

Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE011819\
 Data File : BE098668.D
 Acq On : 18 Jan 2019 17:03
 Operator : SJ/JU
 Sample : PB116504BSD
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 PB116504BSD

Quant Time: Jan 18 21:21:35 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA E\METHODS\8270-SIM-BE011519.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Jan 15 14:30:55 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.80	152	1001	0.40	ng	0.00
7) Naphthalene-d8	10.60	136	4661	0.40	ng	0.00
13) Acenaphthene-d10	14.47	164	3049	0.40	ng	0.00
19) Phenanthrene-d10	17.23	188	7564	0.40	ng	0.00
27) Chrysene-d12	21.41	240	8869	0.40	ng	0.00
34) Perylene-d12	23.93	264	8278	0.40	ng	0.00

System Monitoring Compounds						
4) 2-Fluorophenol	5.40	112	985	0.37	ng	0.00
5) Phenol-d6	7.00	99	1412	0.37	ng	0.00
8) Nitrobenzene-d5	8.98	82	1354	0.37	ng	0.01
11) 2-Methylnaphthalene-d10	12.21	152	2549	0.33	ng	0.00
14) 2,4,6-Tribromophenol	15.97	330	493	0.37	ng	0.00
15) 2-Fluorobiphenyl	13.10	172	4114	0.33	ng	0.01
25) Fluoranthene-d10	19.26	212	30973	0.33	ng	0.00
29) Terphenyl-d14	19.86	244	6383	0.33	ng	0.00

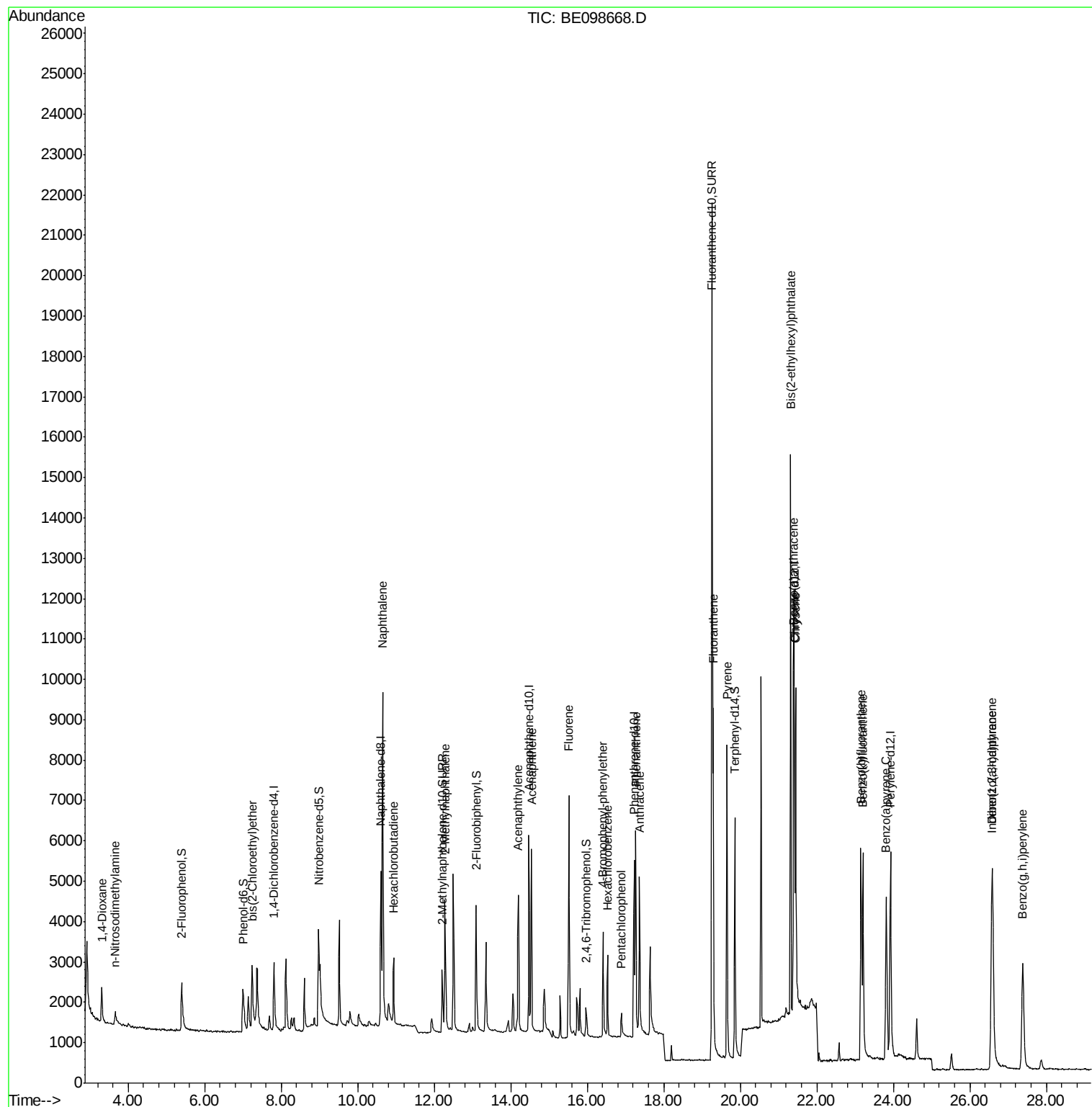
Target Compounds				Qvalue		
2) 1,4-Dioxane	3.31	88	679	0.362	ng	89
3) n-Nitrosodimethylamine	3.66	42	484	0.355	ng	# 97
6) bis(2-Chloroethyl)ether	7.24	93	923	0.321	ng	98
9) Naphthalene	10.65	128	15305	0.330	ng	100
10) Hexachlorobutadiene	10.94	225	1182	0.356	ng	96
12) 2-Methylnaphthalene	12.28	142	2621	0.341	ng	98
16) Acenaphthylene	14.20	152	4373	0.331	ng	98
17) Acenaphthene	14.54	154	2852	0.344	ng	97
18) Fluorene	15.51	166	3598	0.334	ng	97
20) 4-Bromophenyl-phenylether	16.41	248	1283	0.320	ng	90
21) Hexachlorobenzene	16.53	284	1615	0.334	ng	97
22) Pentachlorophenol	16.89	266	453	0.430	ng	95
23) Phenanthrene	17.27	178	5897	0.329	ng	99
24) Anthracene	17.36	178	4811	0.313	ng	99
26) Fluoranthene	19.29	202	7534	0.327	ng	99
28) Pyrene	19.65	202	7909	0.324	ng	100
30) Benzo(a)anthracene	21.39	228	7838	0.329	ng	98
31) Chrysene	21.45	228	7942	0.321	ng	98
32) Bis(2-ethylhexyl)phthalate	21.32	149	15247	0.301	ng	99
33) Indeno(1,2,3-cd)pyrene	26.57	276	8421	0.330	ng	98
35) Benzo(b)fluoranthene	23.15	252	7562	0.335	ng	# 95
36) Benzo(k)fluoranthene	23.20	252	8541	0.346	ng	99
37) Benzo(a)pyrene	23.81	252	7565	0.341	ng	98
38) Dibenzo(a,h)anthracene	26.59	278	7074	0.360	ng	# 95
39) Benzo(g,h,i)perylene	27.38	276	7282	0.338	ng	98

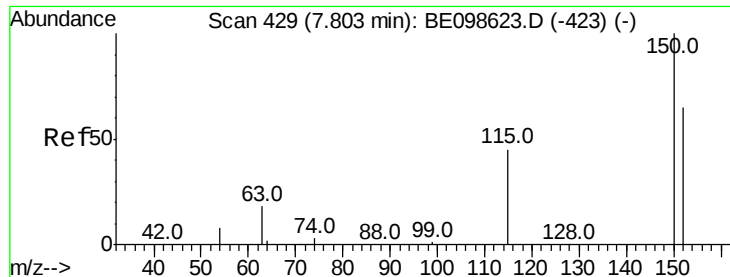
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 0.400 ng

RT: 7.80 min Scan# 429

Delta R.T. 0.00 min

Lab File: BE098668.D

Acq: 18 Jan 2019 17:03

Instrument :

BNA_E

ClientSampleId :

PB116504BSD

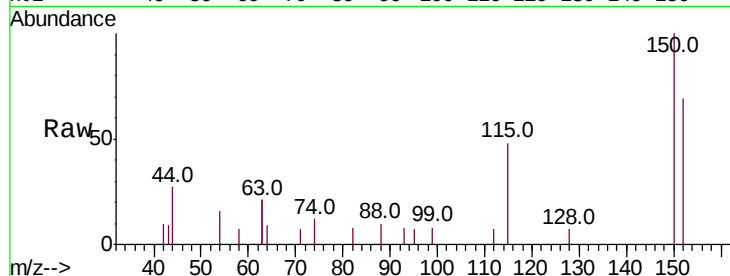
Tot Ion:152 Resp: 1001

Ion Ratio Lower Upper

152 100

150 143.9 121.4 182.2

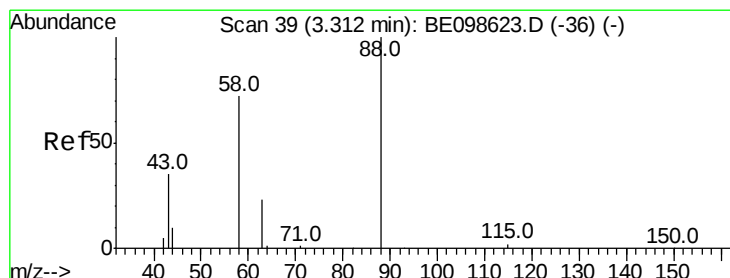
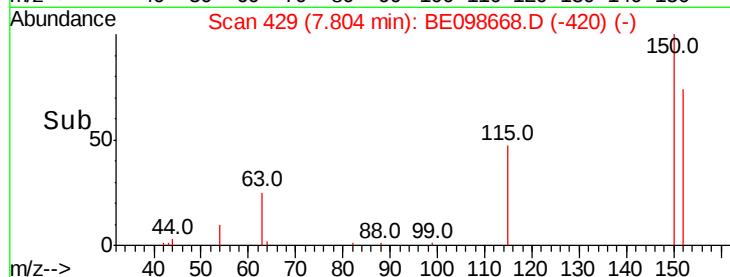
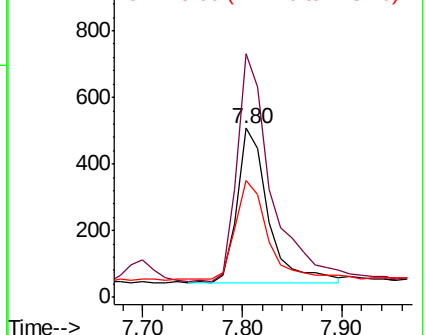
115 68.7 59.1 88.7



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: 0.362 ng

RT: 3.31 min Scan# 39

Delta R.T. 0.00 min

Lab File: BE098668.D

Acq: 18 Jan 2019 17:03

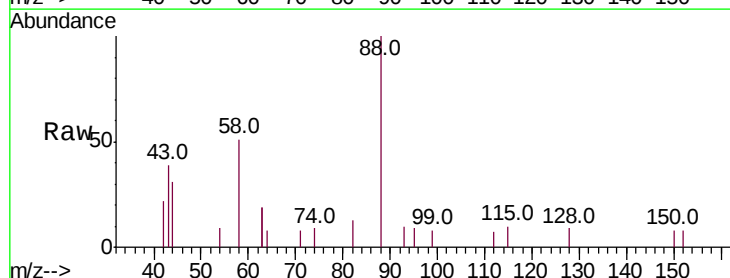
Tgt Ion: 88 Resp: 679

Ion Ratio Lower Upper

88 100

58 81.7 73.9 110.9

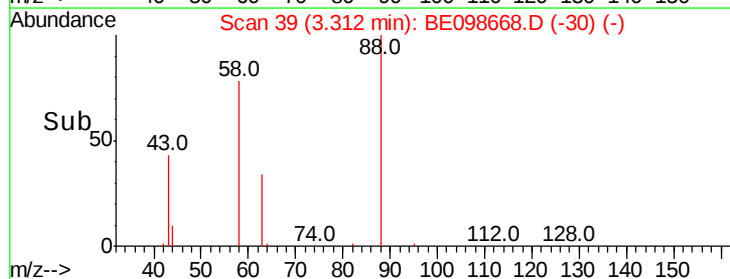
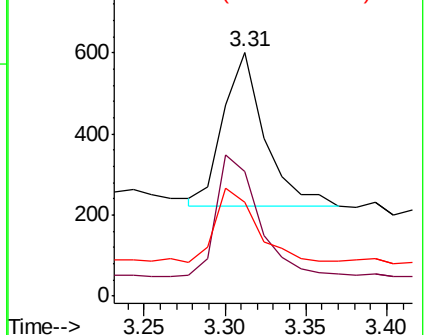
43 47.0 43.7 65.5

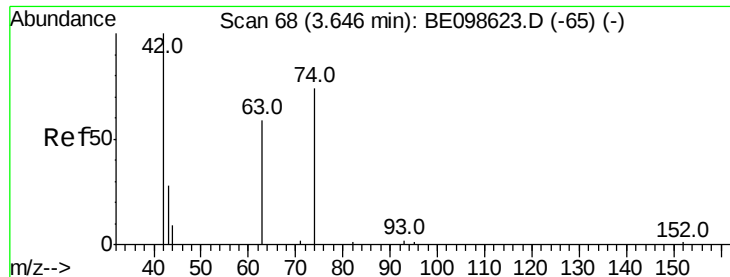


Abundance Ion 88.00 (87.70 to 88.70): BE0

Ion 58.00 (57.70 to 58.70): BE0

Ion 43.00 (42.70 to 43.70): BE0





#3

n-Nitrosodimethylamine

Concen: 0.355 ng

RT: 3.66 min Scan# 69

Delta R.T. 0.01 min

Lab File: BE098668.D

Acq: 18 Jan 2019 17:03

Instrument :

BNA_E

ClientSampleId :

PB116504BSD

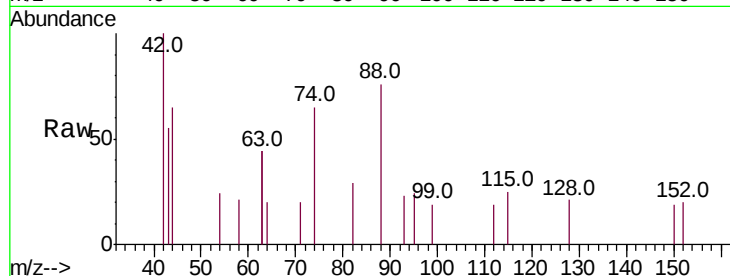
Tot Ion: 42 Resp: 484

Ion Ratio Lower Upper

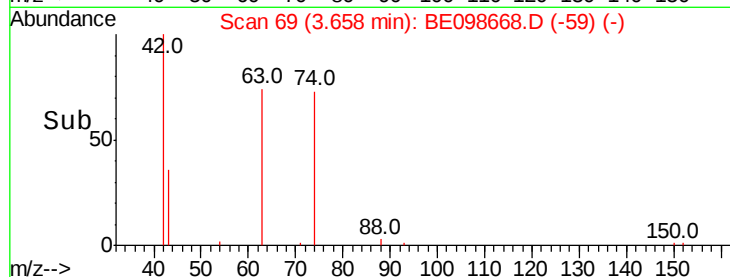
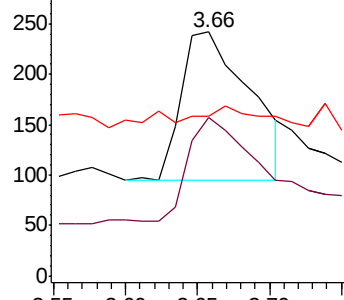
42 100

74 71.1 58.9 88.3

44 6.6 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: 0.369 ng

RT: 5.40 min Scan# 220

Delta R.T. 0.00 min

Lab File: BE098668.D

Acq: 18 Jan 2019 17:03

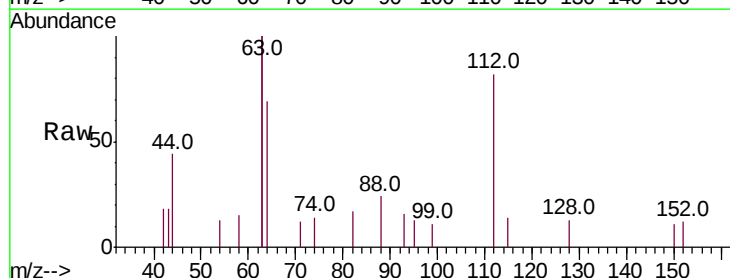
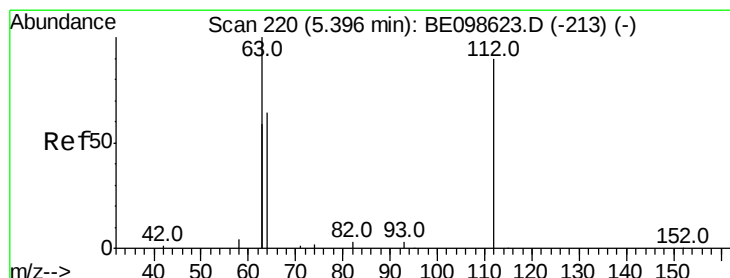
Tgt Ion: 112 Resp: 985

Ion Ratio Lower Upper

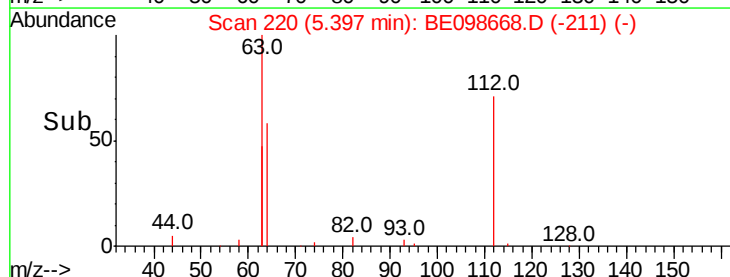
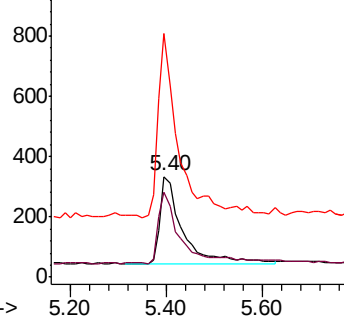
112 100

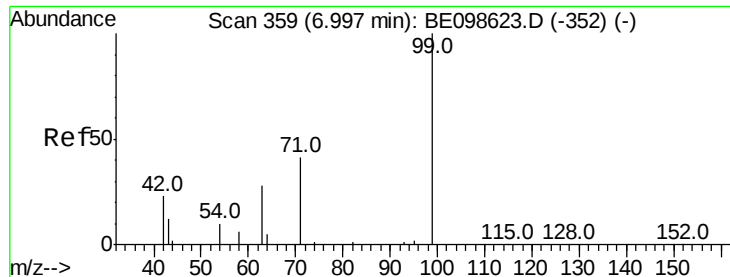
64 74.6 62.9 94.3

63 176.8 152.2 228.4



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: 0.371 ng

RT: 7.00 min Scan# 359

Delta R.T. 0.00 min

Lab File: BE098668.D

Acq: 18 Jan 2019 17:03

Instrument :

BNA_E

ClientSampleId :

PB116504BSD

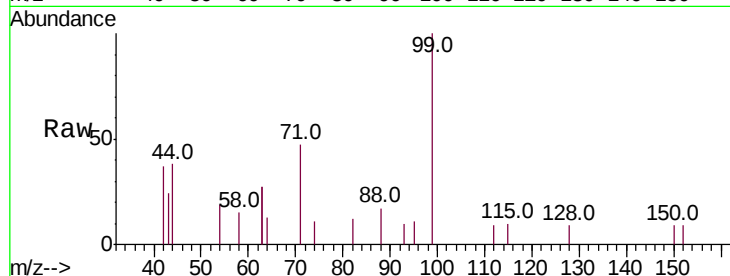
Tot Ion: 99 Resp: 1412

Ion Ratio Lower Upper

99 100

42 32.4 24.6 37.0

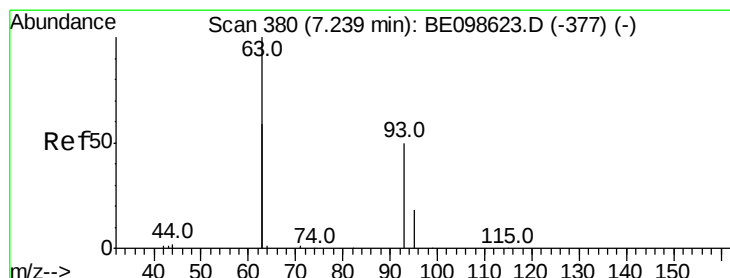
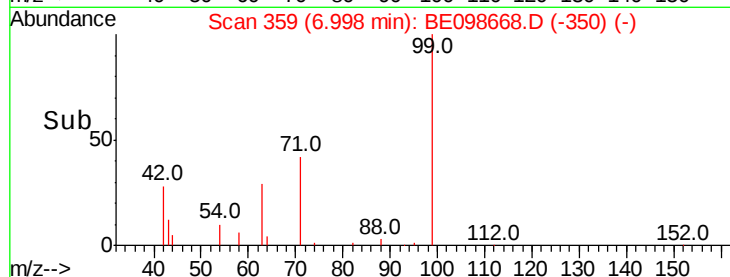
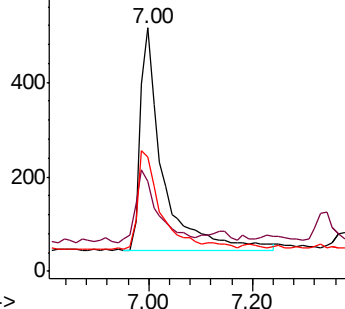
71 44.6 35.1 52.7



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: 0.321 ng

RT: 7.24 min Scan# 380

Delta R.T. 0.00 min

Lab File: BE098668.D

Acq: 18 Jan 2019 17:03

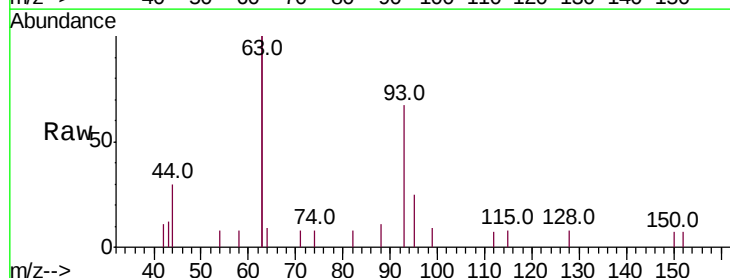
Tgt Ion: 93 Resp: 923

Ion Ratio Lower Upper

93 100

63 337.9 267.3 400.9

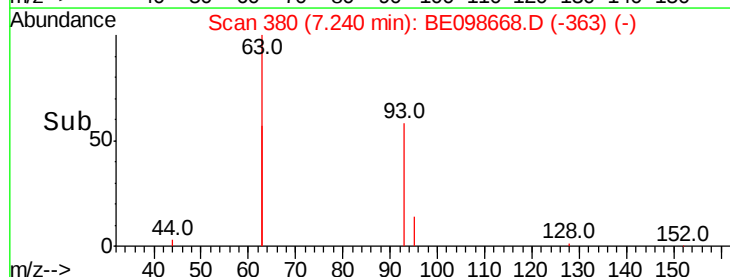
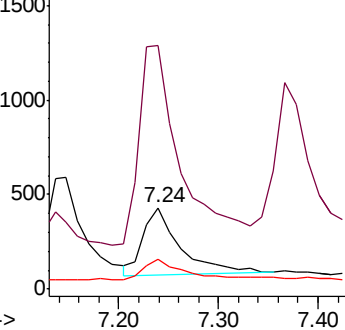
95 35.0 26.2 39.4

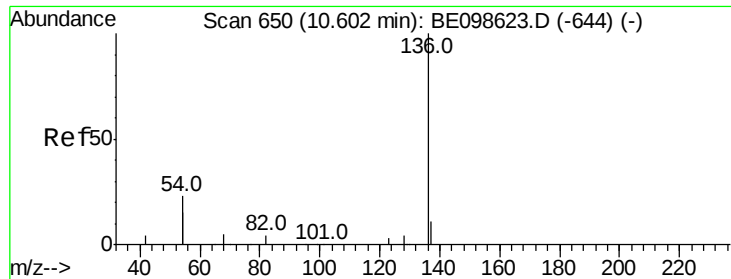


Abundance Ion 93.00 (92.70 to 93.70): BE0

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. -0.00 min

Lab File: BE098668.D

Acq: 18 Jan 2019 17:03

Instrument :

BNA_E

ClientSampleId :

PB116504BSD

Tot Ion:136 Resp: 4661

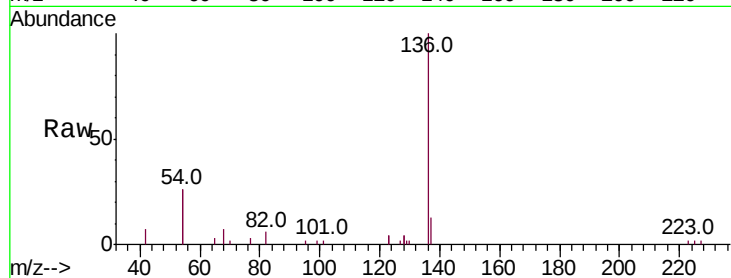
Ion Ratio Lower Upper

136 100

137 12.7 9.7 14.5

54 52.5 35.5 53.3

68 7.4 5.0 7.6

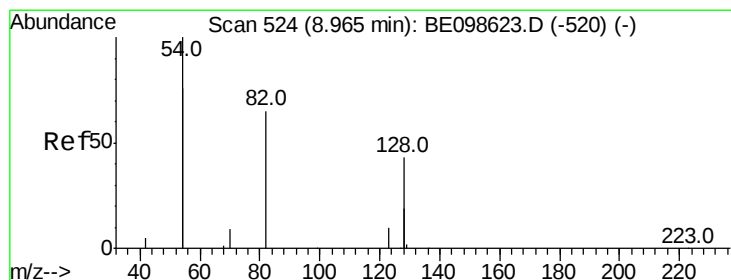
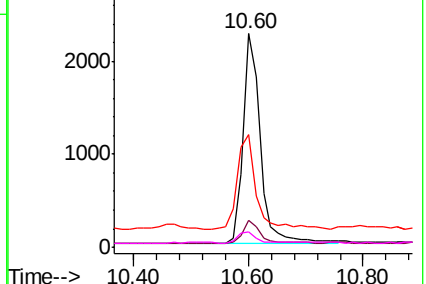
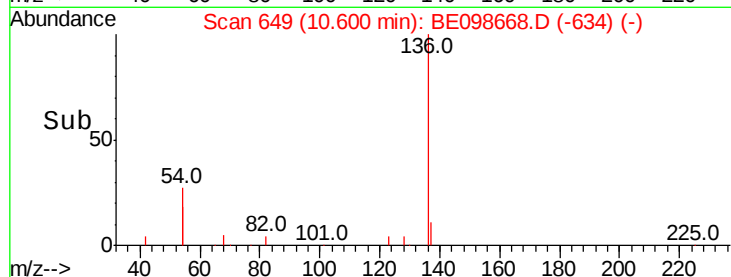


Abundance Ion 136.00 (135.70 to 136.70): E

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: 0.366 ng

RT: 8.98 min Scan# 524

Delta R.T. 0.01 min

Lab File: BE098668.D

Acq: 18 Jan 2019 17:03

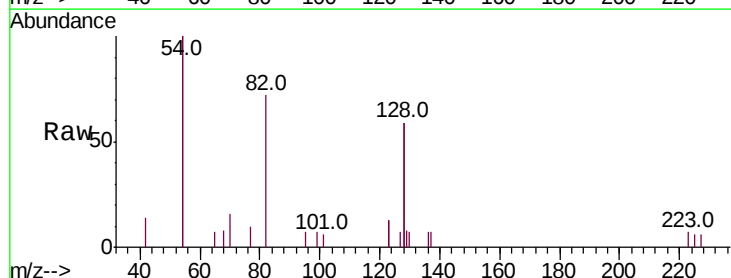
Tgt Ion: 82 Resp: 1354

Ion Ratio Lower Upper

82 100

128 162.9 96.5 144.7#

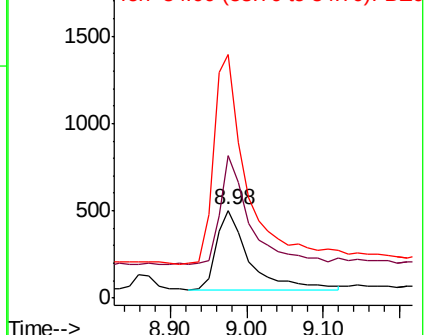
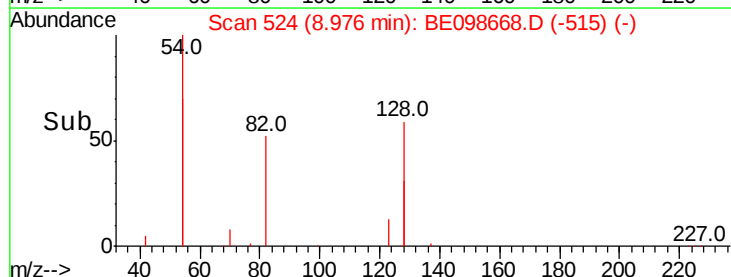
54 278.2 224.7 337.1

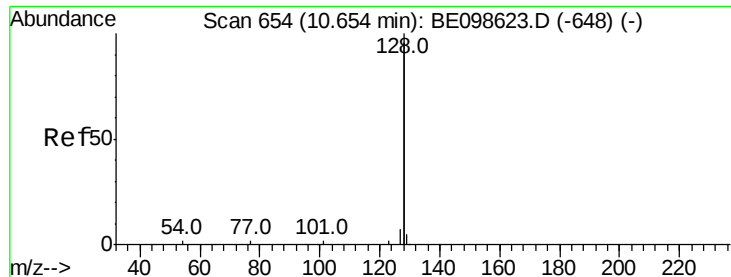


Abundance Ion 82.00 (81.70 to 82.70): BE0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BE0





#9

Naphthalene

Concen: 0.330 ng

RT: 10.65 min Scan# 653

Delta R.T. -0.00 min

Lab File: BE098668.D

Acq: 18 Jan 2019 17:03

Instrument :

BNA_E

ClientSampleId :

PB116504BSD

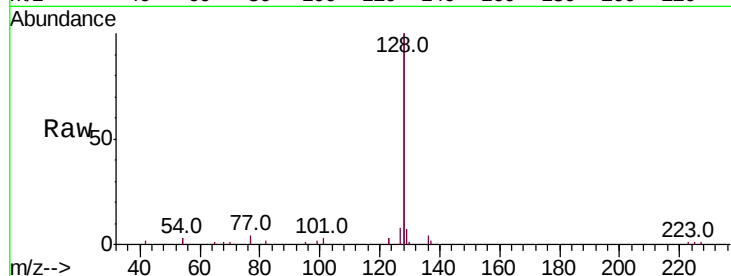
Tot Ion:128 Resp: 15305

Ion Ratio Lower Upper

128 100

129 3.3 2.6 3.8

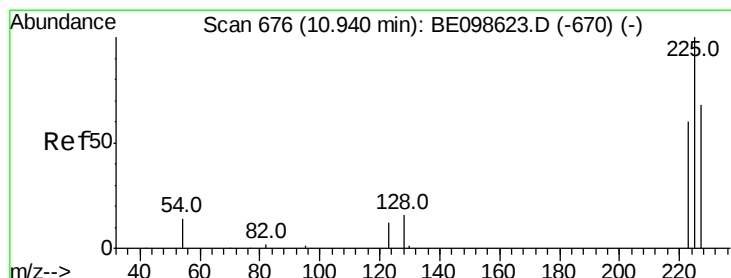
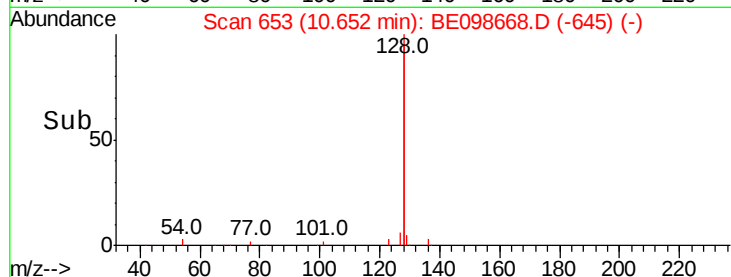
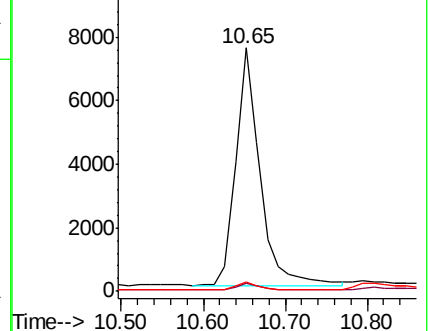
127 3.8 3.0 4.6



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: 0.356 ng

RT: 10.94 min Scan# 675

Delta R.T. -0.00 min

Lab File: BE098668.D

Acq: 18 Jan 2019 17:03

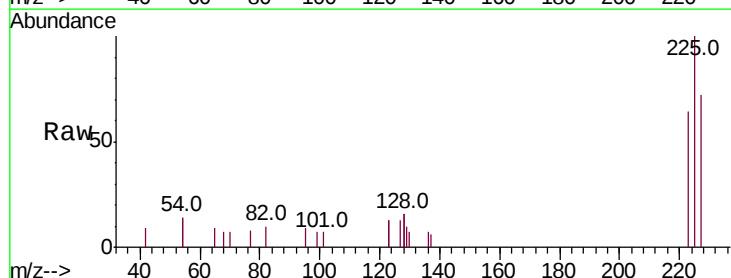
Tgt Ion:225 Resp: 1182

Ion Ratio Lower Upper

225 100

223 64.6 47.8 71.8

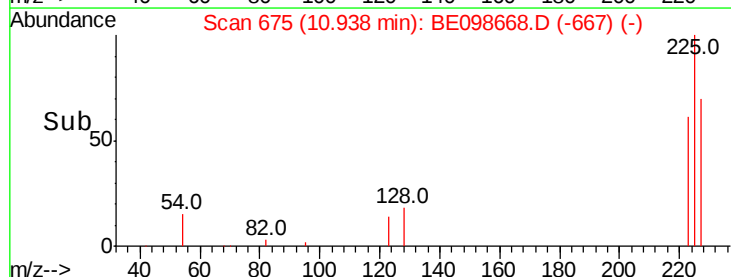
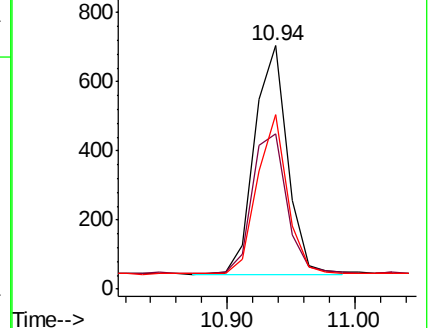
227 64.1 50.5 75.7

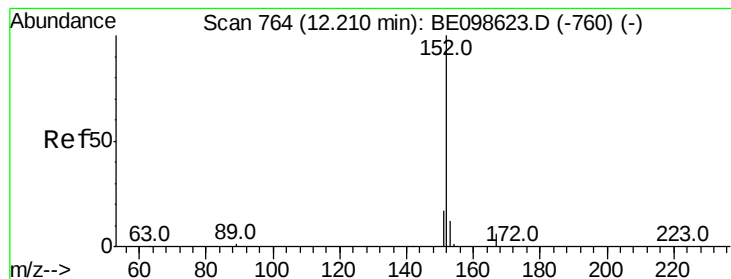


Abundance Ion 225.00 (224.70 to 225.70): E

Ion 223.00 (222.70 to 223.70): E

Ion 227.00 (226.70 to 227.70): E





#11

2-Methylnaphthalene-d10

Concen: 0.332 ng

RT: 12.21 min Scan# 763

Delta R.T. 0.00 min

Lab File: BE098668.D

Acq: 18 Jan 2019 17:03

Instrument :

BNA_E

ClientSampleId :

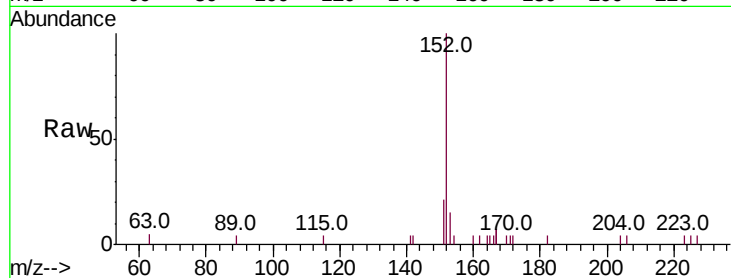
PB116504BSD

Tot Ion:152 Resp: 2549

Ion Ratio Lower Upper

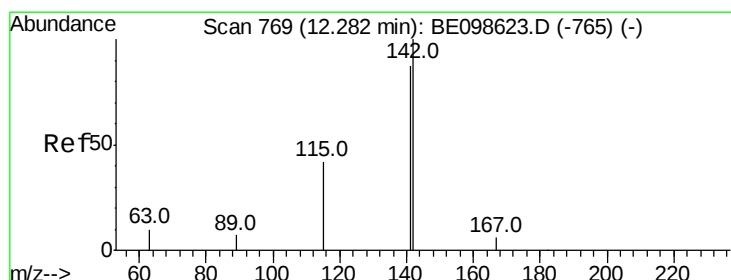
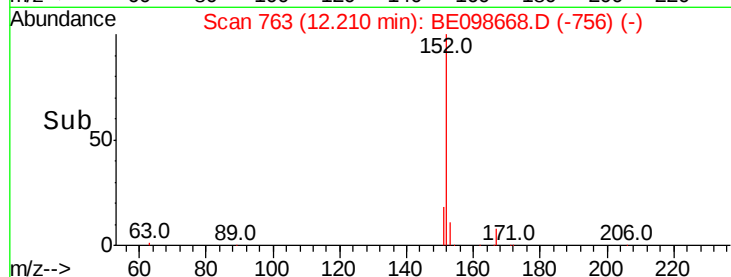
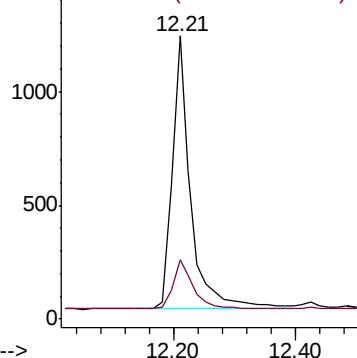
152 100

151 19.4 16.2 24.4



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E



#12

2-Methylnaphthalene

Concen: 0.341 ng

RT: 12.28 min Scan# 768

Delta R.T. 0.00 min

Lab File: BE098668.D

Acq: 18 Jan 2019 17:03

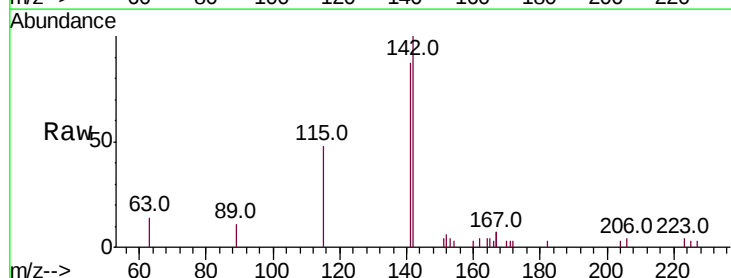
Tgt Ion:142 Resp: 2621

Ion Ratio Lower Upper

142 100

141 87.2 70.0 105.0

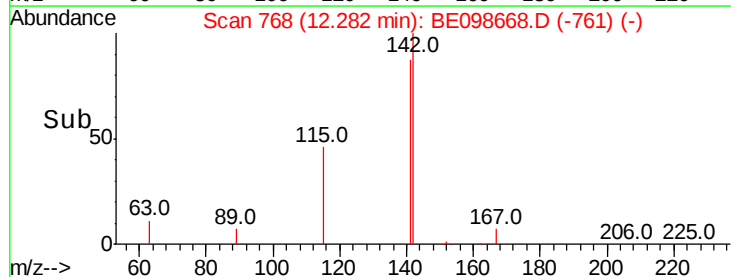
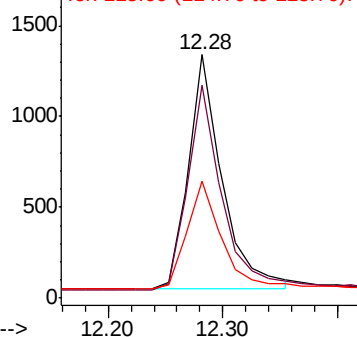
115 47.9 35.2 52.8

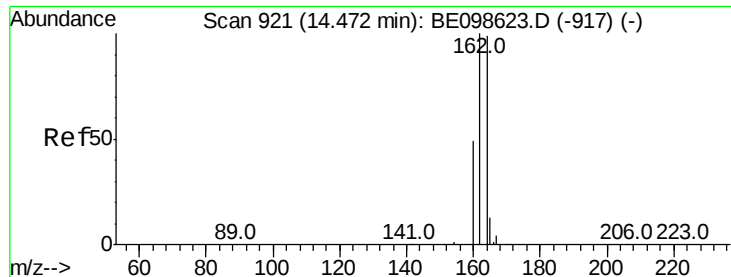


Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 115.00 (114.70 to 115.70): E

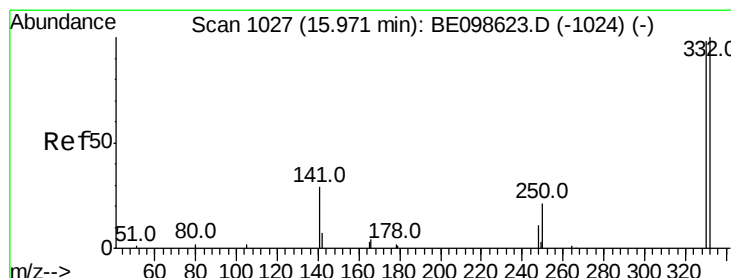
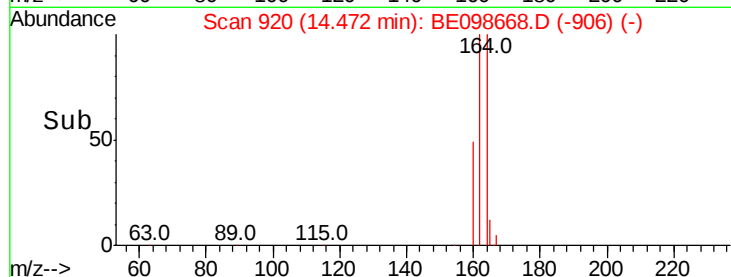
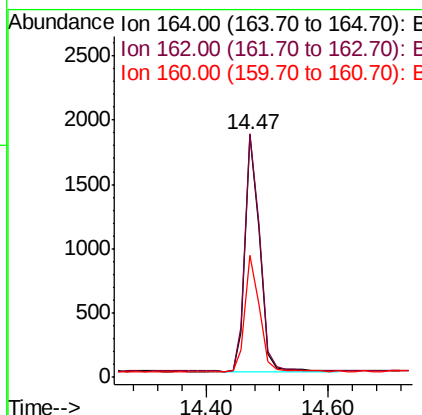
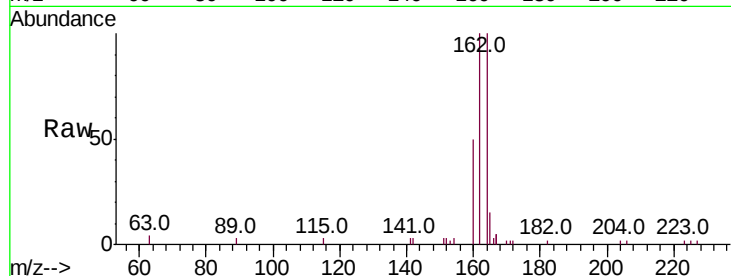




#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.47 min Scan# 920
Delta R.T. 0.00 min
Lab File: BE098668.D
Acq: 18 Jan 2019 17:03

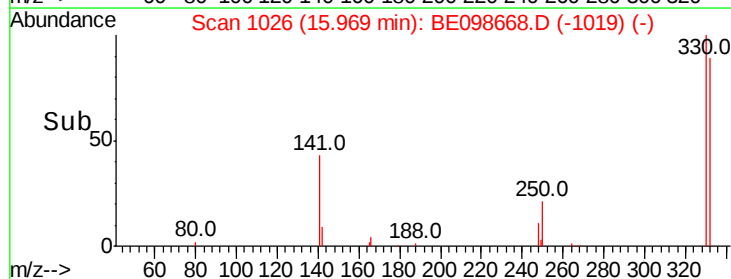
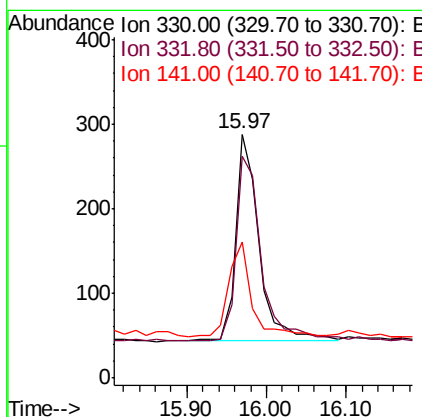
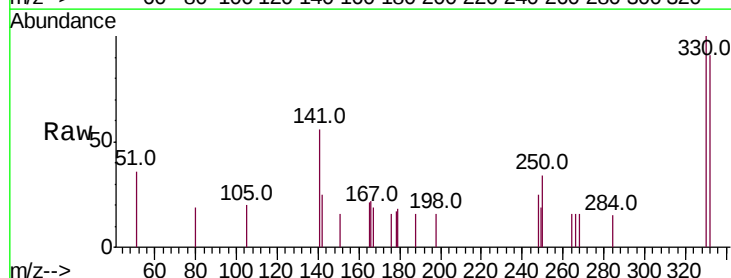
Instrument :
BNA_E
ClientSampleId :
PB116504BSD

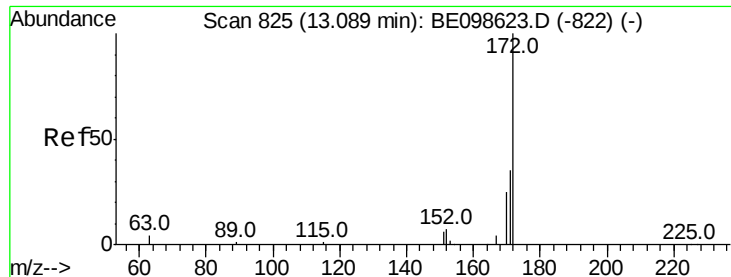
Tot Ion:164 Resp: 3049
Ion Ratio Lower Upper
164 100
162 100.5 80.5 120.7
160 50.3 40.1 60.1



#14
2,4,6-Tribromophenol
Concen: 0.372 ng
RT: 15.97 min Scan# 1026
Delta R.T. -0.00 min
Lab File: BE098668.D
Acq: 18 Jan 2019 17:03

Tgt Ion:330 Resp: 493
Ion Ratio Lower Upper
330 100
332 99.0 73.3 109.9
141 45.2 33.1 49.7

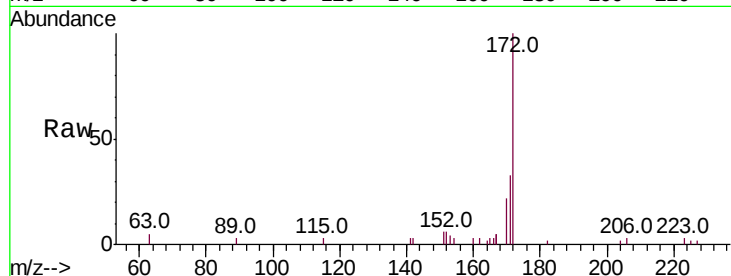




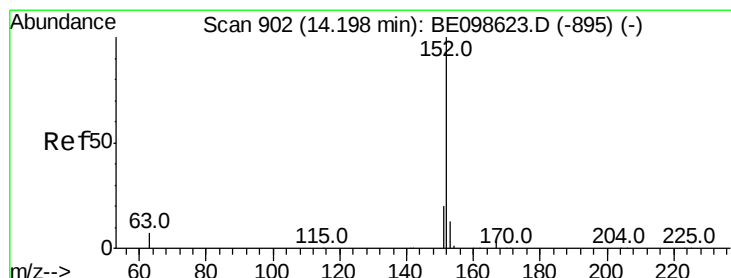
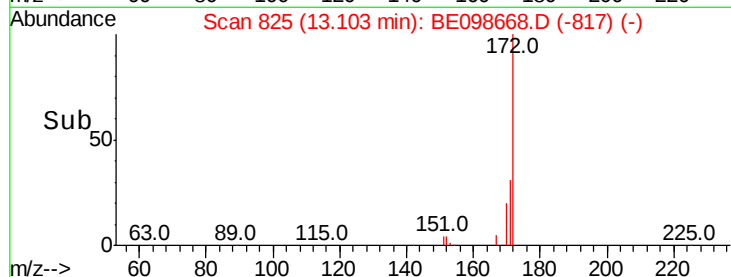
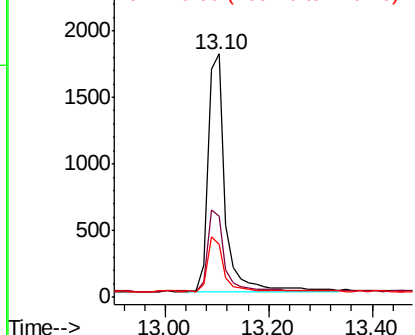
#15
2-Fluorobiphenyl
Concen: 0.329 ng
RT: 13.10 min Scan# 825
Delta R.T. 0.01 min
Lab File: BE098668.D
Acq: 18 Jan 2019 17:03

Instrument :
BNA_E
ClientSampleId :
PB116504BSD

Tot Ion:172 Resp: 4114
Ion Ratio Lower Upper
172 100
171 33.0 29.0 43.4
170 22.0 20.8 31.2

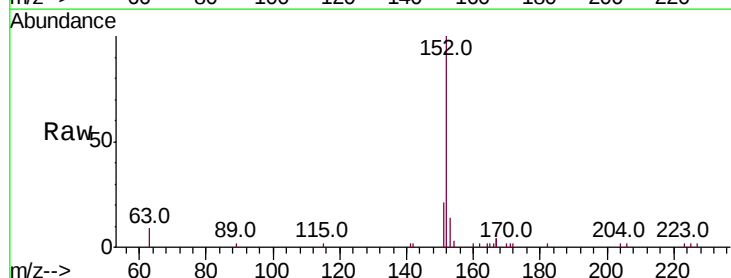


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

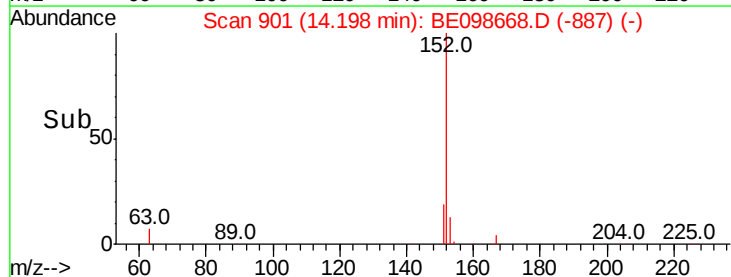
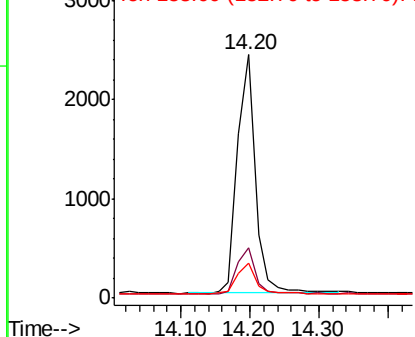


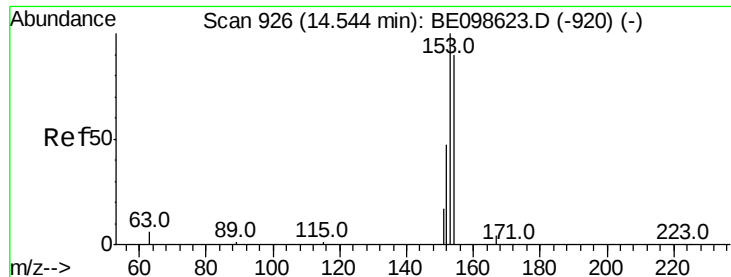
#16
Acenaphthylene
Concen: 0.331 ng
RT: 14.20 min Scan# 901
Delta R.T. 0.00 min
Lab File: BE098668.D
Acq: 18 Jan 2019 17:03

Tgt Ion:152 Resp: 4373
Ion Ratio Lower Upper
152 100
151 19.4 16.3 24.5
153 13.2 10.7 16.1



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

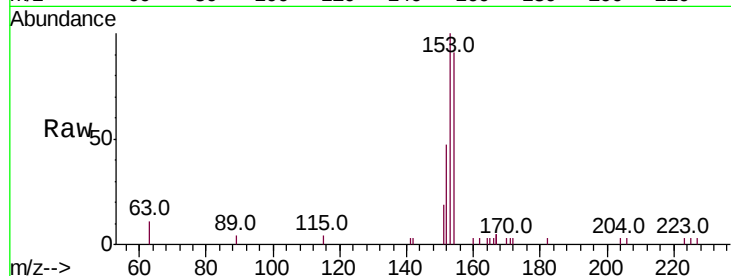




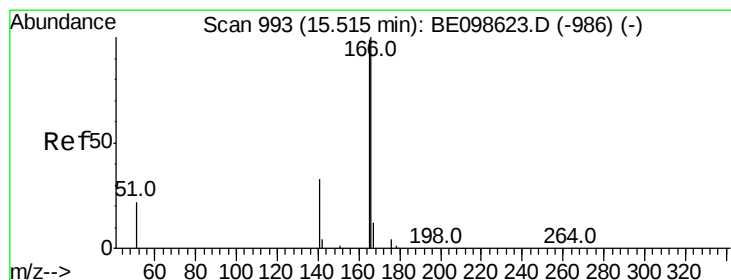
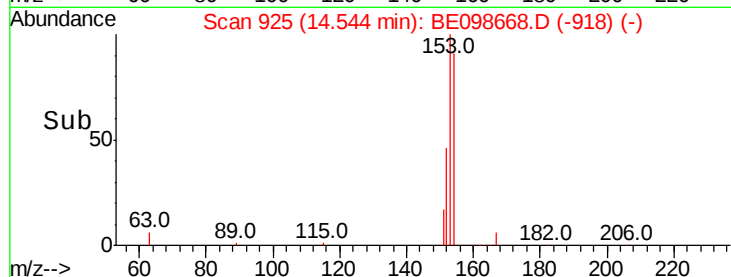
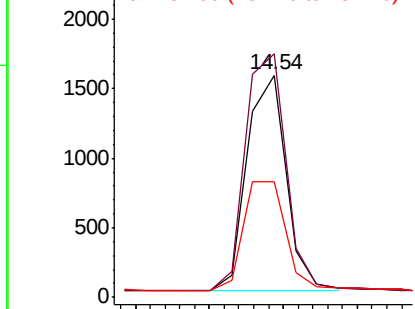
#17
Acenaphthene
Concen: 0.344 ng
RT: 14.54 min Scan# 925
Delta R.T. 0.00 min
Lab File: BE098668.D
Acq: 18 Jan 2019 17:03

Instrument :
BNA_E
ClientSampleId :
PB116504BSD

Tot Ion:154 Resp: 2852
Ion Ratio Lower Upper
154 100
153 114.6 93.9 140.9
152 54.3 45.8 68.8

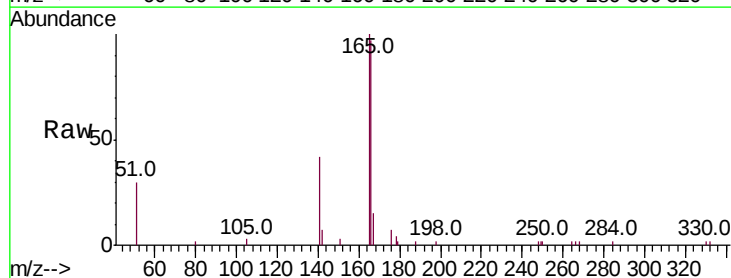


Abundance Ion 154.00 (153.70 to 154.70): E
Ion 153.00 (152.70 to 153.70): E
Ion 152.00 (151.70 to 152.70): E

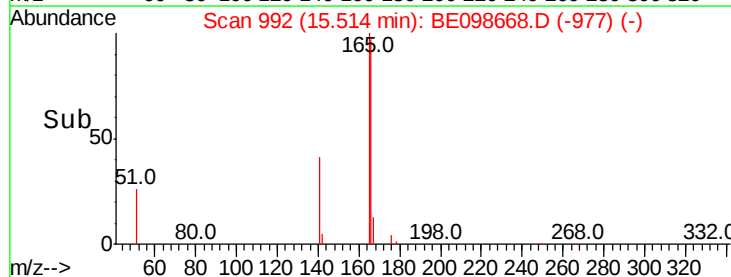
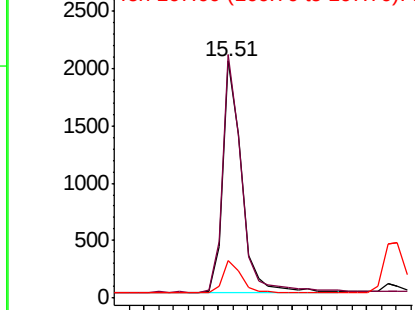


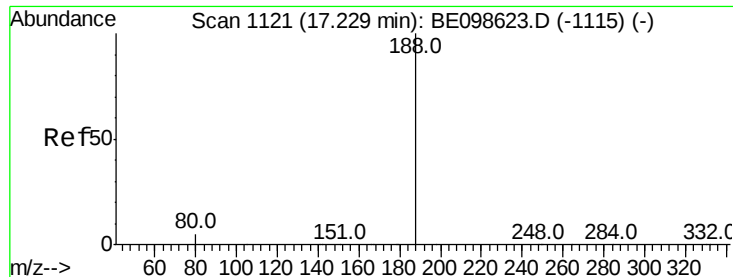
#18
Fluorene
Concen: 0.334 ng
RT: 15.51 min Scan# 992
Delta R.T. -0.00 min
Lab File: BE098668.D
Acq: 18 Jan 2019 17:03

Tgt Ion:166 Resp: 3598
Ion Ratio Lower Upper
166 100
165 102.4 79.3 118.9
167 14.3 10.6 15.8



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: 17.23 min Scan# 1120

Delta R.T. -0.00 min

Lab File: BE098668.D

Acq: 18 Jan 2019 17:03

Instrument :

BNA_E

ClientSampleId :

PB116504BSD

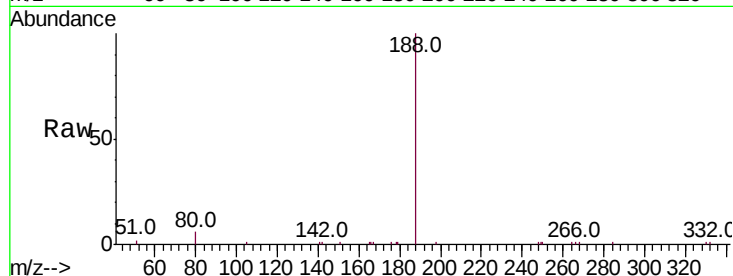
Tot Ion:188 Resp: 7564

Ion Ratio Lower Upper

188 100

94 0.0 0.0 0.0

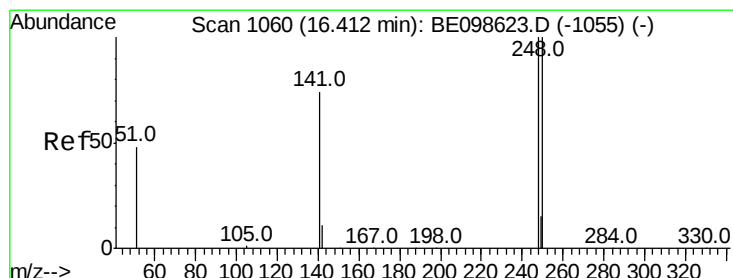
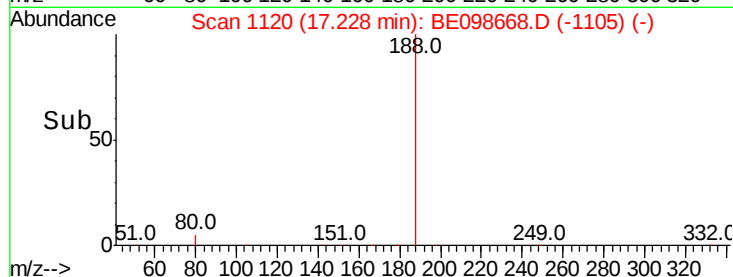
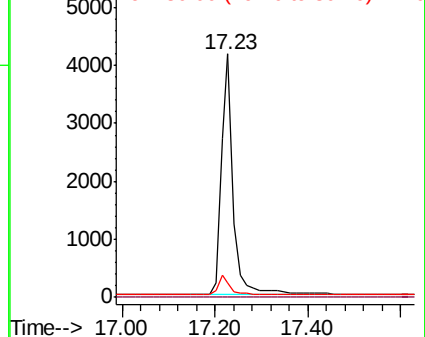
80 5.9 4.7 7.1



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: 0.320 ng

RT: 16.41 min Scan# 1059

Delta R.T. -0.00 min

Lab File: BE098668.D

Acq: 18 Jan 2019 17:03

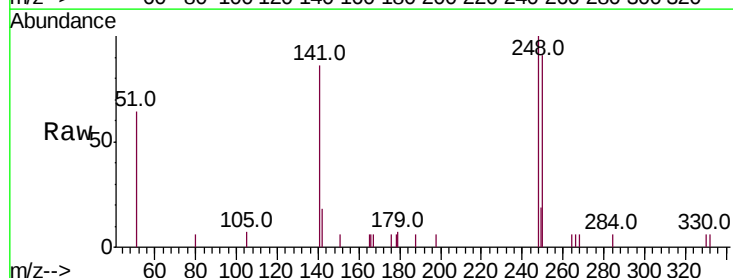
Tgt Ion:248 Resp: 1283

Ion Ratio Lower Upper

248 100

250 91.0 80.2 120.4

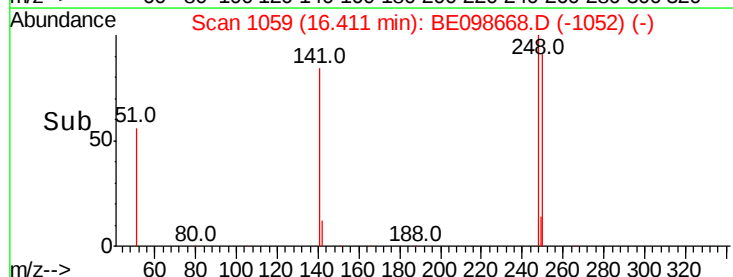
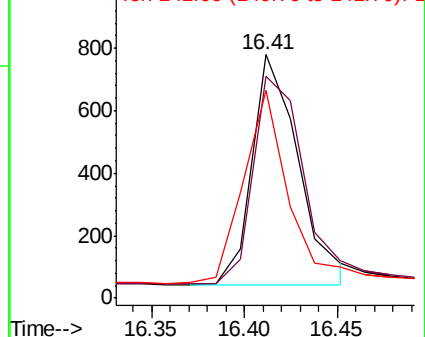
141 85.6 60.5 90.7

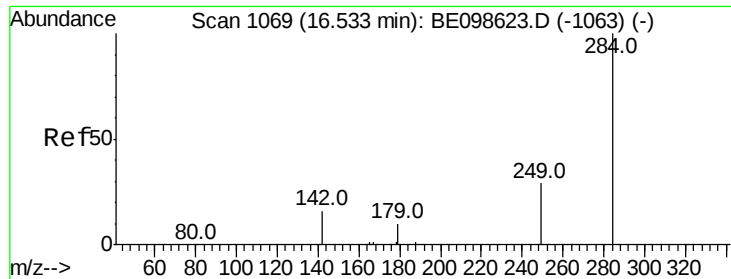


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E





#21

Hexachlorobenzene

Concen: 0.334 ng

RT: 16.53 min Scan# 1068

Delta R.T. -0.00 min

Lab File: BE098668.D

Acq: 18 Jan 2019 17:03

Instrument :

BNA_E

ClientSampleId :

PB116504BSD

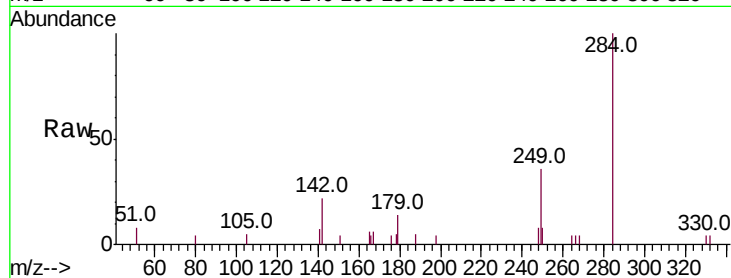
Tot Ion:284 Resp: 1615

Ion Ratio Lower Upper

284 100

142 34.3 25.5 38.3

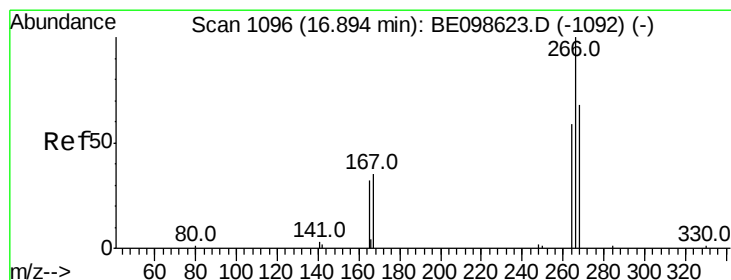
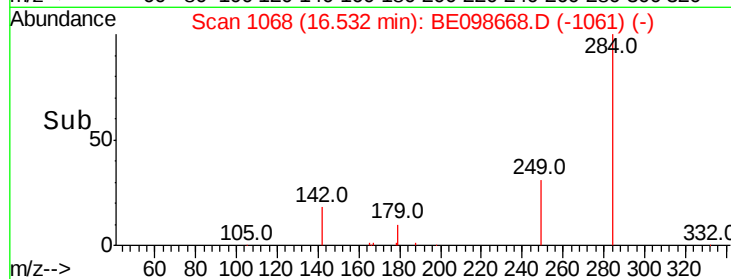
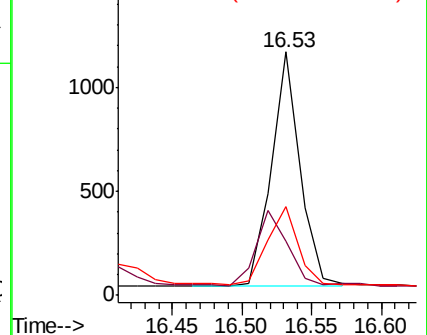
249 34.2 26.6 39.8



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: 0.430 ng

RT: 16.89 min Scan# 1095

Delta R.T. -0.00 min

Lab File: BE098668.D

Acq: 18 Jan 2019 17:03

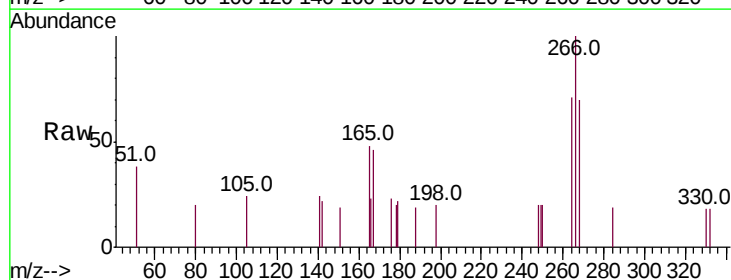
Tgt Ion:266 Resp: 453

Ion Ratio Lower Upper

266 100

264 70.8 53.7 80.5

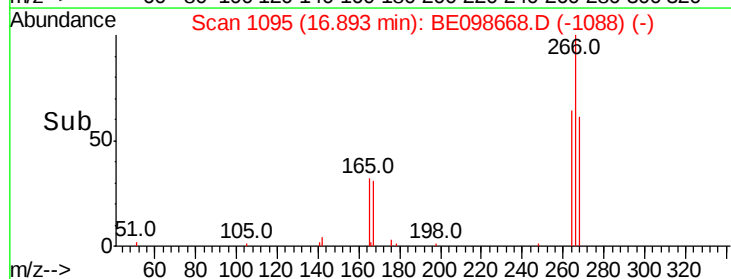
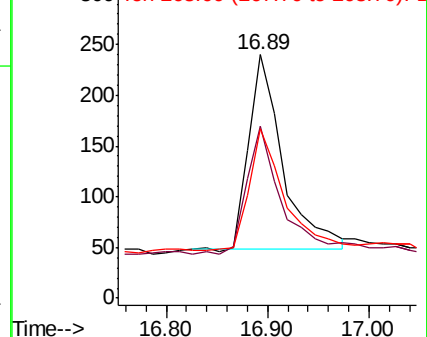
268 69.6 59.8 89.8

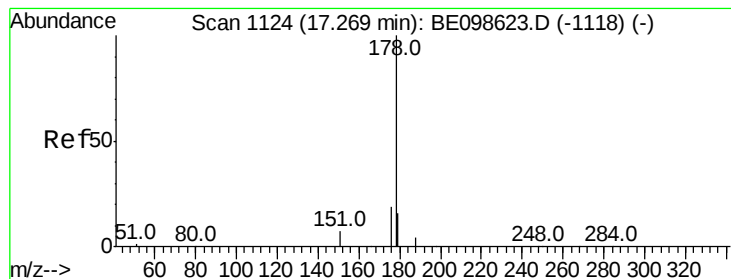


Abundance Ion 266.00 (265.70 to 266.70): E

Ion 264.00 (263.70 to 264.70): E

Ion 268.00 (267.70 to 268.70): E





#23

Phenanthrene

Concen: 0.329 ng

RT: 17.27 min Scan# 1123

Delta R.T. -0.00 min

Lab File: BE098668.D

Acq: 18 Jan 2019 17:03

Instrument :

BNA_E

ClientSampleId :

PB116504BSD

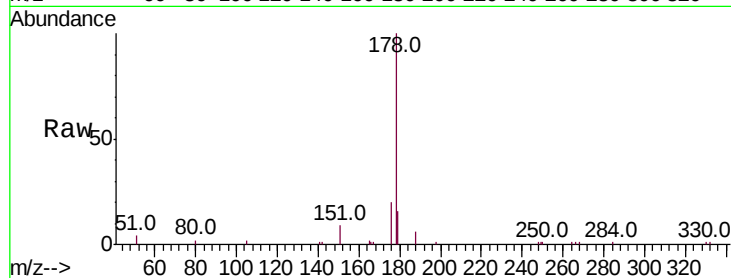
Tot Ion:178 Resp: 5897

Ion Ratio Lower Upper

178 100

176 18.9 15.9 23.9

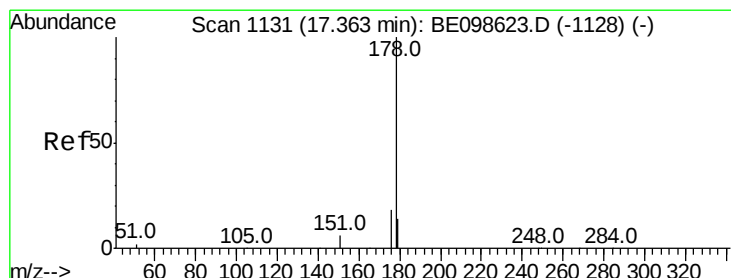
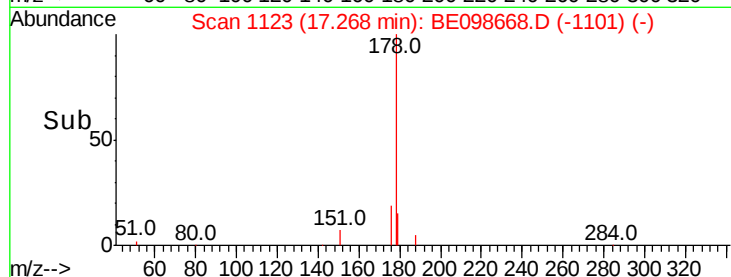
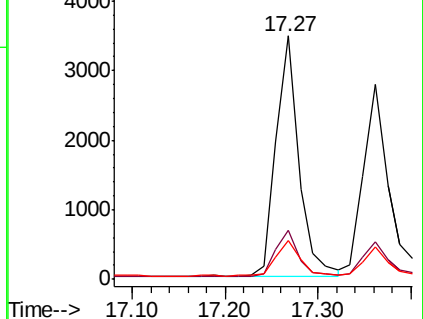
179 15.4 12.2 18.4



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



#24

Anthracene

Concen: 0.313 ng

RT: 17.36 min Scan# 1130

Delta R.T. -0.00 min

Lab File: BE098668.D

Acq: 18 Jan 2019 17:03

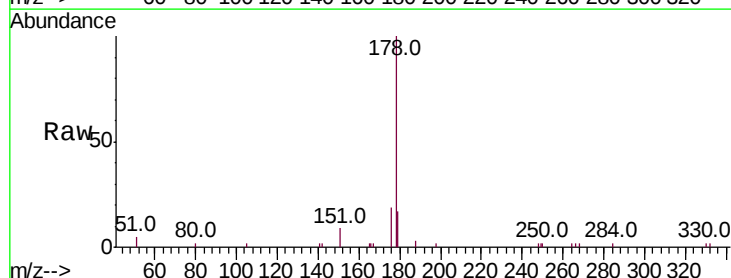
Tgt Ion:178 Resp: 4811

Ion Ratio Lower Upper

178 100

176 18.0 14.9 22.3

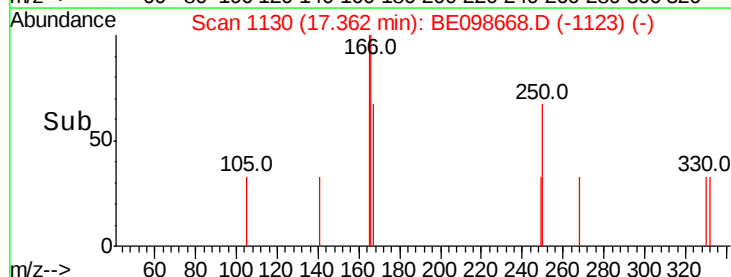
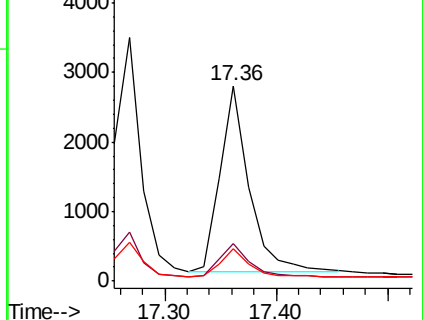
179 14.6 11.8 17.8

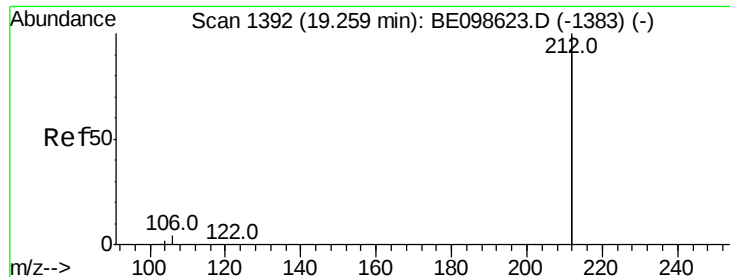


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#25

Fluoranthene-d10

Concen: 0.331 ng

RT: 19.26 min Scan# 1391

Delta R.T. 0.00 min

Lab File: BE098668.D

Acq: 18 Jan 2019 17:03

Instrument :

BNA_E

ClientSampleId :

PB116504BSD

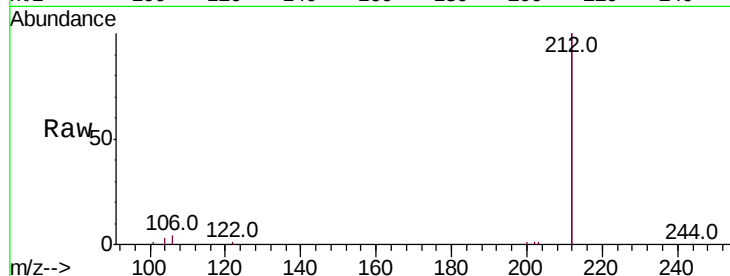
Tot Ion:212 Resp: 30973

Ion Ratio Lower Upper

212 100

106 1.8 1.7 2.5

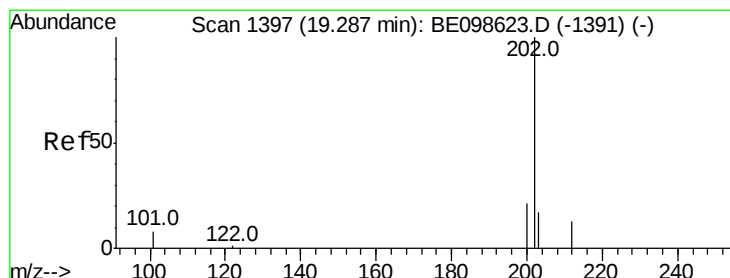
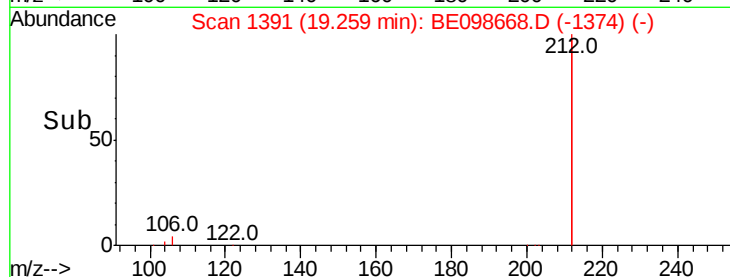
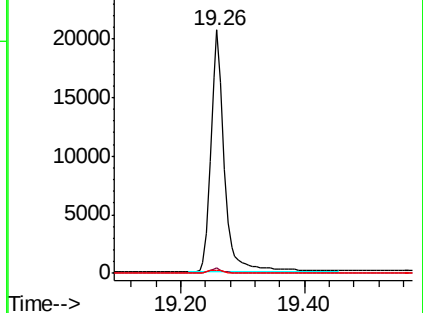
104 1.1 1.0 1.6



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: 0.327 ng

RT: 19.29 min Scan# 1396

Delta R.T. 0.00 min

Lab File: BE098668.D

Acq: 18 Jan 2019 17:03

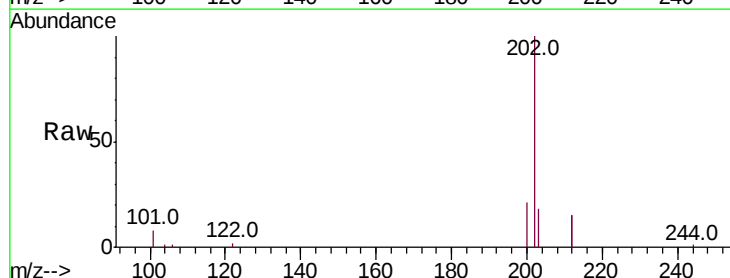
Tgt Ion:202 Resp: 7534

Ion Ratio Lower Upper

202 100

101 7.8 6.7 10.1

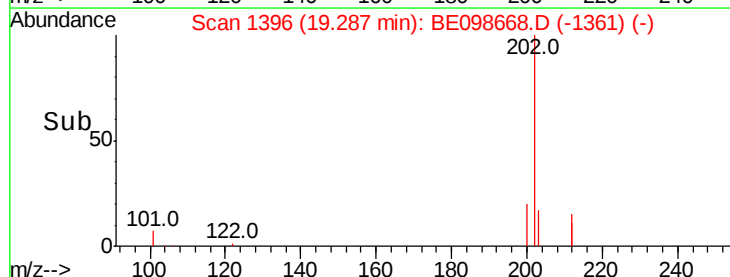
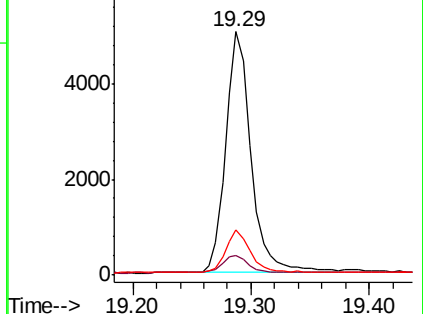
203 17.2 13.3 19.9

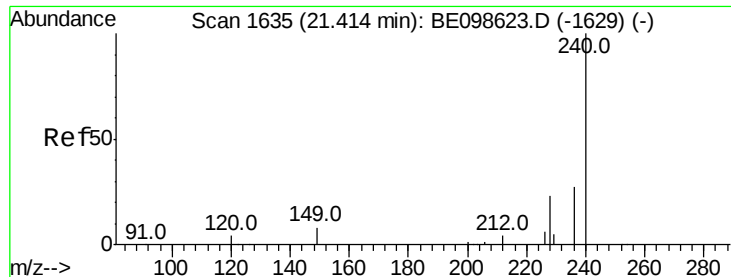


Abundance Ion 202.00 (201.70 to 202.70): E

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: 21.41 min Scan# 1634

Delta R.T. 0.00 min

Lab File: BE098668.D

Acq: 18 Jan 2019 17:03

Instrument :

BNA_E

ClientSampleId :

PB116504BSD

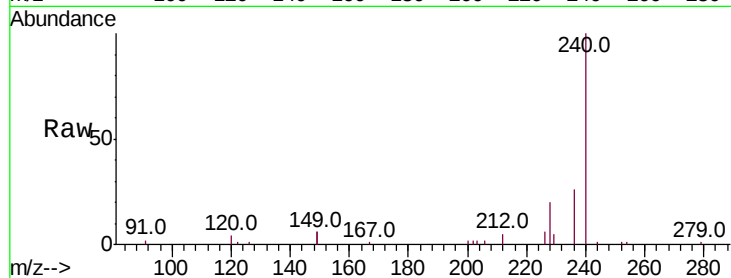
Tot Ion:240 Resp: 8869

Ion Ratio Lower Upper

240 100

120 4.1 4.7 7.1#

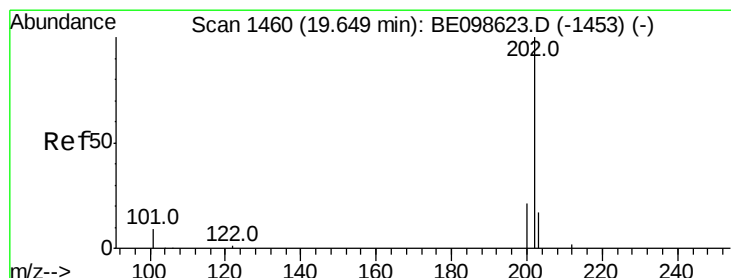
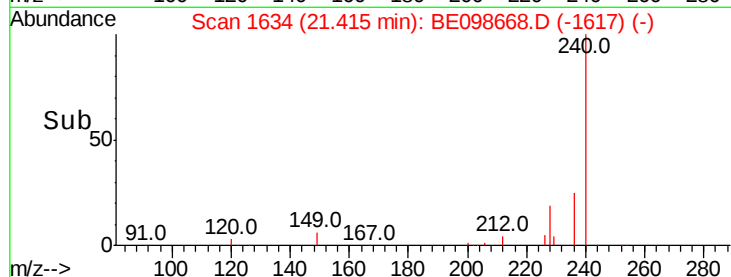
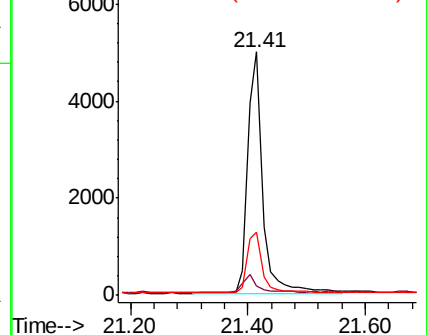
236 25.8 21.9 32.9



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: 0.324 ng

RT: 19.65 min Scan# 1459

Delta R.T. 0.00 min

Lab File: BE098668.D

Acq: 18 Jan 2019 17:03

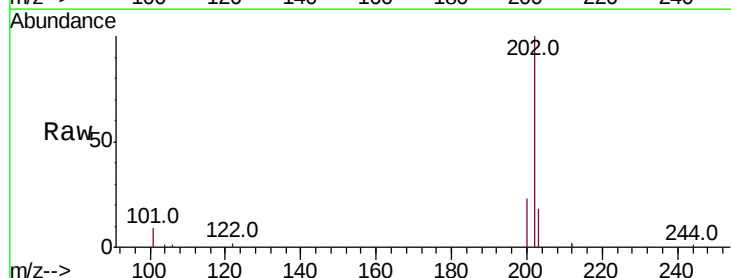
Tgt Ion:202 Resp: 7909

Ion Ratio Lower Upper

202 100

200 21.5 17.0 25.6

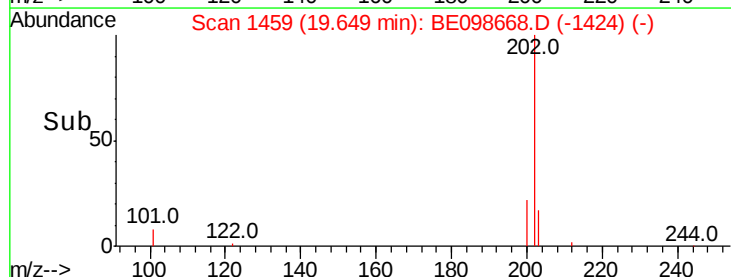
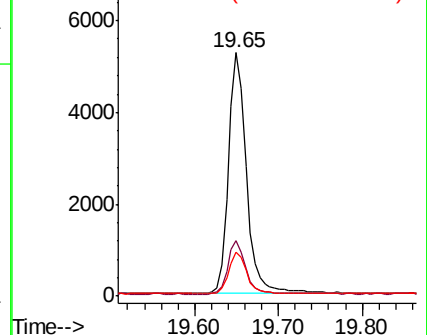
203 17.3 13.8 20.8

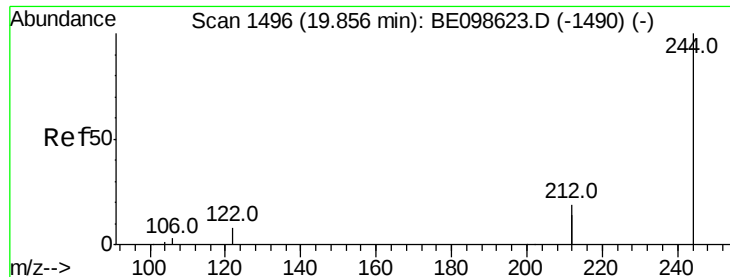


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#29

Terphenyl-d14

Concen: 0.325 ng

RT: 19.86 min Scan# 1495

Delta R.T. 0.00 min

Lab File: BE098668.D

Acq: 18 Jan 2019 17:03

Instrument :

BNA_E

ClientSampleId :

PB116504BSD

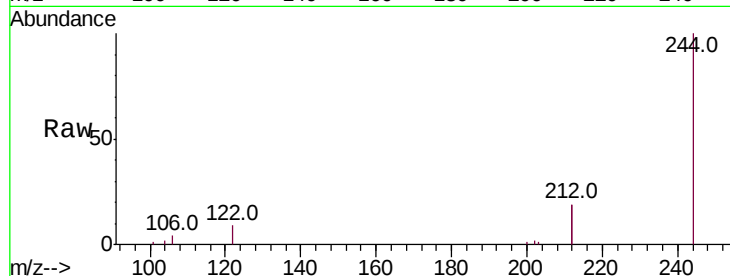
Tot Ion:244 Resp: 6383

Ion Ratio Lower Upper

244 100

212 38.0 29.4 44.2

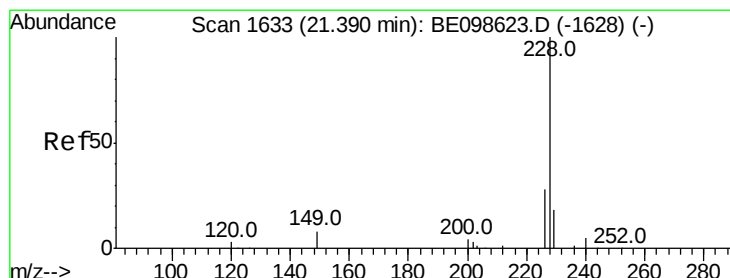
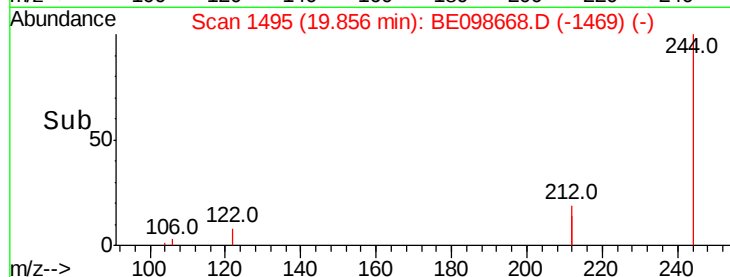
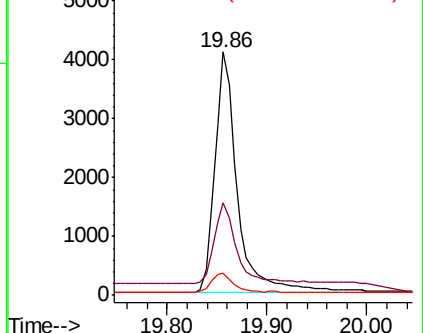
122 8.9 7.1 10.7



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: 0.329 ng

RT: 21.39 min Scan# 1632

Delta R.T. 0.00 min

Lab File: BE098668.D

Acq: 18 Jan 2019 17:03

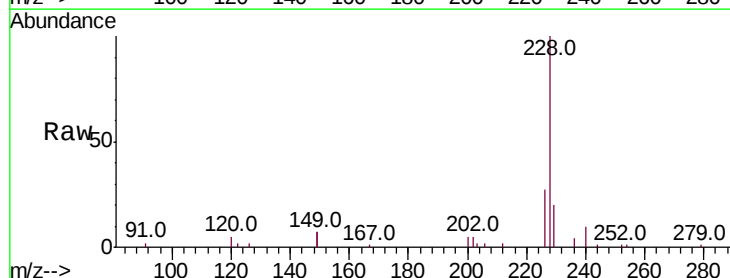
Tgt Ion:228 Resp: 7838

Ion Ratio Lower Upper

228 100

226 27.3 23.0 34.4

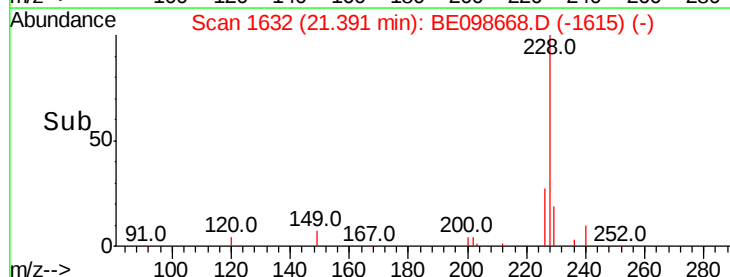
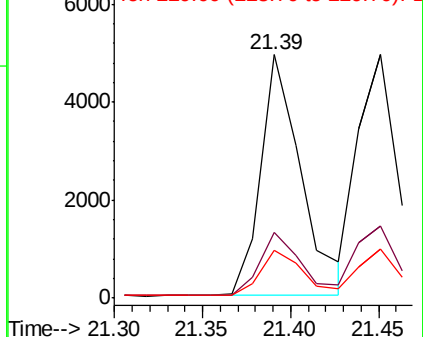
229 19.7 15.0 22.6

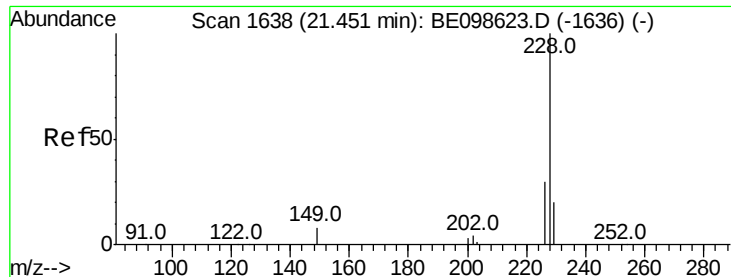


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#31

Chrysene

Concen: 0.321 ng

RT: 21.45 min Scan# 1637

Delta R.T. 0.00 min

Lab File: BE098668.D

Acq: 18 Jan 2019 17:03

Instrument :

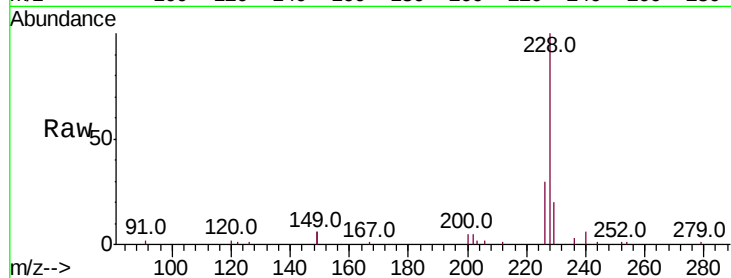
BNA_E

ClientSampleId :

PB116504BSD

Tot Ion:228 Resp: 7942

Ion	Ratio	Lower	Upper
228	100		
226	29.7	24.6	36.8
229	20.0	16.4	24.6

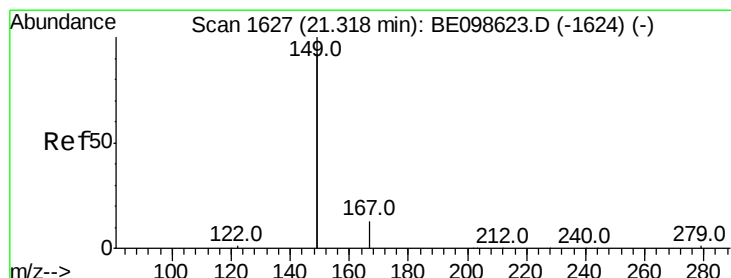
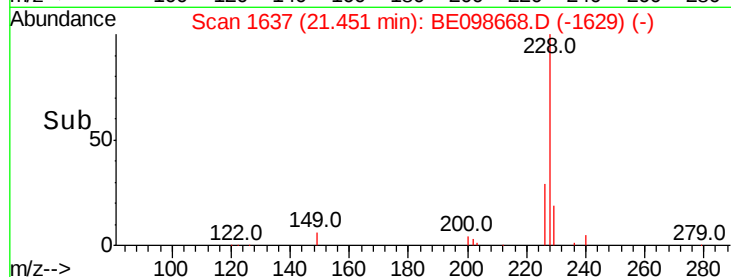
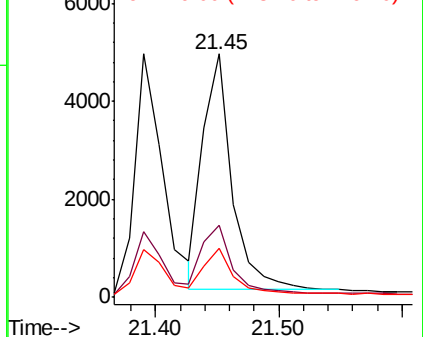


Abundance

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: 0.301 ng

RT: 21.32 min Scan# 1626

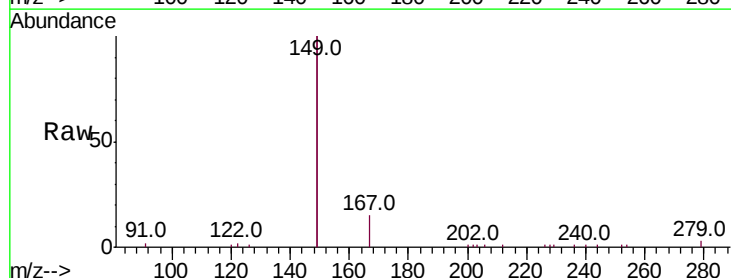
Delta R.T. 0.00 min

Lab File: BE098668.D

Acq: 18 Jan 2019 17:03

Tgt Ion:149 Resp: 15247

Ion	Ratio	Lower	Upper
149	100		
167	7.2	5.4	8.2
279	1.3	1.0	1.4

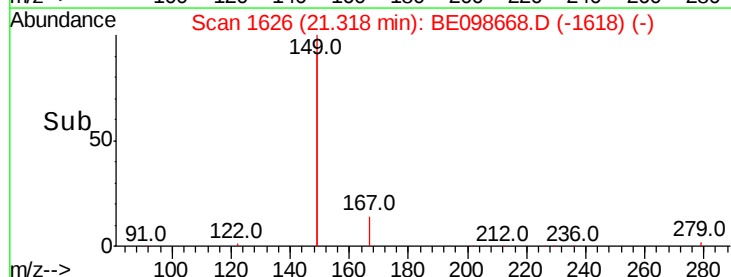
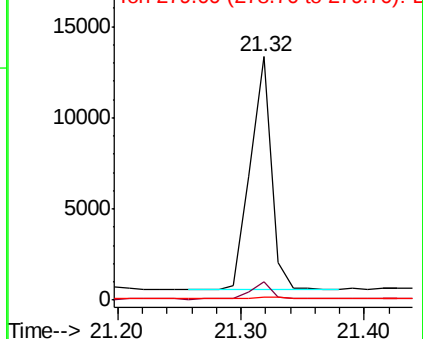


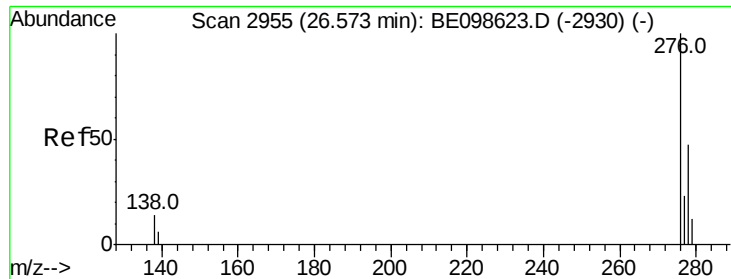
Abundance

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: 0.330 ng

RT: 26.57 min Scan# 2953

Delta R.T. -0.00 min

Lab File: BE098668.D

Acq: 18 Jan 2019 17:03

Instrument :

BNA_E

ClientSampleId :

PB116504BSD

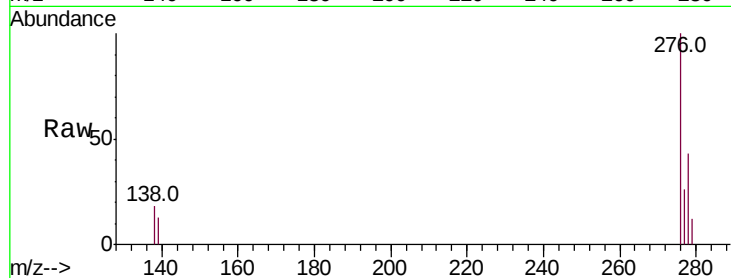
Tot Ion:276 Resp: 8421

Ion Ratio Lower Upper

276 100

138 17.8 13.3 19.9

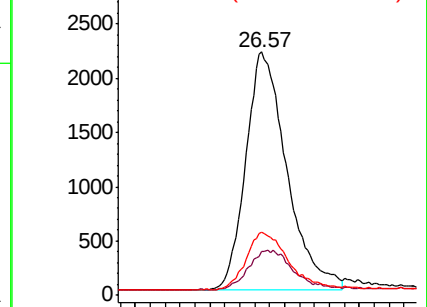
277 24.7 19.4 29.0



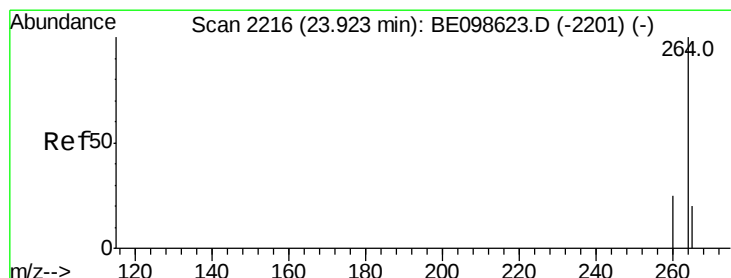
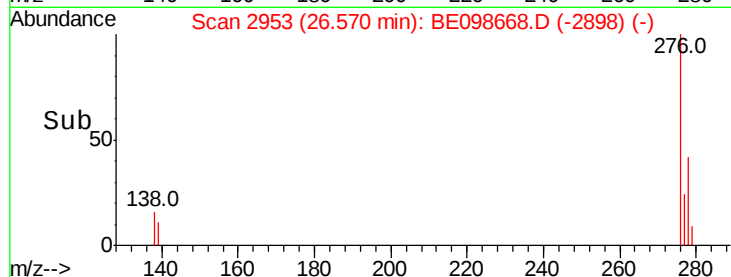
Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E



Time--> 26.40 26.50 26.60 26.70



#34

Perylene-d12

Concen: 0.400 ng

RT: 23.93 min Scan# 2216

Delta R.T. 0.00 min

Lab File: BE098668.D

Acq: 18 Jan 2019 17:03

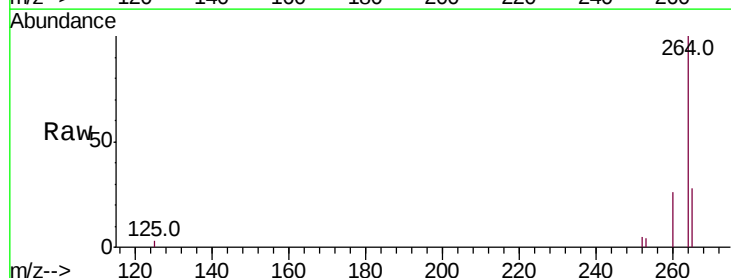
Tgt Ion:264 Resp: 8278

Ion Ratio Lower Upper

264 100

260 25.7 20.5 30.7

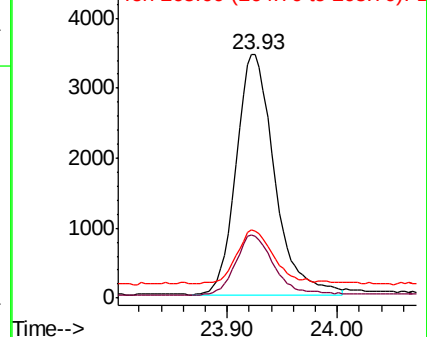
265 27.5 22.3 33.5



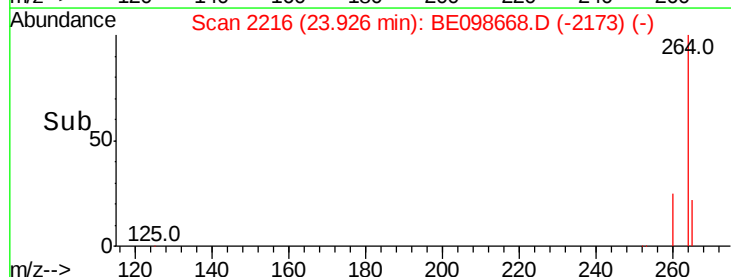
Abundance Ion 264.00 (263.70 to 264.70): E

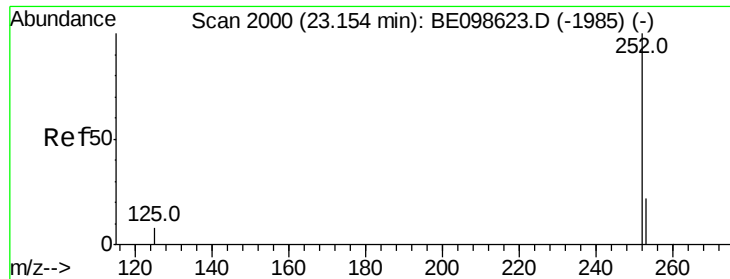
Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E



Time--> 23.90 24.00





#35

Benzo(b)fluoranthene

Concen: 0.335 ng

RT: 23.15 min Scan# 1999

Delta R.T. -0.00 min

Lab File: BE098668.D

Acq: 18 Jan 2019 17:03

Instrument :

BNA_E

ClientSampleId :

PB116504BSD

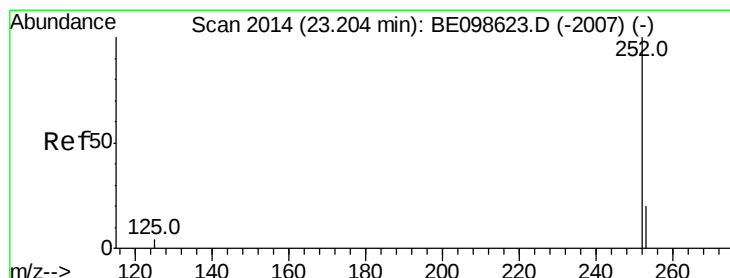
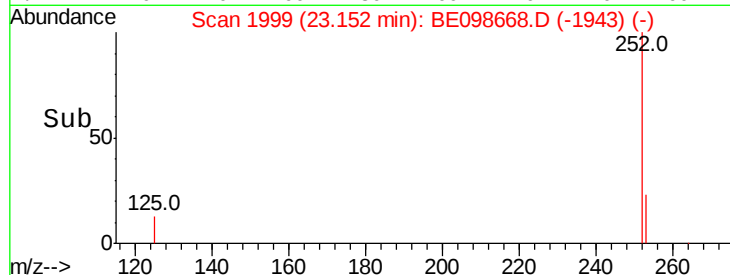
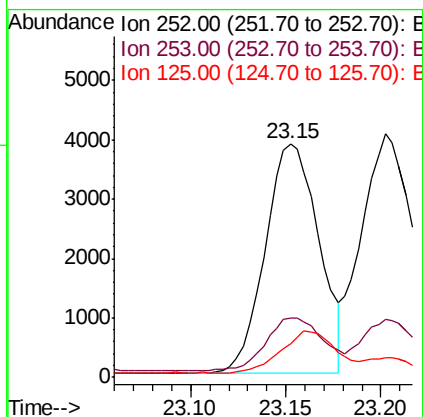
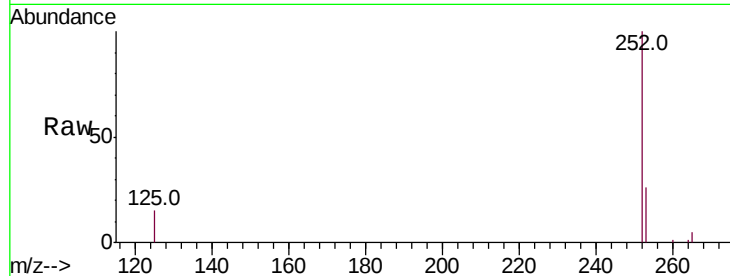
Tot Ion:252 Resp: 7562

Ion Ratio Lower Upper

252 100

253 25.5 19.4 29.0

125 14.7 8.2 12.4#



#36

Benzo(k)fluoranthene

Concen: 0.346 ng

RT: 23.20 min Scan# 2013

Delta R.T. -0.00 min

Lab File: BE098668.D

Acq: 18 Jan 2019 17:03

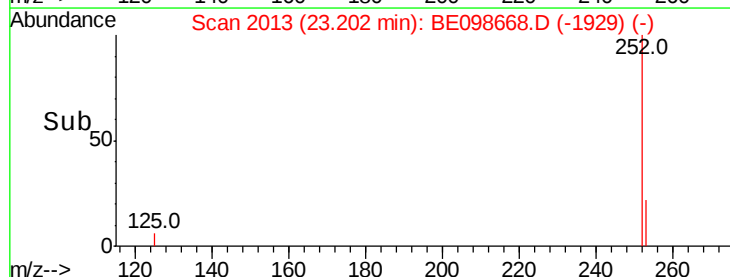
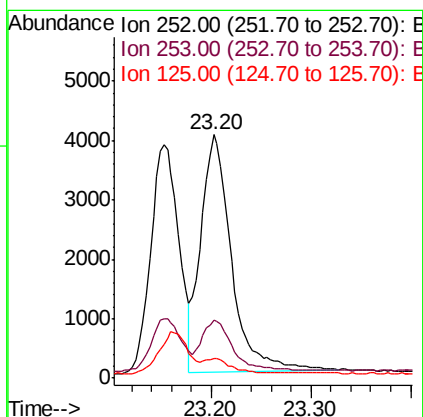
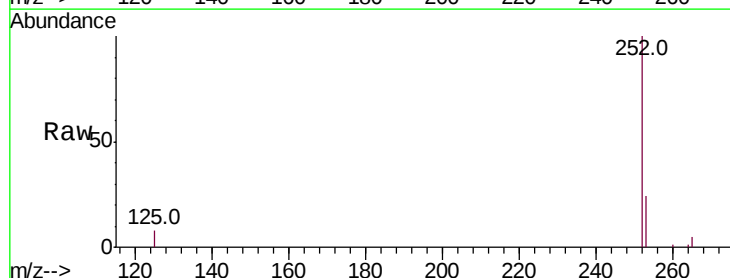
Tgt Ion:252 Resp: 8541

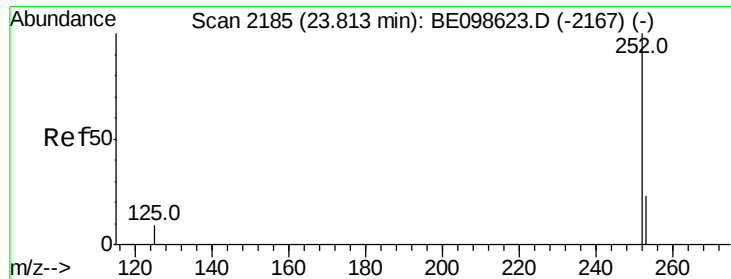
Ion Ratio Lower Upper

252 100

253 24.0 19.0 28.4

125 8.1 7.0 10.4





#37

Benzo(a)pyrene

Concen: 0.341 ng

RT: 23.81 min Scan# 2184

Delta R.T. -0.00 min

Lab File: BE098668.D

Acq: 18 Jan 2019 17:03

Instrument :

BNA_E

ClientSampleId :

PB116504BSD

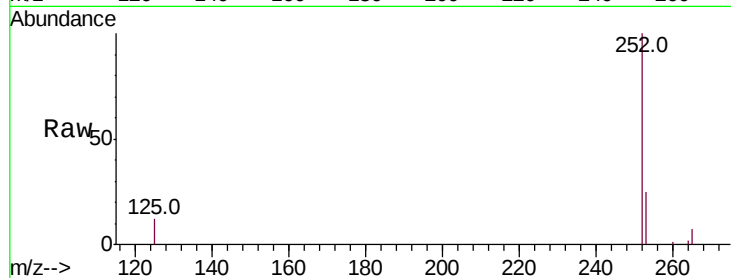
Tot Ion:252 Resp: 7565

Ion Ratio Lower Upper

252 100

253 25.2 21.0 31.4

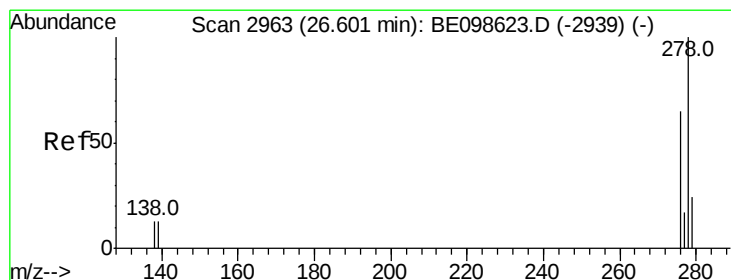
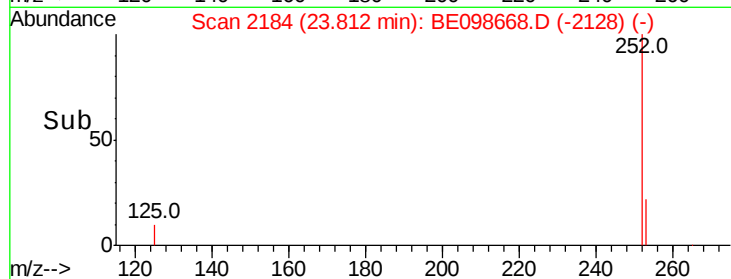
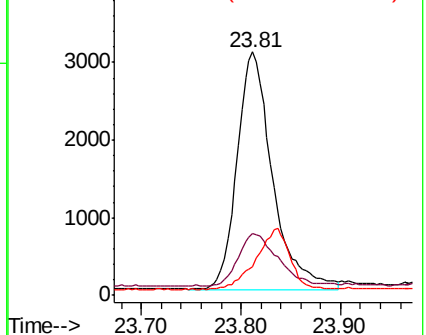
125 11.8 9.2 13.8



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: 0.360 ng

RT: 26.59 min Scan# 2960

Delta R.T. -0.01 min

Lab File: BE098668.D

Acq: 18 Jan 2019 17:03

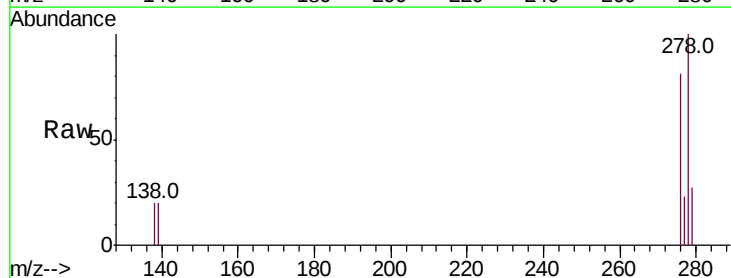
Tgt Ion:278 Resp: 7074

Ion Ratio Lower Upper

278 100

139 20.4 12.7 19.1#

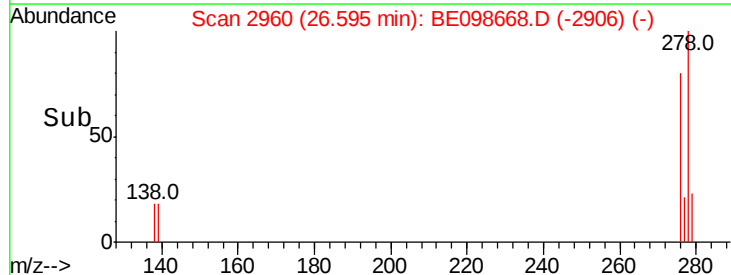
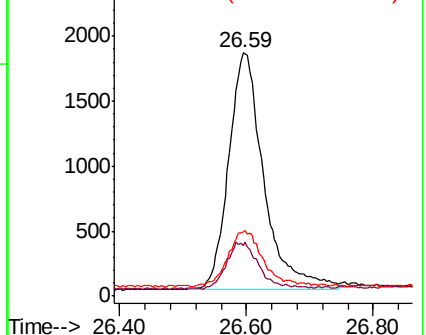
279 26.5 22.0 33.0

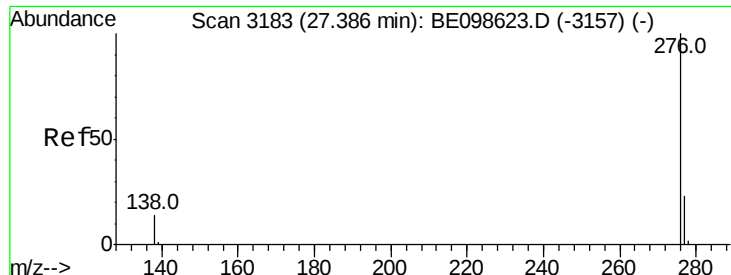


Abundance Ion 278.00 (277.70 to 278.70): E

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: 0.338 ng

RT: 27.38 min Scan# 3181

Delta R.T. -0.00 min

Lab File: BE098668.D

Acq: 18 Jan 2019 17:03

Instrument :

BNA_E

ClientSampleId :

PB116504BSD

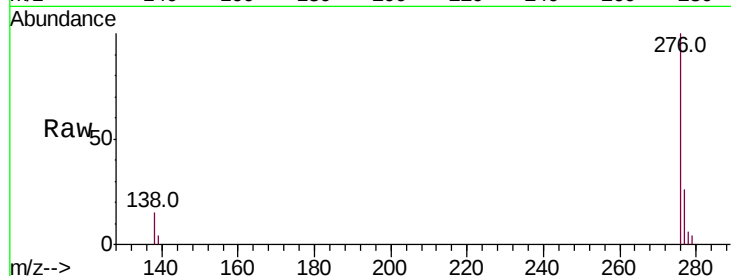
Tot Ion:276 Resp: 7282

Ion Ratio Lower Upper

276 100

277 25.6 20.3 30.5

138 15.1 13.3 19.9



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

