

Data Path : Z:\SVOASRV\HPCHEM1\BNA_E\DATA\BE031819\
 Data File : BE098999.D
 Acq On : 18 Mar 2019 14:01
 Operator : JU/SJ
 Sample : PB117987BS
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 PB117987BS

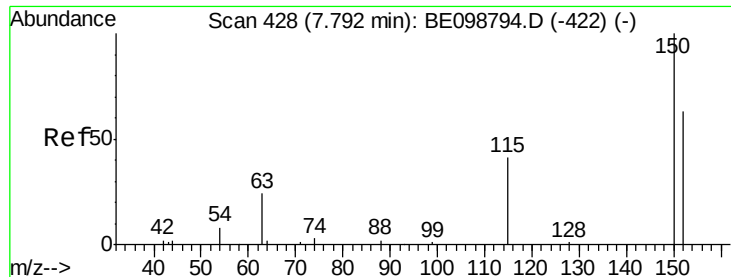
Quant Time: Mar 19 01:51:59 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_E\METHODS\8270-SIM-BE030619.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Mar 15 05:31:33 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.79	152	790	0.40	ng	0.00
7) Naphthalene-d8	10.59	136	3715	0.40	ng	0.00
13) Acenaphthene-d10	14.46	164	2510	0.40	ng	0.00
19) Phenanthrene-d10	17.21	188	6051	0.40	ng	0.00
27) Chrysene-d12	21.40	240	6406	0.40	ng	0.00
34) Perylene-d12	23.90	264	6193	0.40	ng	-0.01

System Monitoring Compounds						
4) 2-Fluorophenol	5.41	112	706	0.30	ng	0.02
5) Phenol-d6	7.01	99	1175	0.35	ng	0.02
8) Nitrobenzene-d5	8.98	82	1741	0.45	ng	0.01
11) 2-Methylnaphthalene-d10	12.20	152	2744	0.40	ng	0.00
14) 2,4,6-Tribromophenol	15.97	330	321	0.25	ng	0.00
15) 2-Fluorobiphenyl	13.09	172	5662	0.54	ng	0.00
25) Fluoranthene-d10	19.24	212	31840	0.33	ng	0.00
29) Terphenyl-d14	19.84	244	18945	1.22	ng	0.00

Target Compounds				Qvalue		
2) 1,4-Dioxane	3.29	88	598	0.387	ng	96
3) n-Nitrosodimethylamine	3.67	42	169	0.085	ng	# 92
6) bis(2-Chloroethyl)ether	7.24	93	770	0.299	ng	# 85
9) Naphthalene	10.64	128	17263	0.406	ng	99
10) Hexachlorobutadiene	10.90	225	1094	0.389	ng	98
12) 2-Methylnaphthalene	12.27	142	2609	0.378	ng	100
16) Acenaphthylene	14.18	152	4888	0.379	ng	97
17) Acenaphthene	14.51	154	3021	0.394	ng	96
18) Fluorene	15.50	166	4125	0.374	ng	100
20) 4-Bromophenyl-phenylether	16.41	248	1399	0.427	ng	# 80
21) Hexachlorobenzene	16.52	284	1555	0.399	ng	99
22) Pentachlorophenol	16.92	266	47	0.300	ng	97
23) Phenanthrene	17.25	178	6531	0.380	ng	100
24) Anthracene	17.35	178	4682	0.318	ng	99
26) Fluoranthene	19.27	202	8342	0.344	ng	99
28) Pyrene	19.64	202	8530	0.435	ng	100
30) Benzo(a)anthracene	21.38	228	6963	0.348	ng	100
31) Chrysene	21.44	228	8302	0.388	ng	99
32) Bis(2-ethylhexyl)phthalate	21.29	149	12625	0.297	ng	100
33) Indeno(1,2,3-cd)pyrene	26.55	276	6693	0.296	ng	# 73
35) Benzo(b)fluoranthene	23.18	252	8416	0.413	ng	96
36) Benzo(k)fluoranthene	23.18	252	9133	0.428	ng	98
37) Benzo(a)pyrene	23.79	252	7688	0.394	ng	# 81
38) Dibenzo(a,h)anthracene	26.57	278	4268	0.231	ng	# 91
39) Benzo(g,h,i)perylene	27.35	276	6475	0.335	ng	96

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



#1

1,4-Dichlorobenzene-d4

Concen: 0.400 ng

RT: 7.79 min Scan# 428

Delta R.T. 0.00 min

Lab File: BE098999.D

Acq: 18 Mar 2019 14:01

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PB117987BS

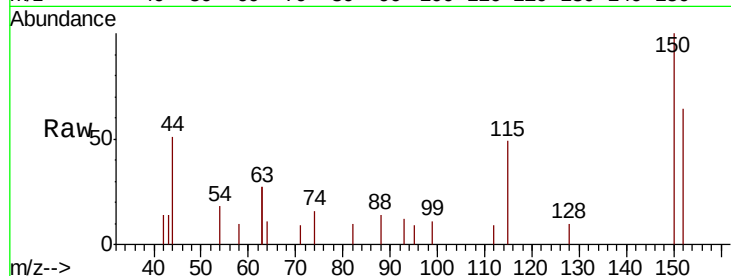
Tgt Ion:152 Resp: 790

Ion Ratio Lower Upper

152 100

150 156.7 122.5 183.7

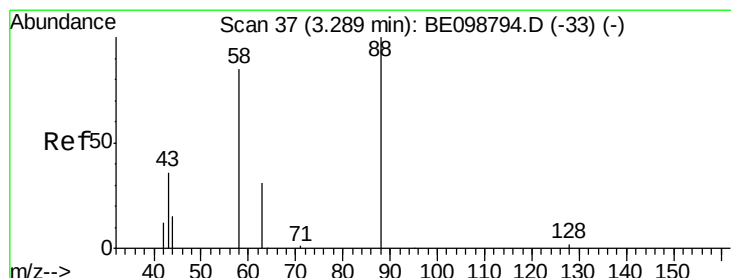
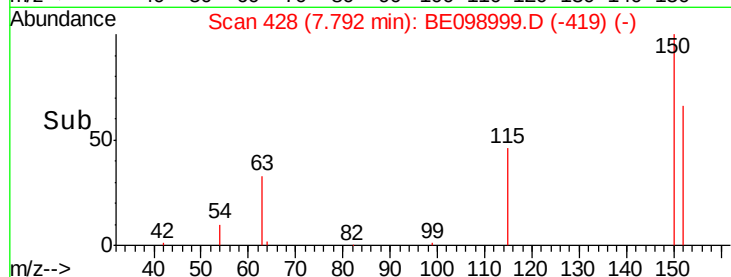
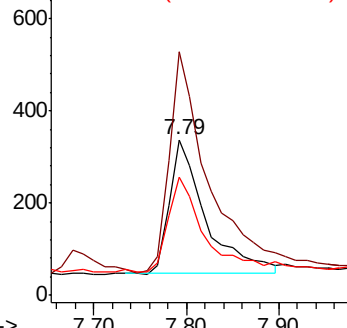
115 76.3 57.4 86.2



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: 0.387 ng

RT: 3.29 min Scan# 37

Delta R.T. 0.00 min

Lab File: BE098999.D

Acq: 18 Mar 2019 14:01

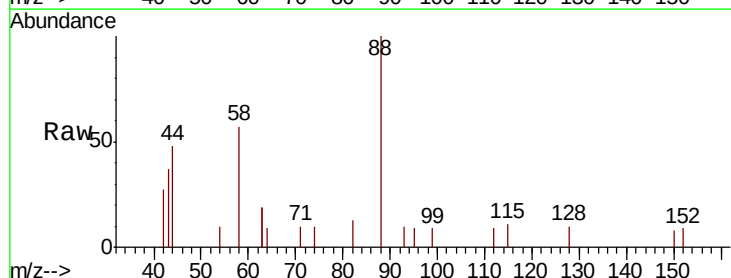
Tgt Ion: 88 Resp: 598

Ion Ratio Lower Upper

88 100

58 98.2 75.8 113.6

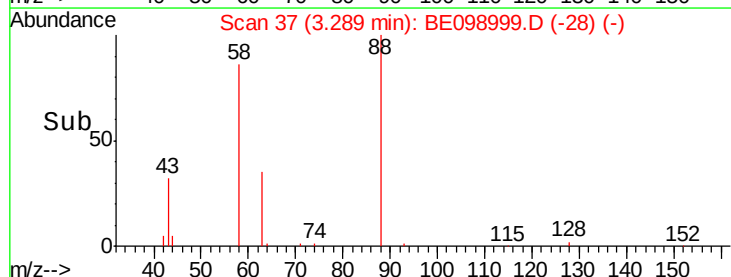
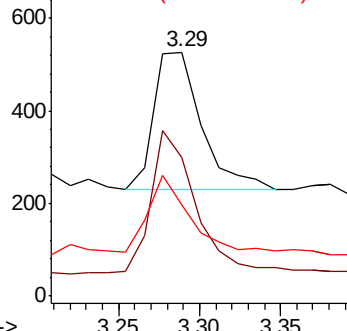
43 49.2 41.8 62.8

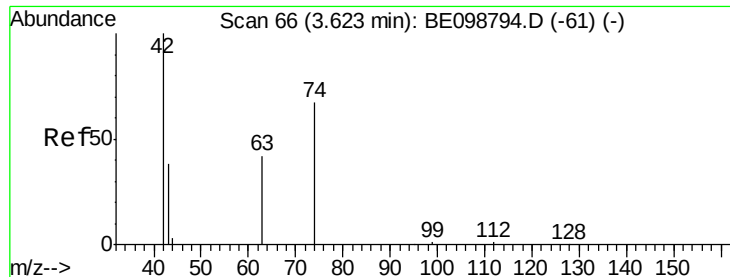


Abundance Ion 88.00 (87.70 to 88.70): BE0

Ion 58.00 (57.70 to 58.70): BE0

Ion 43.00 (42.70 to 43.70): BE0



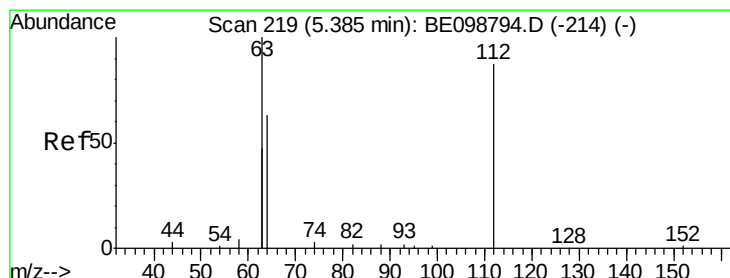
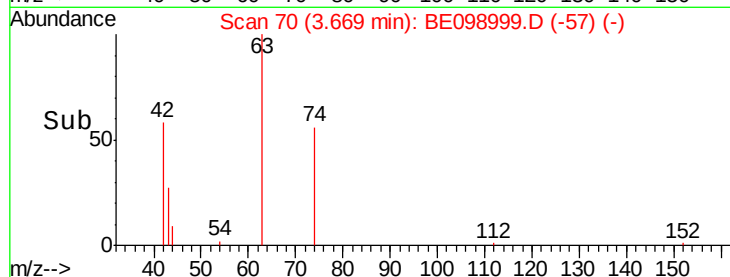
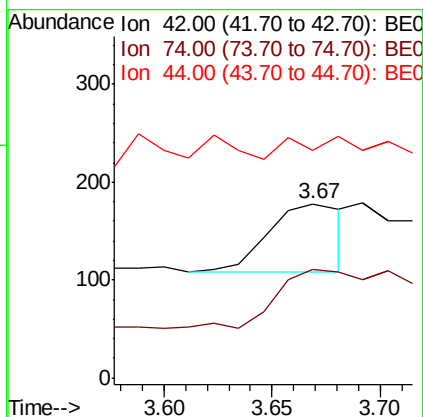
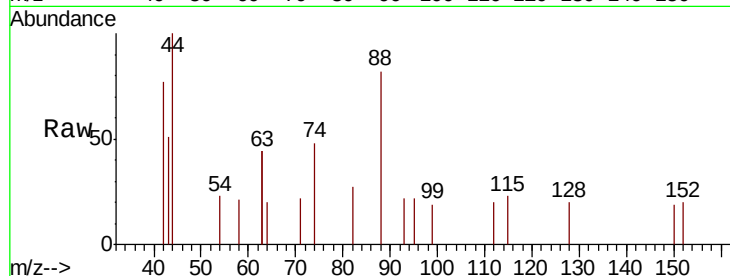


#3

n-Nitrosodimethylamine
 Concen: 0.085 ng
 RT: 3.67 min Scan# 70
 Delta R.T. 0.05 min
 Lab File: BE098999.D
 Acq: 18 Mar 2019 14:01

Instrument :
 BNA_E
 ClientSampleId :
 PB117987BS

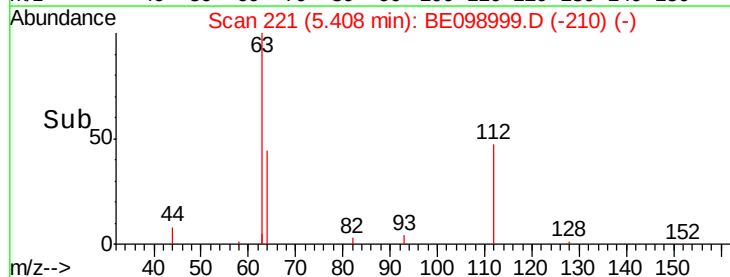
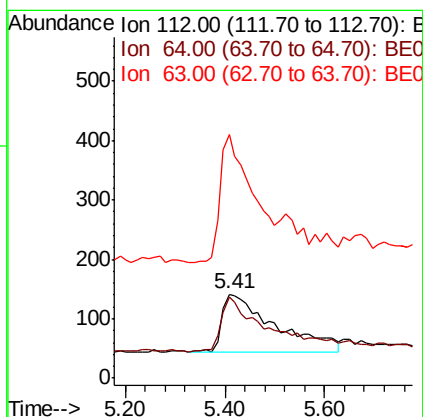
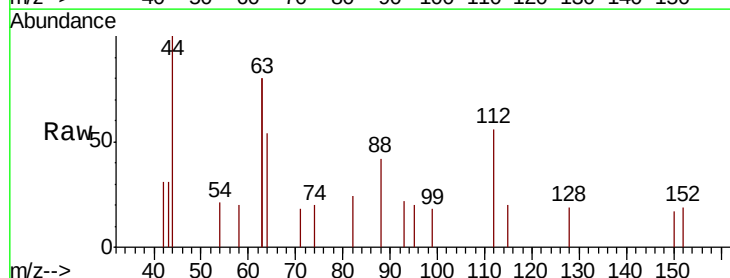
Tgt Ion: 42 Resp: 169
 Ion Ratio Lower Upper
 42 100
 74 77.5 57.0 85.4
 44 0.0 0.0 0.0

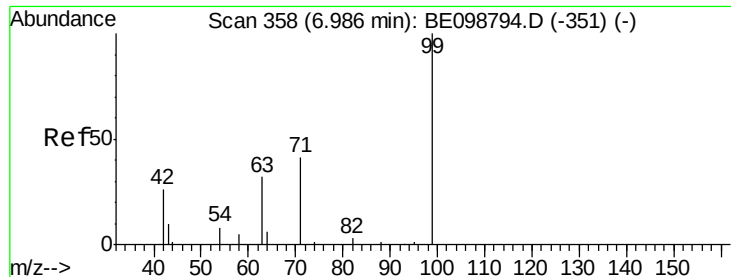


#4

2-Fluorophenol
 Concen: 0.299 ng
 RT: 5.41 min Scan# 221
 Delta R.T. 0.02 min
 Lab File: BE098999.D
 Acq: 18 Mar 2019 14:01

Tgt Ion: 112 Resp: 706
 Ion Ratio Lower Upper
 112 100
 64 86.8 57.9 86.9
 63 140.2 158.3 237.5#





#5

Phenol-d6

Concen: 0.352 ng

RT: 7.01 min Scan# 360

Delta R.T. 0.02 min

Lab File: BE098999.D

Acq: 18 Mar 2019 14:01

Instrument :

BNA_E

ClientSampleId :

PB117987BS

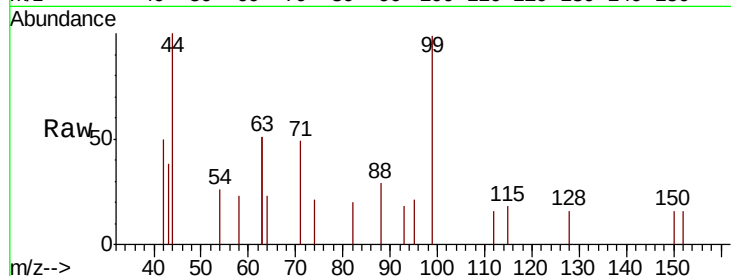
Tgt Ion: 99 Resp: 1175

Ion Ratio Lower Upper

99 100

42 31.9 24.2 36.2

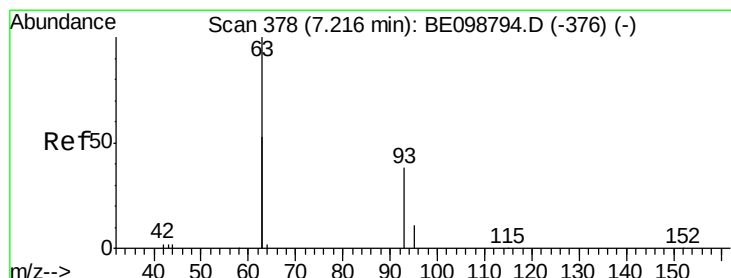
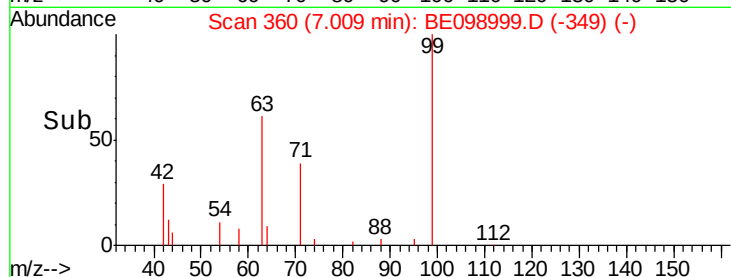
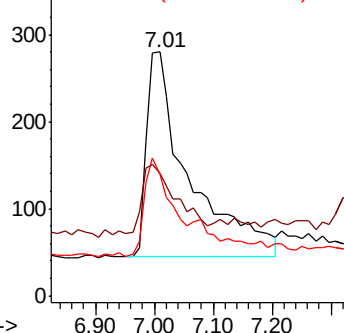
71 48.7 35.7 53.5



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: 0.299 ng

RT: 7.24 min Scan# 380

Delta R.T. 0.02 min

Lab File: BE098999.D

Acq: 18 Mar 2019 14:01

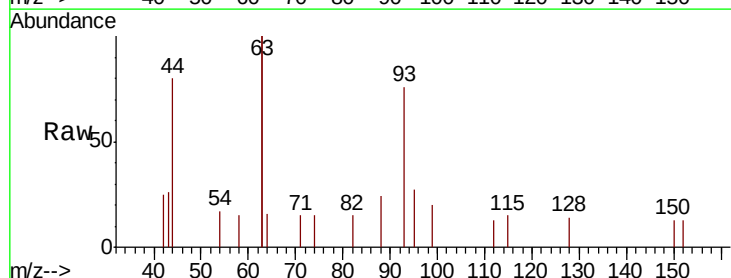
Tgt Ion: 93 Resp: 770

Ion Ratio Lower Upper

93 100

63 280.5 247.5 371.3

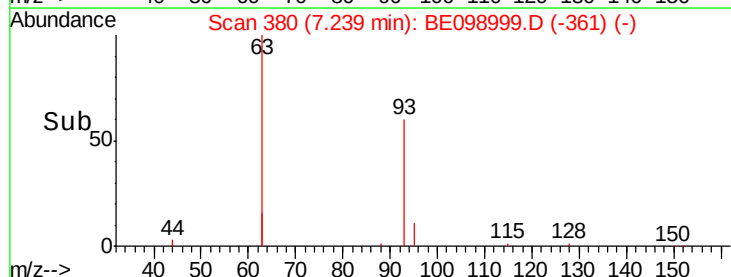
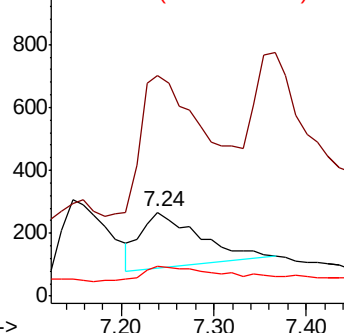
95 35.8 21.8 32.8#

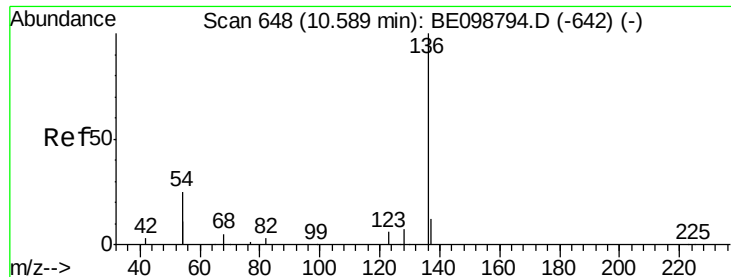


Abundance Ion 93.00 (92.70 to 93.70): BE0

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: 10.59 min Scan# 648

Delta R.T. 0.00 min

Lab File: BE098999.D

Acq: 18 Mar 2019 14:01

Instrument :

BNA_E

ClientSampleId :

PB117987BS

Tgt Ion: 136 Resp: 3715

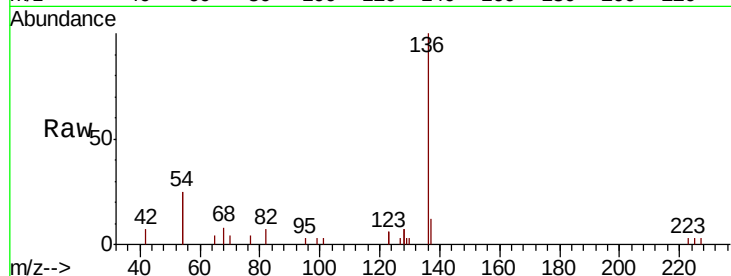
Ion Ratio Lower Upper

136 100

137 12.4 11.4 17.0

54 49.5 39.3 58.9

68 8.0 6.7 10.1

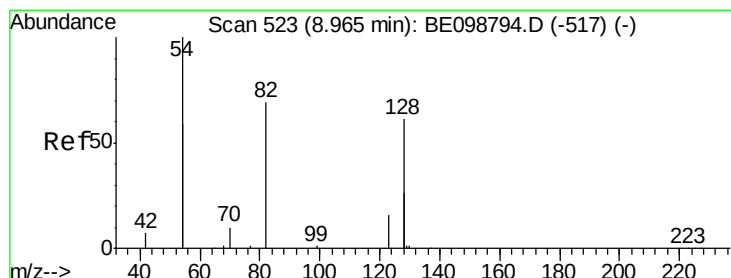
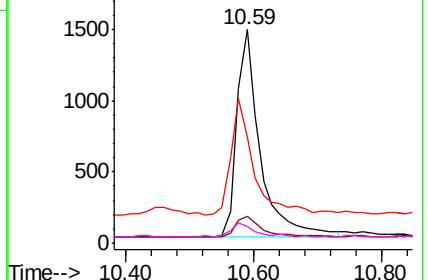
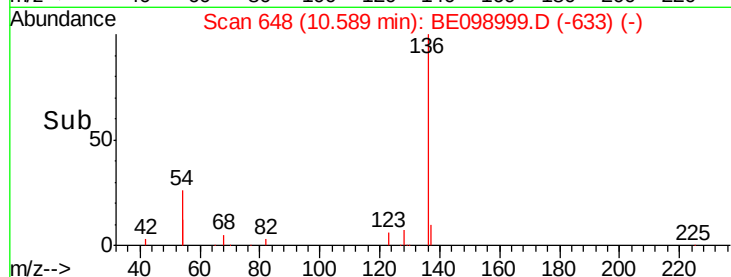


Abundance Ion 136.00 (135.70 to 136.70): E

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: 0.447 ng

RT: 8.98 min Scan# 524

Delta R.T. 0.01 min

Lab File: BE098999.D

Acq: 18 Mar 2019 14:01

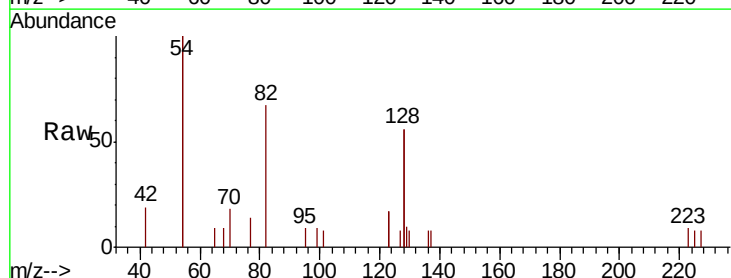
Tgt Ion: 82 Resp: 1741

Ion Ratio Lower Upper

82 100

128 167.8 123.8 185.8

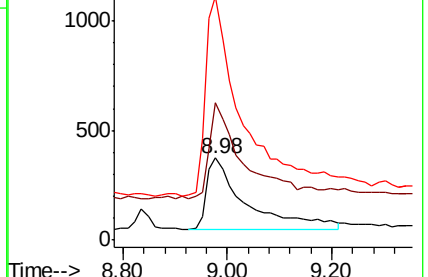
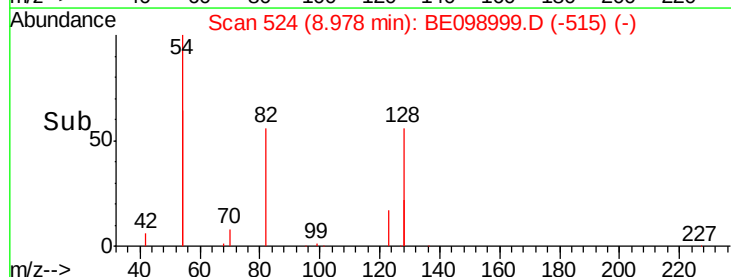
54 297.6 203.4 305.2

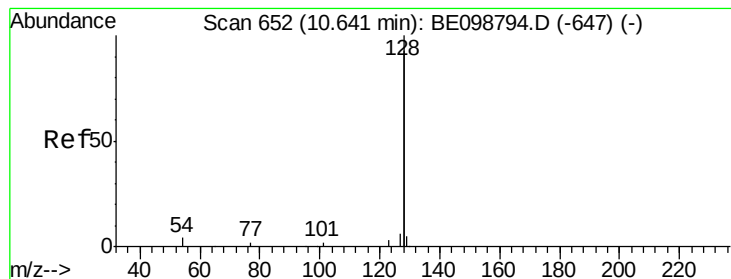


Abundance Ion 82.00 (81.70 to 82.70): BE0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BE0





#9

Naphthalene

Concen: 0.406 ng

RT: 10.64 min Scan# 652

Delta R.T. 0.00 min

Lab File: BE098999.D

Acq: 18 Mar 2019 14:01

Instrument :

BNA_E

ClientSampleId :

PB117987BS

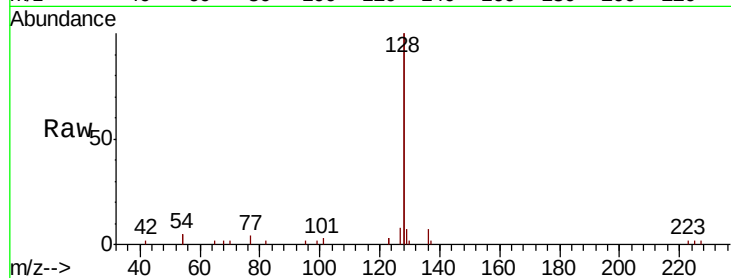
Tgt Ion:128 Resp: 17263

Ion Ratio Lower Upper

128 100

129 3.5 2.6 4.0

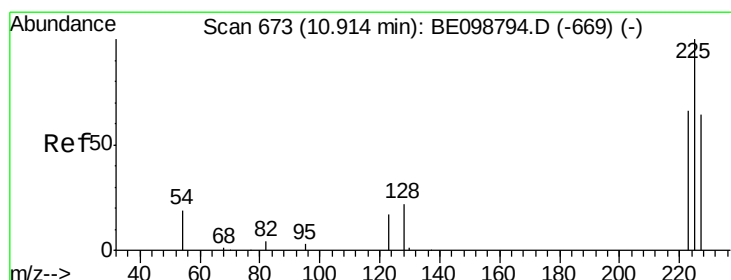
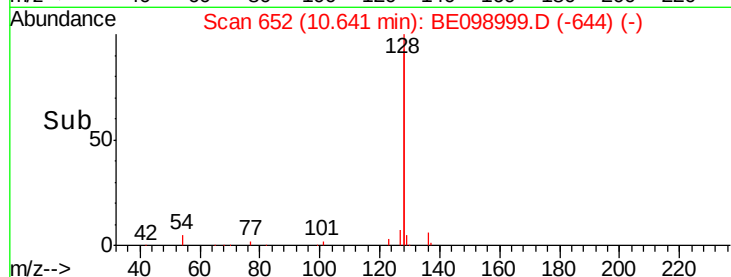
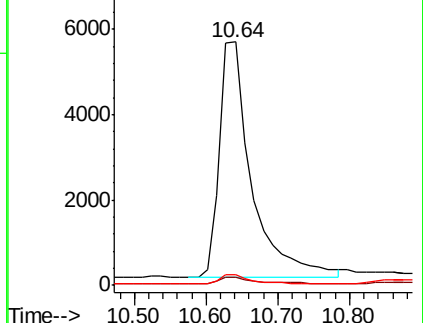
127 4.2 3.1 4.7



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: 0.389 ng

RT: 10.90 min Scan# 672

Delta R.T. -0.01 min

Lab File: BE098999.D

Acq: 18 Mar 2019 14:01

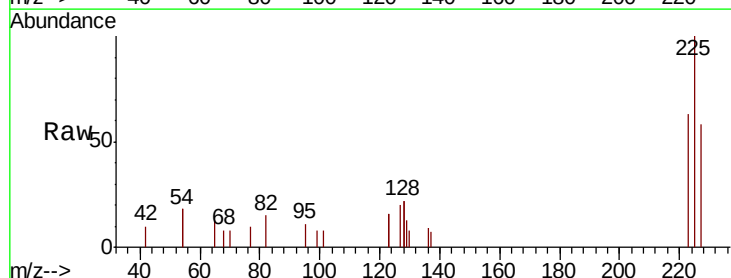
Tgt Ion:225 Resp: 1094

Ion Ratio Lower Upper

225 100

223 63.2 51.1 76.7

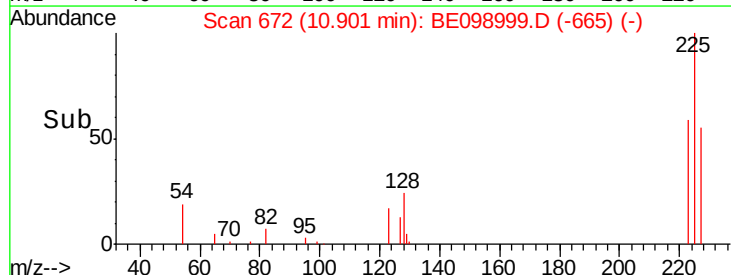
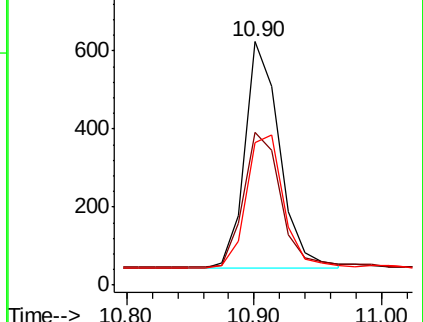
227 62.1 51.6 77.4

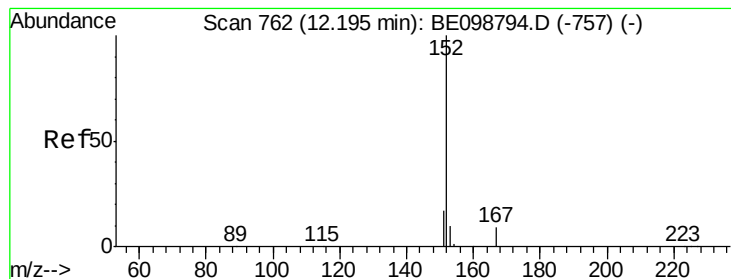


Abundance Ion 225.00 (224.70 to 225.70): E

Ion 223.00 (222.70 to 223.70): E

Ion 227.00 (226.70 to 227.70): E





#11

2-Methylnaphthalene-d10

Concen: 0.400 ng

RT: 12.20 min Scan# 762

Delta R.T. 0.00 min

Lab File: BE098999.D

Acq: 18 Mar 2019 14:01

Instrument :

BNA_E

ClientSampleId :

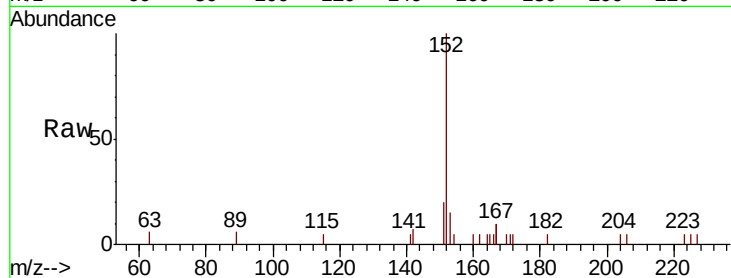
PB117987BS

Tgt Ion:152 Resp: 2744

Ion Ratio Lower Upper

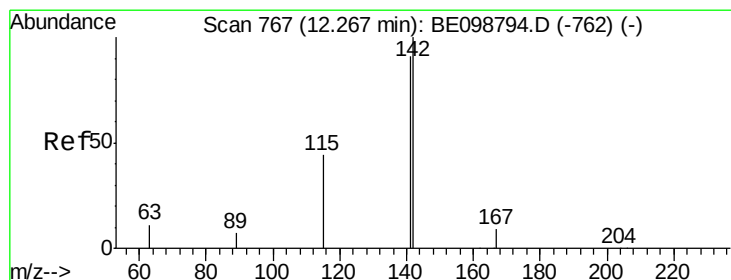
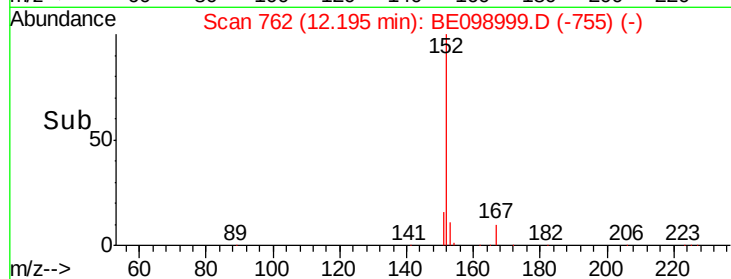
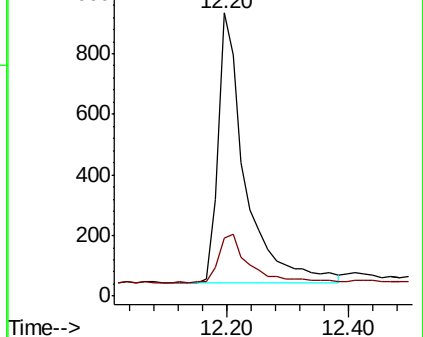
152 100

151 20.8 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: 0.378 ng

RT: 12.27 min Scan# 767

Delta R.T. 0.00 min

Lab File: BE098999.D

Acq: 18 Mar 2019 14:01

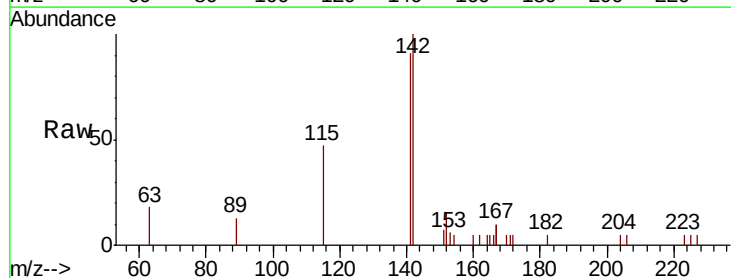
Tgt Ion:142 Resp: 2609

Ion Ratio Lower Upper

142 100

141 90.8 72.6 108.8

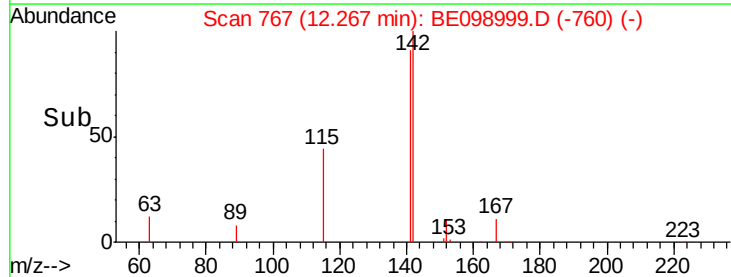
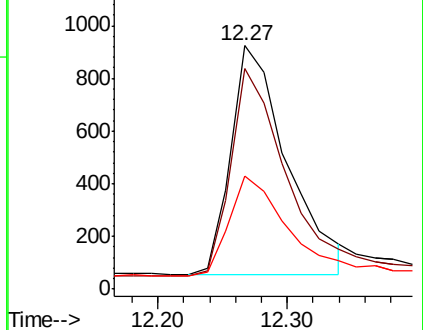
115 46.6 37.4 56.2

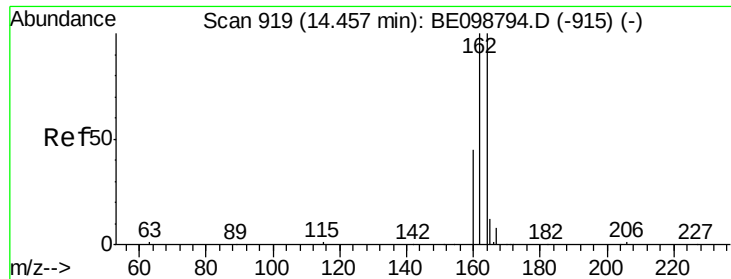


Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 115.00 (114.70 to 115.70): E

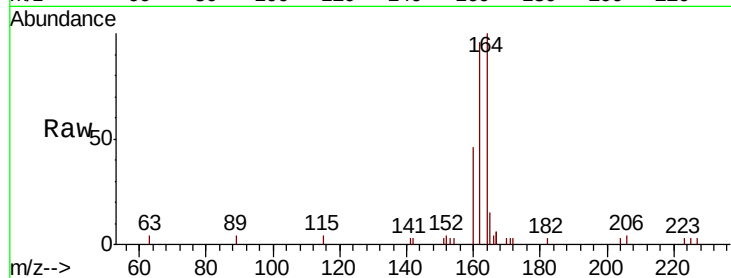




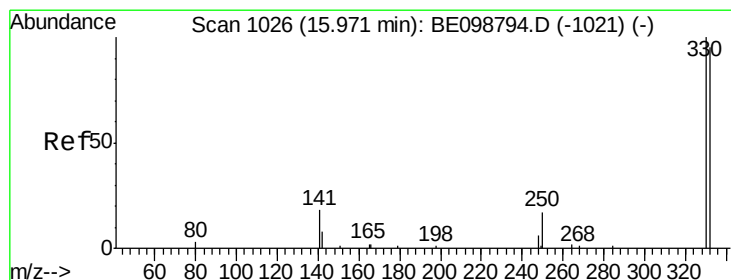
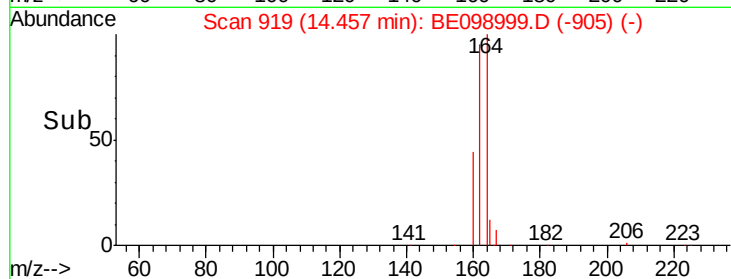
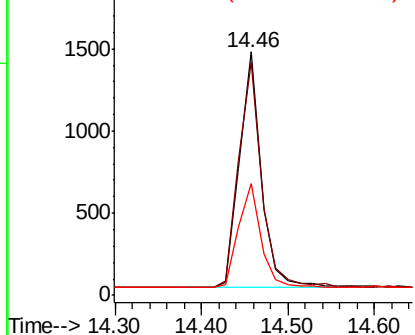
#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.46 min Scan# 919
Delta R.T. 0.00 min
Lab File: BE098999.D
Acq: 18 Mar 2019 14:01

Instrument :
BNA_E
ClientSampleId :
PB117987BS

Tgt Ion:164 Resp: 2510
Ion Ratio Lower Upper
164 100
162 95.8 80.2 120.2
160 46.1 37.8 56.8

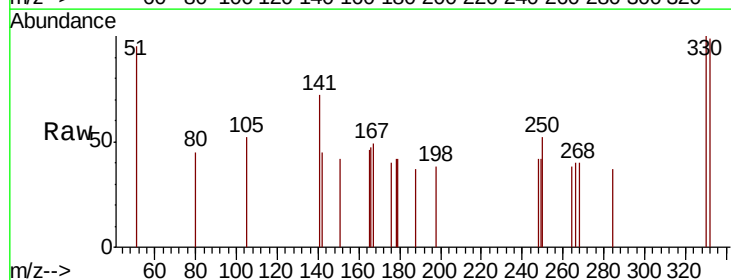


Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

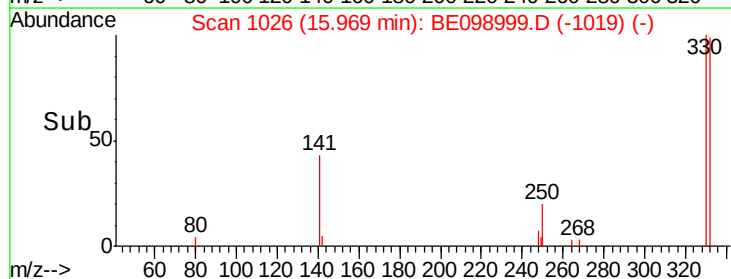
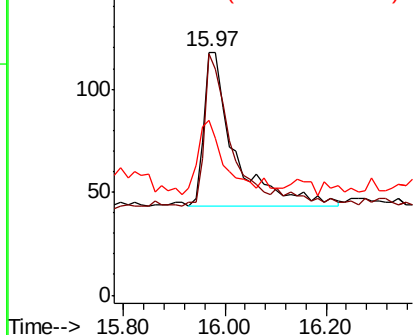


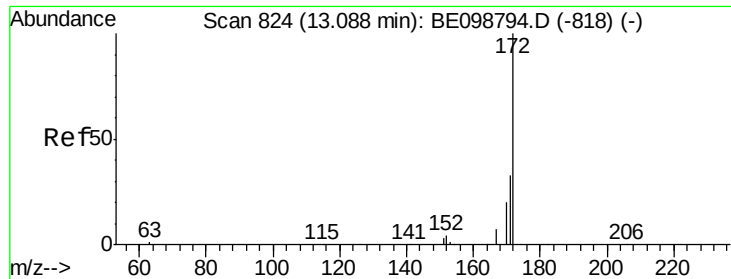
#14
2,4,6-Tribromophenol
Concen: 0.253 ng
RT: 15.97 min Scan# 1026
Delta R.T. -0.00 min
Lab File: BE098999.D
Acq: 18 Mar 2019 14:01

Tgt Ion:330 Resp: 321
Ion Ratio Lower Upper
330 100
332 81.0 77.6 116.4
141 40.5 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

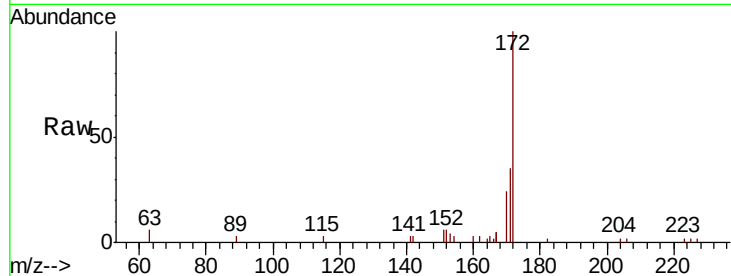




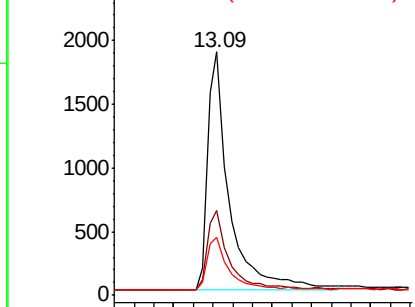
#15
2-Fluorobiphenyl
Concen: 0.545 ng
RT: 13.09 min Scan# 824
Delta R.T. 0.00 min
Lab File: BE098999.D
Acq: 18 Mar 2019 14:01

Instrument :
BNA_E
ClientSampleId :
PB117987BS

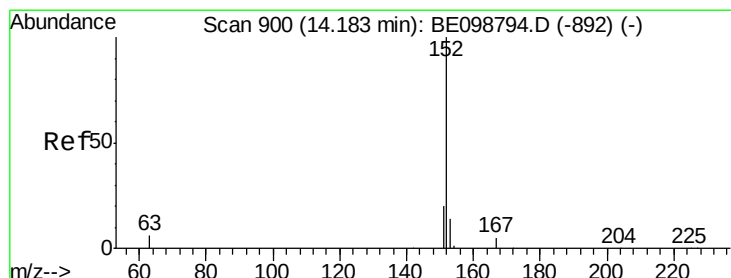
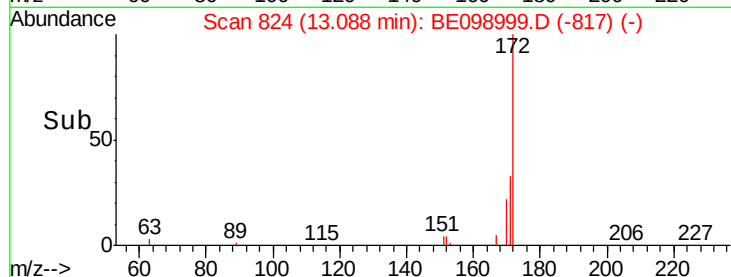
Tgt Ion:172 Resp: 5662
Ion Ratio Lower Upper
172 100
171 34.8 28.0 42.0
170 24.0 17.7 26.5



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

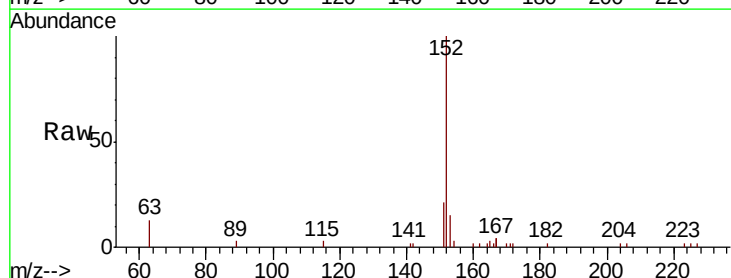


Time-->

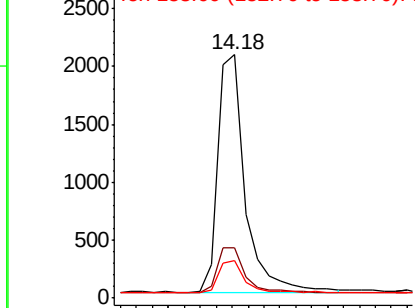


#16
Acenaphthylene
Concen: 0.379 ng
RT: 14.18 min Scan# 900
Delta R.T. 0.00 min
Lab File: BE098999.D
Acq: 18 Mar 2019 14:01

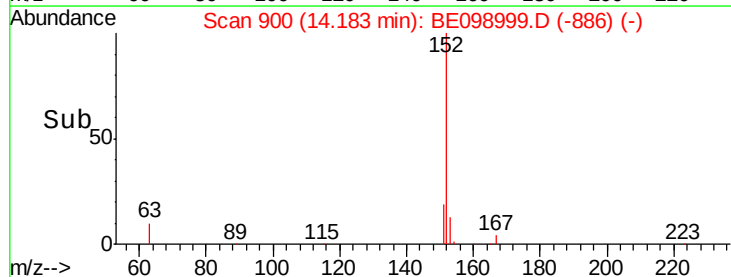
Tgt Ion:152 Resp: 4888
Ion Ratio Lower Upper
152 100
151 19.8 17.0 25.6
153 13.1 11.2 16.8

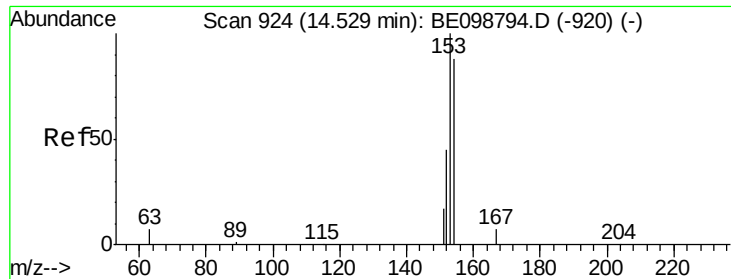


Abundance Ion 152.00 (151.70 to 152.70): E
Ion 151.00 (150.70 to 151.70): E
Ion 153.00 (152.70 to 153.70): E



Time-->

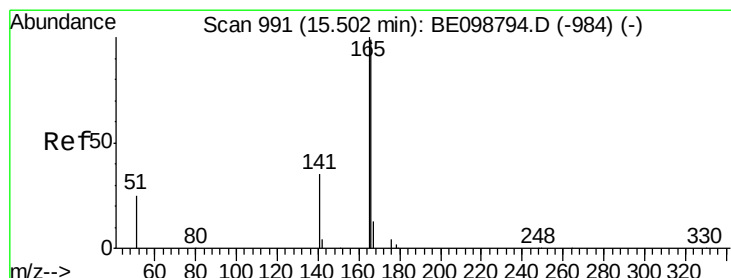
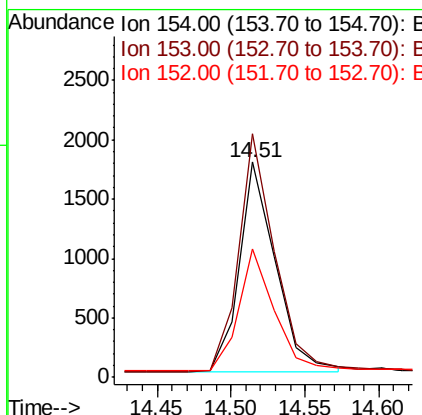
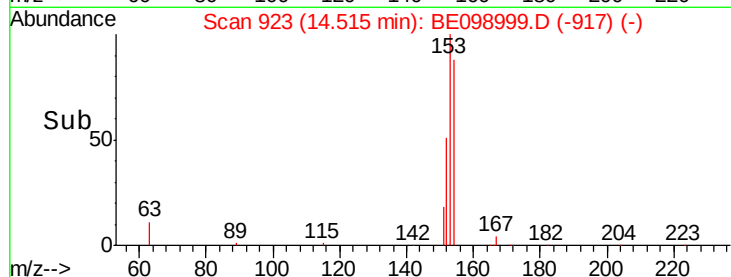
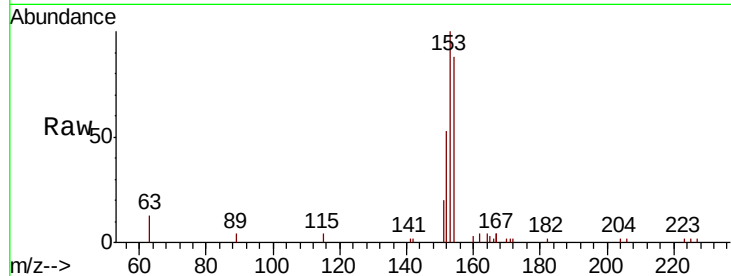




#17
Acenaphthene
Concen: 0.394 ng
RT: 14.51 min Scan# 923
Delta R.T. -0.01 min
Lab File: BE098999.D
Acq: 18 Mar 2019 14:01

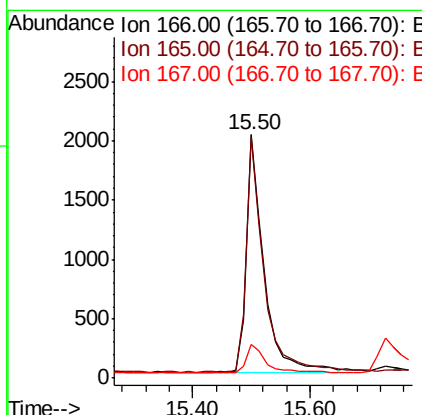
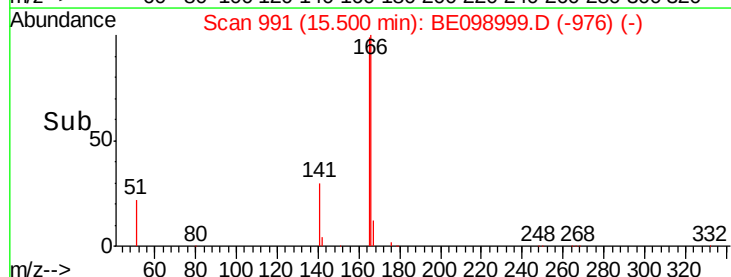
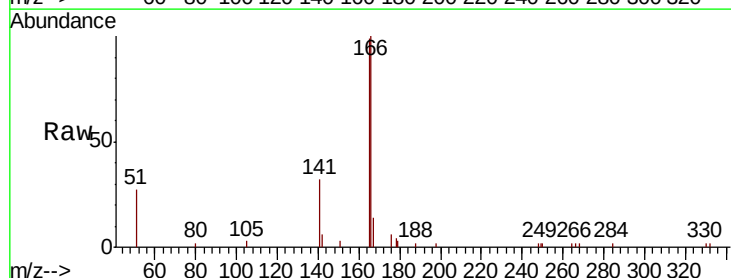
Instrument :
BNA_E
ClientSampleId :
PB117987BS

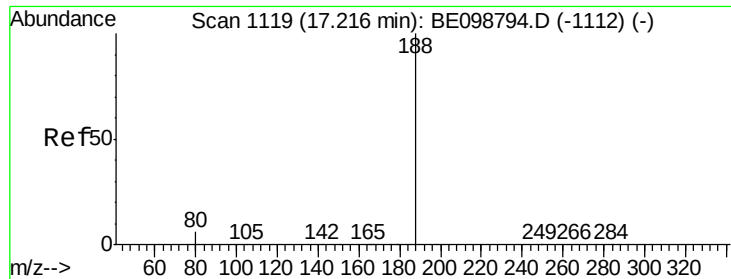
Tgt Ion:154 Resp: 3021
Ion Ratio Lower Upper
154 100
153 112.3 94.2 141.4
152 57.5 45.0 67.4



#18
Fluorene
Concen: 0.374 ng
RT: 15.50 min Scan# 991
Delta R.T. -0.00 min
Lab File: BE098999.D
Acq: 18 Mar 2019 14:01

Tgt Ion:166 Resp: 4125
Ion Ratio Lower Upper
166 100
165 99.0 79.3 118.9
167 13.0 10.5 15.7





#19

Phenanthrene-d10

Concen: 0.400 ng

RT: 17.21 min Scan# 1119

Delta R.T. -0.00 min

Lab File: BE098999.D

Acq: 18 Mar 2019 14:01

Instrument :

BNA_E

ClientSampleId :

PB117987BS

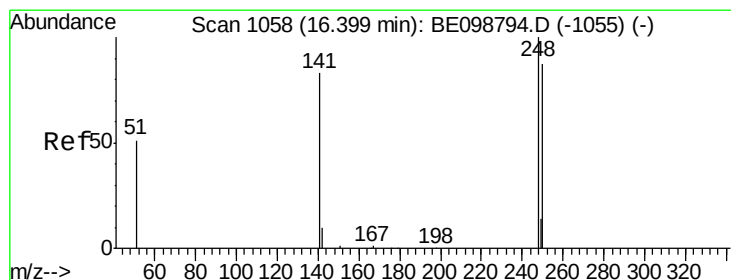
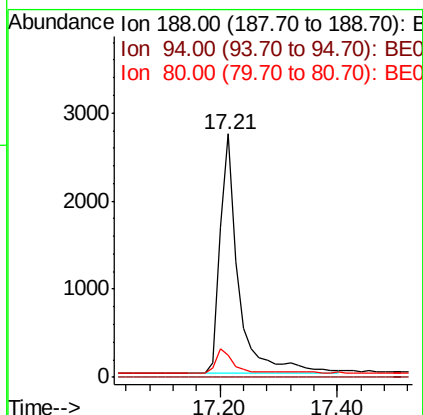
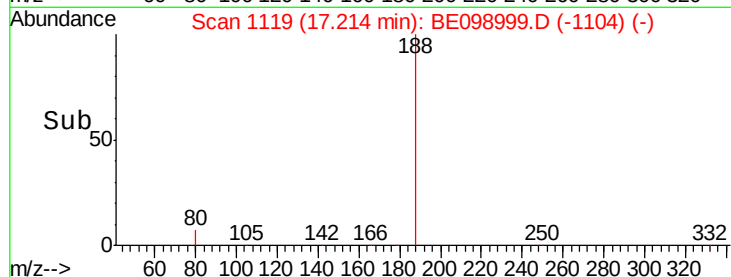
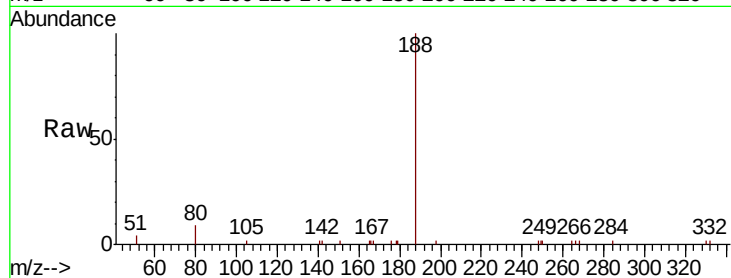
Tgt Ion:188 Resp: 6051

Ion Ratio Lower Upper

188 100

94 0.0 0.0 0.0

80 9.1 6.3 9.5



#20

4-Bromophenyl-phenylether

Concen: 0.427 ng

RT: 16.41 min Scan# 1059

Delta R.T. 0.01 min

Lab File: BE098999.D

Acq: 18 Mar 2019 14:01

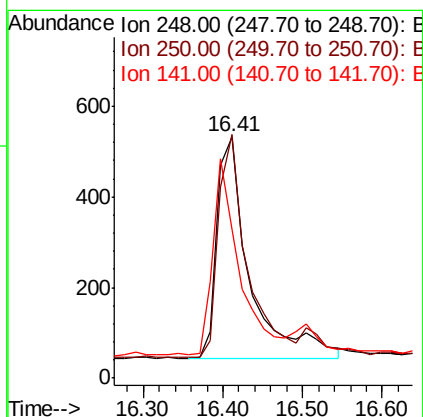
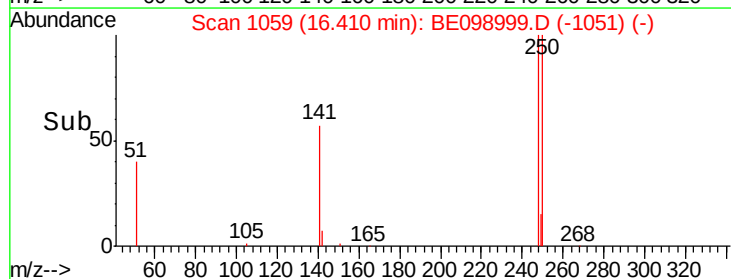
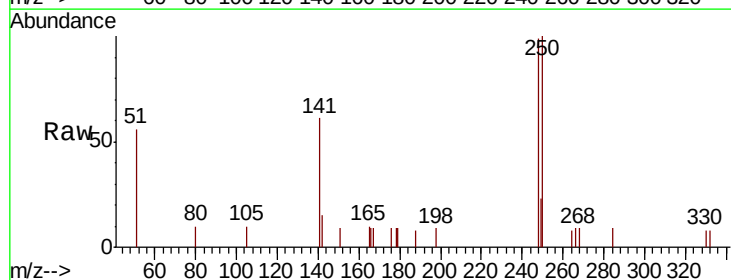
Tgt Ion:248 Resp: 1399

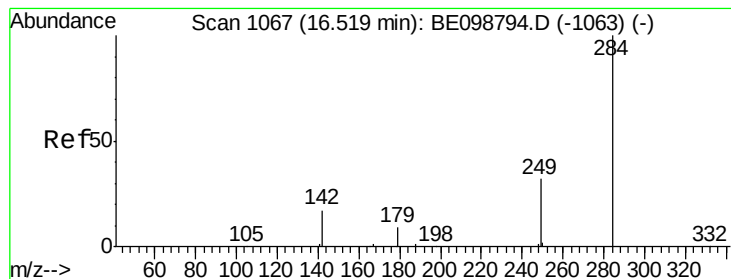
Ion Ratio Lower Upper

248 100

250 100.9 70.6 105.8

141 61.7 68.6 102.8#





#21

Hexachlorobenzene

Concen: 0.399 ng

RT: 16.52 min Scan# 1067

Delta R.T. -0.00 min

Lab File: BE098999.D

Acq: 18 Mar 2019 14:01

Instrument :

BNA_E

ClientSampleId :

PB117987BS

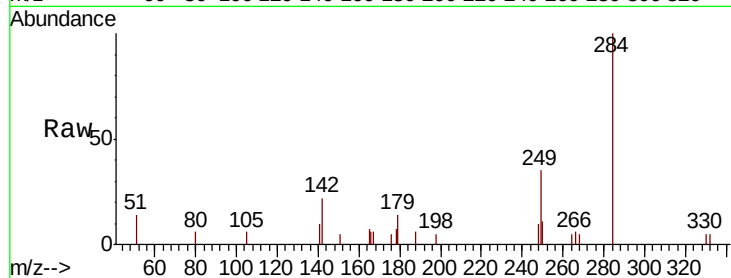
Tgt Ion:284 Resp: 1555

Ion Ratio Lower Upper

284 100

142 36.1 28.7 43.1

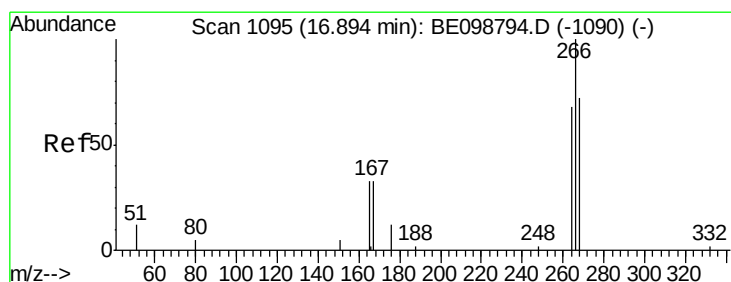
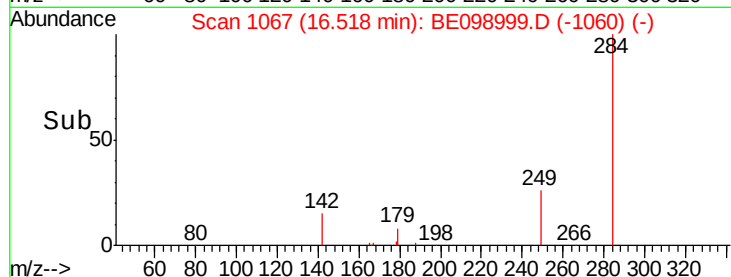
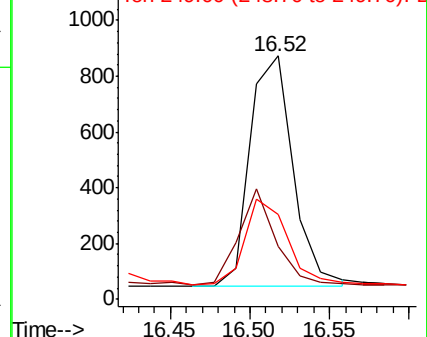
249 36.6 29.6 44.4



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: 0.300 ng

RT: 16.92 min Scan# 1097

Delta R.T. 0.03 min

Lab File: BE098999.D

Acq: 18 Mar 2019 14:01

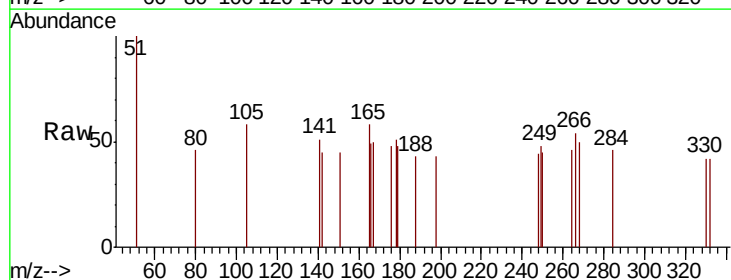
Tgt Ion:266 Resp: 47

Ion Ratio Lower Upper

266 100

264 84.2 66.6 100.0

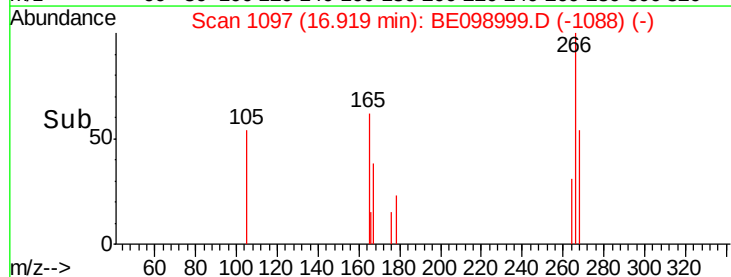
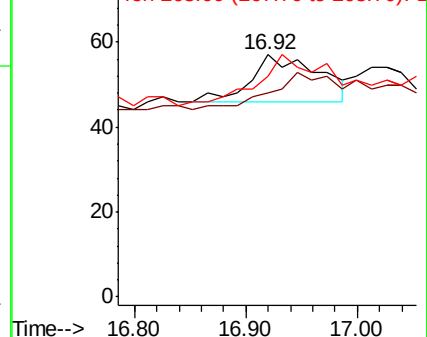
268 91.2 69.8 104.8

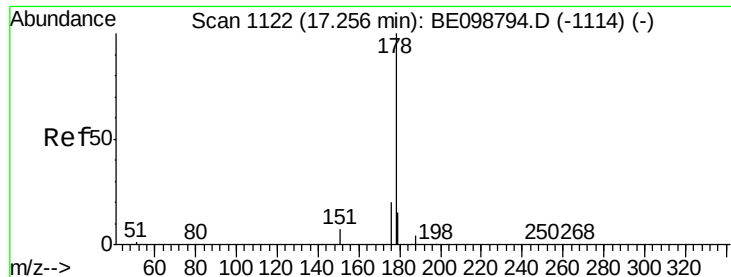


Abundance Ion 266.00 (265.70 to 266.70): E

Ion 264.00 (263.70 to 264.70): E

Ion 268.00 (267.70 to 268.70): E





#23

Phenanthrene

Concen: 0.380 ng

RT: 17.25 min Scan# 1122

Delta R.T. -0.00 min

Lab File: BE098999.D

Acq: 18 Mar 2019 14:01

Instrument :

BNA_E

ClientSampleId :

PB117987BS

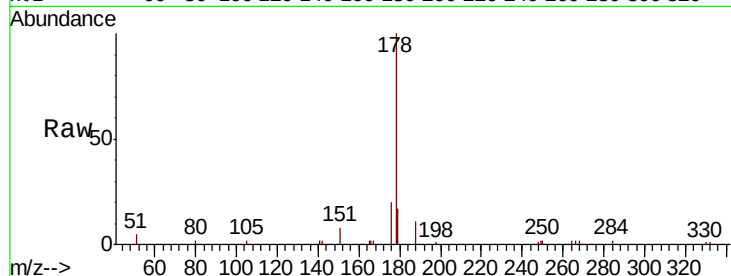
Tgt Ion:178 Resp: 6531

Ion Ratio Lower Upper

178 100

176 19.7 16.0 24.0

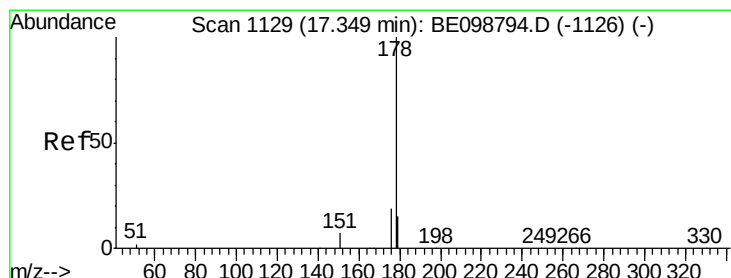
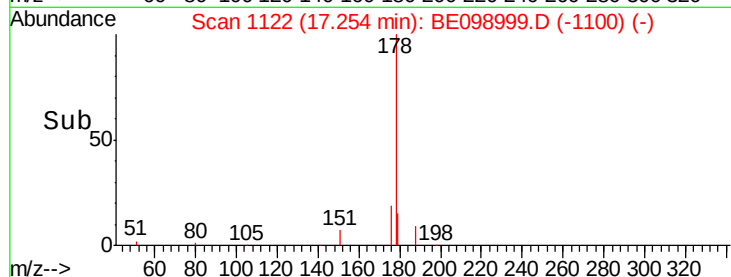
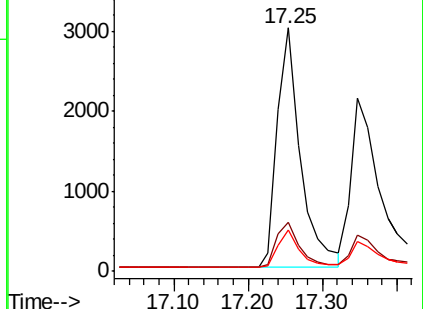
179 15.1 12.1 18.1



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: 0.318 ng

RT: 17.35 min Scan# 1129

Delta R.T. -0.00 min

Lab File: BE098999.D

Acq: 18 Mar 2019 14:01

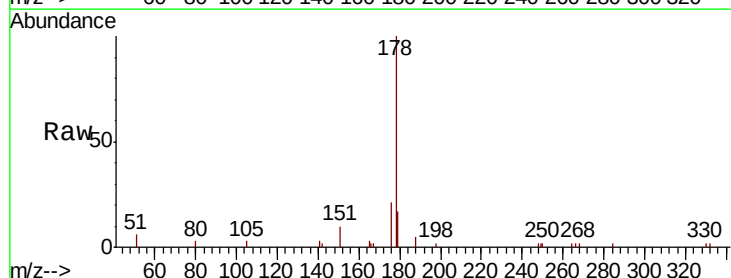
Tgt Ion:178 Resp: 4682

Ion Ratio Lower Upper

178 100

176 19.2 15.4 23.0

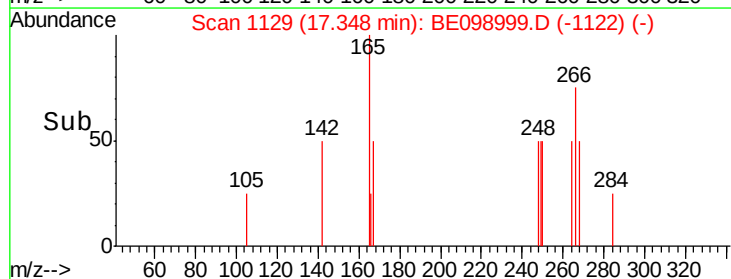
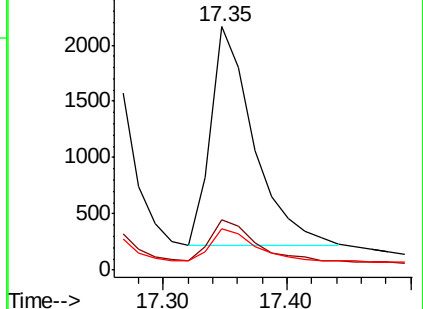
179 14.5 12.2 18.4

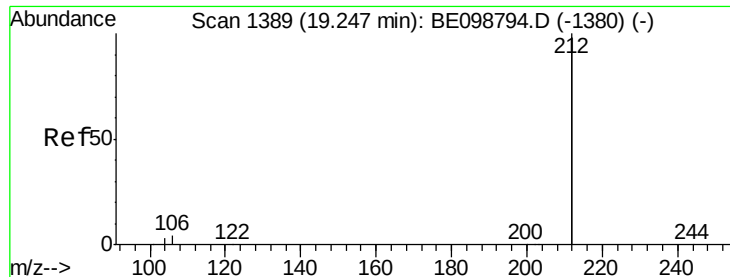


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#25

Fluoranthene-d10

Concen: 0.330 ng

RT: 19.24 min Scan# 1388

Delta R.T. -0.01 min

Lab File: BE098999.D

Acq: 18 Mar 2019 14:01

Instrument :

BNA_E

ClientSampleId :

PB117987BS

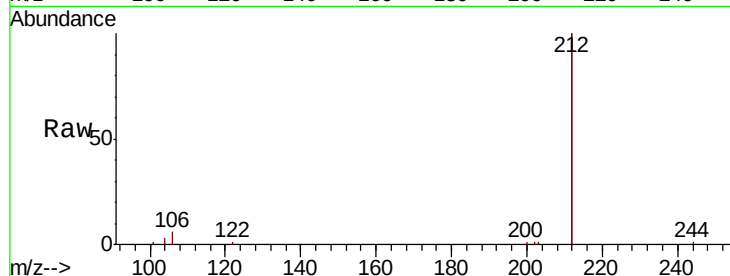
Tgt Ion:212 Resp: 31840

Ion Ratio Lower Upper

212 100

106 2.5 1.8 2.8

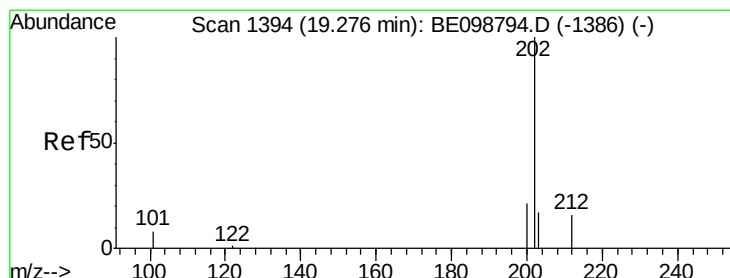
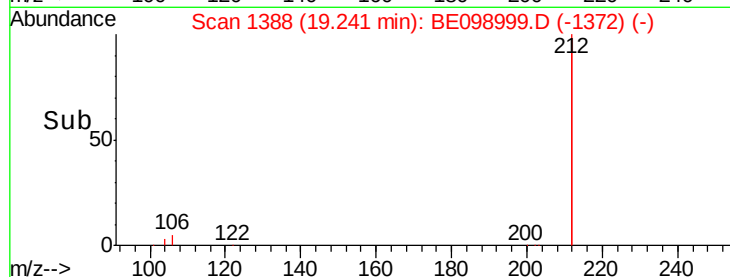
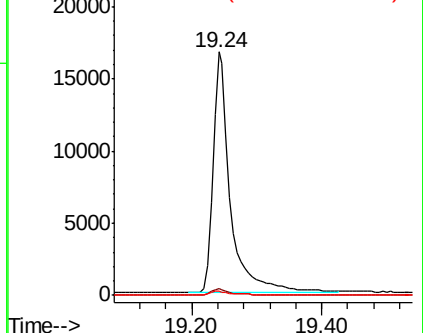
104 1.4 1.0 1.6



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: 0.344 ng

RT: 19.27 min Scan# 1393

Delta R.T. -0.01 min

Lab File: BE098999.D

Acq: 18 Mar 2019 14:01

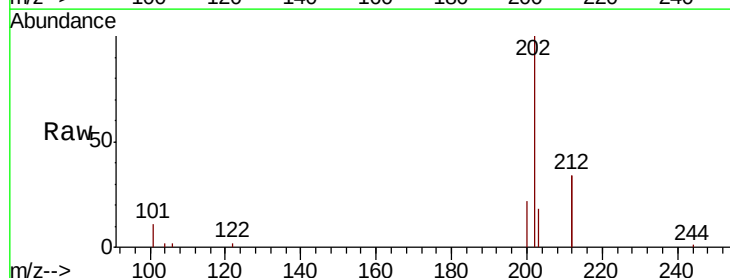
Tgt Ion:202 Resp: 8342

Ion Ratio Lower Upper

202 100

101 9.0 7.3 10.9

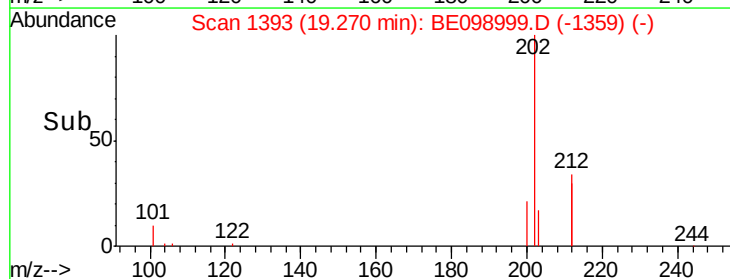
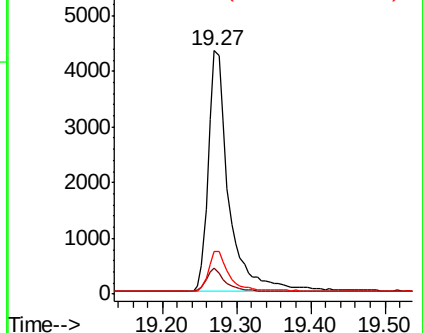
203 16.1 13.4 20.2

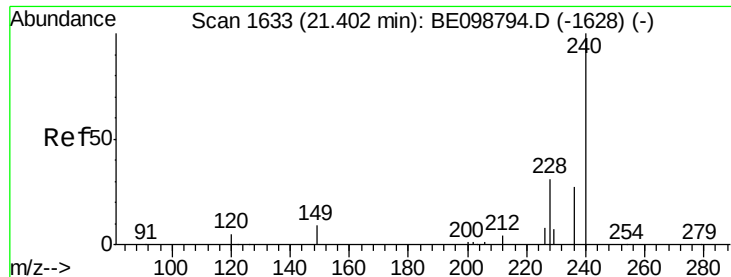


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E

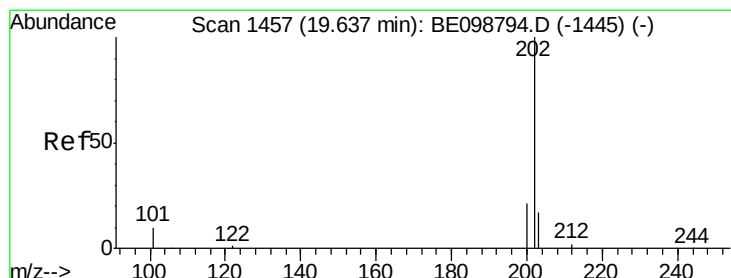
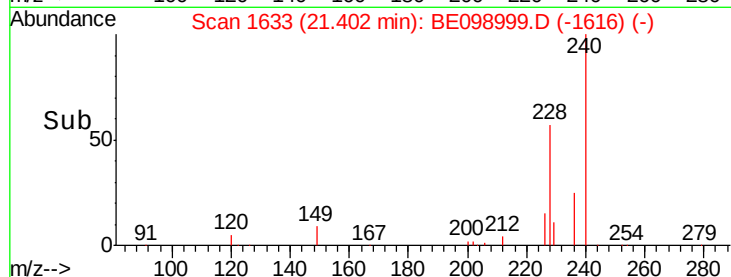
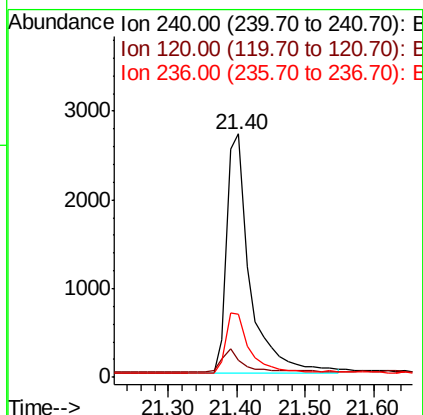
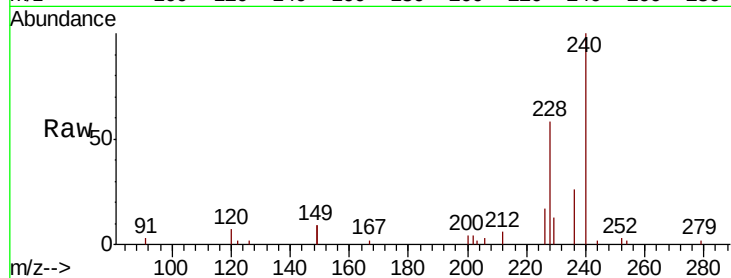




#27
Chrysene-d12
Concen: 0.400 ng
RT: 21.40 min Scan# 1633
Delta R.T. -0.00 min
Lab File: BE098999.D
Acq: 18 Mar 2019 14:01

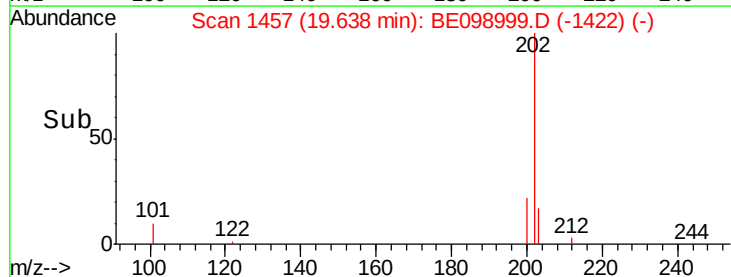
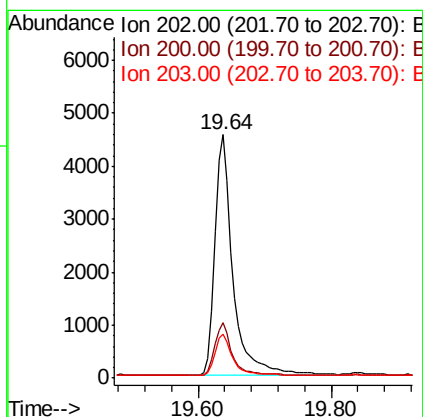
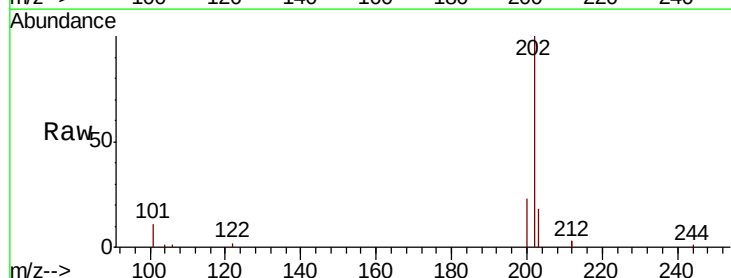
Instrument :
BNA_E
ClientSampleId :
PB117987BS

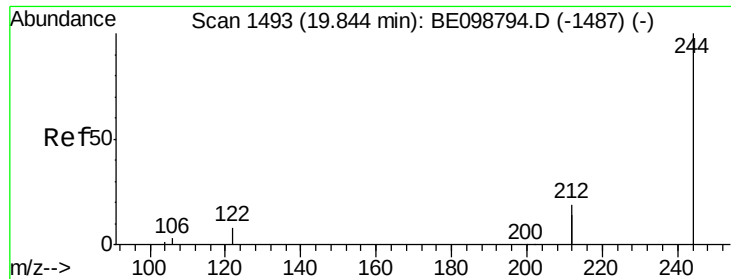
Tgt Ion:240 Resp: 6406
Ion Ratio Lower Upper
240 100
120 7.2 5.0 7.4
236 26.1 22.7 34.1



#28
Pyrene
Concen: 0.435 ng
RT: 19.64 min Scan# 1457
Delta R.T. 0.00 min
Lab File: BE098999.D
Acq: 18 Mar 2019 14:01

Tgt Ion:202 Resp: 8530
Ion Ratio Lower Upper
202 100
200 21.5 17.0 25.6
203 17.4 14.2 21.2





#29

Terphenyl-d14

Concen: 1.217 ng

RT: 19.84 min Scan# 1492

Delta R.T. -0.01 min

Lab File: BE098999.D

Acq: 18 Mar 2019 14:01

Instrument :

BNA_E

ClientSampleId :

PB117987BS

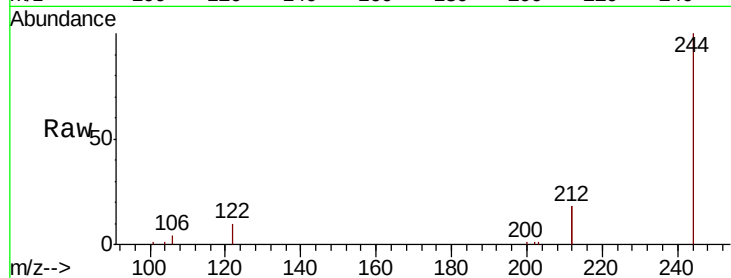
Tgt Ion:244 Resp: 18945

Ion Ratio Lower Upper

244 100

212 35.0 29.4 44.2

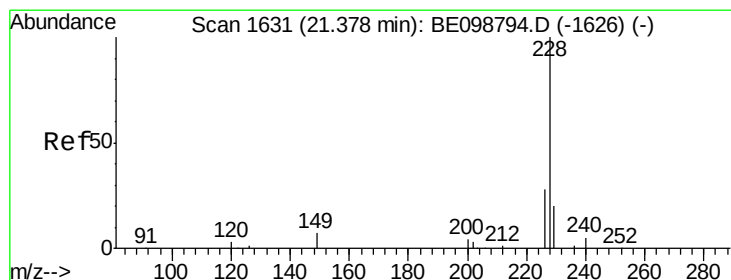
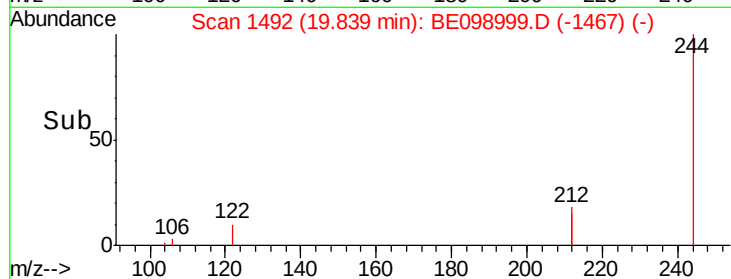
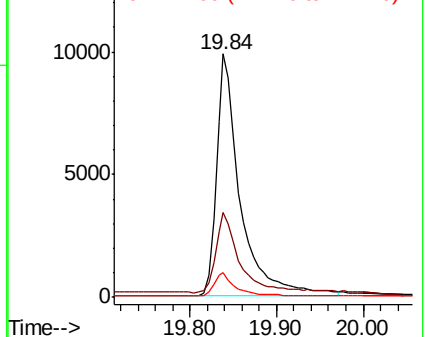
122 10.0 7.1 10.7



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: 0.348 ng

RT: 21.38 min Scan# 1631

Delta R.T. -0.00 min

Lab File: BE098999.D

Acq: 18 Mar 2019 14:01

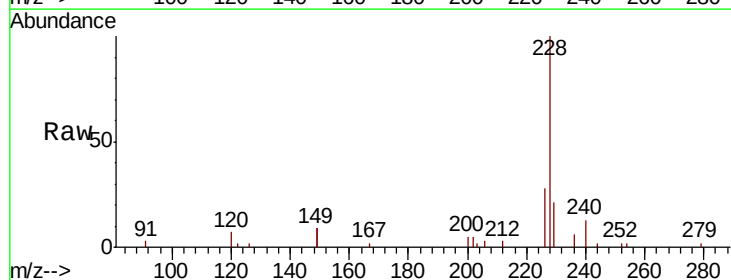
Tgt Ion:228 Resp: 6963

Ion Ratio Lower Upper

228 100

226 28.4 23.0 34.4

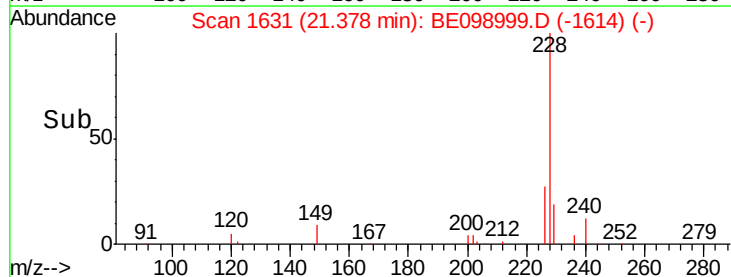
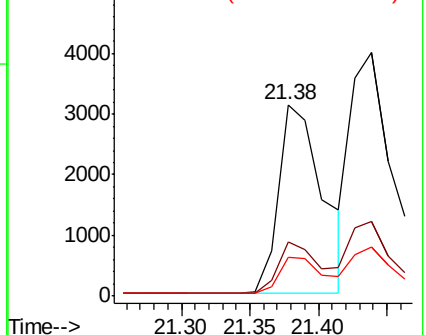
229 20.5 16.5 24.7

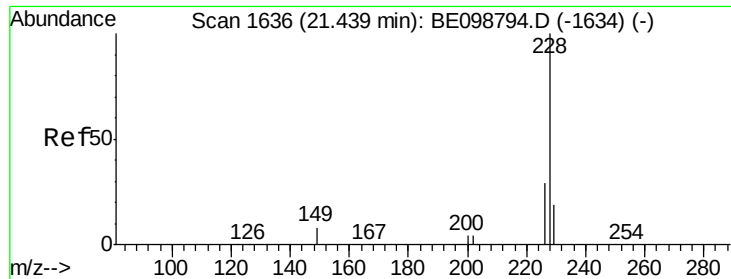


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#31

Chrysene

Concen: 0.388 ng

RT: 21.44 min Scan# 1636

Delta R.T. -0.00 min

Lab File: BE098999.D

Acq: 18 Mar 2019 14:01

Instrument :

BNA_E

ClientSampleId :

PB117987BS

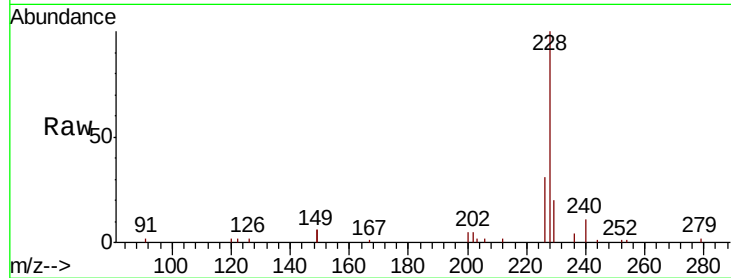
Tgt Ion:228 Resp: 8302

Ion Ratio Lower Upper

228 100

226 30.6 23.7 35.5

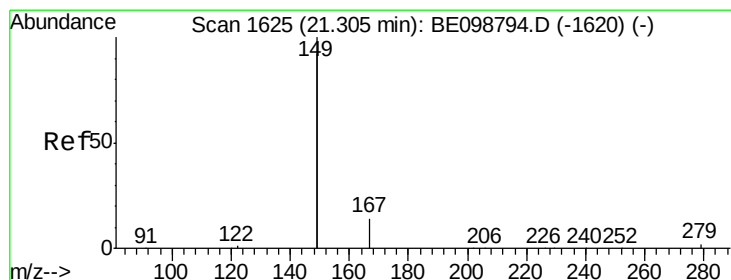
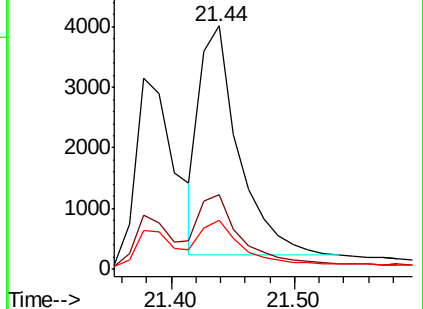
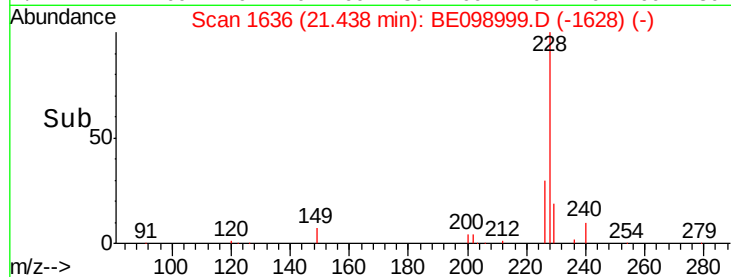
229 20.2 16.1 24.1



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: 0.297 ng

RT: 21.29 min Scan# 1624

Delta R.T. -0.01 min

Lab File: BE098999.D

Acq: 18 Mar 2019 14:01

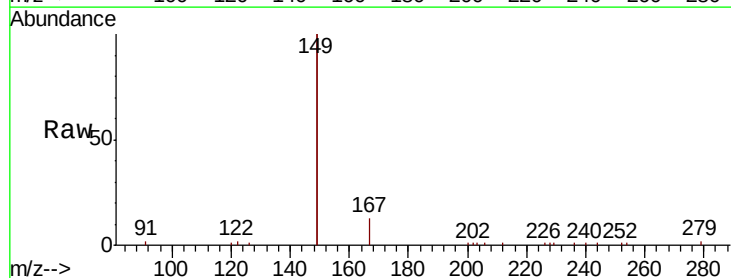
Tgt Ion:149 Resp: 12625

Ion Ratio Lower Upper

149 100

167 6.7 5.4 8.0

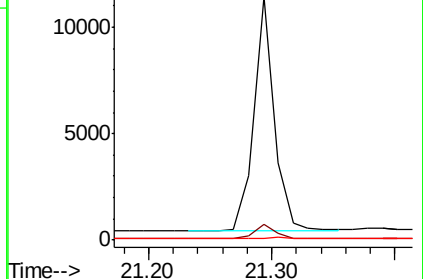
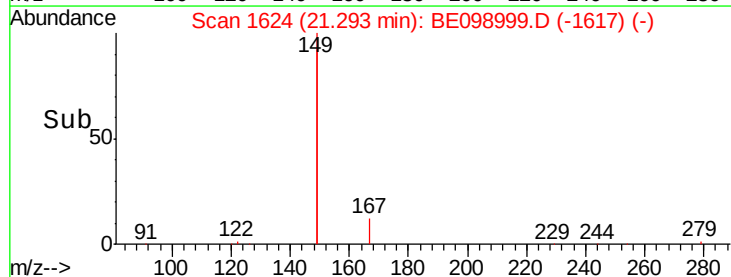
279 1.1 1.0 1.4

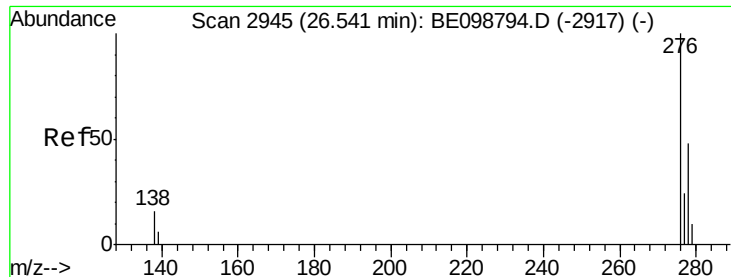


Abundance Ion 149.00 (148.70 to 149.70): E

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: 0.296 ng

RT: 26.55 min Scan# 2948

Delta R.T. 0.01 min

Lab File: BE098999.D

Acq: 18 Mar 2019 14:01

Instrument :

BNA_E

ClientSampleId :

PB117987BS

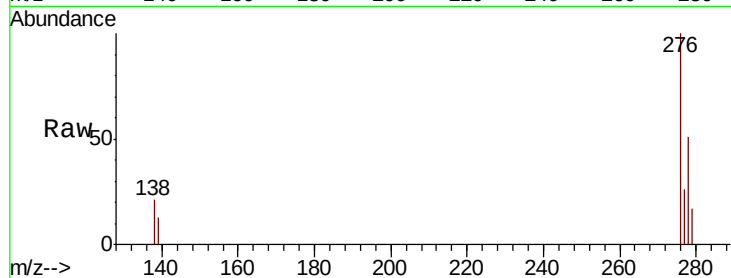
Tgt Ion:276 Resp: 6693

Ion Ratio Lower Upper

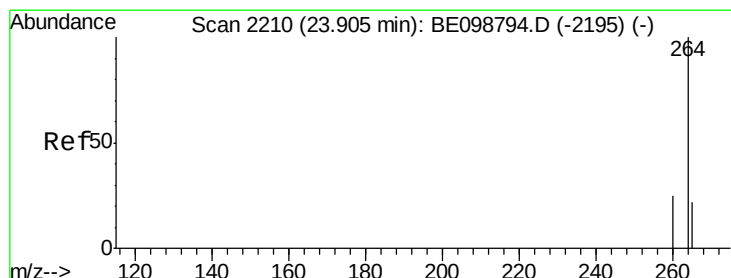
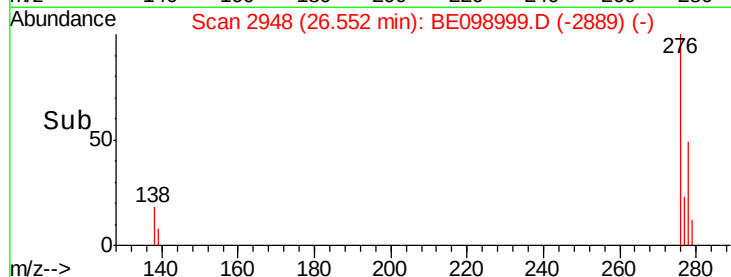
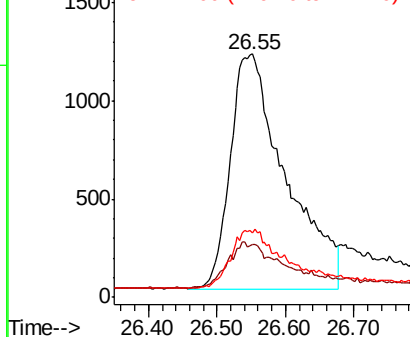
276 100

138 7.8 13.8 20.8#

277 9.6 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: 23.90 min Scan# 2207

Delta R.T. -0.01 min

Lab File: BE098999.D

Acq: 18 Mar 2019 14:01

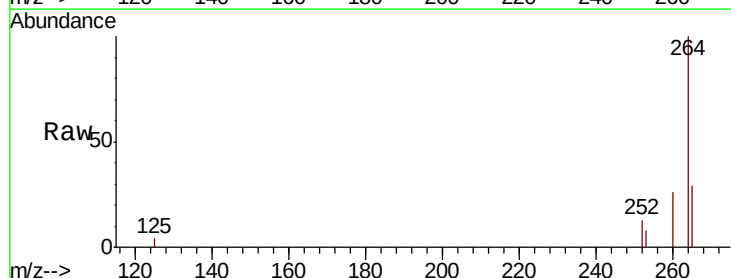
Tgt Ion:264 Resp: 6193

Ion Ratio Lower Upper

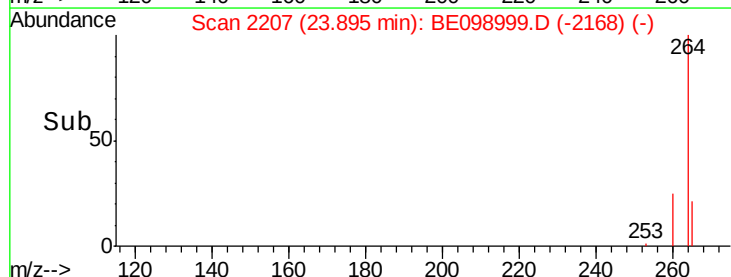
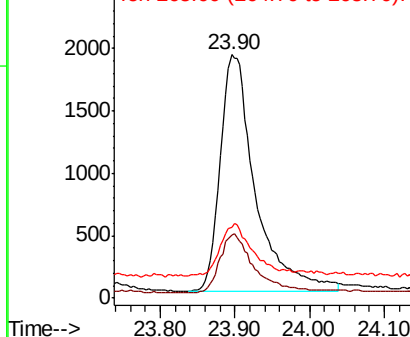
264 100

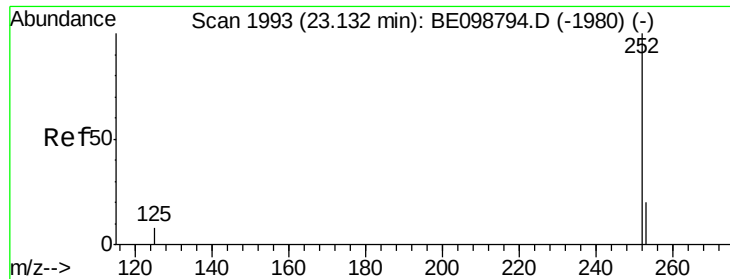
260 26.1 21.2 31.8

265 29.2 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: 0.413 ng

RT: 23.18 min Scan# 2007

Delta R.T. 0.05 min

Lab File: BE098999.D

Acq: 18 Mar 2019 14:01

Instrument :

BNA_E

ClientSampleId :

PB117987BS

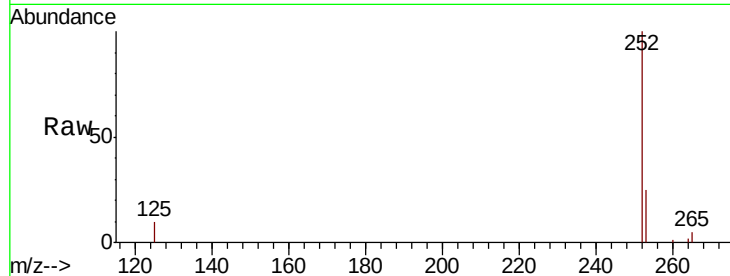
Tgt Ion:252 Resp: 8416

Ion Ratio Lower Upper

252 100

253 24.8 18.2 27.2

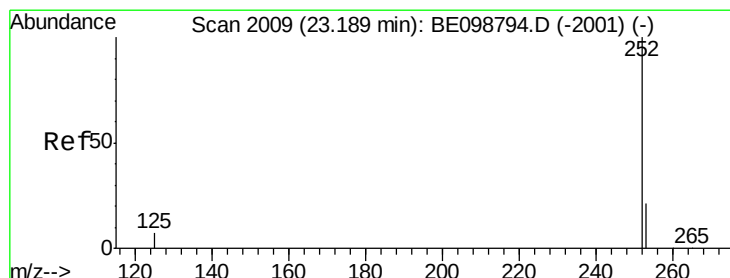
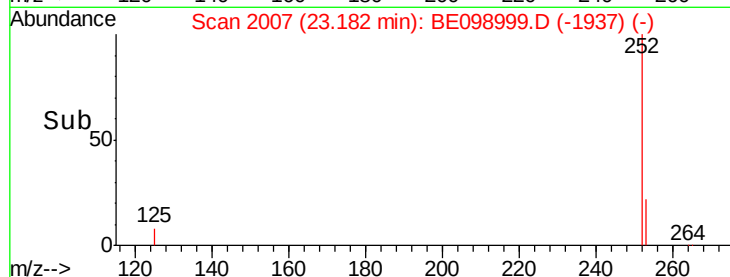
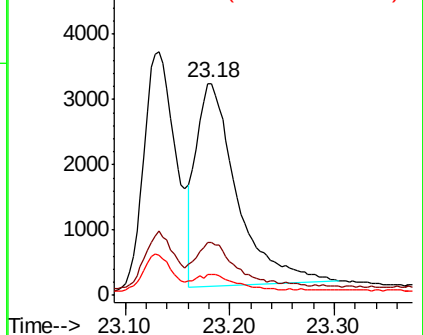
125 10.0 7.3 10.9



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: 0.428 ng

RT: 23.18 min Scan# 2007

Delta R.T. -0.01 min

Lab File: BE098999.D

Acq: 18 Mar 2019 14:01

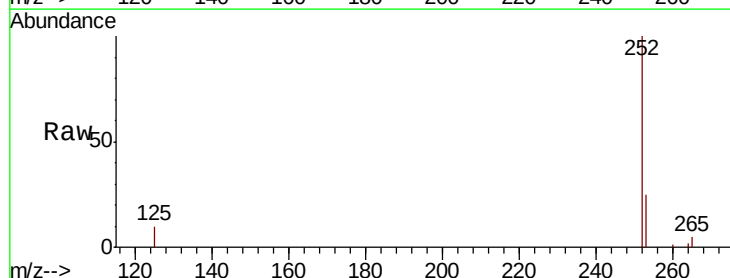
Tgt Ion:252 Resp: 9133

Ion Ratio Lower Upper

252 100

253 24.8 19.3 28.9

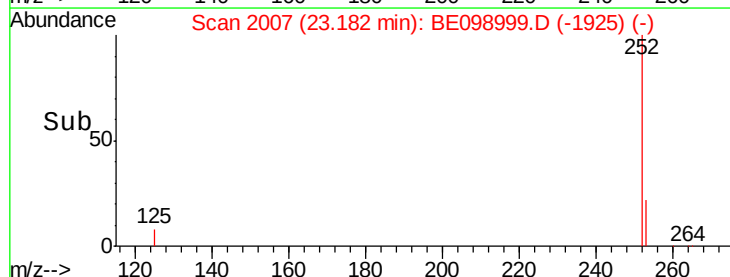
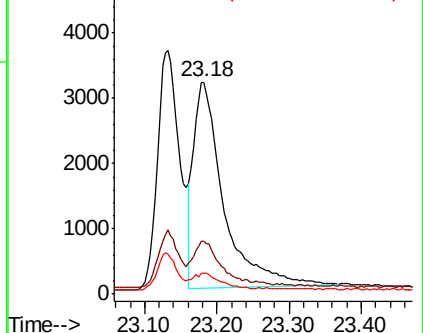
125 10.0 7.5 11.3

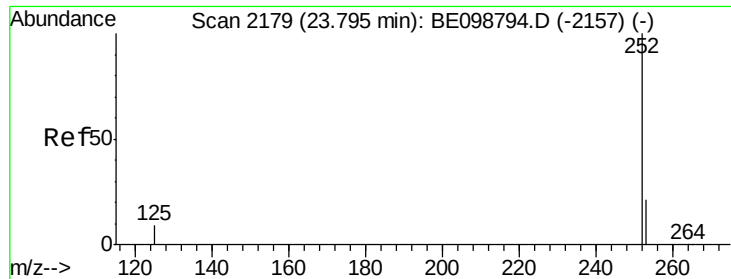


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#37

Benzo(a)pyrene

Concen: 0.394 ng

RT: 23.79 min Scan# 2178

Delta R.T. -0.00 min

Lab File: BE098999.D

Acq: 18 Mar 2019 14:01

Instrument :

BNA_E

ClientSampleId :

PB117987BS

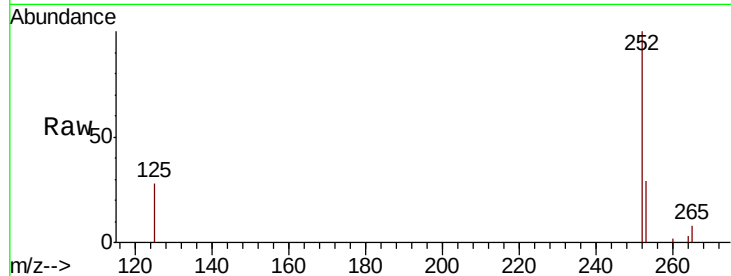
Tgt Ion:252 Resp: 7688

Ion Ratio Lower Upper

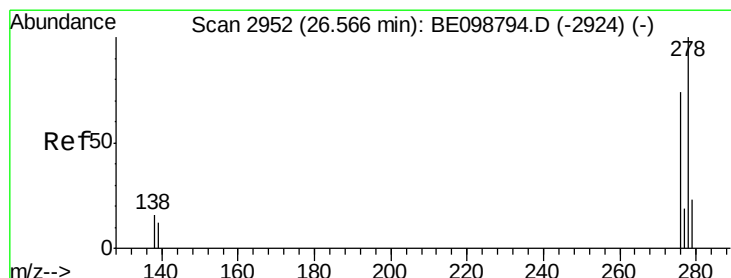
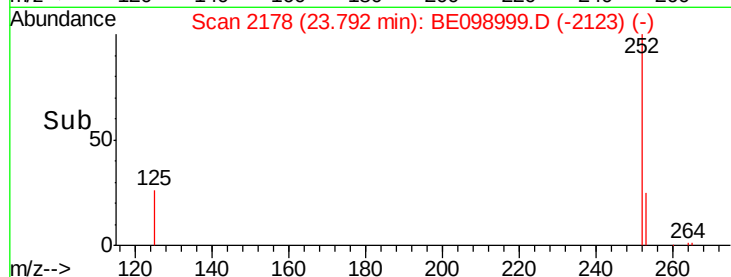
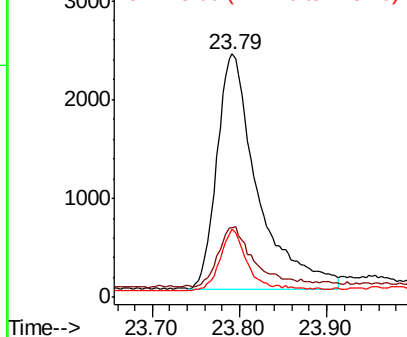
252 100

253 28.8 19.9 29.9

125 28.3 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: 0.231 ng

RT: 26.57 min Scan# 2953

Delta R.T. 0.00 min

Lab File: BE098999.D

Acq: 18 Mar 2019 14:01

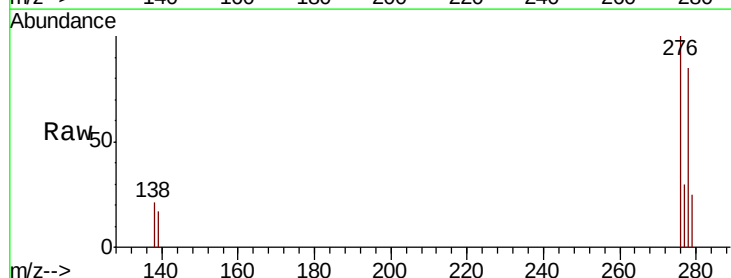
Tgt Ion:278 Resp: 4268

Ion Ratio Lower Upper

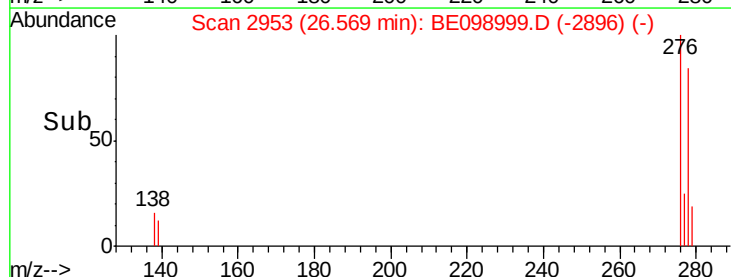
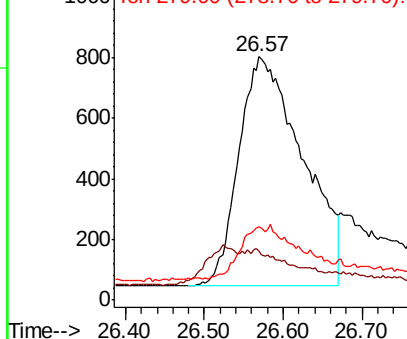
278 100

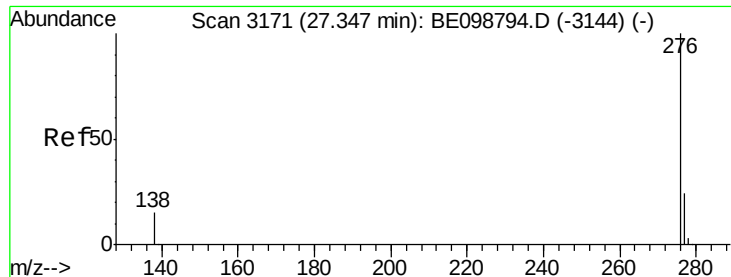
139 20.2 11.8 17.6#

279 29.9 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(g,h,i)perylene

Concen: 0.335 ng

RT: 27.35 min Scan# 3171

Delta R.T. 0.00 min

Lab File: BE098999.D

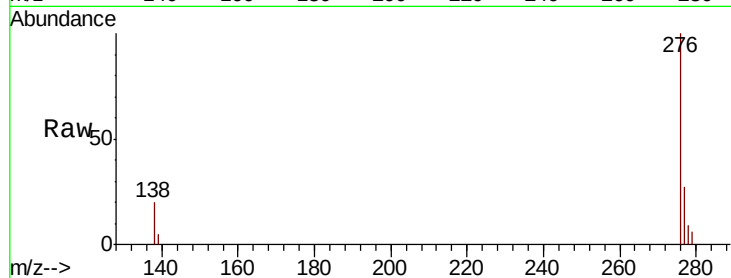
Acq: 18 Mar 2019 14:01

Instrument :

BNA_E

ClientSampleId :

PB117987BS



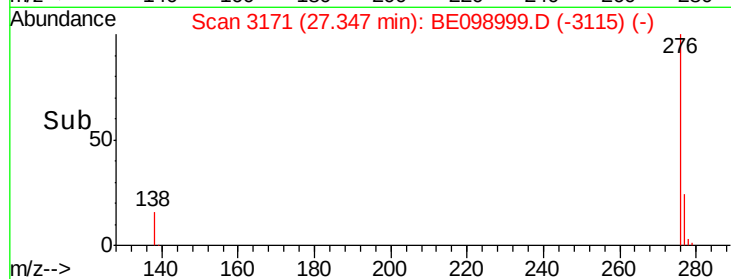
Tgt Ion: 276 Resp: 6475

Ion Ratio Lower Upper

276 100

277 26.6 20.4 30.6

138 20.0 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

