

Data Path : Z:\SVOASRV\HPCHEM1\BNA_E\DATA\BE030819\
 Data File : BE098830.D
 Acq On : 8 Mar 2019 10:03
 Operator : JU/SJ
 Sample : PB117716BS
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 PB117716BS

Quant Time: Mar 08 12:01:54 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	7.79	152	851	0.40	ng	0.00
7) Naphthalene-d8	10.59	136	3501	0.40	ng	0.00
13) Acenaphthene-d10	14.46	164	2283	0.40	ng	0.00
19) Phenanthrene-d10	17.22	188	5985	0.40	ng	0.00
27) Chrysene-d12	21.40	240	7313	0.40	ng	0.00
34) Perylene-d12	23.90	264	7151	0.40	ng	0.00

System Monitoring Compounds						
4) 2-Fluorophenol	5.39	112	911	0.36	ng	0.00
5) Phenol-d6	6.99	99	1289	0.36	ng	0.00
8) Nitrobenzene-d5	8.96	82	1273	0.35	ng	0.00
11) 2-Methylnaphthalene-d10	12.19	152	2556	0.39	ng	0.00
14) 2,4,6-Tribromophenol	15.97	330	425	0.37	ng	0.00
15) 2-Fluorobiphenyl	13.09	172	3731	0.39	ng	0.00
25) Fluoranthene-d10	19.24	212	34443	0.36	ng	0.00
29) Terphenyl-d14	19.84	244	6785	0.38	ng	0.00

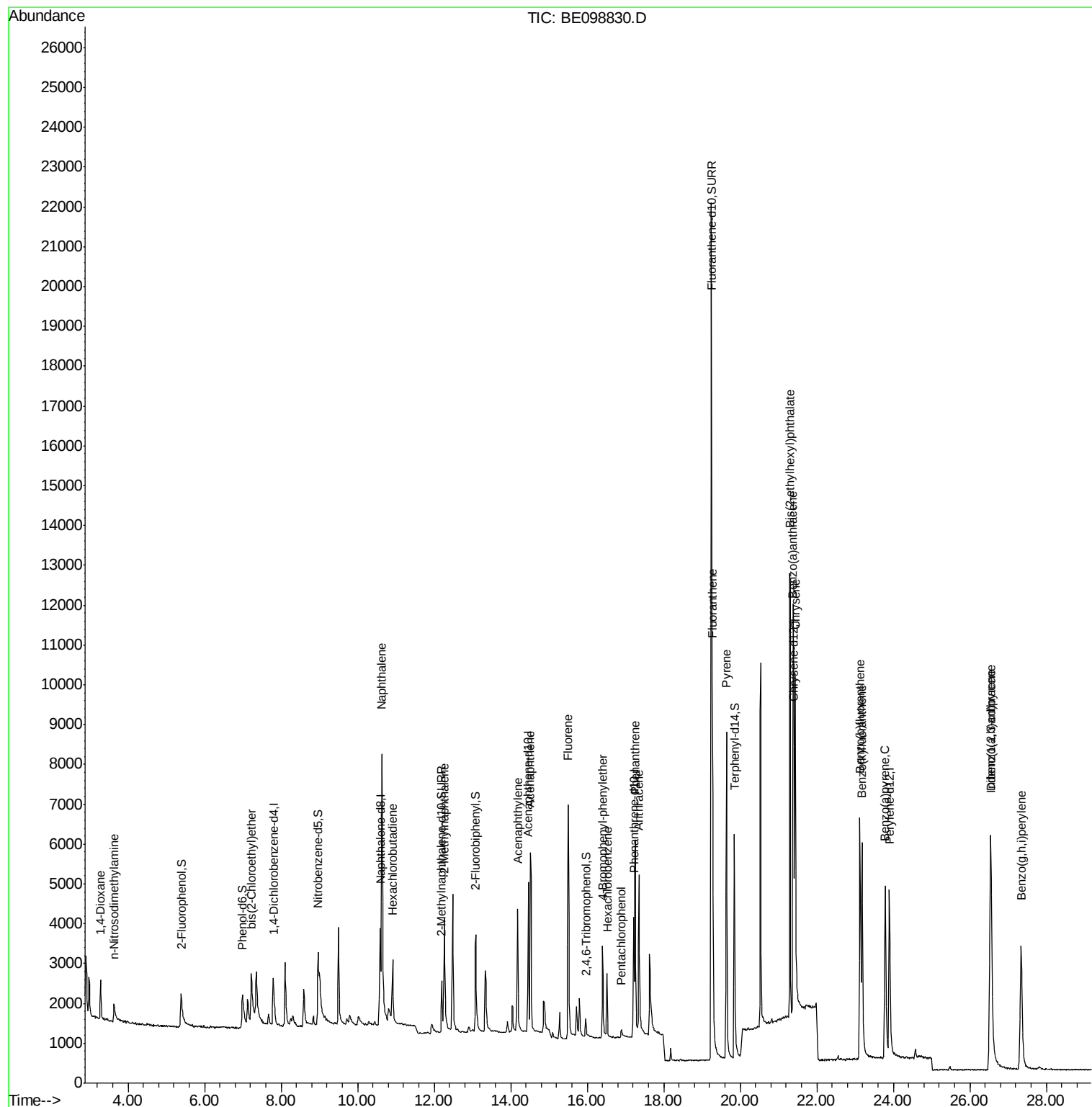
Target Compounds				Qvalue		
2) 1,4-Dioxane	3.28	88	615	0.365	ng	98
3) n-Nitrosodimethylamine	3.63	42	654	0.305	ng	# 96
6) bis(2-Chloroethyl)ether	7.22	93	924	0.333	ng	99
9) Naphthalene	10.63	128	15773	0.393	ng	99
10) Hexachlorobutadiene	10.91	225	1027	0.387	ng	99
12) 2-Methylnaphthalene	12.27	142	2535	0.390	ng	94
16) Acenaphthylene	14.18	152	4540	0.387	ng	98
17) Acenaphthene	14.51	154	2732	0.392	ng	99
18) Fluorene	15.50	166	3881	0.386	ng	100
20) 4-Bromophenyl-phenylether	16.40	248	1157	0.357	ng	93
21) Hexachlorobenzene	16.52	284	1504	0.390	ng	98
22) Pentachlorophenol	16.89	266	233	0.442	ng	83
23) Phenanthrene	17.26	178	6456	0.379	ng	99
24) Anthracene	17.35	178	5303	0.365	ng	100
26) Fluoranthene	19.28	202	8796	0.366	ng	100
28) Pyrene	19.64	202	8996	0.402	ng	99
30) Benzo(a)anthracene	21.38	228	9140	0.400	ng	100
31) Chrysene	21.44	228	9137	0.374	ng	99
32) Bis(2-ethylhexyl)phthalate	21.29	149	16097	0.331	ng	100
33) Indeno(1,2,3-cd)pyrene	26.53	276	10291	0.399	ng	99
35) Benzo(b)fluoranthene	23.13	252	9085	0.386	ng	97
36) Benzo(k)fluoranthene	23.18	252	9503	0.386	ng	99
37) Benzo(a)pyrene	23.78	252	8726	0.387	ng	99
38) Dibenzo(a,h)anthracene	26.55	278	8275	0.388	ng	99
39) Benzo(g,h,i)perylene	27.34	276	8621	0.386	ng	99

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

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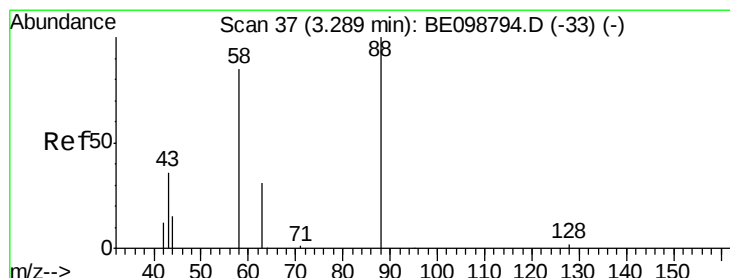
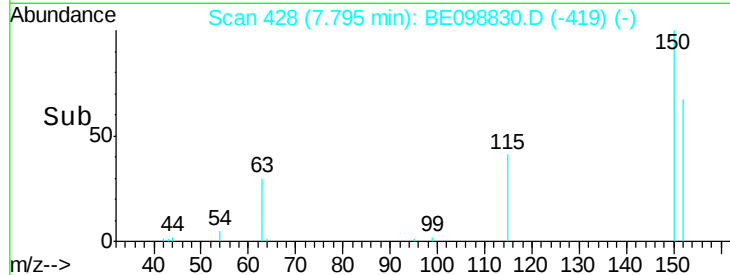
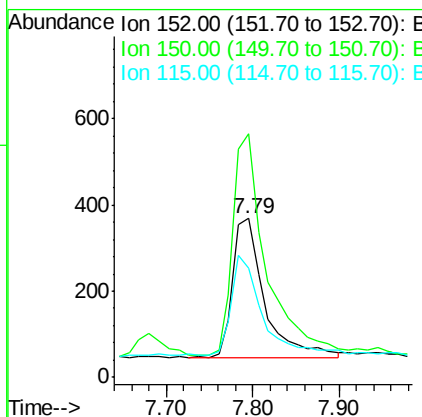
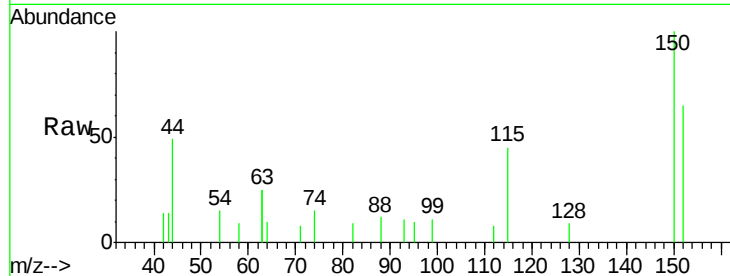




#1
 1,4-Dichlorobenzene-d4
 Concen: 0.400 ng
 RT: 7.79 min Scan# 428
 Delta R.T. 0.00 min
 Lab File: BE098830.D
 Acq: 8 Mar 2019 10:03

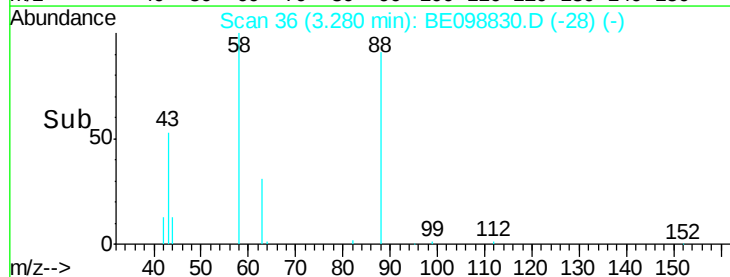
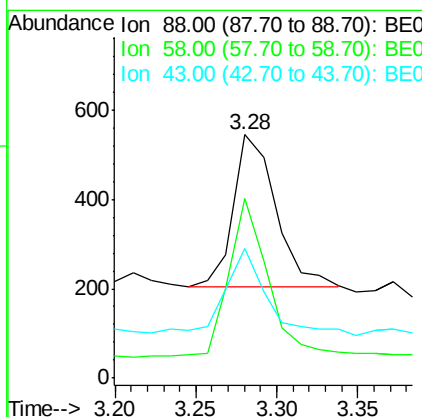
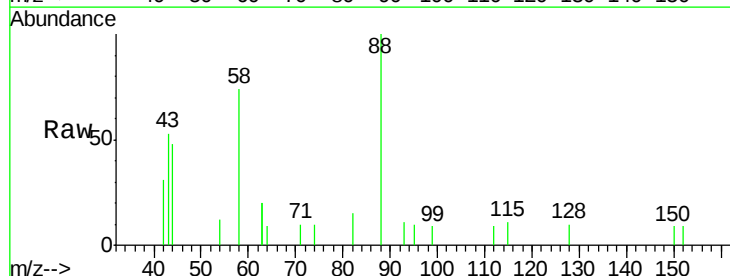
Instrument :
 BNA_E
 ClientSampleId :
 PB117716BS

Tgt Ion: 152 Resp: 851
 Ion Ratio Lower Upper
 152 100
 150 153.1 122.5 183.7
 115 68.3 57.4 86.2



#2
 1,4-Dioxane
 Concen: 0.365 ng
 RT: 3.28 min Scan# 36
 Delta R.T. -0.01 min
 Lab File: BE098830.D
 Acq: 8 Mar 2019 10:03

Tgt Ion: 88 Resp: 615
 Ion Ratio Lower Upper
 88 100
 58 96.1 75.8 113.6
 43 51.1 41.8 62.8





#3

n-Nitrosodimethylamine

Concen: 0.305 ng

RT: 3.63 min Scan# 66

Delta R.T. 0.00 min

Lab File: BE098830.D

Acq: 8 Mar 2019 10:03

Instrument :

BNA_E

ClientSampleId :

PB117716BS

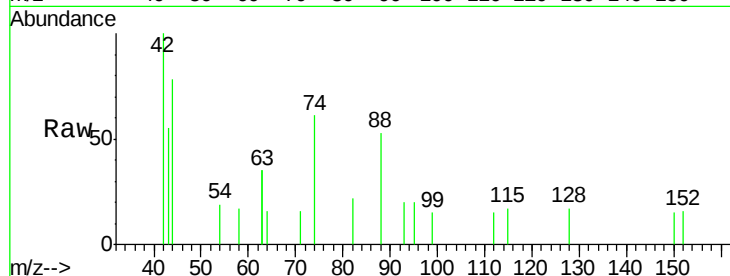
Tgt Ion: 42 Resp: 654

Ion Ratio Lower Upper

42 100

74 68.0 57.0 85.4

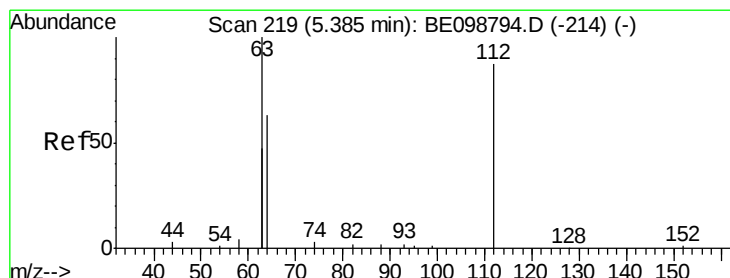
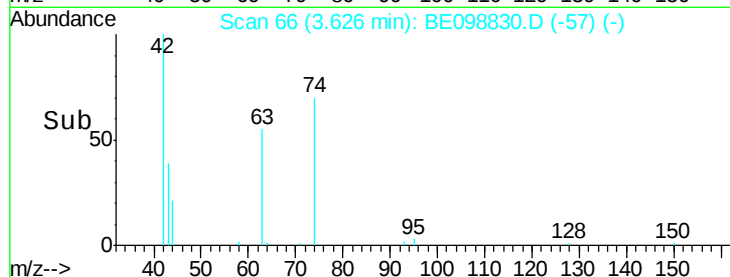
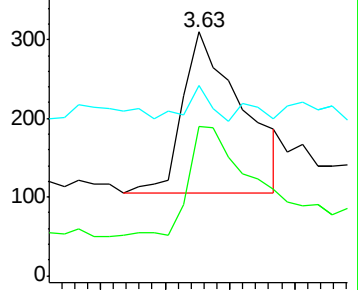
44 8.9 0.0 0.0#



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: 0.358 ng

RT: 5.39 min Scan# 219

Delta R.T. 0.00 min

Lab File: BE098830.D

Acq: 8 Mar 2019 10:03

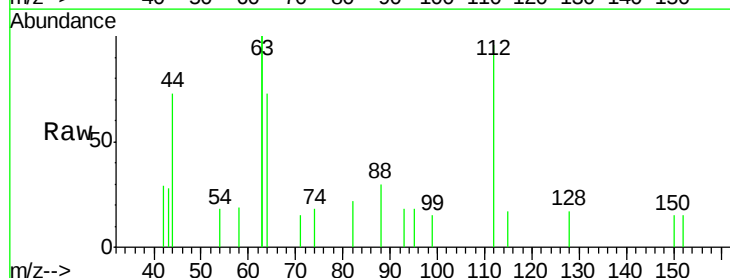
Tgt Ion: 112 Resp: 911

Ion Ratio Lower Upper

112 100

64 75.5 57.9 86.9

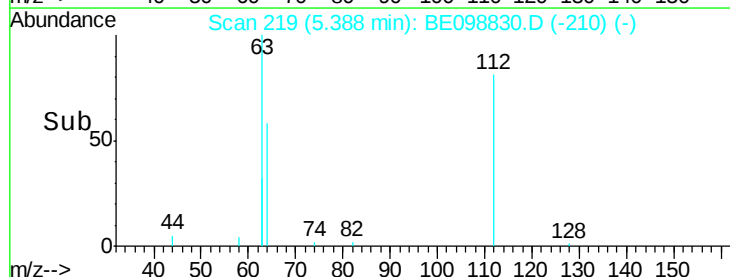
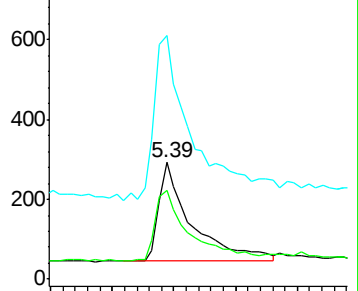
63 205.7 158.3 237.5



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: 0.359 ng

RT: 6.99 min Scan# 358

Delta R.T. 0.00 min

Lab File: BE098830.D

Acq: 8 Mar 2019 10:03

Instrument :

BNA_E

ClientSampleId :

PB117716BS

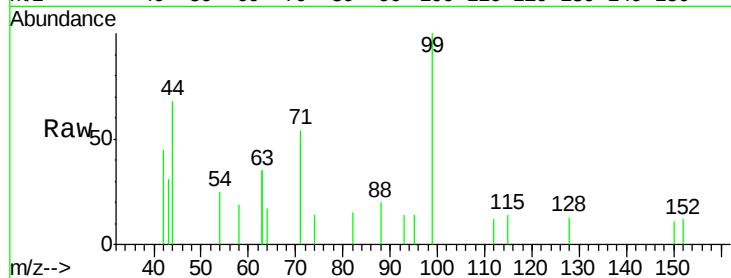
Tgt Ion: 99 Resp: 1289

Ion Ratio Lower Upper

99 100

42 34.6 24.2 36.2

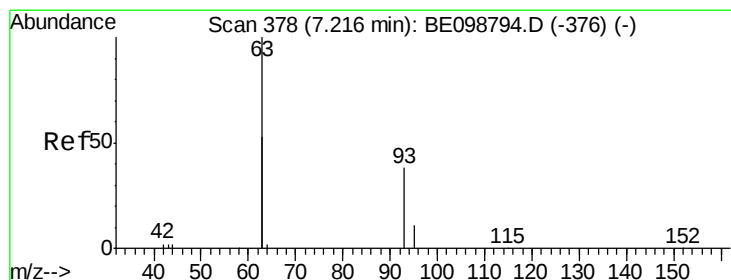
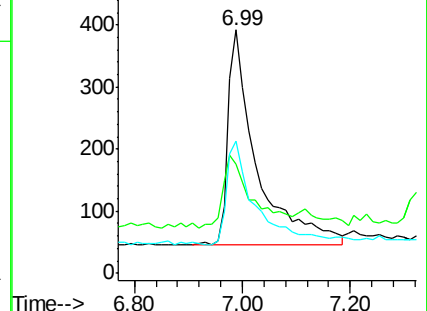
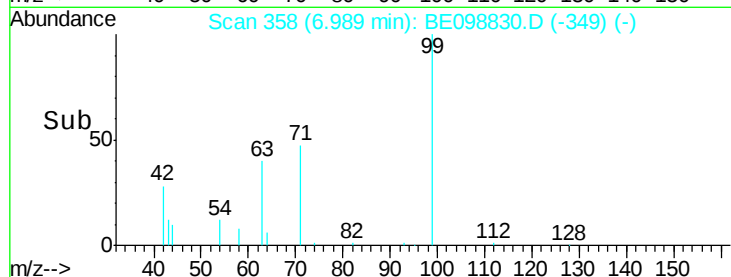
71 48.9 35.7 53.5



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: 0.333 ng

RT: 7.22 min Scan# 378

Delta R.T. 0.00 min

Lab File: BE098830.D

Acq: 8 Mar 2019 10:03

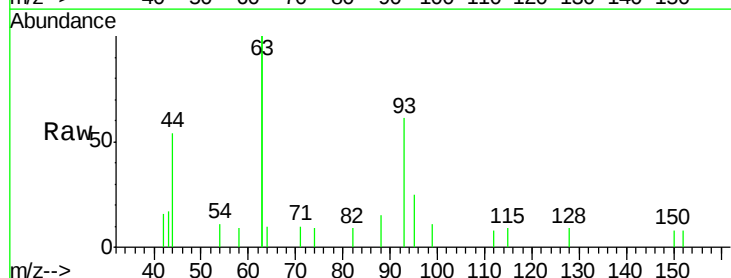
Tgt Ion: 93 Resp: 924

Ion Ratio Lower Upper

93 100

63 307.8 247.5 371.3

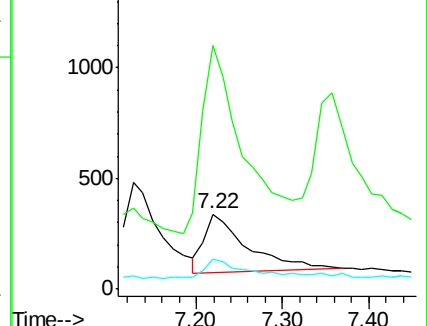
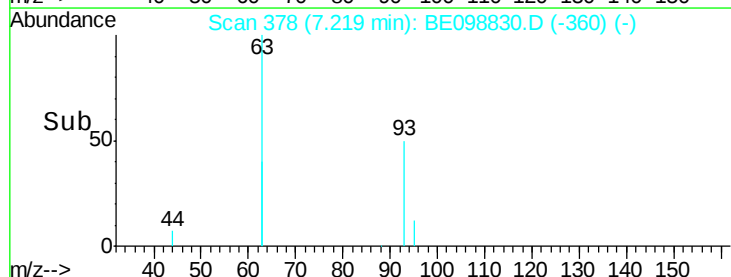
95 31.3 21.8 32.8



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: BE098830.D

Acq: 8 Mar 2019 10:03

Instrument :

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Tgt Ion:136 Resp: 3501

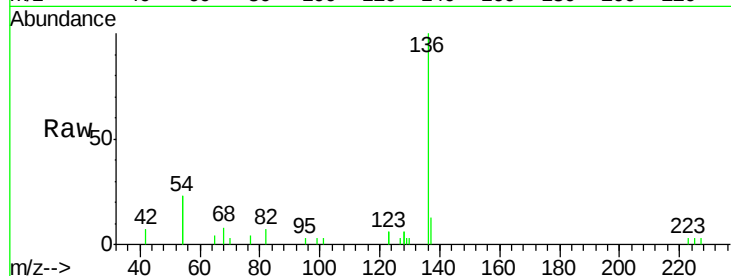
Ion Ratio Lower Upper

136 100

137 13.1 11.4 17.0

54 46.6 39.3 58.9

68 7.9 6.7 10.1

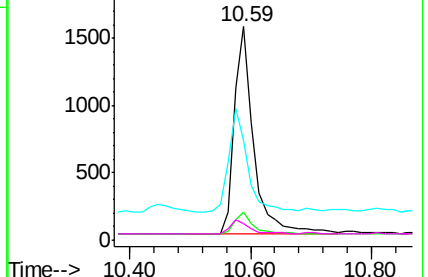
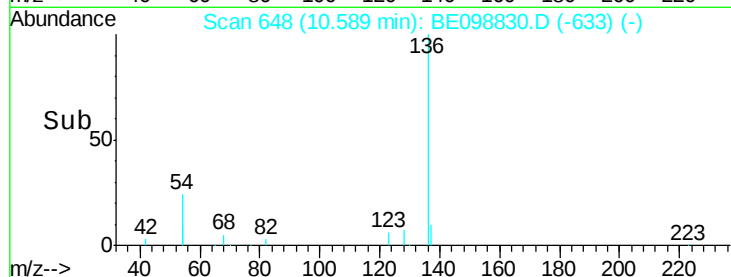


Abundance Ion 136.00 (135.70 to 136.70): E

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: 0.347 ng

RT: 8.96 min Scan# 523

Delta R.T. -0.00 min

Lab File: BE098830.D

Acq: 8 Mar 2019 10:03

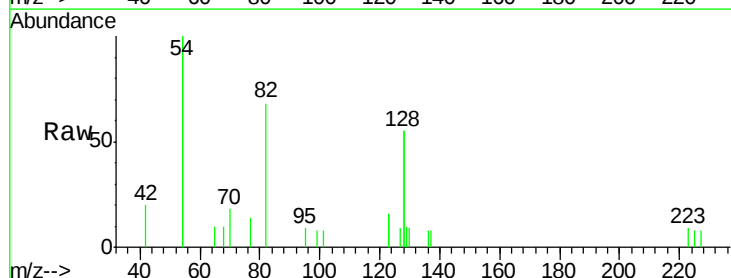
Tgt Ion: 82 Resp: 1273

Ion Ratio Lower Upper

82 100

128 162.0 123.8 185.8

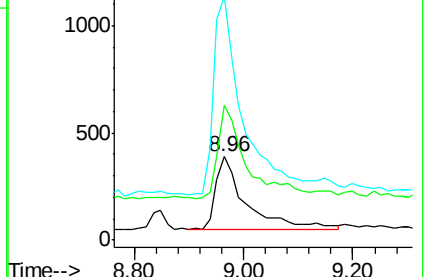
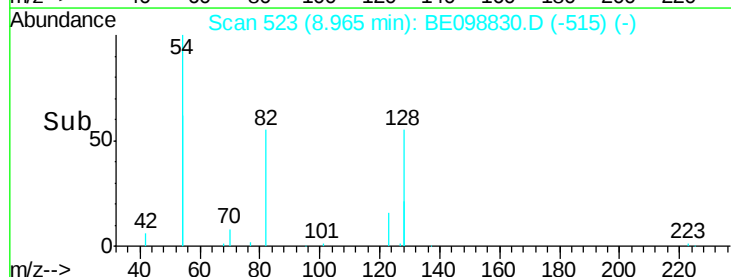
54 292.0 203.4 305.2

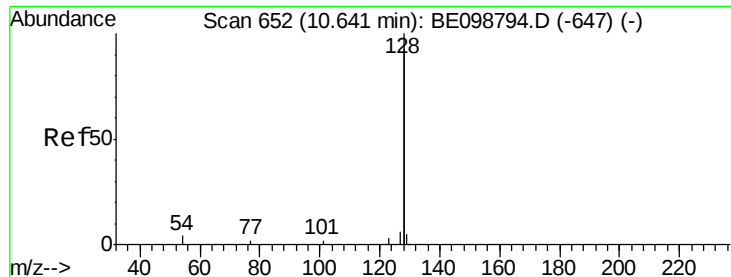


Abundance Ion 82.00 (81.70 to 82.70): BE0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BE0





#9

Naphthalene

Concen: 0.393 ng

RT: 10.63 min Scan# 651

Delta R.T. -0.01 min

Lab File: BE098830.D

Acq: 8 Mar 2019 10:03

Instrument :

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ClientSampleId :

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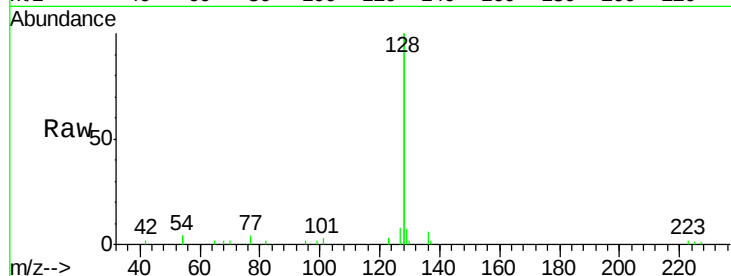
Tgt Ion:128 Resp: 15773

Ion Ratio Lower Upper

128 100

129 3.5 2.6 4.0

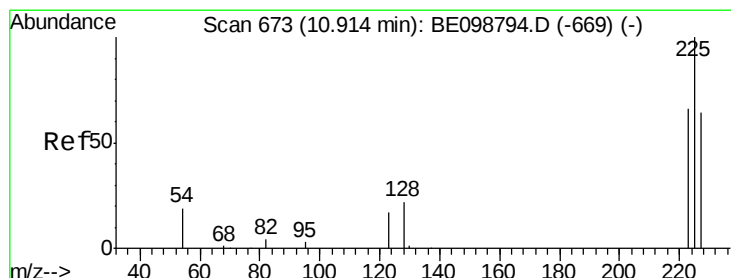
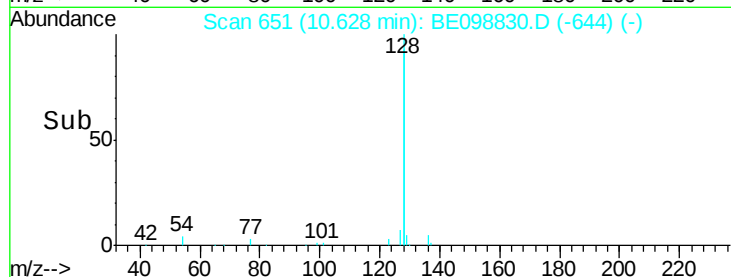
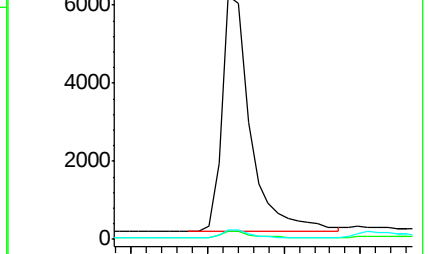
127 4.1 3.1 4.7



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: 0.387 ng

RT: 10.91 min Scan# 673

Delta R.T. -0.00 min

Lab File: BE098830.D

Acq: 8 Mar 2019 10:03

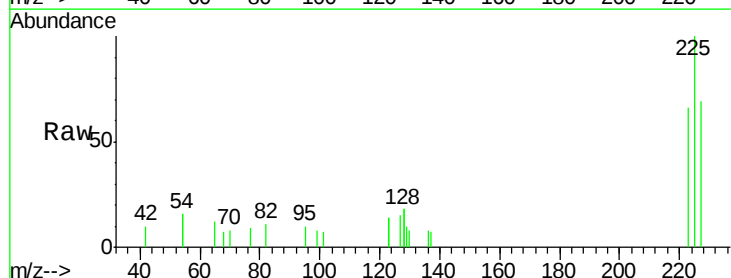
Tgt Ion:225 Resp: 1027

Ion Ratio Lower Upper

225 100

223 65.2 51.1 76.7

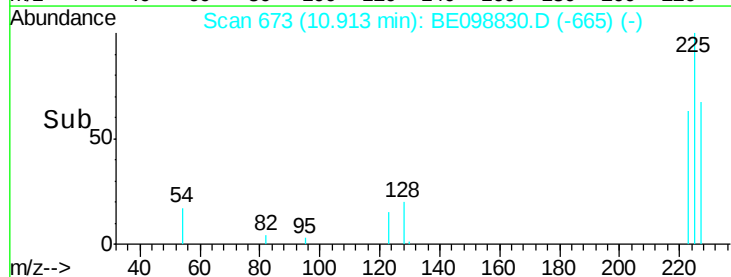
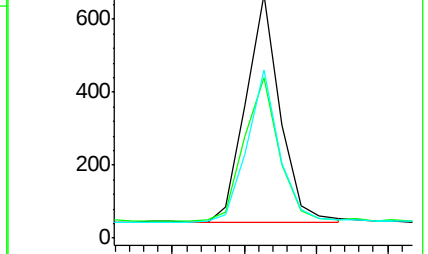
227 63.9 51.6 77.4



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: 0.395 ng

RT: 12.19 min Scan# 762

Delta R.T. 0.00 min

Lab File: BE098830.D

Acq: 8 Mar 2019 10:03

Instrument :

BNA_E

ClientSampleId :

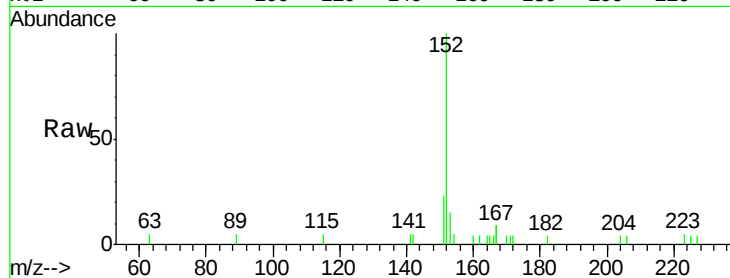
PB117716BS

Tgt Ion:152 Resp: 2556

Ion Ratio Lower Upper

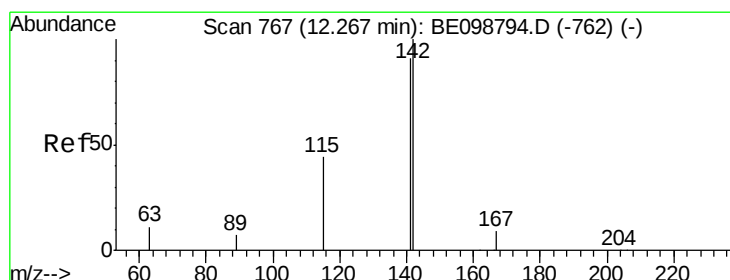
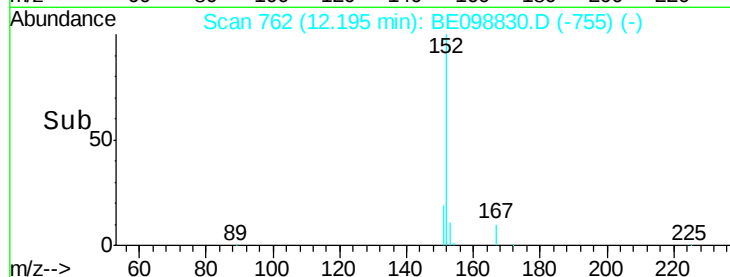
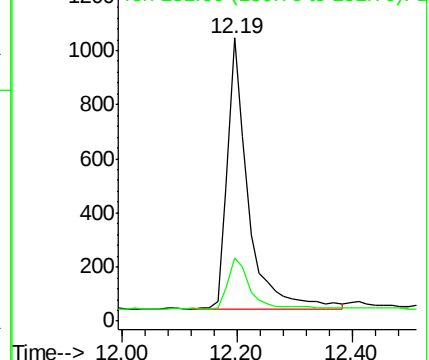
152 100

151 19.9 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: 0.390 ng

RT: 12.27 min Scan# 767

Delta R.T. 0.00 min

Lab File: BE098830.D

Acq: 8 Mar 2019 10:03

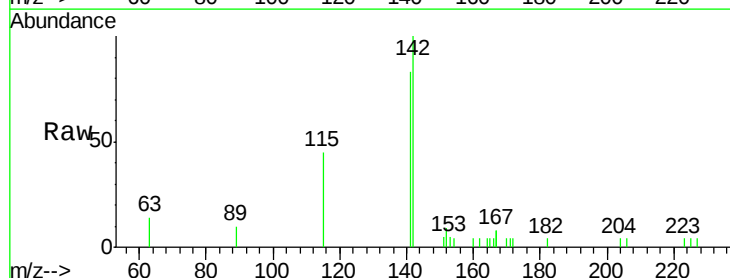
Tgt Ion:142 Resp: 2535

Ion Ratio Lower Upper

142 100

141 83.0 72.6 108.8

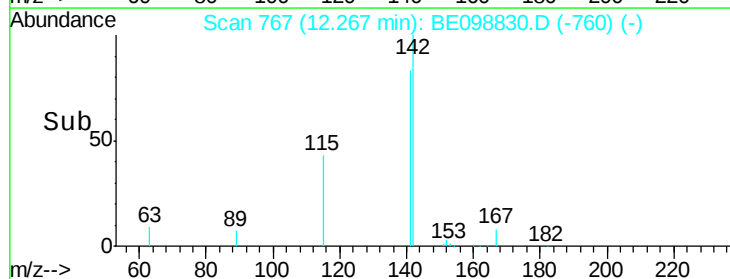
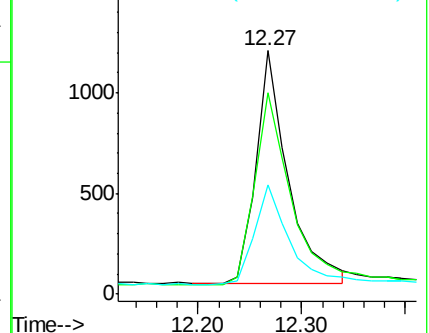
115 45.1 37.4 56.2



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

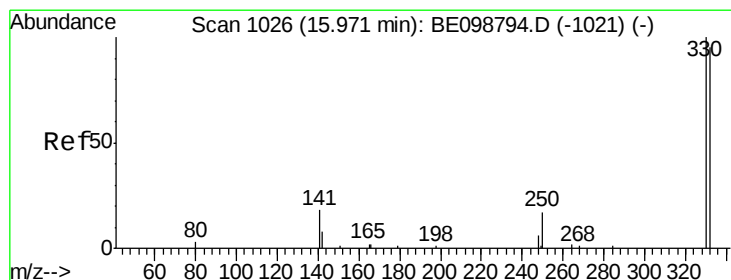
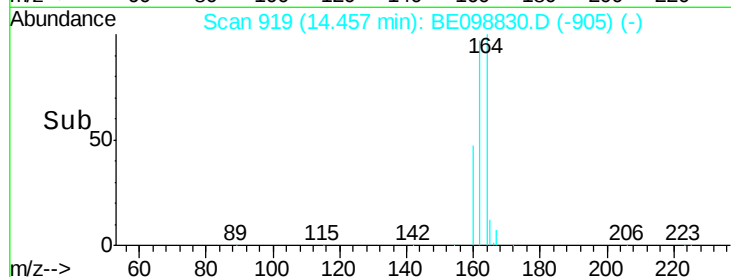
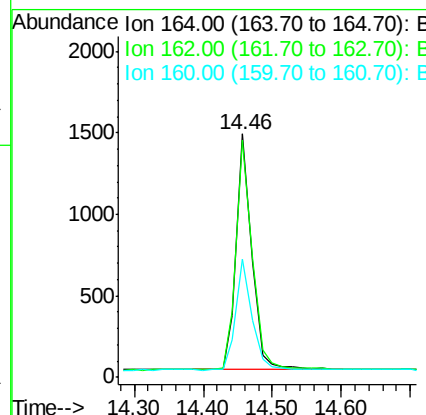
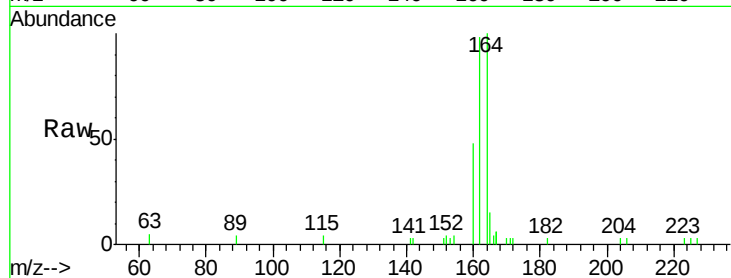




#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.46 min Scan# 919
Delta R.T. 0.00 min
Lab File: BE098830.D
Acq: 8 Mar 2019 10:03

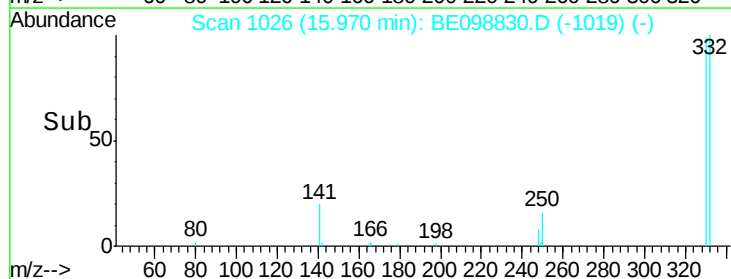
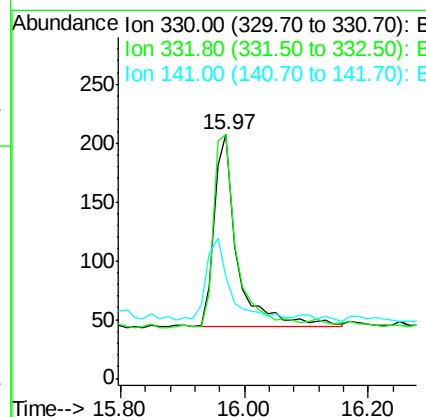
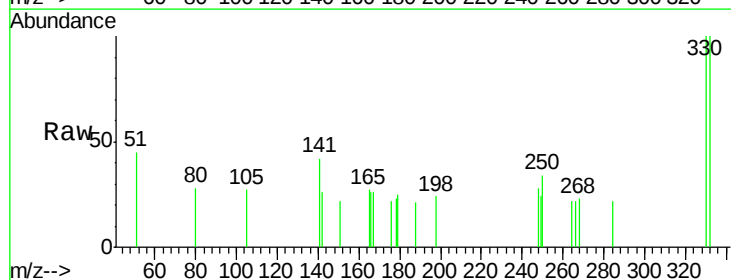
Instrument :
BNA_E
ClientSampleId :
PB117716BS

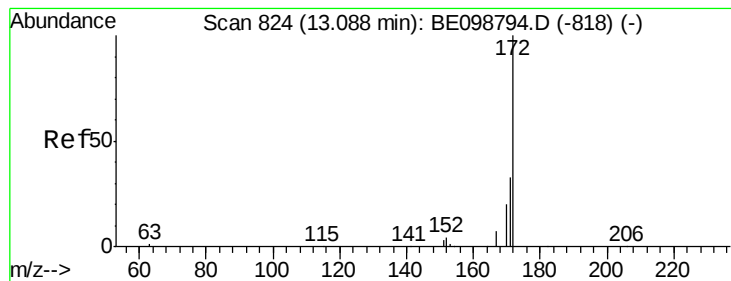
Tgt Ion:164 Resp: 2283
Ion Ratio Lower Upper
164 100
162 97.5 80.2 120.2
160 48.3 37.8 56.8



#14
2,4,6-Tribromophenol
Concen: 0.369 ng
RT: 15.97 min Scan# 1026
Delta R.T. -0.00 min
Lab File: BE098830.D
Acq: 8 Mar 2019 10:03

Tgt Ion:330 Resp: 425
Ion Ratio Lower Upper
330 100
332 98.4 77.6 116.4
141 39.8 31.0 46.4

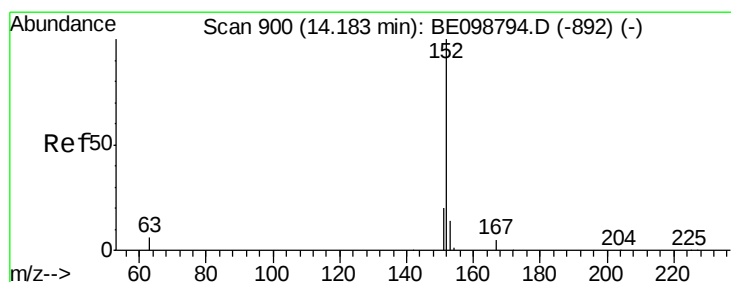
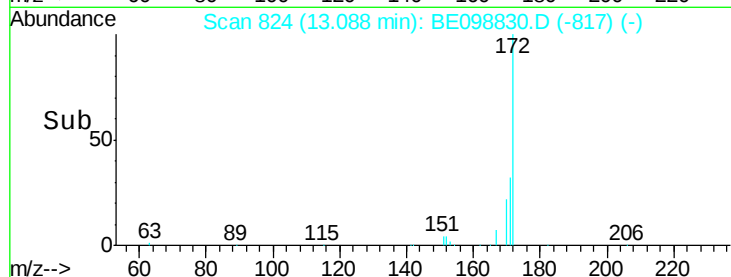
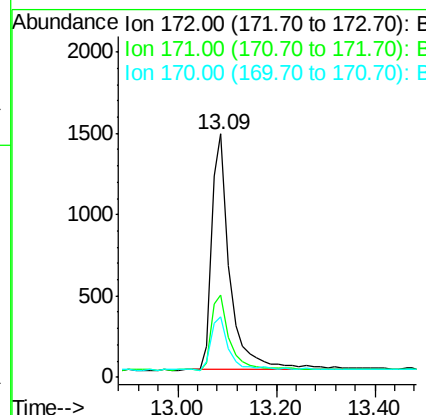
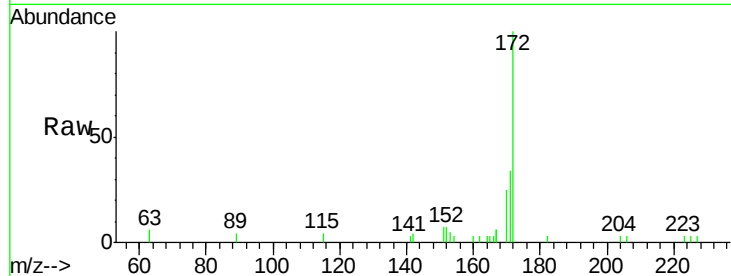




#15
2-Fluorobiphenyl
Concen: 0.395 ng
RT: 13.09 min Scan# 824
Delta R.T. 0.00 min
Lab File: BE098830.D
Acq: 8 Mar 2019 10:03

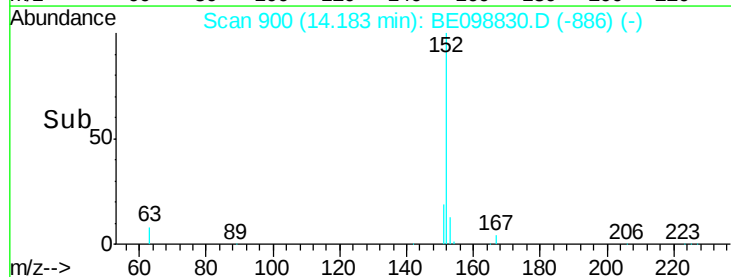
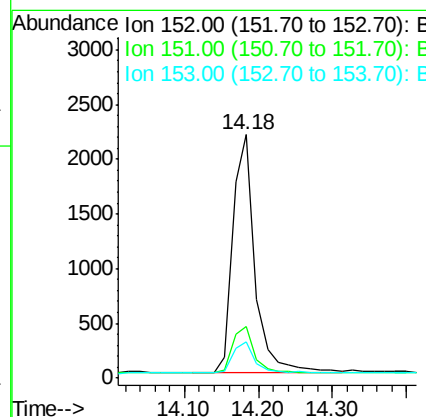
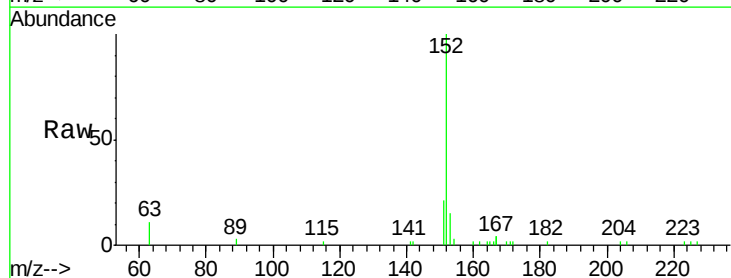
Instrument :
BNA_E
ClientSampleId :
PB117716BS

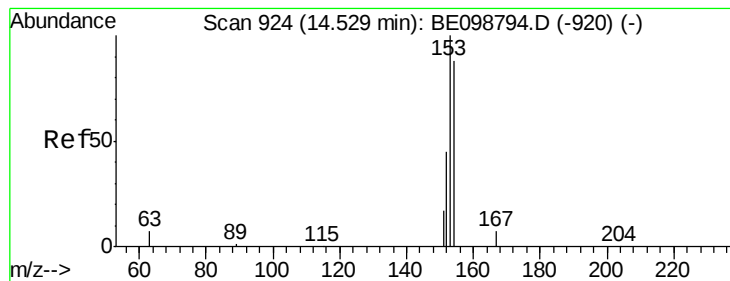
Tgt Ion:172 Resp: 3731
Ion Ratio Lower Upper
172 100
171 33.8 28.0 42.0
170 24.8 17.7 26.5



#16
Acenaphthylene
Concen: 0.387 ng
RT: 14.18 min Scan# 900
Delta R.T. 0.00 min
Lab File: BE098830.D
Acq: 8 Mar 2019 10:03

Tgt Ion:152 Resp: 4540
Ion Ratio Lower Upper
152 100
151 20.2 17.0 25.6
153 13.5 11.2 16.8





#17

Acenaphthene

Concen: 0.392 ng

RT: 14.51 min Scan# 923

Delta R.T. -0.01 min

Lab File: BE098830.D

Acq: 8 Mar 2019 10:03

Instrument :

BNA_E

ClientSampleId :

PB117716BS

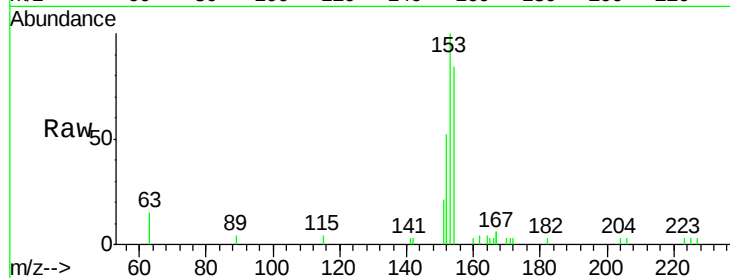
Tgt Ion:154 Resp: 2732

Ion Ratio Lower Upper

154 100

153 117.1 94.2 141.4

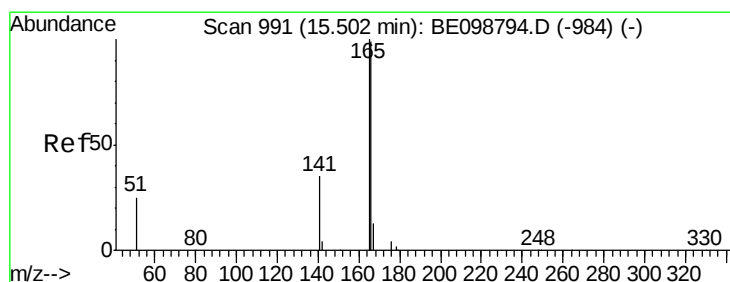
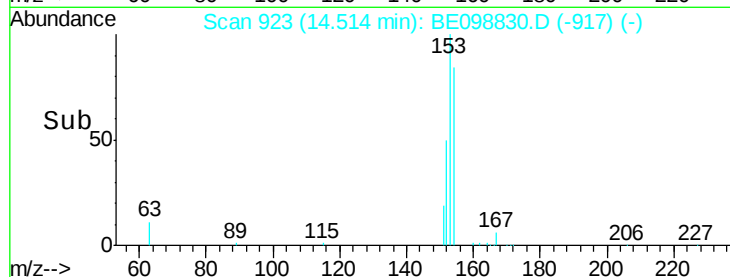
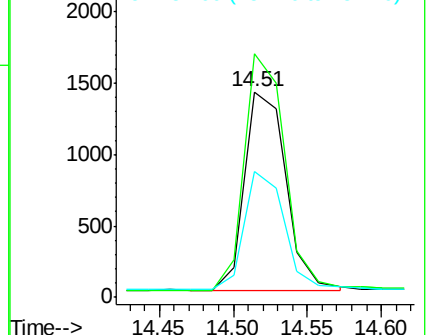
152 57.8 45.0 67.4



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: 0.386 ng

RT: 15.50 min Scan# 991

Delta R.T. -0.00 min

Lab File: BE098830.D

Acq: 8 Mar 2019 10:03

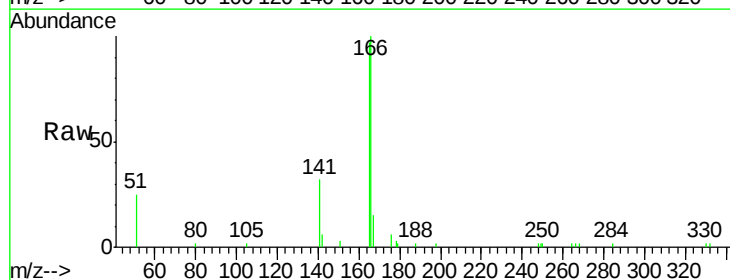
Tgt Ion:166 Resp: 3881

Ion Ratio Lower Upper

166 100

165 98.8 79.3 118.9

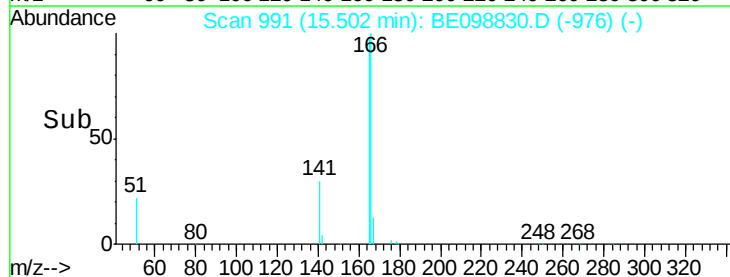
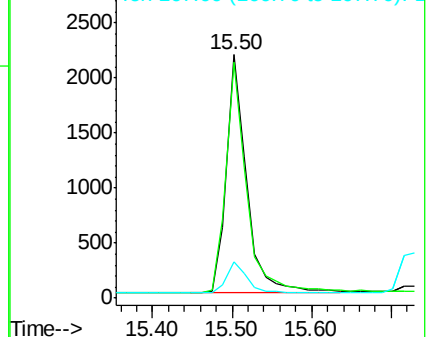
167 13.8 10.5 15.7

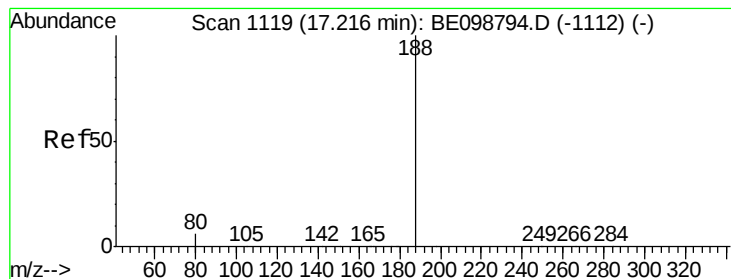


Abundance Ion 166.00 (165.70 to 166.70): E

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: 17.22 min Scan# 1119

Delta R.T. -0.00 min

Lab File: BE098830.D

Acq: 8 Mar 2019 10:03

Instrument :

BNA_E

ClientSampleId :

PB117716BS

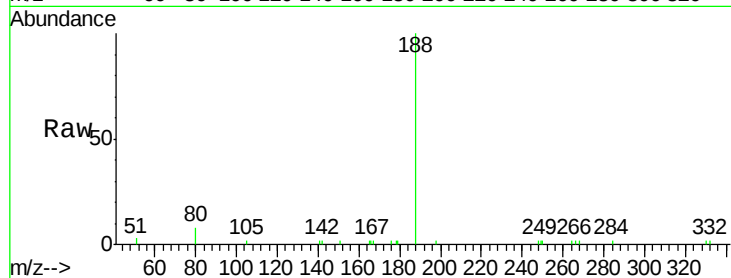
Tgt Ion:188 Resp: 5985

Ion Ratio Lower Upper

188 100

94 0.0 0.0 0.0

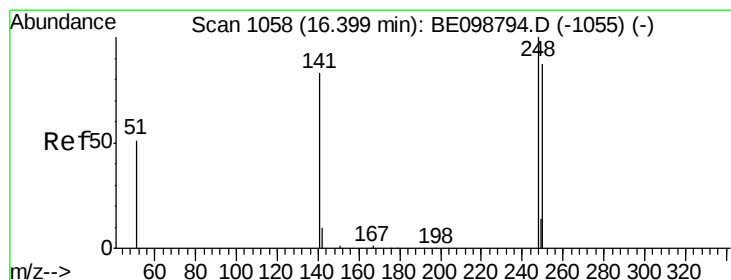
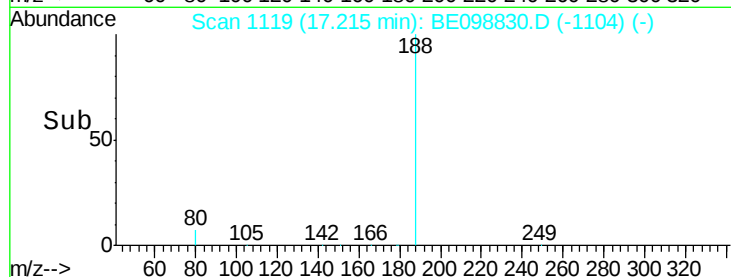
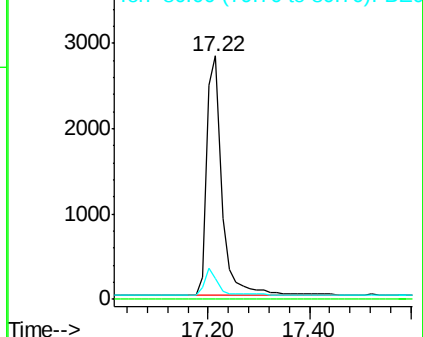
80 8.3 6.3 9.5



Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BE0

Ion 80.00 (79.70 to 80.70): BE0



#20

4-Bromophenyl-phenylether

Concen: 0.357 ng

RT: 16.40 min Scan# 1058

Delta R.T. -0.00 min

Lab File: BE098830.D

Acq: 8 Mar 2019 10:03

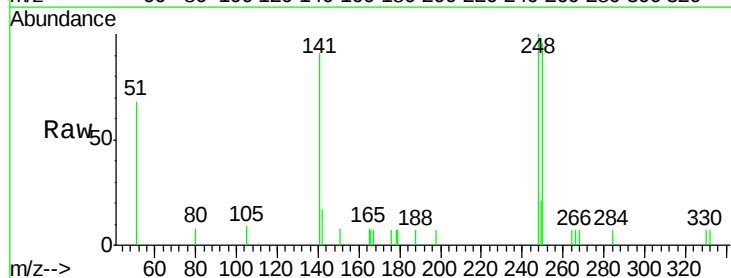
Tgt Ion:248 Resp: 1157

Ion Ratio Lower Upper

248 100

250 95.7 70.6 105.8

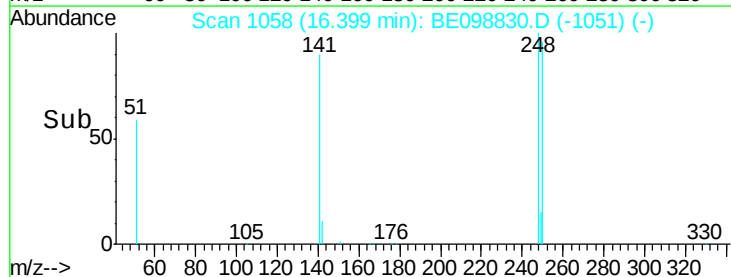
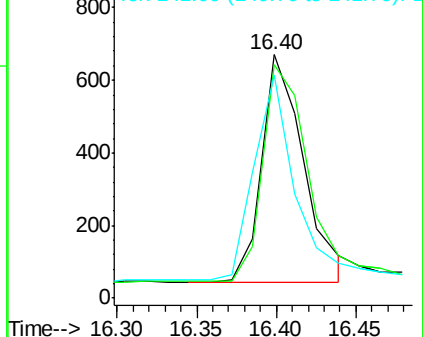
141 91.4 68.6 102.8

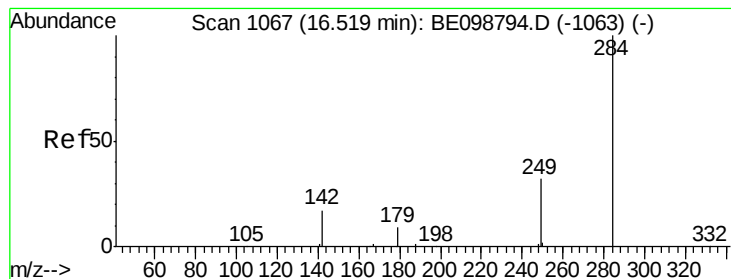


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E





#21

Hexachlorobenzene

Concen: 0.390 ng

RT: 16.52 min Scan# 1067

Delta R.T. -0.00 min

Lab File: BE098830.D

Acq: 8 Mar 2019 10:03

Instrument :

BNA_E

ClientSampleId :

PB117716BS

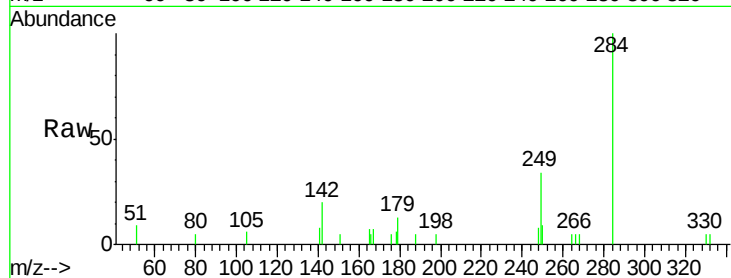
Tgt Ion:284 Resp: 1504

Ion Ratio Lower Upper

284 100

142 35.0 28.7 43.1

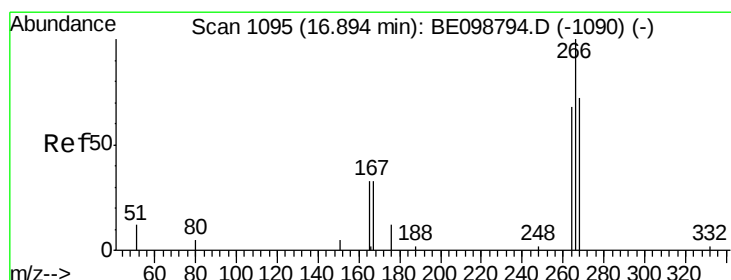
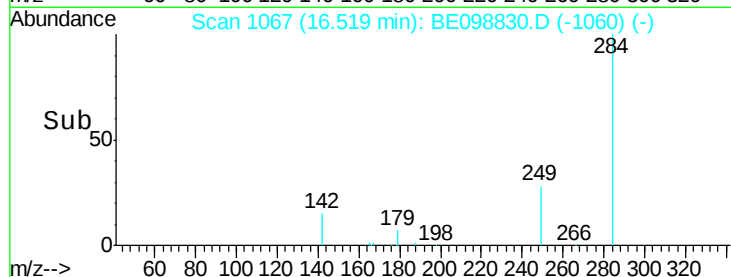
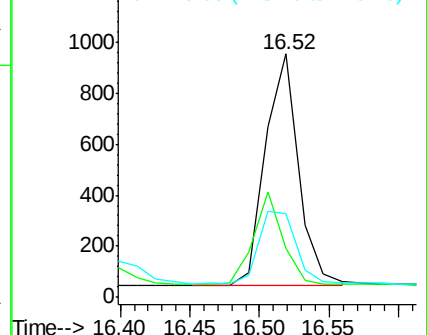
249 35.2 29.6 44.4



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: 0.442 ng

RT: 16.89 min Scan# 1095

Delta R.T. -0.00 min

Lab File: BE098830.D

Acq: 8 Mar 2019 10:03

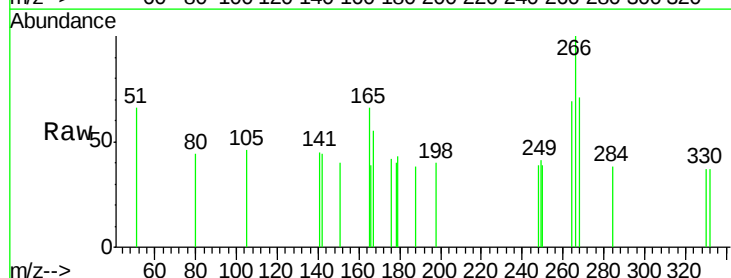
Tgt Ion:266 Resp: 233

Ion Ratio Lower Upper

266 100

264 68.9 66.6 100.0

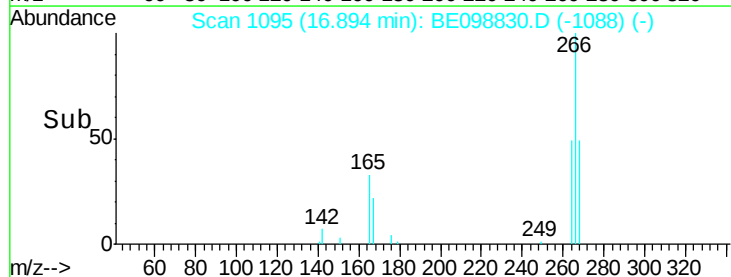
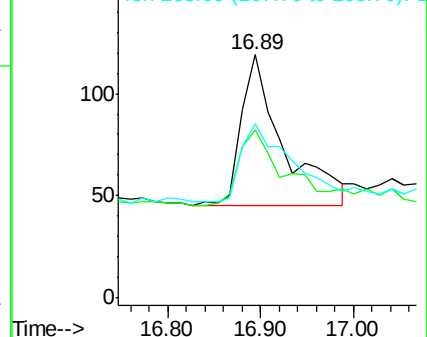
268 71.4 69.8 104.8



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: 0.379 ng

RT: 17.26 min Scan# 1122

Delta R.T. -0.00 min

Lab File: BE098830.D

Acq: 8 Mar 2019 10:03

Instrument :

BNA_E

ClientSampleId :

PB117716BS

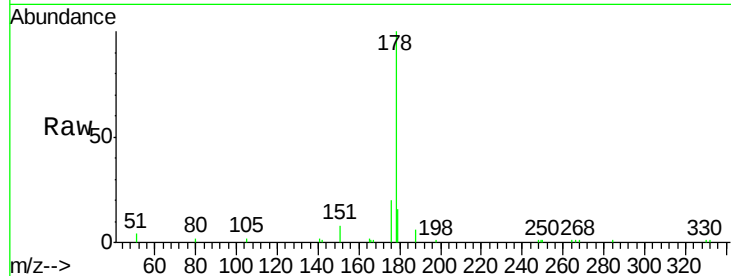
Tgt Ion:178 Resp: 6456

Ion Ratio Lower Upper

178 100

176 19.4 16.0 24.0

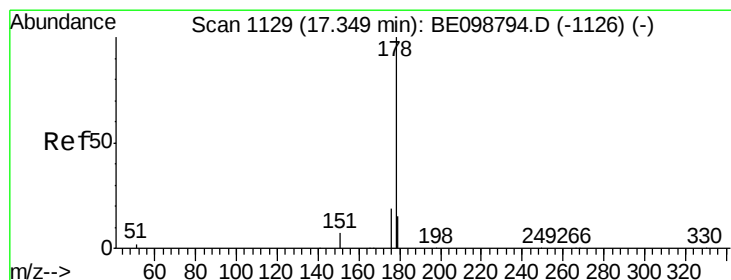
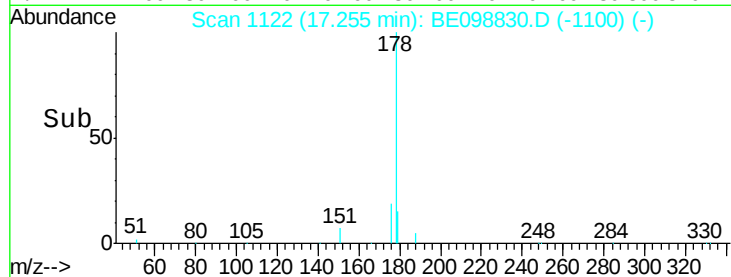
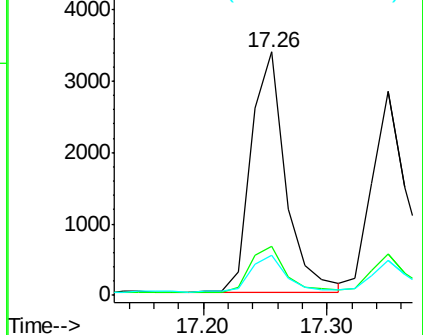
179 15.6 12.1 18.1



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: 0.365 ng

RT: 17.35 min Scan# 1129

Delta R.T. -0.00 min

Lab File: BE098830.D

Acq: 8 Mar 2019 10:03

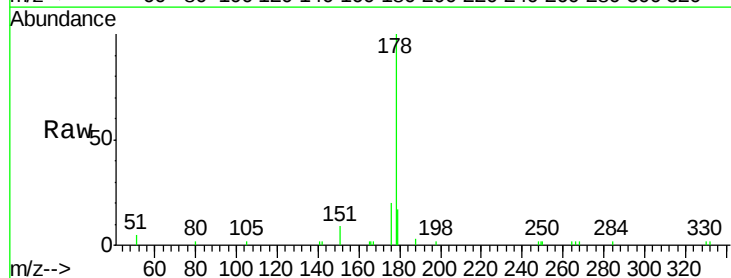
Tgt Ion:178 Resp: 5303

Ion Ratio Lower Upper

178 100

176 19.2 15.4 23.0

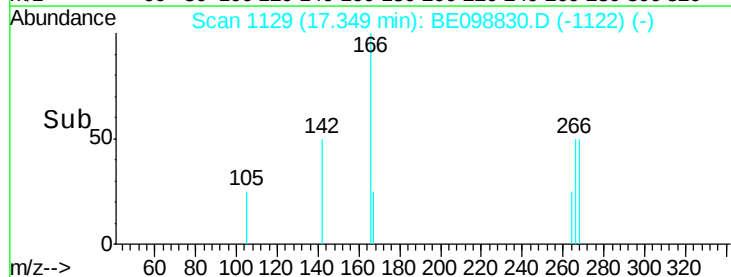
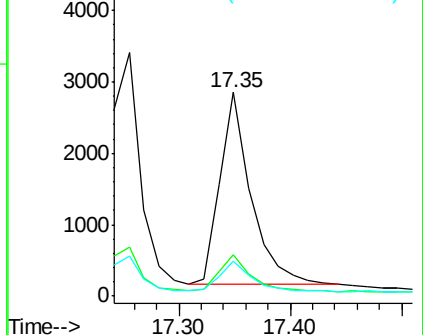
179 15.7 12.2 18.4



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: 0.361 ng

RT: 19.24 min Scan# 1388

Delta R.T. -0.01 min

Lab File: BE098830.D

Acq: 8 Mar 2019 10:03

Instrument :

BNA_E

ClientSampleId :

PB117716BS

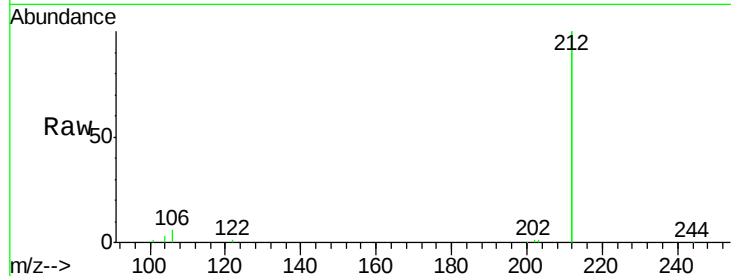
Tgt Ion:212 Resp: 34443

Ion Ratio Lower Upper

212 100

106 2.4 1.8 2.8

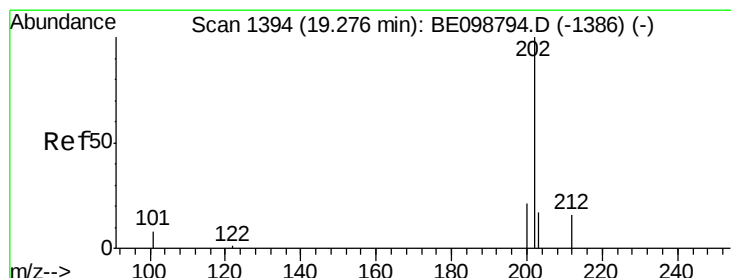
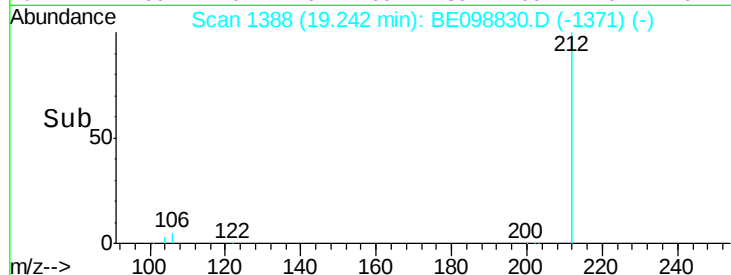
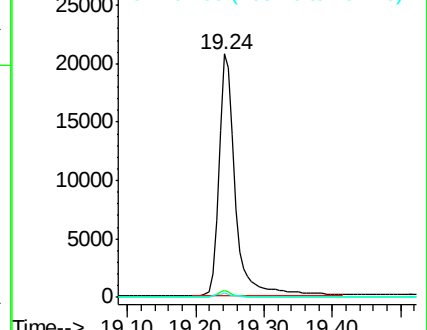
104 1.3 1.0 1.6



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: 0.366 ng

RT: 19.28 min Scan# 1394

Delta R.T. 0.00 min

Lab File: BE098830.D

Acq: 8 Mar 2019 10:03

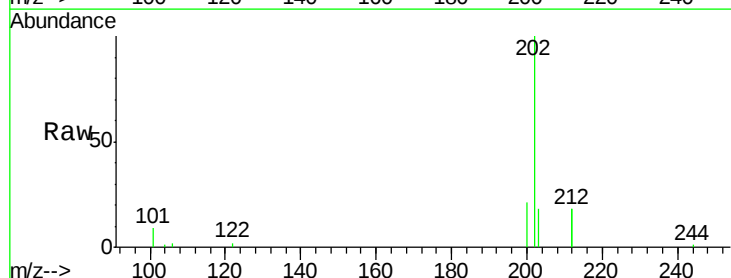
Tgt Ion:202 Resp: 8796

Ion Ratio Lower Upper

202 100

101 9.1 7.3 10.9

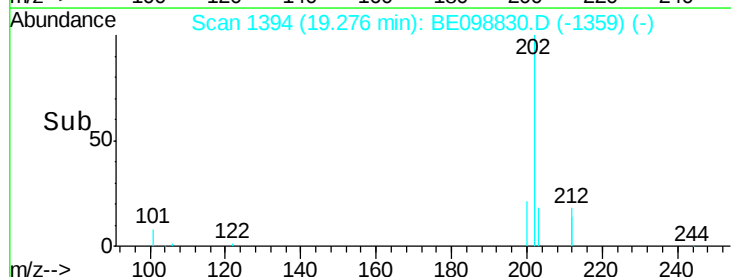
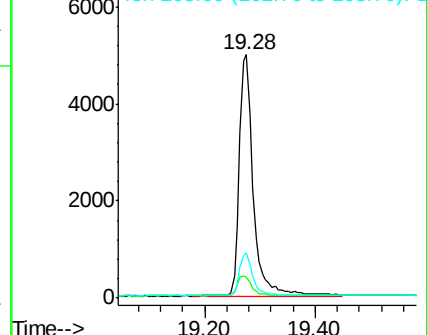
203 16.9 13.4 20.2



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

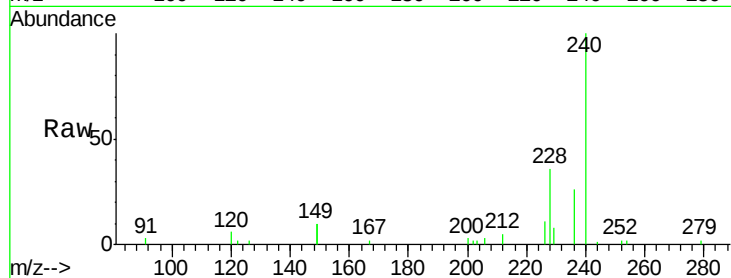




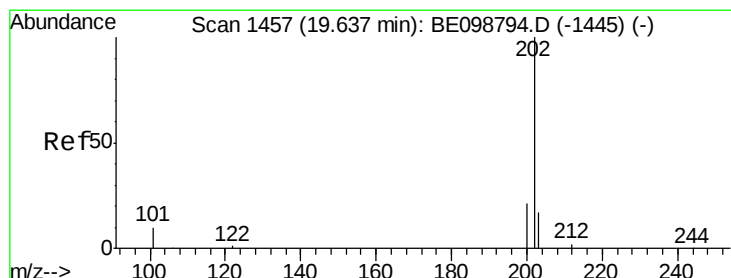
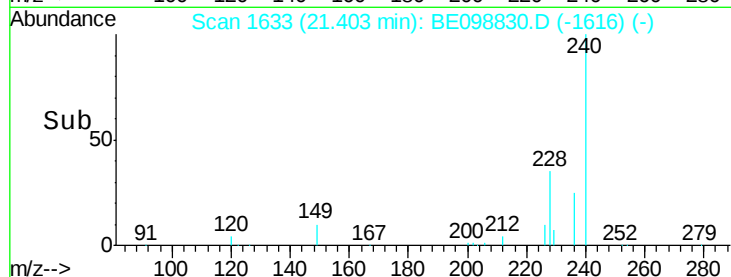
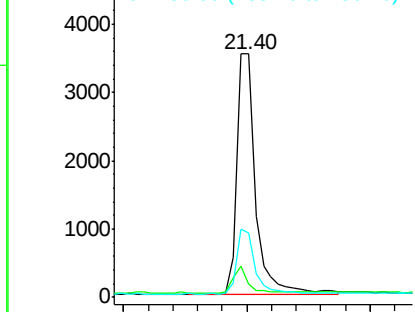
#27
 Chrysene-d12
 Concen: 0.400 ng
 RT: 21.40 min Scan# 1633
 Delta R.T. 0.00 min
 Lab File: BE098830.D
 Acq: 8 Mar 2019 10:03

Instrument :
 BNA_E
 ClientSampleId :
 PB117716BS

Tgt Ion: 240 Resp: 7313
 Ion Ratio Lower Upper
 240 100
 120 5.7 5.0 7.4
 236 26.2 22.7 34.1

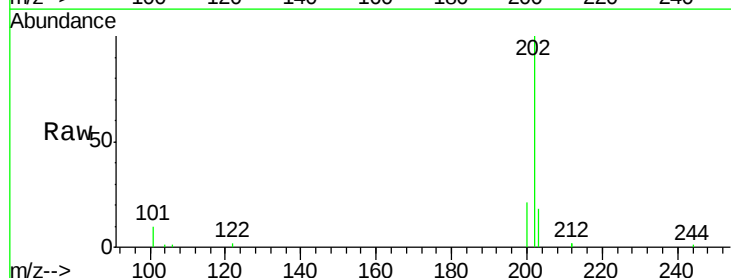


Abundance Ion 240.00 (239.70 to 240.70): E
 Ion 120.00 (119.70 to 120.70): E
 Ion 236.00 (235.70 to 236.70): E

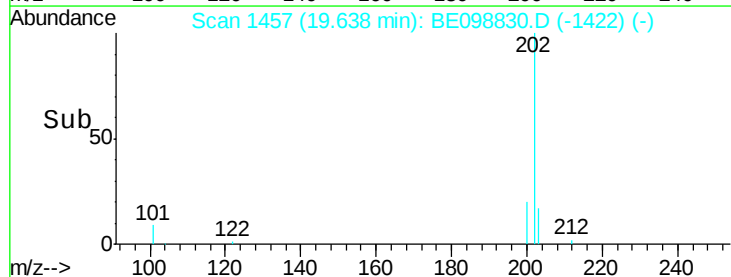
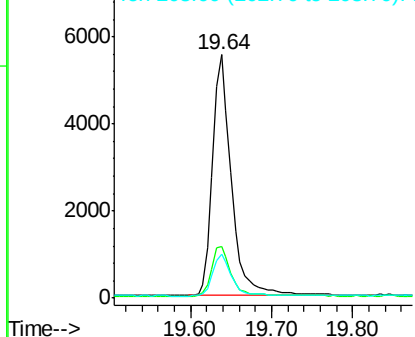


#28
 Pyrene
 Concen: 0.402 ng
 RT: 19.64 min Scan# 1457
 Delta R.T. 0.00 min
 Lab File: BE098830.D
 Acq: 8 Mar 2019 10:03

Tgt Ion: 202 Resp: 8996
 Ion Ratio Lower Upper
 202 100
 200 20.7 17.0 25.6
 203 17.6 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: 0.382 ng

RT: 19.84 min Scan# 1493

Delta R.T. 0.00 min

Lab File: BE098830.D

Acq: 8 Mar 2019 10:03

Instrument :

BNA_E

ClientSampleId :

PB117716BS

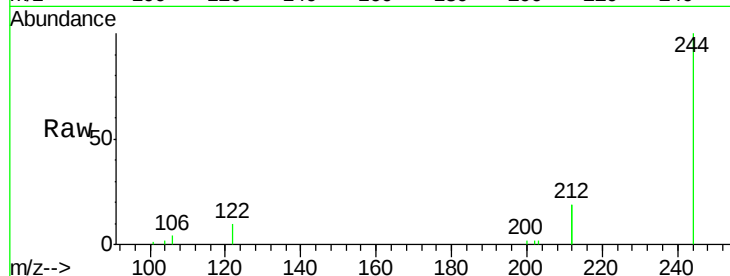
Tgt Ion:244 Resp: 6785

Ion Ratio Lower Upper

244 100

212 37.9 29.4 44.2

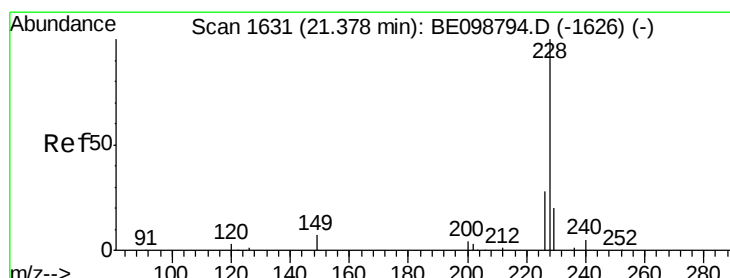
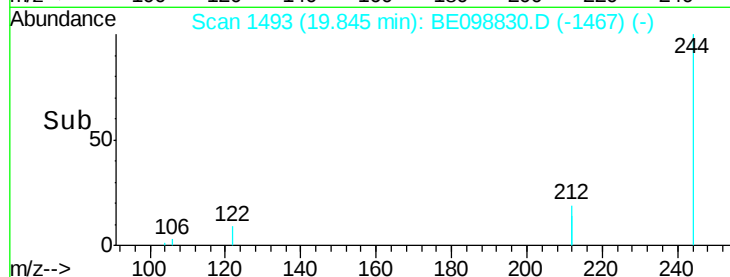
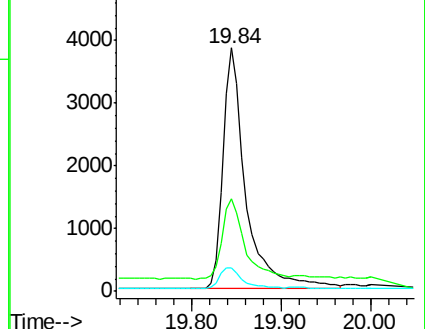
122 9.8 7.1 10.7



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: 0.400 ng

RT: 21.38 min Scan# 1631

Delta R.T. 0.00 min

Lab File: BE098830.D

Acq: 8 Mar 2019 10:03

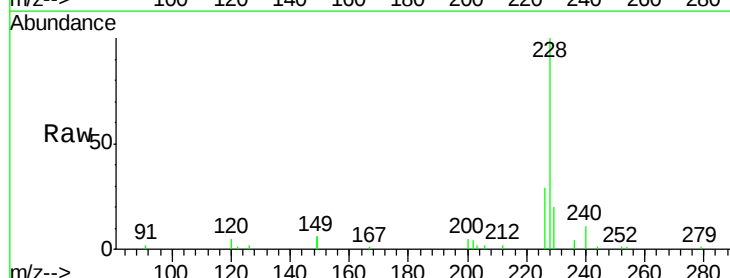
Tgt Ion:228 Resp: 9140

Ion Ratio Lower Upper

228 100

226 28.7 23.0 34.4

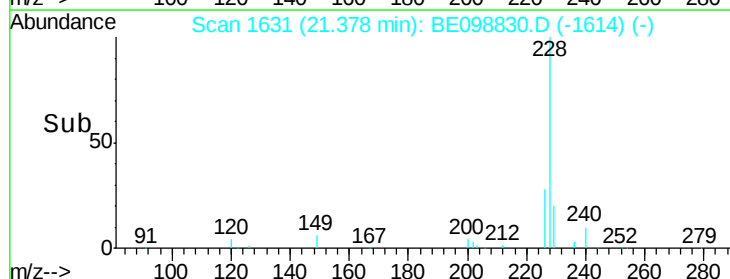
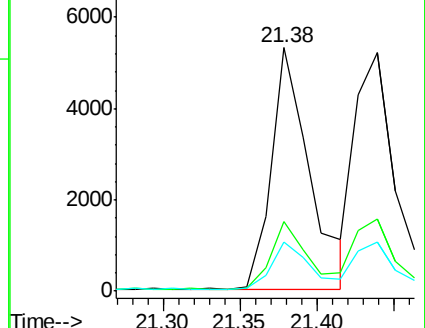
229 20.3 16.5 24.7



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: 0.374 ng

RT: 21.44 min Scan# 1636

Delta R.T. 0.00 min

Lab File: BE098830.D

Acq: 8 Mar 2019 10:03

Instrument :

BNA_E

ClientSampleId :

PB117716BS

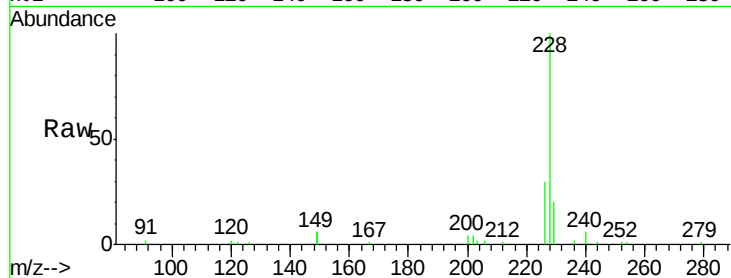
Tgt Ion:228 Resp: 9137

Ion Ratio Lower Upper

228 100

226 30.0 23.7 35.5

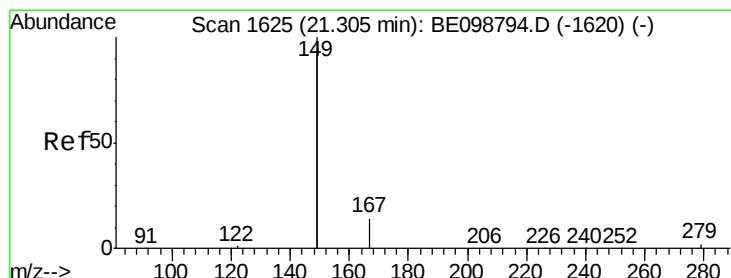
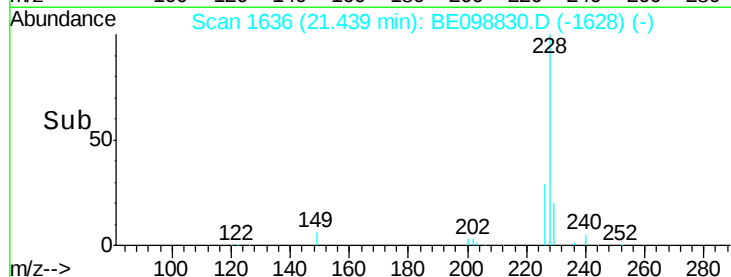
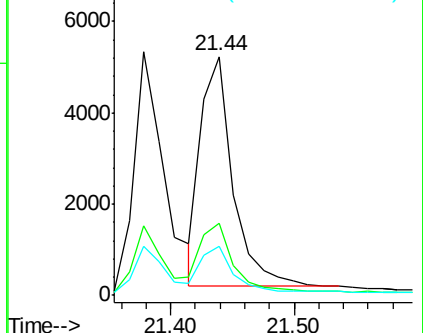
229 20.3 16.1 24.1



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: 0.331 ng

RT: 21.29 min Scan# 1624

Delta R.T. -0.01 min

Lab File: BE098830.D

Acq: 8 Mar 2019 10:03

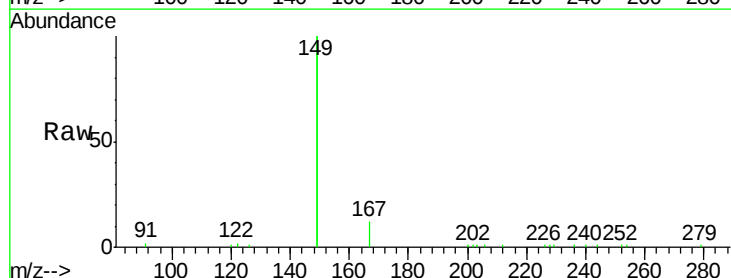
Tgt Ion:149 Resp: 16097

Ion Ratio Lower Upper

149 100

167 6.7 5.4 8.0

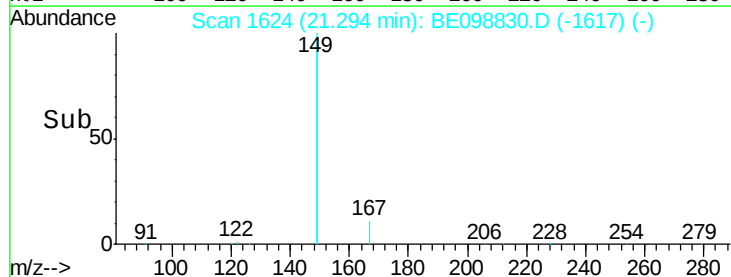
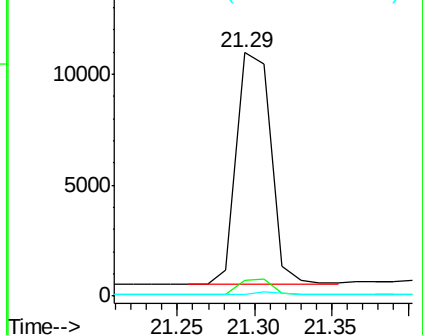
279 1.2 1.0 1.4



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: 26.53 min Scan# 2943

Delta R.T. -0.01 min

Lab File: BE098830.D

Acq: 8 Mar 2019 10:03

Instrument :

BNA_E

ClientSampleId :

PB117716BS

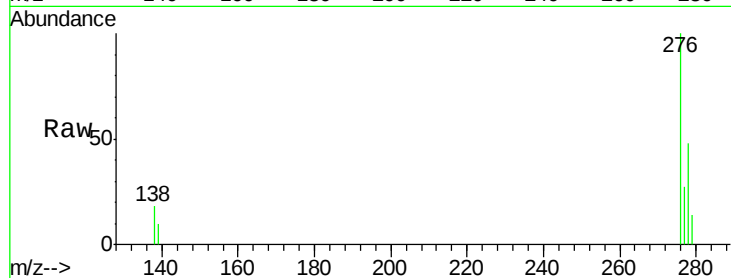
Tgt Ion:276 Resp: 10291

Ion Ratio Lower Upper

276 100

138 17.4 13.8 20.8

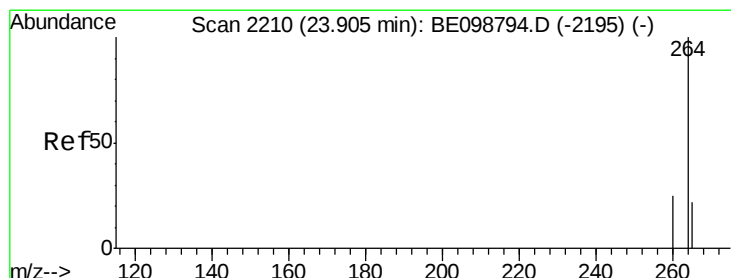
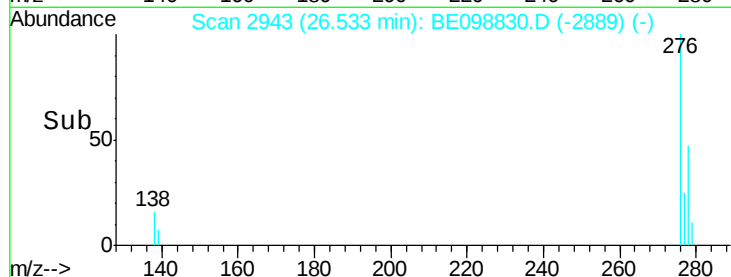
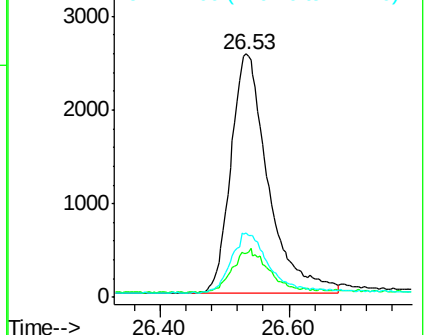
277 24.9 19.5 29.3



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# 2208

Delta R.T. -0.01 min

Lab File: BE098830.D

Acq: 8 Mar 2019 10:03

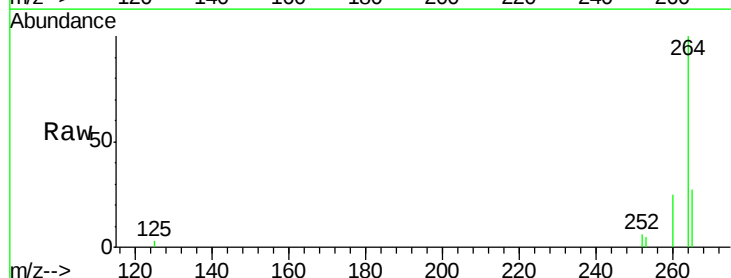
Tgt Ion:264 Resp: 7151

Ion Ratio Lower Upper

264 100

260 24.9 21.2 31.8

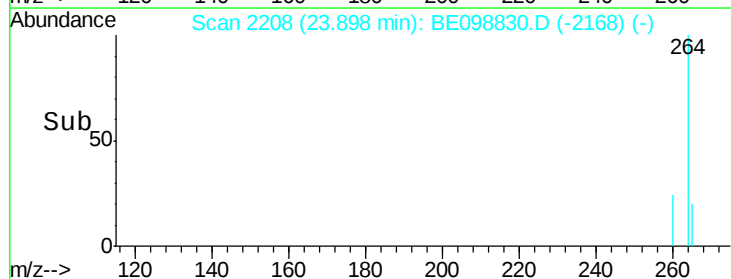
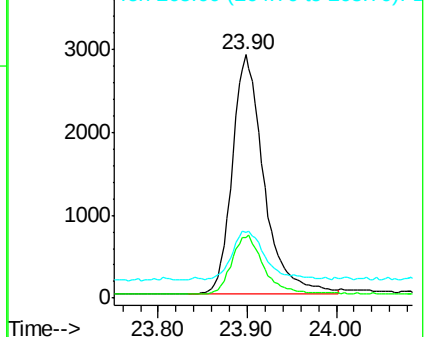
265 27.2 24.6 36.8



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: 0.386 ng

RT: 23.13 min Scan# 1992

Delta R.T. -0.00 min

Lab File: BE098830.D

Acq: 8 Mar 2019 10:03

Instrument :

BNA_E

ClientSampleId :

PB117716BS

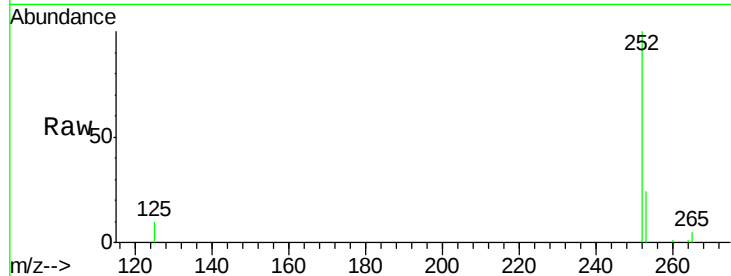
Tgt Ion:252 Resp: 9085

Ion Ratio Lower Upper

252 100

253 24.2 18.2 27.2

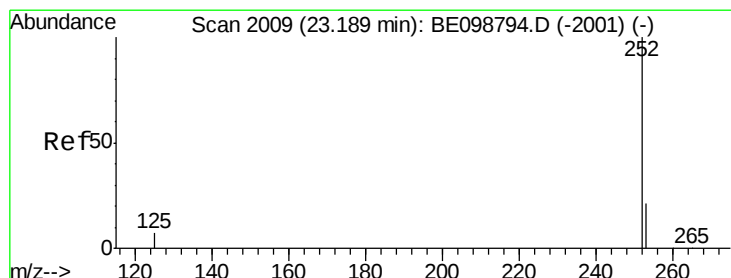
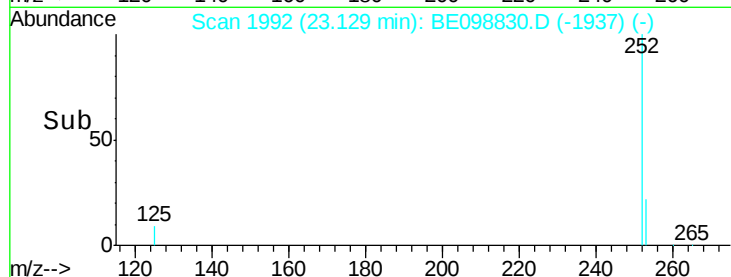
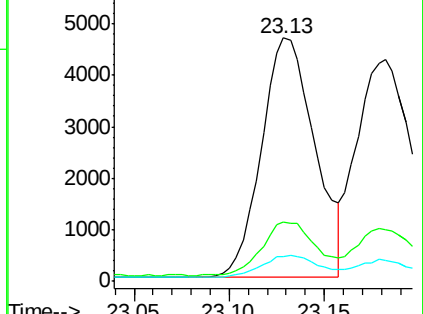
125 10.2 7.3 10.9



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: 0.386 ng

RT: 23.18 min Scan# 2007

Delta R.T. -0.01 min

Lab File: BE098830.D

Acq: 8 Mar 2019 10:03

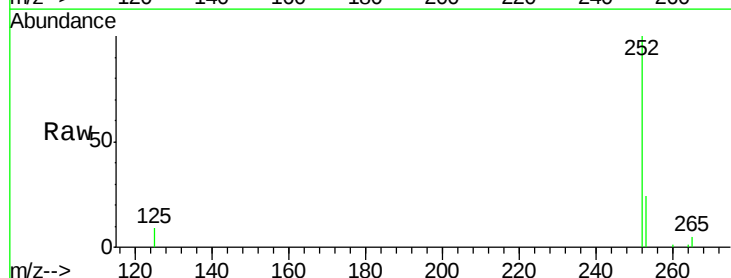
Tgt Ion:252 Resp: 9503

Ion Ratio Lower Upper

252 100

253 23.5 19.3 28.9

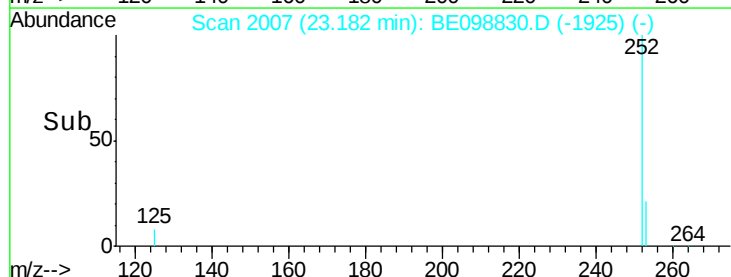
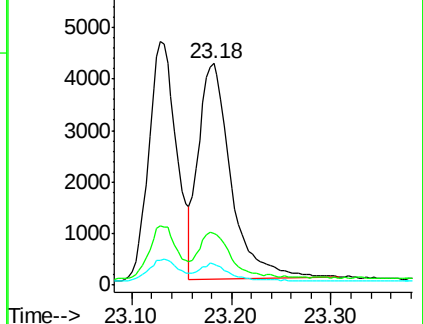
125 9.2 7.5 11.3

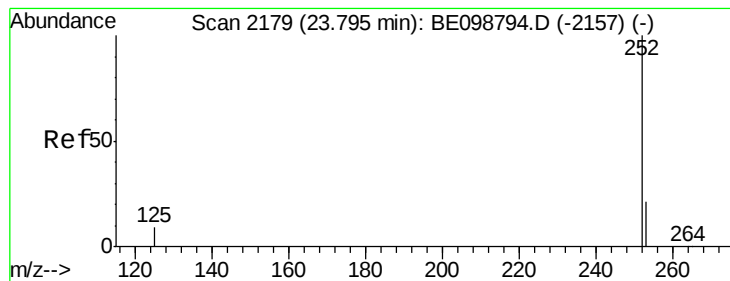


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#37

Benzo(a)pyrene

Concen: 0.387 ng

RT: 23.78 min Scan# 2176

Delta R.T. -0.01 min

Lab File: BE098830.D

Acq: 8 Mar 2019 10:03

Instrument :

BNA_E

ClientSampleId :

PB117716BS

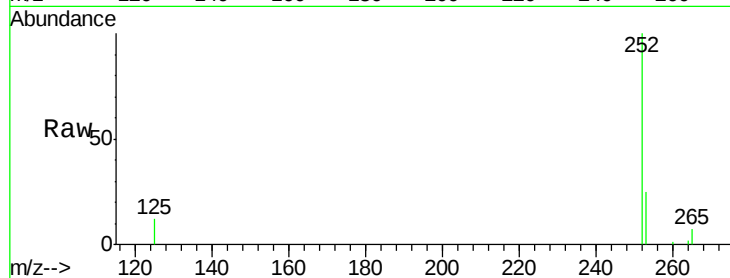
Tgt Ion:252 Resp: 8726

Ion Ratio Lower Upper

252 100

253 25.3 19.9 29.9

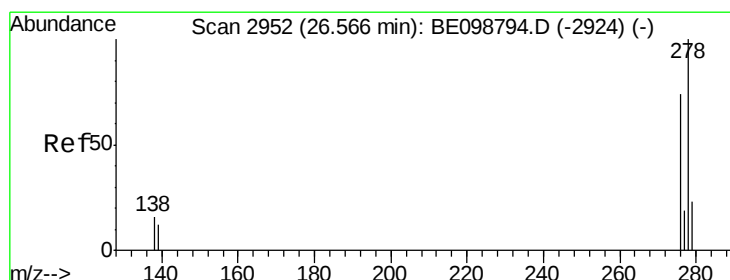
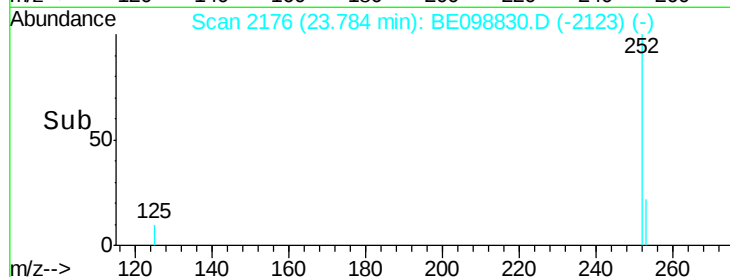
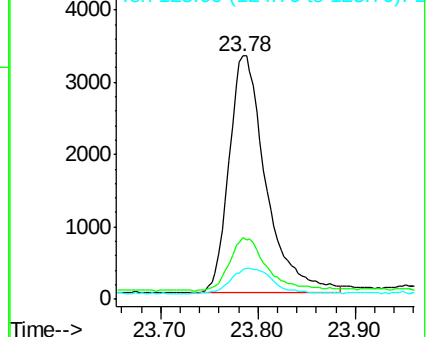
125 12.2 9.0 13.4



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: 26.55 min Scan# 2949

Delta R.T. -0.01 min

Lab File: BE098830.D

Acq: 8 Mar 2019 10:03

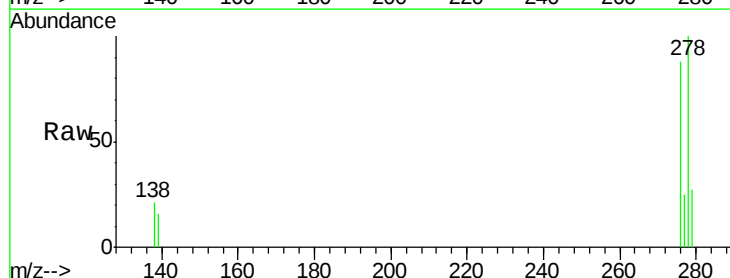
Tgt Ion:278 Resp: 8275

Ion Ratio Lower Upper

278 100

139 15.9 11.8 17.6

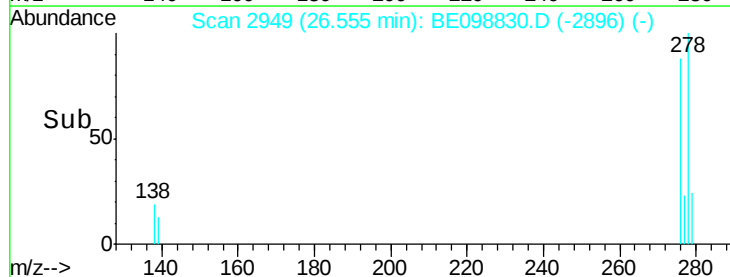
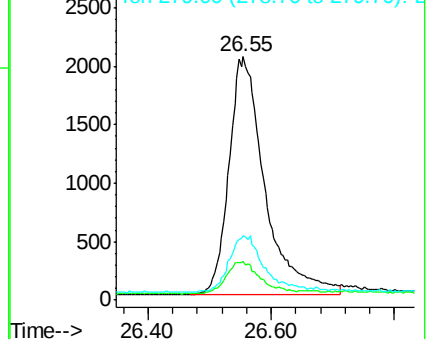
279 26.6 21.1 31.7

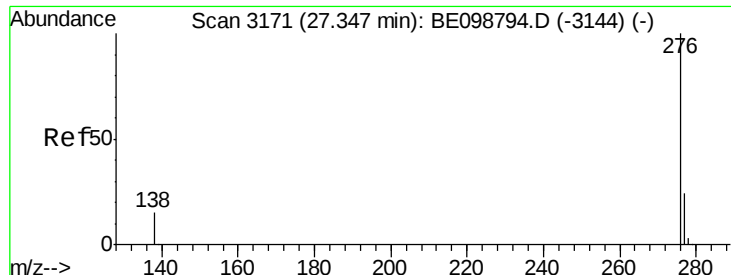


Abundance Ion 278.00 (277.70 to 278.70): E

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: 0.386 ng

RT: 27.34 min Scan# 3169

Delta R.T. -0.01 min

Lab File: BE098830.D

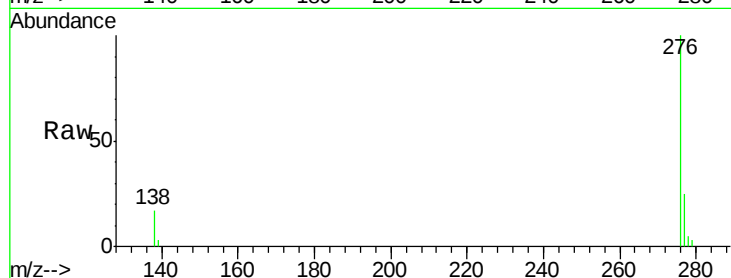
Acq: 8 Mar 2019 10:03

Instrument :

BNA_E

ClientSampleId :

PB117716BS



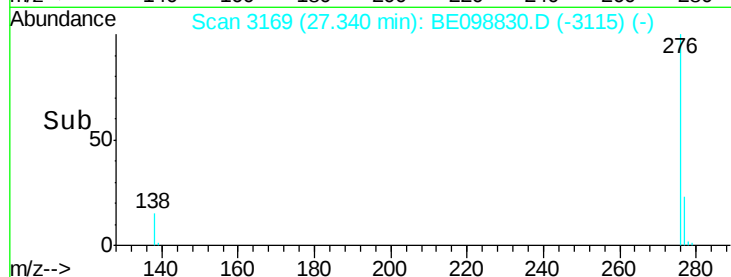
Tgt Ion: 276 Resp: 8621

Ion Ratio Lower Upper

276 100

277 25.3 20.4 30.6

138 16.7 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

