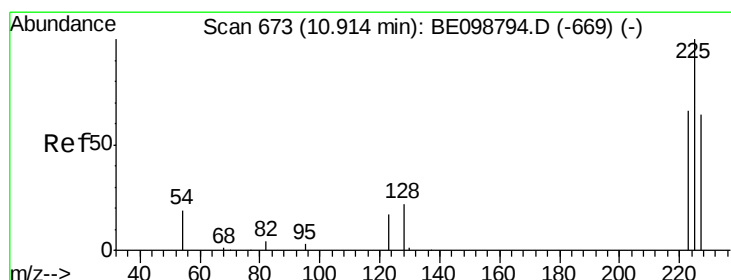
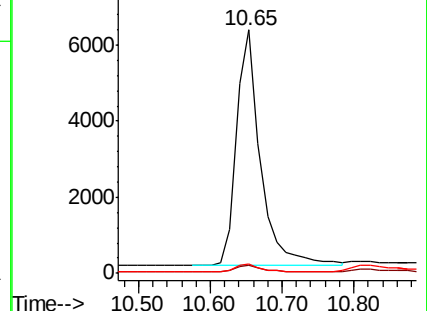
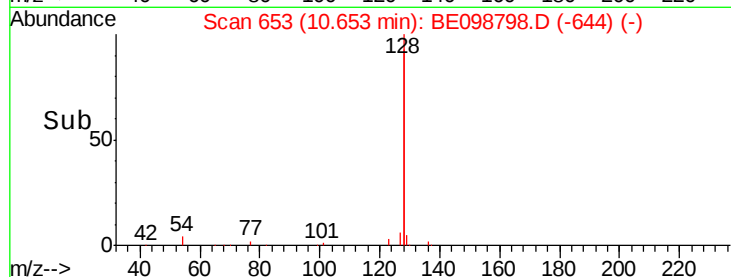
127 3.7 3.1 4.7



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: 0.404 ng

RT: 10.93 min Scan# 674

Delta R.T. 0.01 min

Lab File: BE098798.D

Acq: 6 Mar 2019 14:55

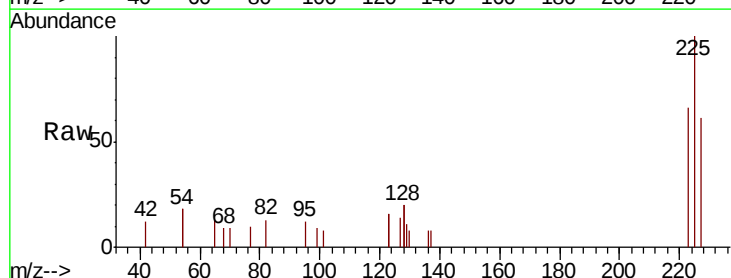
Tgt Ion:225 Resp: 939

Ion Ratio Lower Upper

225 100

223 62.2 51.1 76.7

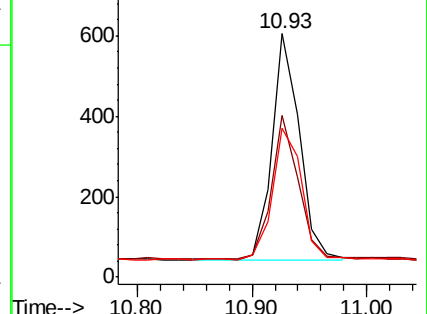
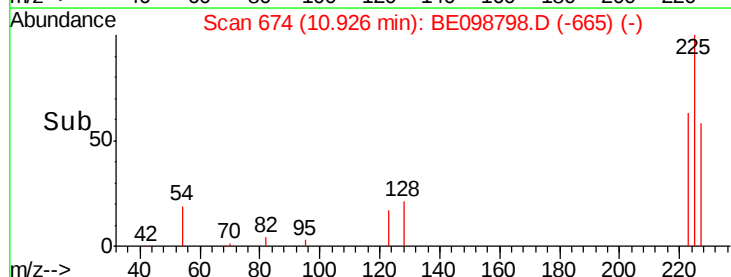
227 63.5 51.6 77.4



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: 0.408 ng

RT: 12.21 min Scan# 763

Delta R.T. 0.01 min

Lab File: BE098798.D

Acq: 6 Mar 2019 14:55

Instrument :

BNA_E

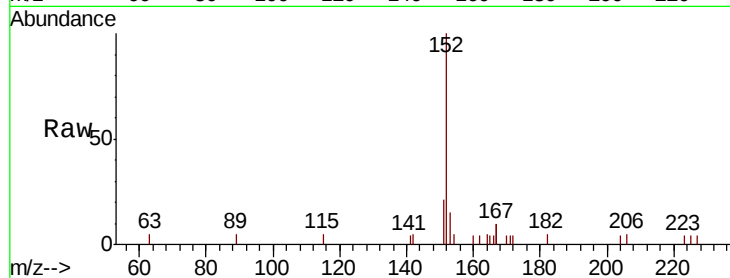
ClientSampled :

Tot Ion:152 Resp: 2312

Ion Ratio Lower Upper

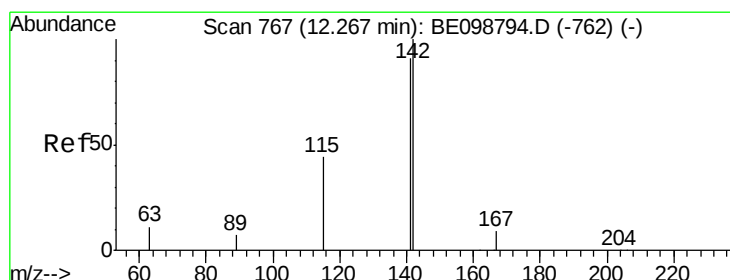
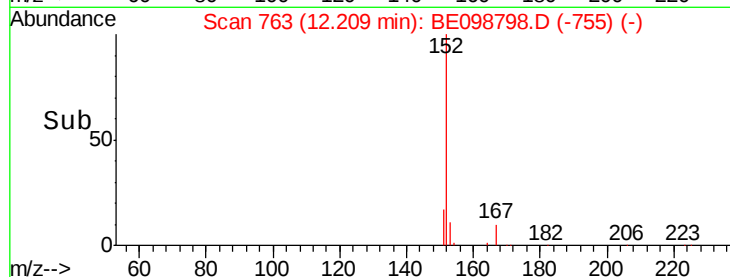
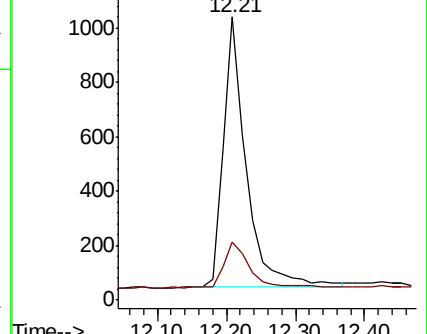
152 100

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

2-Methylnaphthalene

Concen: 0.393 ng

RT: 12.28 min Scan# 768

Delta R.T. 0.01 min

Lab File: BE098798.D

Acq: 6 Mar 2019 14:55

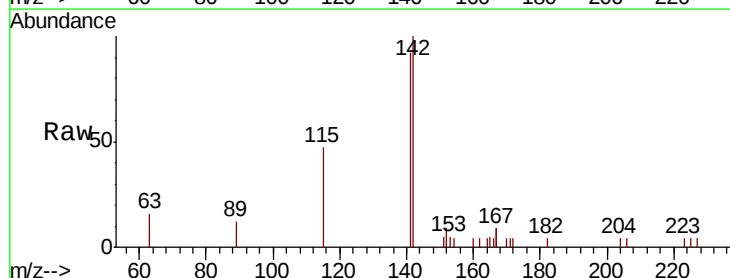
Tgt Ion:142 Resp: 2241

Ion Ratio Lower Upper

142 100

141 92.1 72.6 108.8

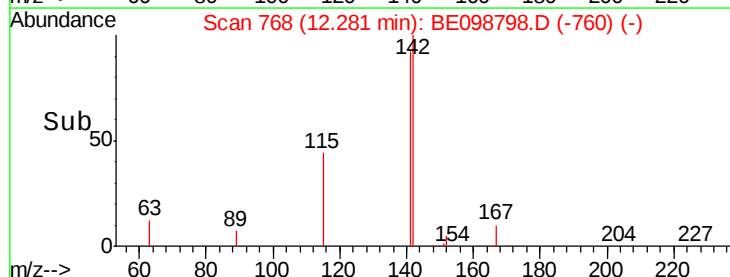
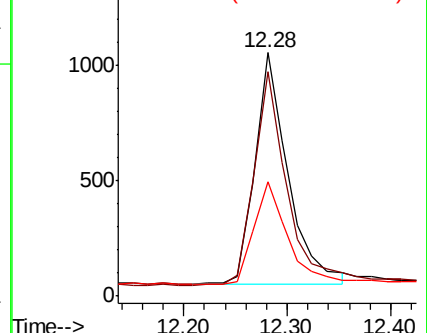
115 47.0 37.4 56.2



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

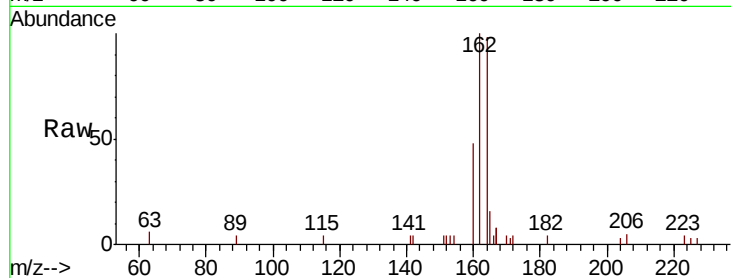




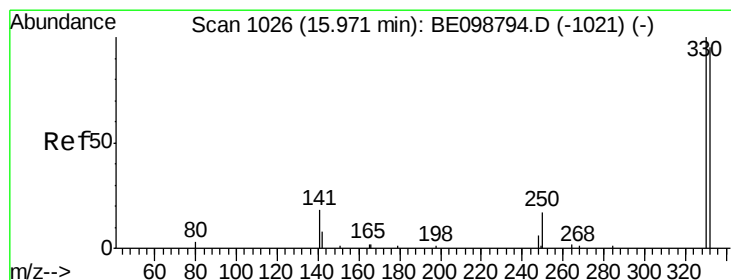
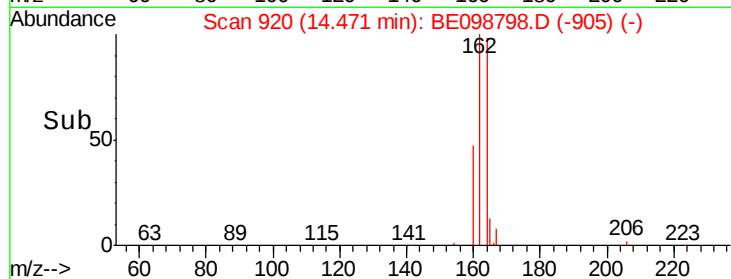
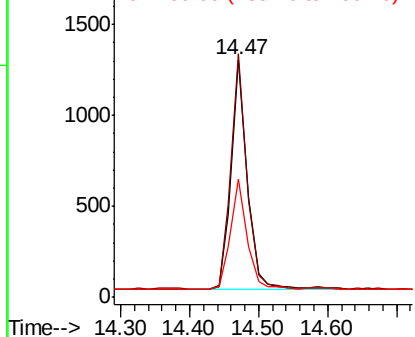
#13
 Acenaphthene-d10
 Concen: 0.400 ng
 RT: 14.47 min Scan# 920
 Delta R.T. 0.01 min
 Lab File: BE098798.D
 Acq: 6 Mar 2019 14:55

Instrument :
 BNA_E
 ClientSampleId :

Tot Ion:164 Resp: 2052
 Ion Ratio Lower Upper
 164 100
 162 102.5 80.2 120.2
 160 49.6 37.8 56.8

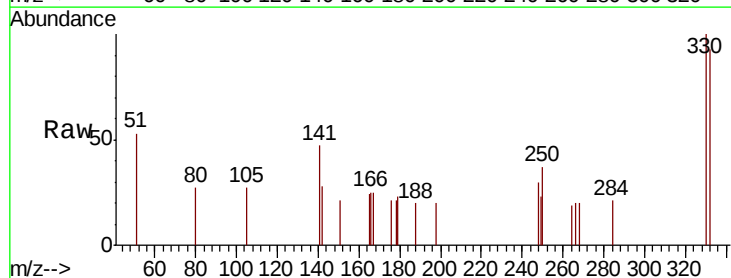


Abundance Ion 164.00 (163.70 to 164.70): E
 Ion 162.00 (161.70 to 162.70): E
 Ion 160.00 (159.70 to 160.70): E

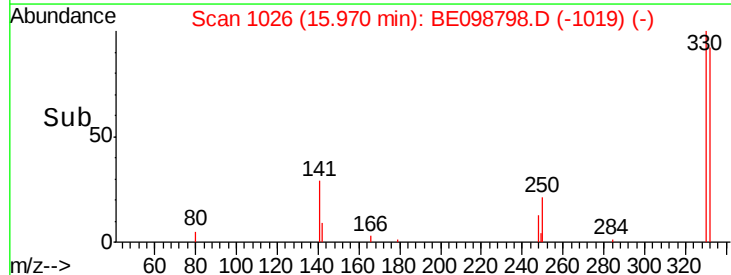
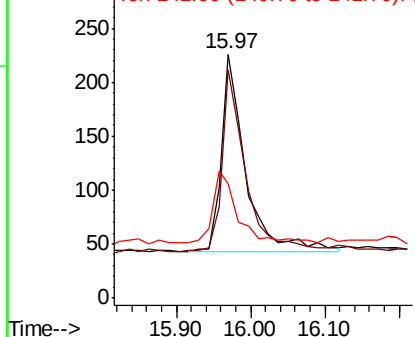


#14
 2,4,6-Tribromophenol
 Concen: 0.401 ng
 RT: 15.97 min Scan# 1026
 Delta R.T. -0.00 min
 Lab File: BE098798.D
 Acq: 6 Mar 2019 14:55

Tgt Ion:330 Resp: 415
 Ion Ratio Lower Upper
 330 100
 332 86.0 77.6 116.4
 141 40.2 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

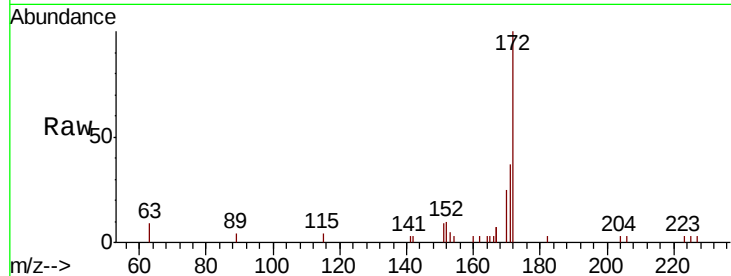




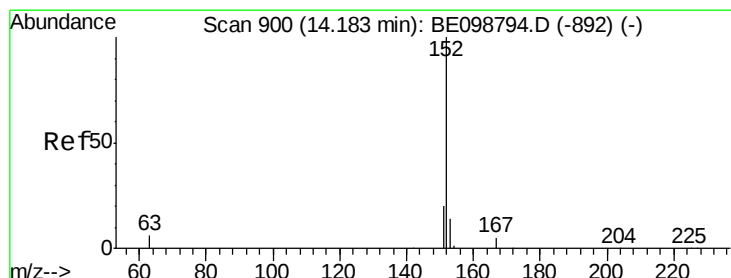
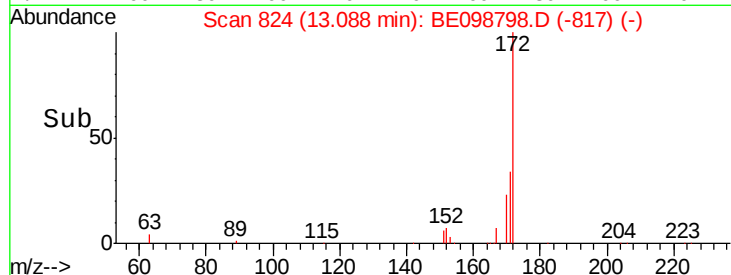
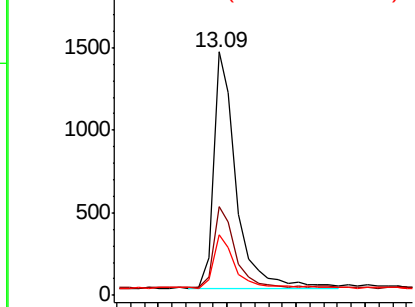
#15
2-Fluorobiphenyl
Concen: 0.384 ng
RT: 13.09 min Scan# 824
Delta R.T. -0.00 min
Lab File: BE098798.D
Acq: 6 Mar 2019 14:55

Instrument :
BNA_E
ClientSampleId :

Tot Ion:172 Resp: 3264
Ion Ratio Lower Upper
172 100
171 36.5 28.0 42.0
170 25.0 17.7 26.5

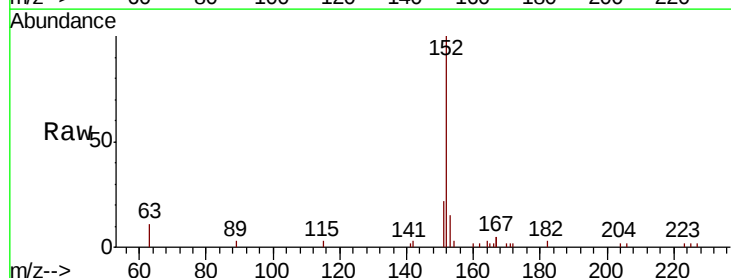


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

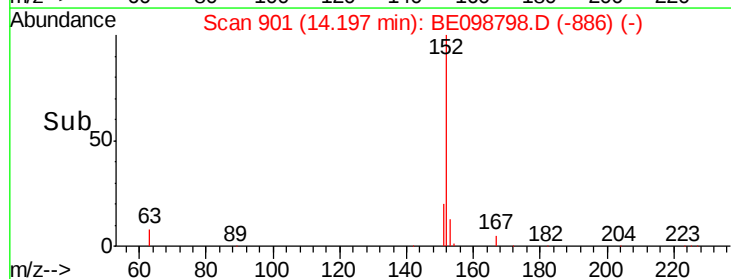
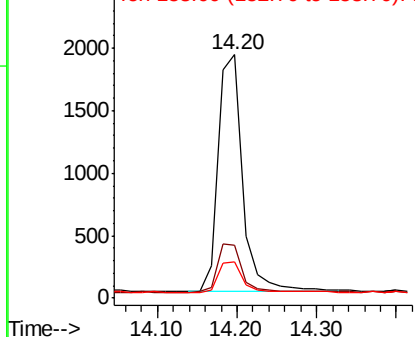


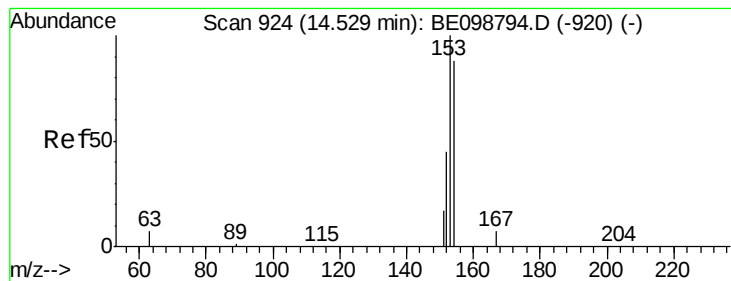
#16
Acenaphthylene
Concen: 0.383 ng
RT: 14.20 min Scan# 901
Delta R.T. 0.01 min
Lab File: BE098798.D
Acq: 6 Mar 2019 14:55

Tgt Ion:152 Resp: 4047
Ion Ratio Lower Upper
152 100
151 20.3 17.0 25.6
153 13.3 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: 0.396 ng

RT: 14.53 min Scan# 924

Delta R.T. -0.00 min

Lab File: BE098798.D

Acq: 6 Mar 2019 14:55

Instrument :

BNA_E

ClientSampleId :

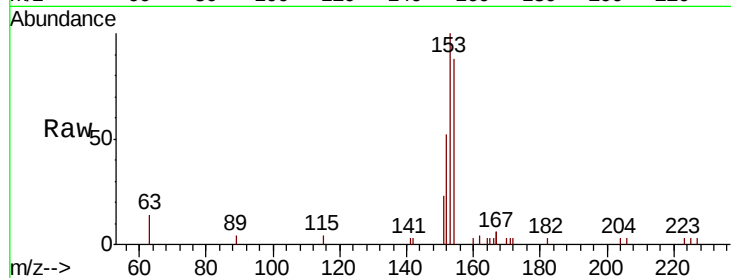
Tot Ion:154 Resp: 2482

Ion Ratio Lower Upper

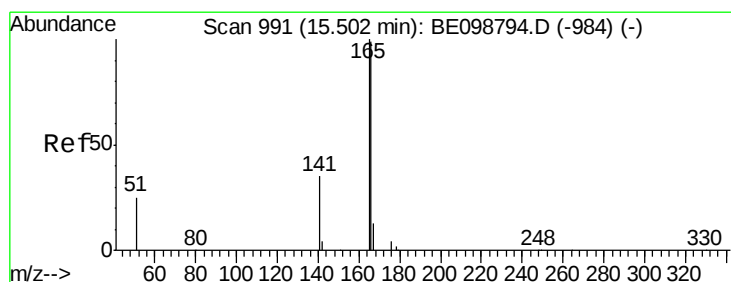
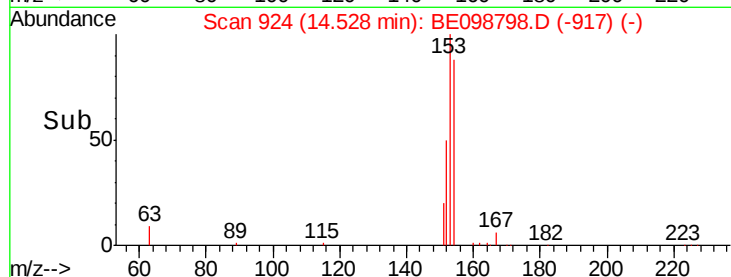
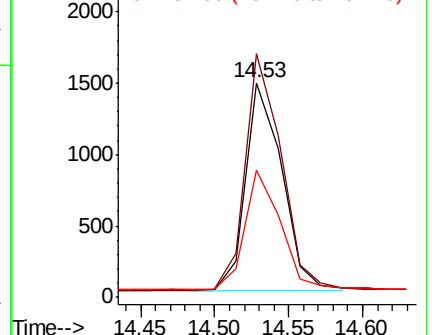
154 100

153 113.7 94.2 141.4

152 56.4 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: 0.377 ng

RT: 15.52 min Scan# 992

Delta R.T. 0.01 min

Lab File: BE098798.D

Acq: 6 Mar 2019 14:55

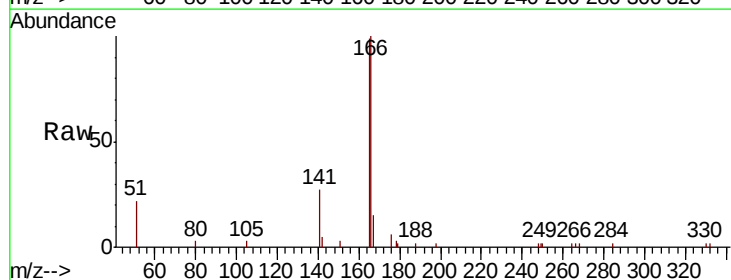
Tgt Ion:166 Resp: 3406

Ion Ratio Lower Upper

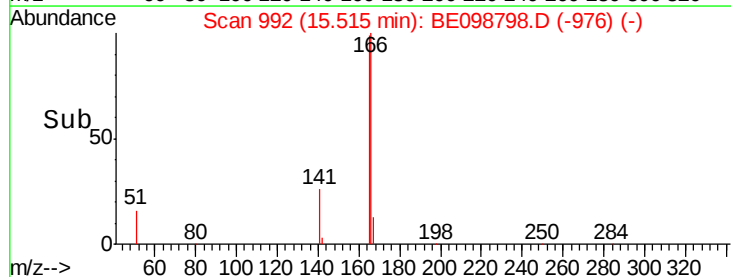
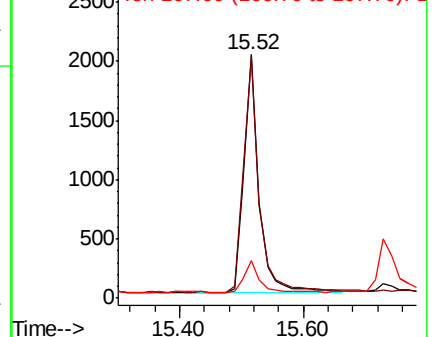
166 100

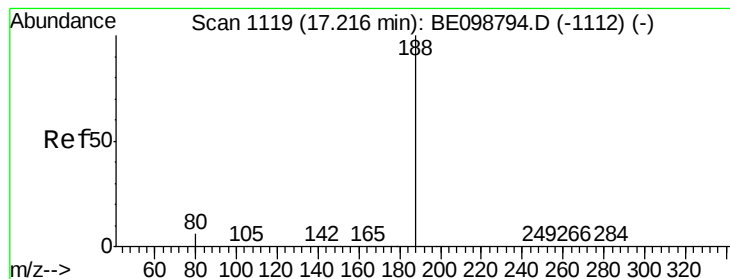
165 101.2 79.3 118.9

167 13.5 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: 17.22 min Scan# 1119

Delta R.T. -0.00 min

Lab File: BE098798.D

Acq: 6 Mar 2019 14:55

Instrument :

BNA_E

ClientSampleId :

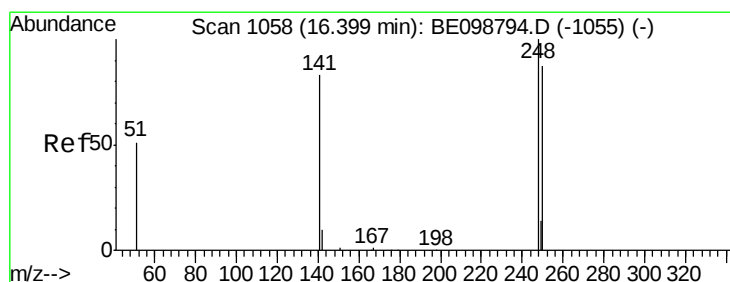
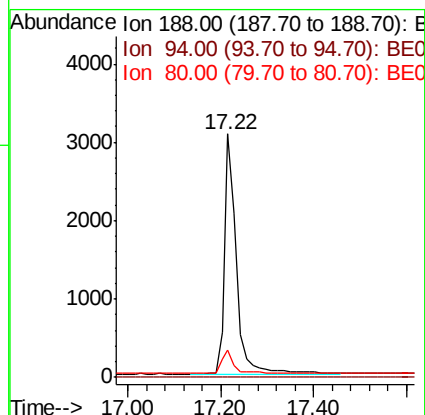
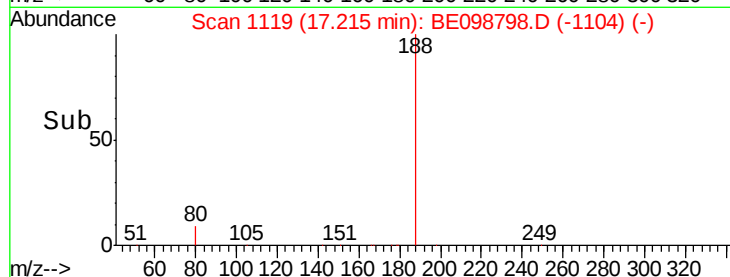
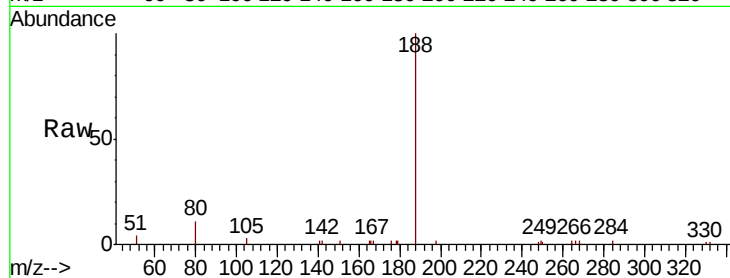
Tot Ion:188 Resp: 5533

Ion Ratio Lower Upper

188 100

94 0.0 0.0 0.0

80 11.1 6.3 9.5#



#20

4-Bromophenyl-phenylether

Concen: 0.368 ng

RT: 16.41 min Scan# 1059

Delta R.T. 0.01 min

Lab File: BE098798.D

Acq: 6 Mar 2019 14:55

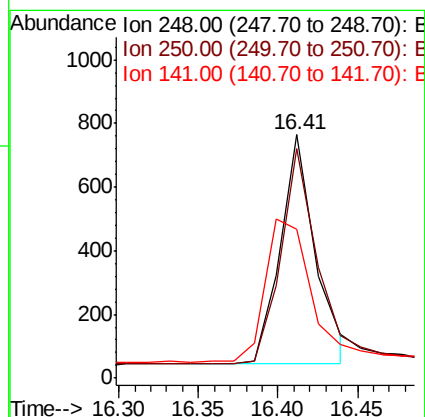
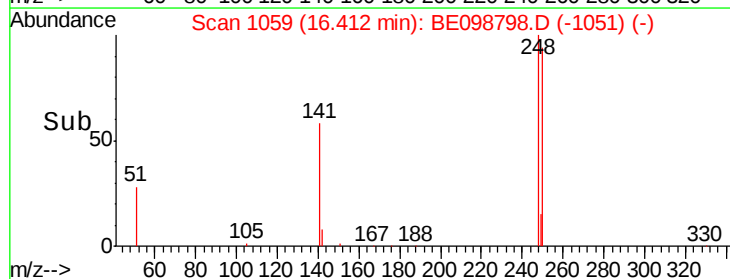
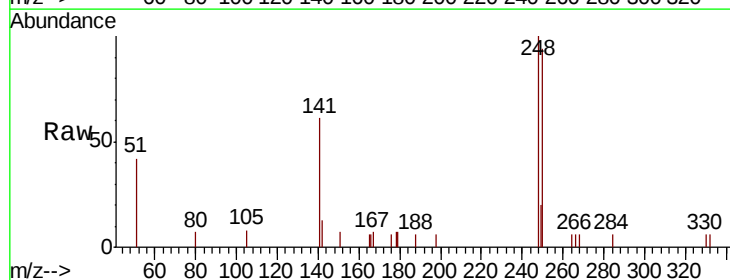
Tgt Ion:248 Resp: 1105

Ion Ratio Lower Upper

248 100

250 94.4 70.6 105.8

141 61.0 68.6 102.8#

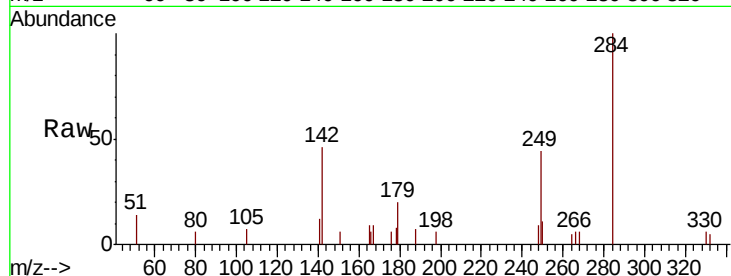




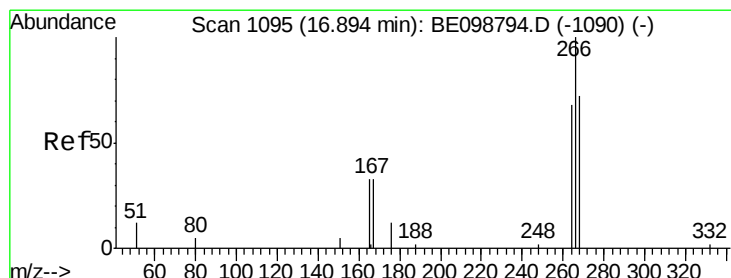
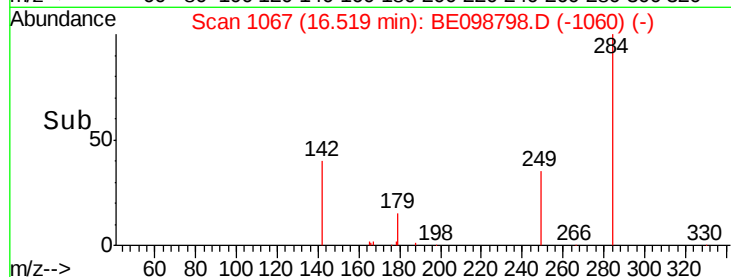
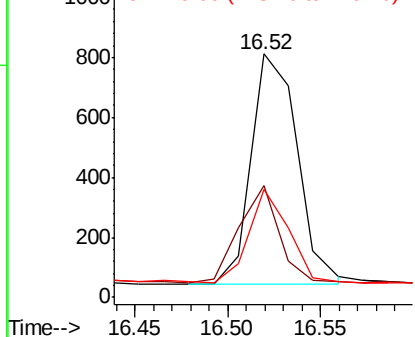
#21
Hexachlorobenzene
Concen: 0.375 ng
RT: 16.52 min Scan# 1067
Delta R.T. -0.00 min
Lab File: BE098798.D
Acq: 6 Mar 2019 14:55

Instrument :
BNA_E
ClientSampled :

Tot Ion:284 Resp: 1338
Ion Ratio Lower Upper
284 100
142 36.8 28.7 43.1
249 34.2 29.6 44.4

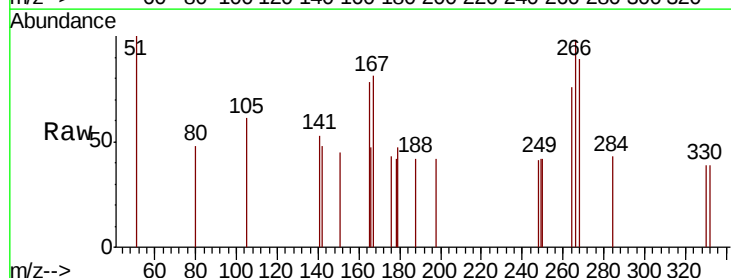


Abundance Ion 283.80 (283.50 to 284.50): E
Ion 142.00 (141.70 to 142.70): E
Ion 249.00 (248.70 to 249.70): E

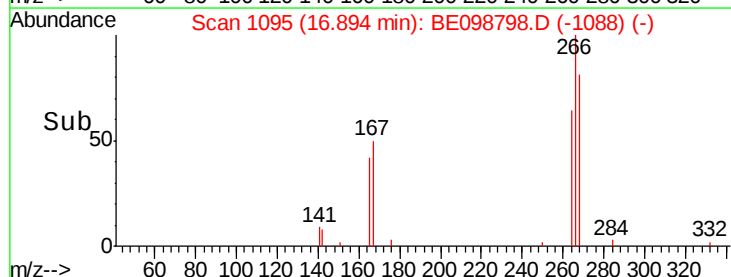
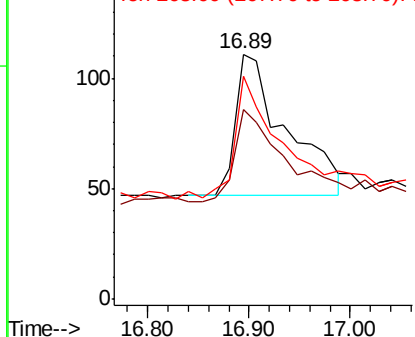


#22
Pentachlorophenol
Concen: 0.448 ng
RT: 16.89 min Scan# 1095
Delta R.T. 0.00 min
Lab File: BE098798.D
Acq: 6 Mar 2019 14:55

Tgt Ion:266 Resp: 223
Ion Ratio Lower Upper
266 100
264 77.5 66.6 100.0
268 91.0 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: 0.383 ng

RT: 17.26 min Scan# 1122

Delta R.T. -0.00 min

Lab File: BE098798.D

Acq: 6 Mar 2019 14:55

Instrument :

BNA_E

ClientSampleId :

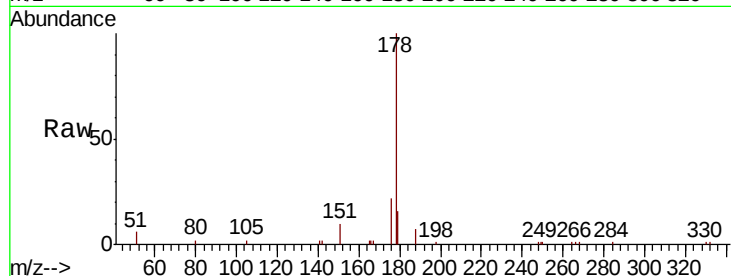
Tot Ion:178 Resp: 6020

Ion Ratio Lower Upper

178 100

176 20.4 16.0 24.0

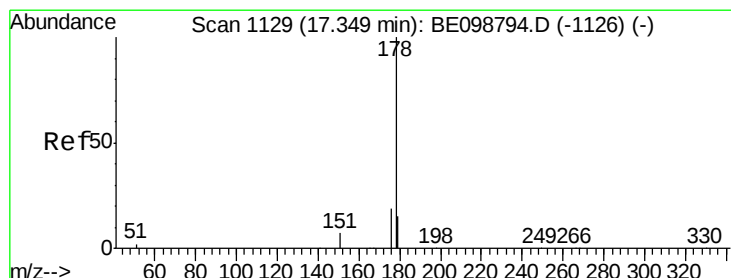
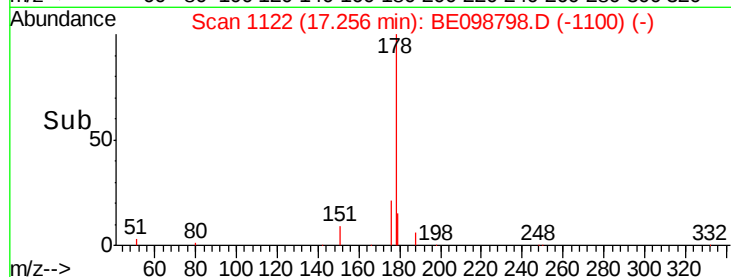
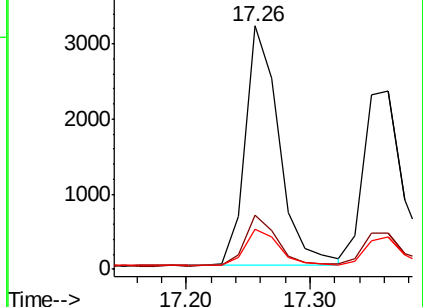
179 15.1 12.1 18.1



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: 0.368 ng

RT: 17.36 min Scan# 1130

Delta R.T. 0.01 min

Lab File: BE098798.D

Acq: 6 Mar 2019 14:55

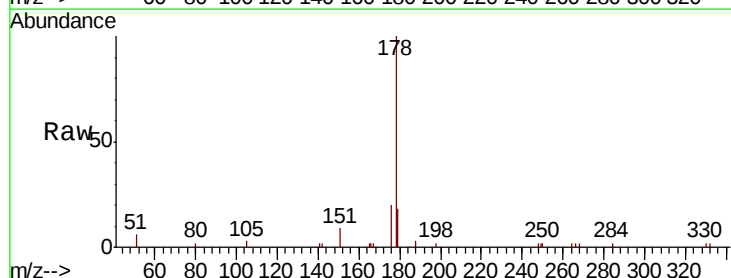
Tgt Ion:178 Resp: 4946

Ion Ratio Lower Upper

178 100

176 18.2 15.4 23.0

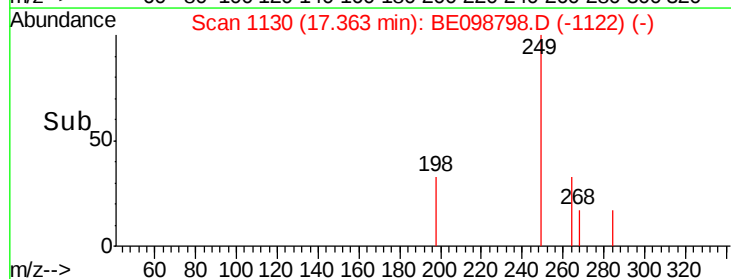
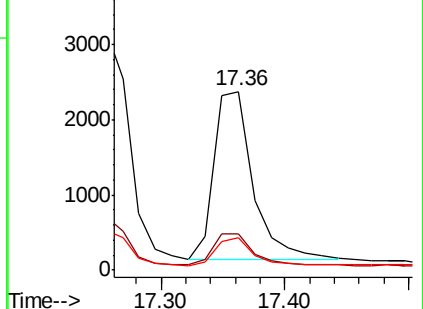
179 15.5 12.2 18.4

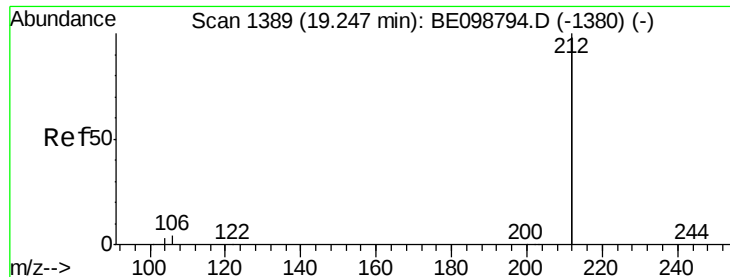


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#25

Fluoranthene-d10

Concen: 0.379 ng

RT: 19.25 min Scan# 1390

Delta R.T. 0.01 min

Lab File: BE098798.D

Acq: 6 Mar 2019 14:55

Instrument :

BNA_E

ClientSampleId :

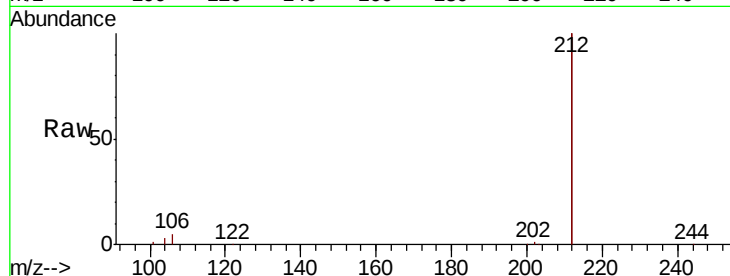
Tot Ion:212 Resp: 33460

Ion Ratio Lower Upper

212 100

106 2.3 1.8 2.8

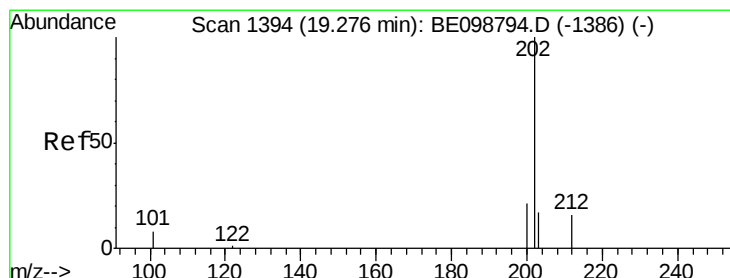
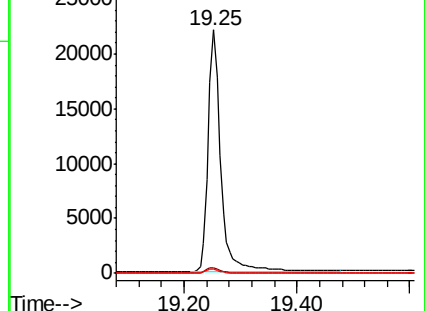
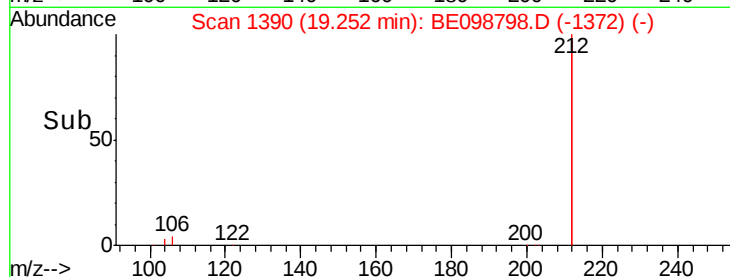
104 1.4 1.0 1.6



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: 0.373 ng

RT: 19.28 min Scan# 1395

Delta R.T. 0.01 min

Lab File: BE098798.D

Acq: 6 Mar 2019 14:55

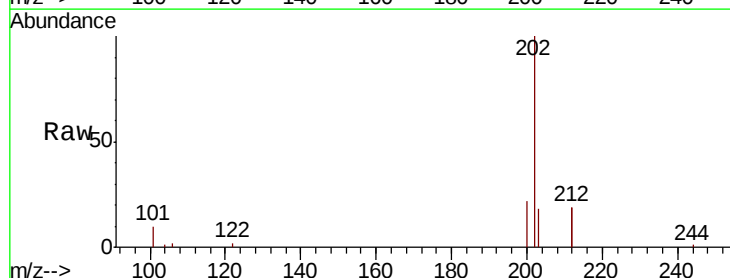
Tgt Ion:202 Resp: 8290

Ion Ratio Lower Upper

202 100

101 8.4 7.3 10.9

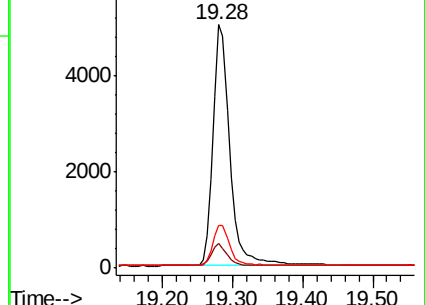
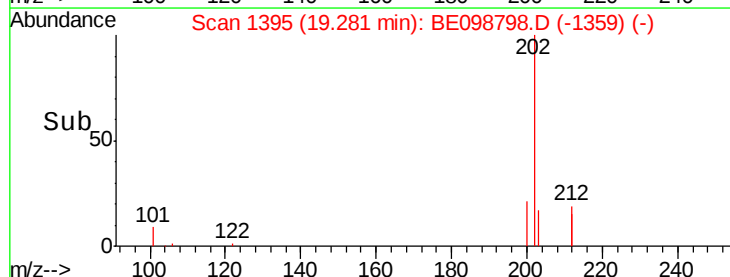
203 17.2 13.4 20.2



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: BE098798.D

Acq: 6 Mar 2019 14:55

Instrument :

BNA_E

ClientSampleId :

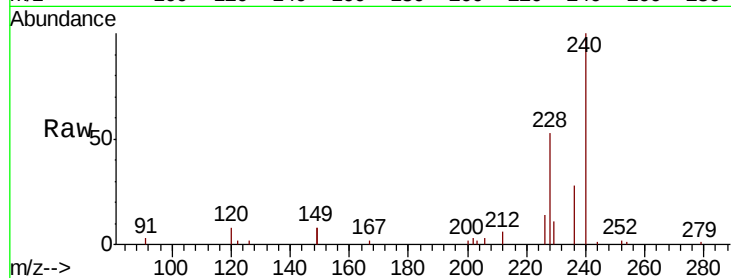
Tot Ion:240 Resp: 7353

Ion Ratio Lower Upper

240 100

120 8.0 5.0 7.4#

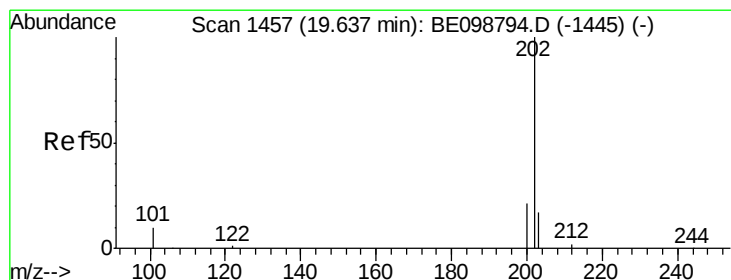
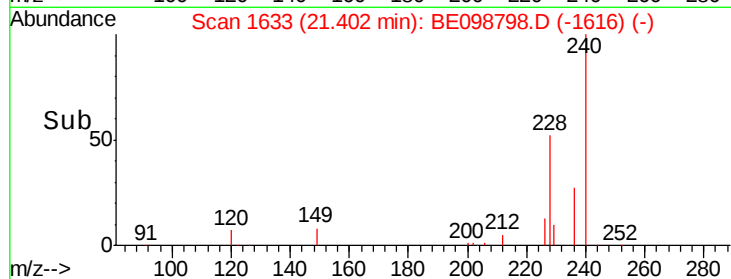
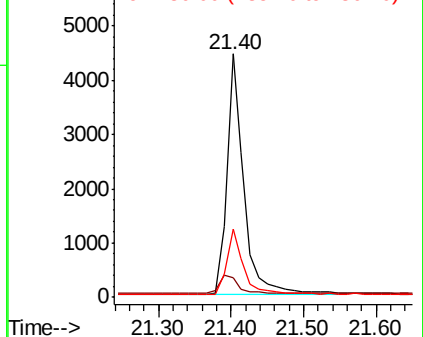
236 28.2 22.7 34.1



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: 0.381 ng

RT: 19.65 min Scan# 1459

Delta R.T. 0.01 min

Lab File: BE098798.D

Acq: 6 Mar 2019 14:55

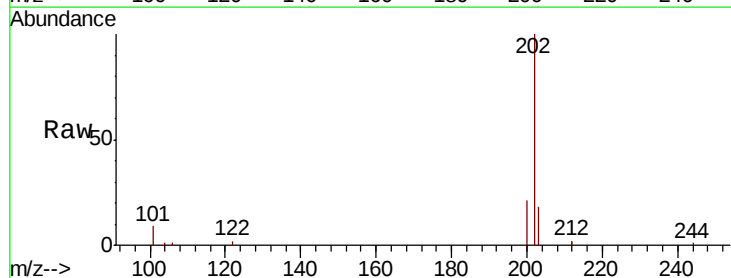
Tgt Ion:202 Resp: 8567

Ion Ratio Lower Upper

202 100

200 21.3 17.0 25.6

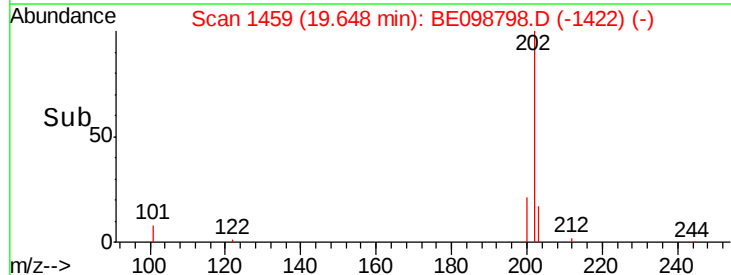
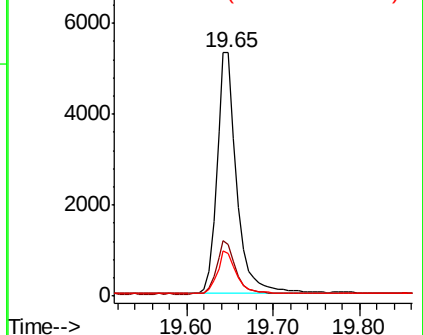
203 17.3 14.2 21.2



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: 0.377 ng

RT: 19.85 min Scan# 1494

Delta R.T. 0.01 min

Lab File: BE098798.D

Acq: 6 Mar 2019 14:55

Instrument :

BNA_E

ClientSampleId :

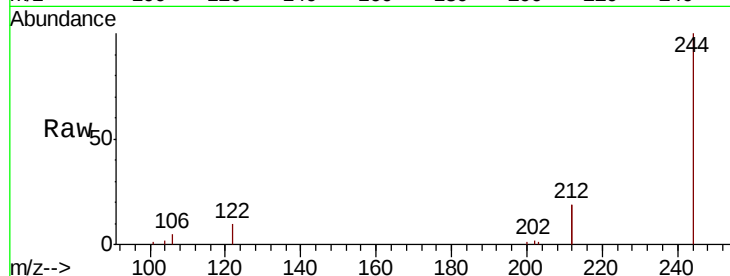
Tot Ion:244 Resp: 6738

Ion Ratio Lower Upper

244 100

212 39.0 29.4 44.2

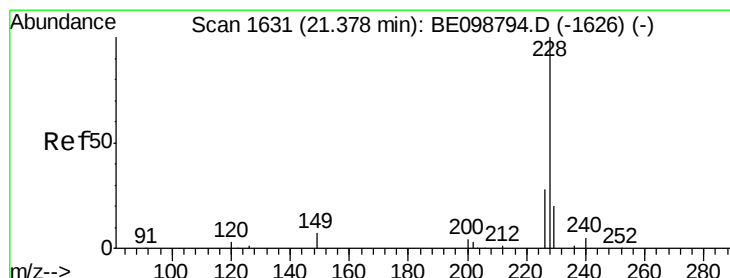
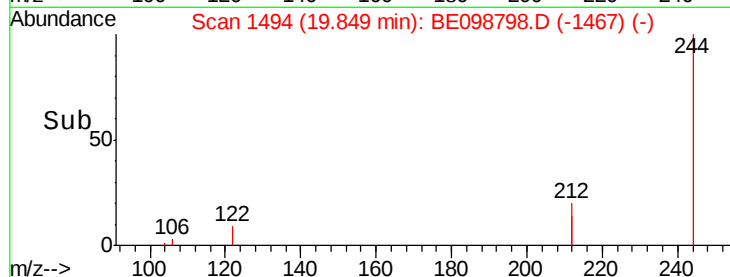
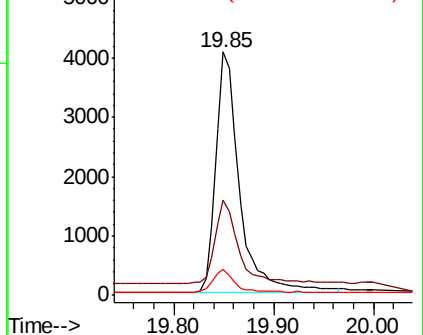
122 10.5 7.1 10.7



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: 0.372 ng

RT: 21.39 min Scan# 1632

Delta R.T. 0.01 min

Lab File: BE098798.D

Acq: 6 Mar 2019 14:55

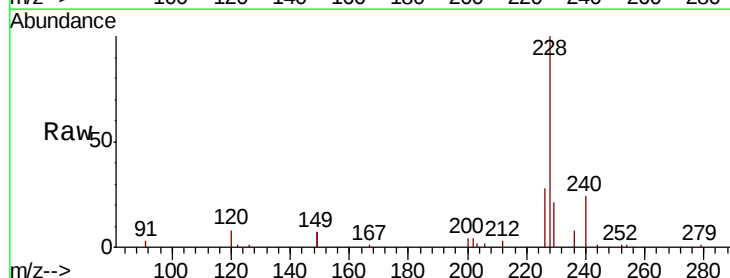
Tgt Ion:228 Resp: 8542

Ion Ratio Lower Upper

228 100

226 28.2 23.0 34.4

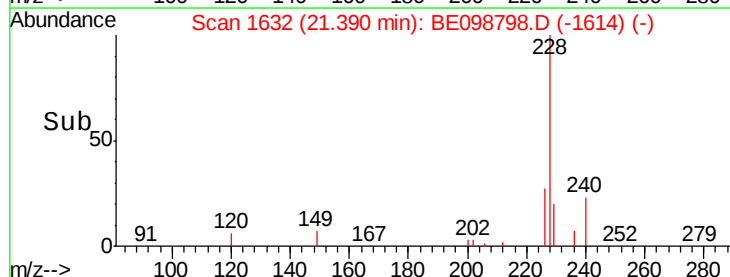
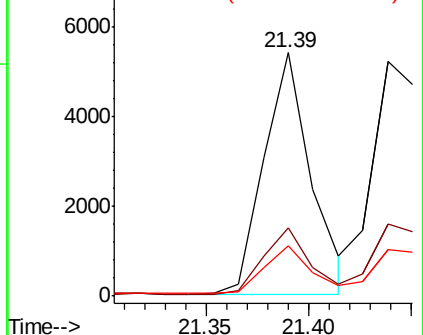
229 20.8 16.5 24.7



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: 0.394 ng

RT: 21.44 min Scan# 1636

Delta R.T. -0.00 min

Lab File: BE098798.D

Acq: 6 Mar 2019 14:55

Instrument :

BNA_E

ClientSampleId :

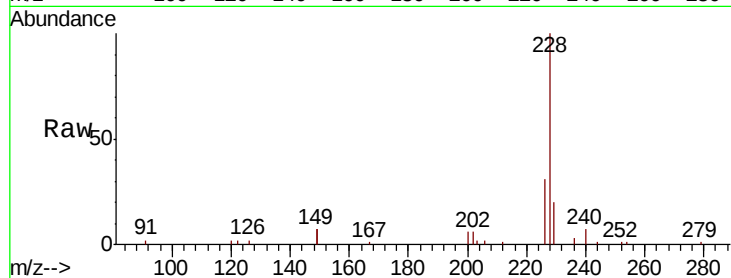
Tot Ion:228 Resp: 9679

Ion Ratio Lower Upper

228 100

226 30.6 23.7 35.5

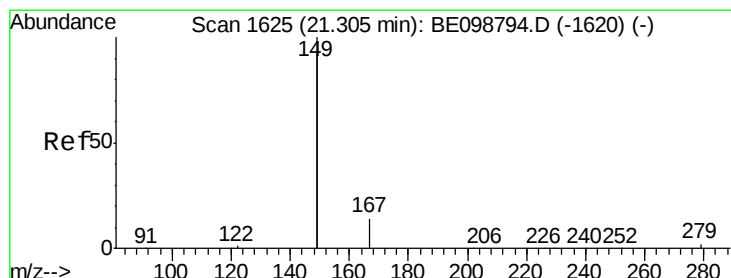
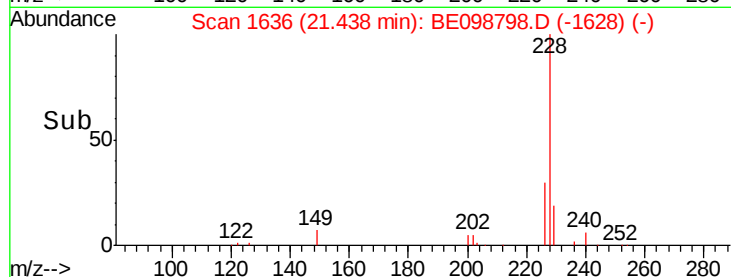
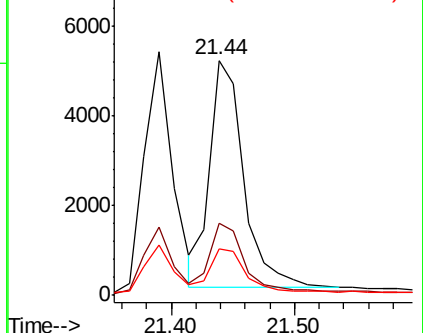
229 20.0 16.1 24.1



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: 0.360 ng

RT: 21.31 min Scan# 1625

Delta R.T. -0.00 min

Lab File: BE098798.D

Acq: 6 Mar 2019 14:55

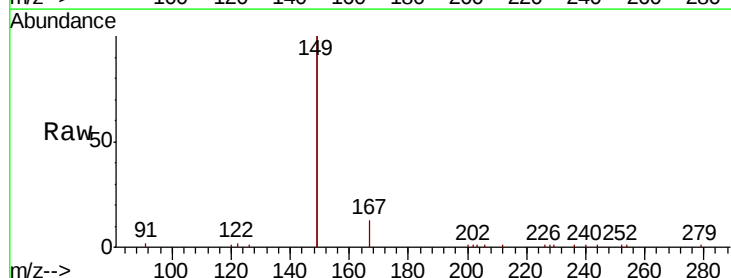
Tgt Ion:149 Resp: 17571

Ion Ratio Lower Upper

149 100

167 6.8 5.4 8.0

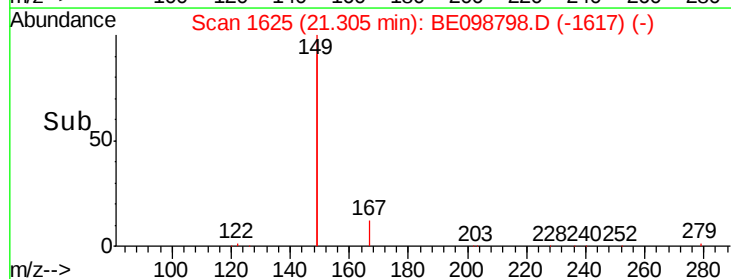
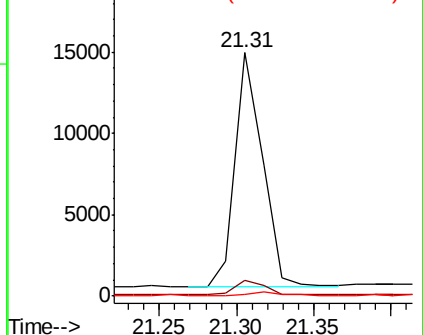
279 1.2 1.0 1.4



Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E

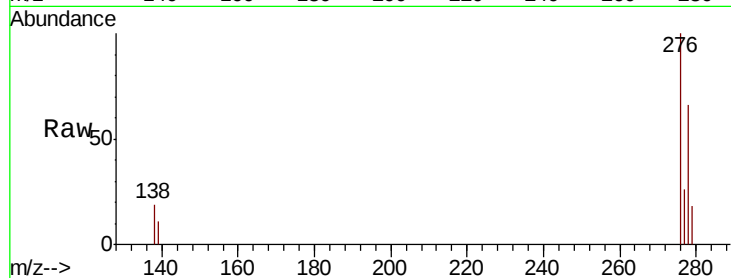




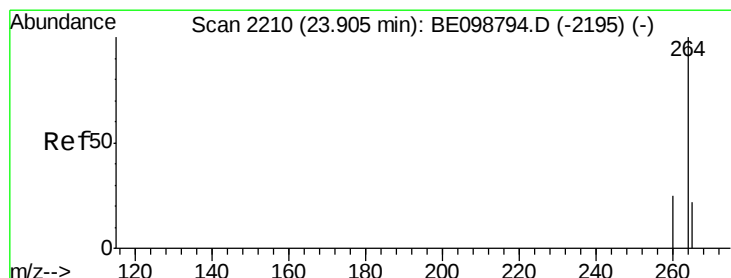
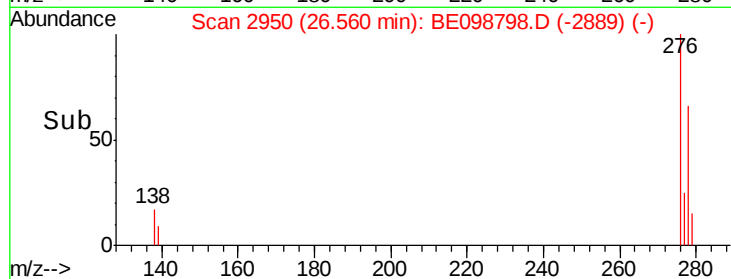
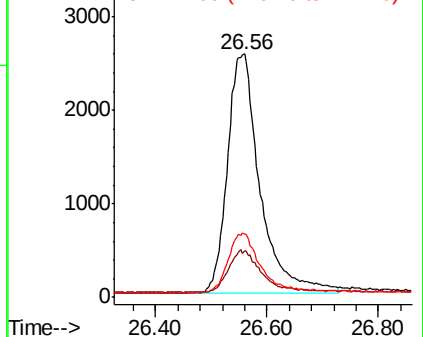
#33
Indeno(1,2,3-cd)pyrene
Concen: 0.399 ng
RT: 26.56 min Scan# 2950
Delta R.T. 0.02 min
Lab File: BE098798.D
Acq: 6 Mar 2019 14:55

Instrument :
BNA_E
ClientSampleId :

Tot Ion:276 Resp: 10351
Ion Ratio Lower Upper
276 100
138 17.2 13.8 20.8
277 24.7 19.5 29.3

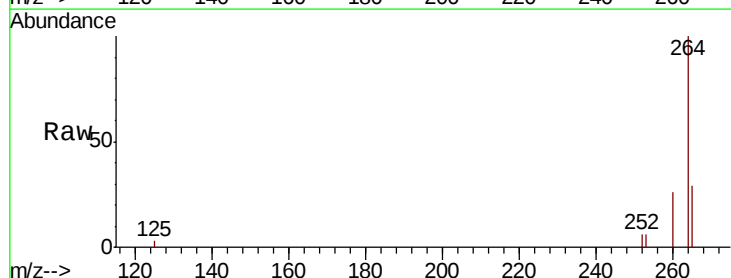


Abundance Ion 276.00 (275.70 to 276.70): E
Ion 138.00 (137.70 to 138.70): E
Ion 277.00 (276.70 to 277.70): E

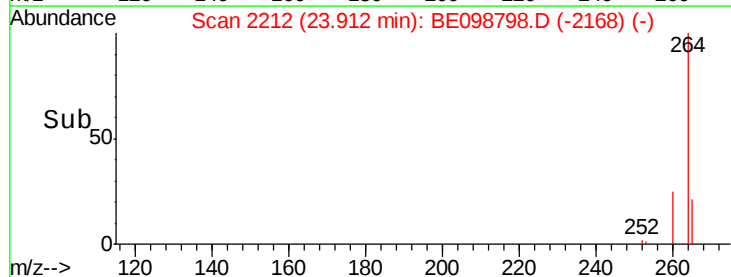
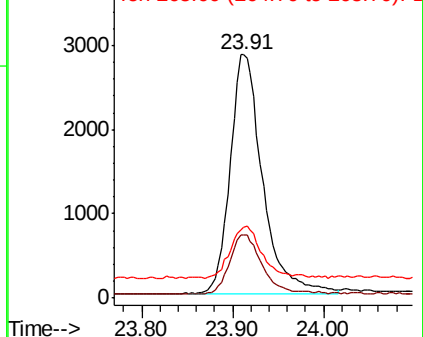


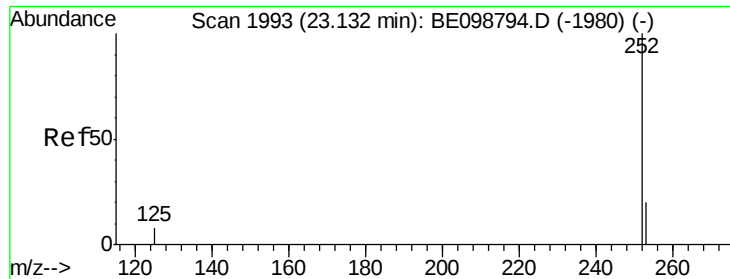
#34
Perylene-d12
Concen: 0.400 ng
RT: 23.91 min Scan# 2212
Delta R.T. 0.01 min
Lab File: BE098798.D
Acq: 6 Mar 2019 14:55

Tgt Ion:264 Resp: 7055
Ion Ratio Lower Upper
264 100
260 25.7 21.2 31.8
265 29.1 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





#35

Benzo(b)fluoranthene

Concen: 0.376 ng

RT: 23.14 min Scan# 1995

Delta R.T. 0.01 min

Lab File: BE098798.D

Acq: 6 Mar 2019 14:55

Instrument :

BNA_E

ClientSampleId :

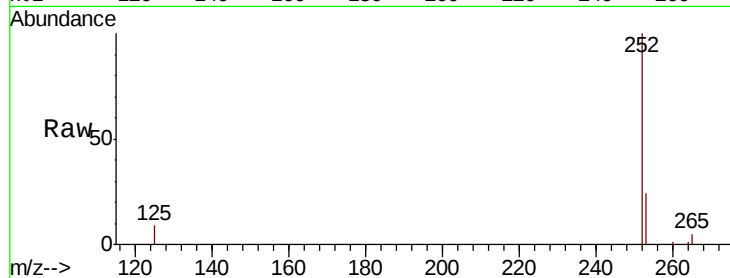
Tot Ion:252 Resp: 8715

Ion Ratio Lower Upper

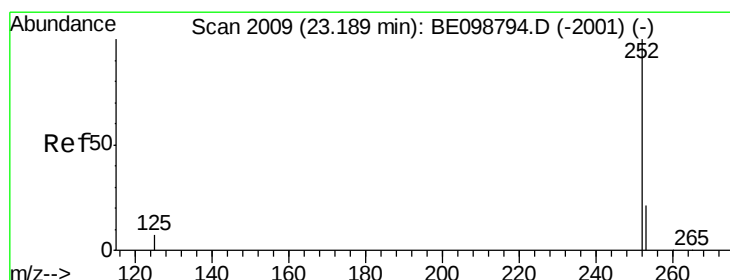
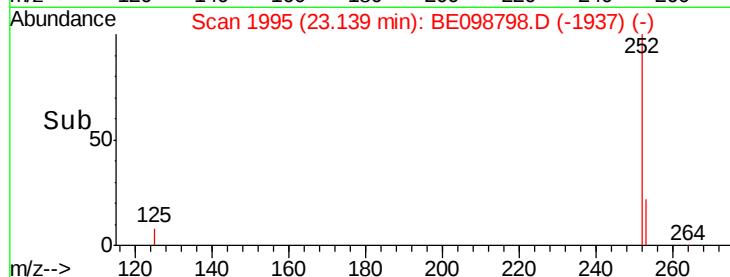
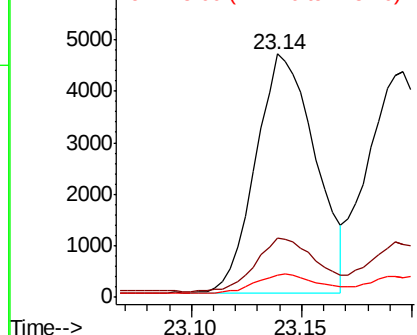
252 100

253 24.3 18.2 27.2

125 9.2 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: 0.401 ng

RT: 23.20 min Scan# 2011

Delta R.T. 0.01 min

Lab File: BE098798.D

Acq: 6 Mar 2019 14:55

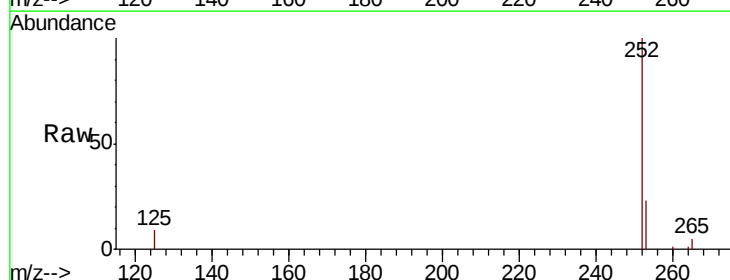
Tgt Ion:252 Resp: 9742

Ion Ratio Lower Upper

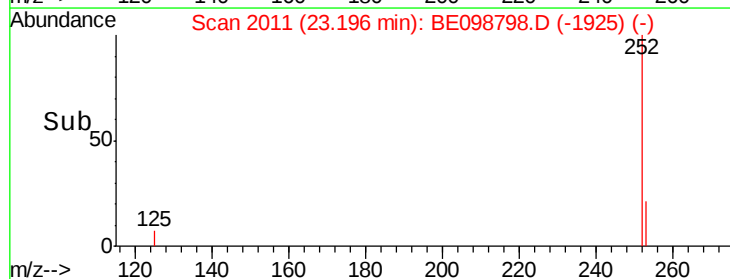
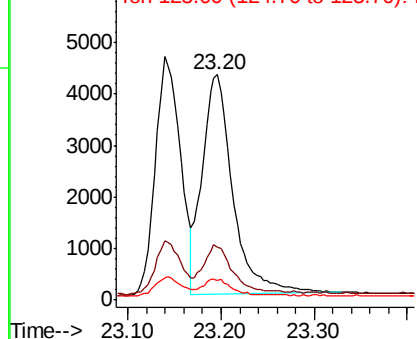
252 100

253 23.4 19.3 28.9

125 8.7 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: 0.381 ng

RT: 23.80 min Scan# 2181

Delta R.T. 0.01 min

Lab File: BE098798.D

Acq: 6 Mar 2019 14:55

Instrument :

BNA_E

ClientSampleId :

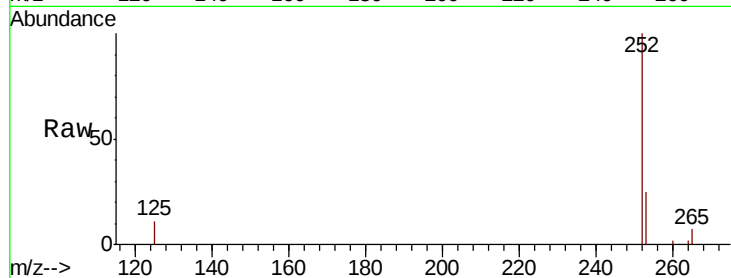
Tot Ion:252 Resp: 8465

Ion Ratio Lower Upper

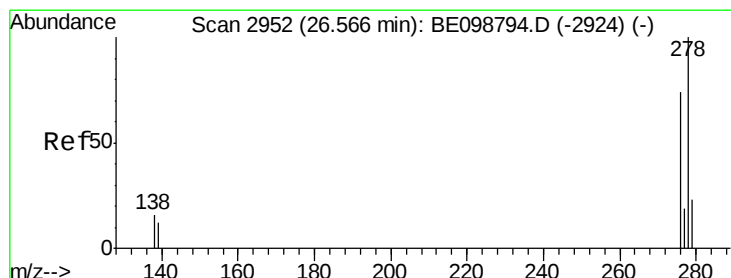
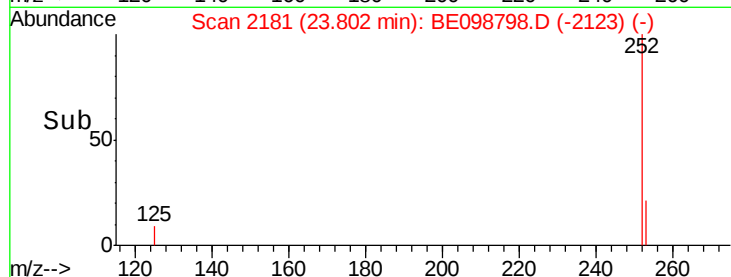
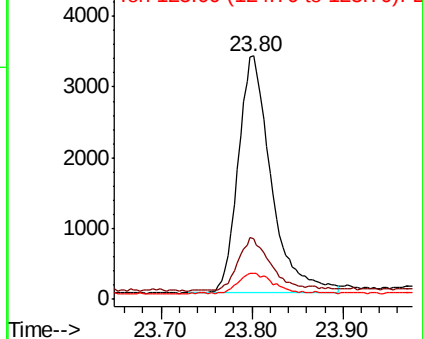
252 100

253 24.7 19.9 29.9

125 10.9 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: 0.388 ng

RT: 26.57 min Scan# 2954

Delta R.T. 0.01 min

Lab File: BE098798.D

Acq: 6 Mar 2019 14:55

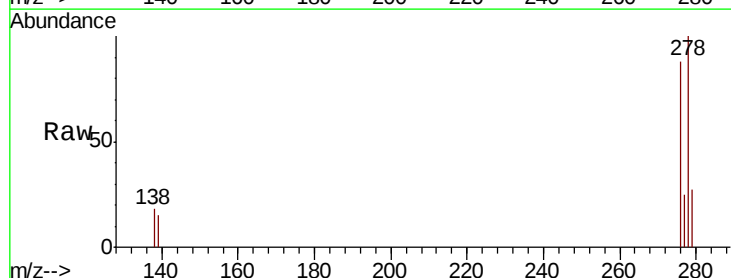
Tgt Ion:278 Resp: 8170

Ion Ratio Lower Upper

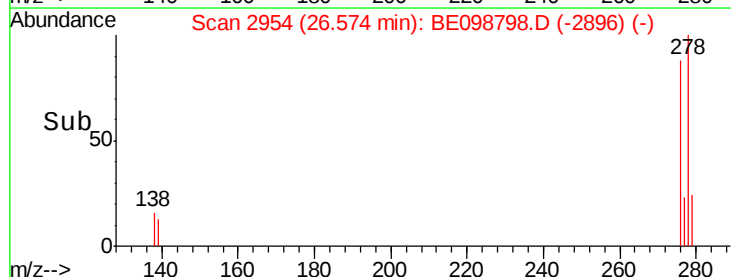
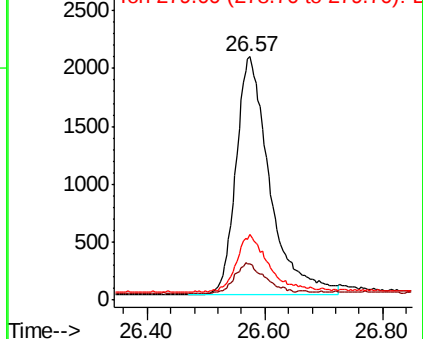
278 100

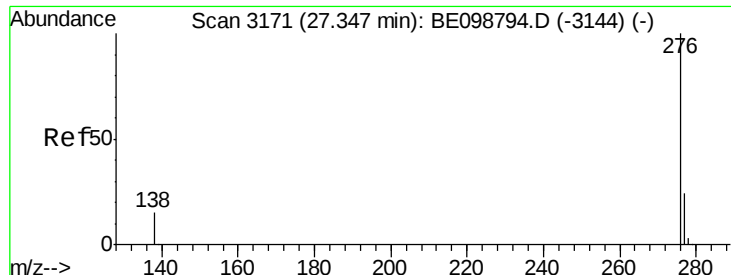
139 15.0 11.8 17.6

279 27.1 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: 0.388 ng

RT: 27.36 min Scan# 3175

Delta R.T. 0.02 min

Lab File: BE098798.D

Acq: 6 Mar 2019 14:55

Instrument :

BNA_E

ClientSampleId :

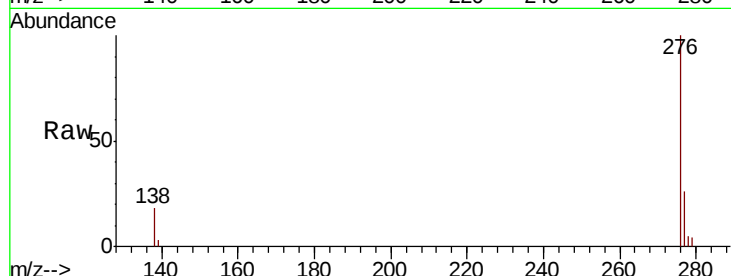
Tot Ion: 276 Resp: 8544

Ion Ratio Lower Upper

276 100

277 26.0 20.4 30.6

138 17.7 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

