

Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE011719\
 Data File : BE098653.D
 Acq On : 17 Jan 2019 19:02
 Operator : SJ/JU
 Sample : PB116461BS
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 PB116461BS

Quant Time: Jan 18 01:57:04 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	1323	0.40	ng	0.00
7) Naphthalene-d8	10.60	136	6240	0.40	ng	0.00
13) Acenaphthene-d10	14.47	164	4236	0.40	ng	0.00
19) Phenanthrene-d10	17.23	188	10085	0.40	ng	0.00
27) Chrysene-d12	21.42	240	11334	0.40	ng	0.00
34) Perylene-d12	23.92	264	10926	0.40	ng	0.00

System Monitoring Compounds						
4) 2-Fluorophenol	5.40	112	1262	0.36	ng	0.00
5) Phenol-d6	6.99	99	1940	0.39	ng	-0.01
8) Nitrobenzene-d5	8.96	82	1990	0.40	ng	0.00
11) 2-Methylnaphthalene-d10	12.21	152	3568	0.35	ng	0.00
14) 2,4,6-Tribromophenol	15.97	330	704	0.38	ng	0.00
15) 2-Fluorobiphenyl	13.10	172	5646	0.33	ng	0.01
25) Fluoranthene-d10	19.26	212	41189	0.33	ng	0.00
29) Terphenyl-d14	19.86	244	8497	0.34	ng	0.00

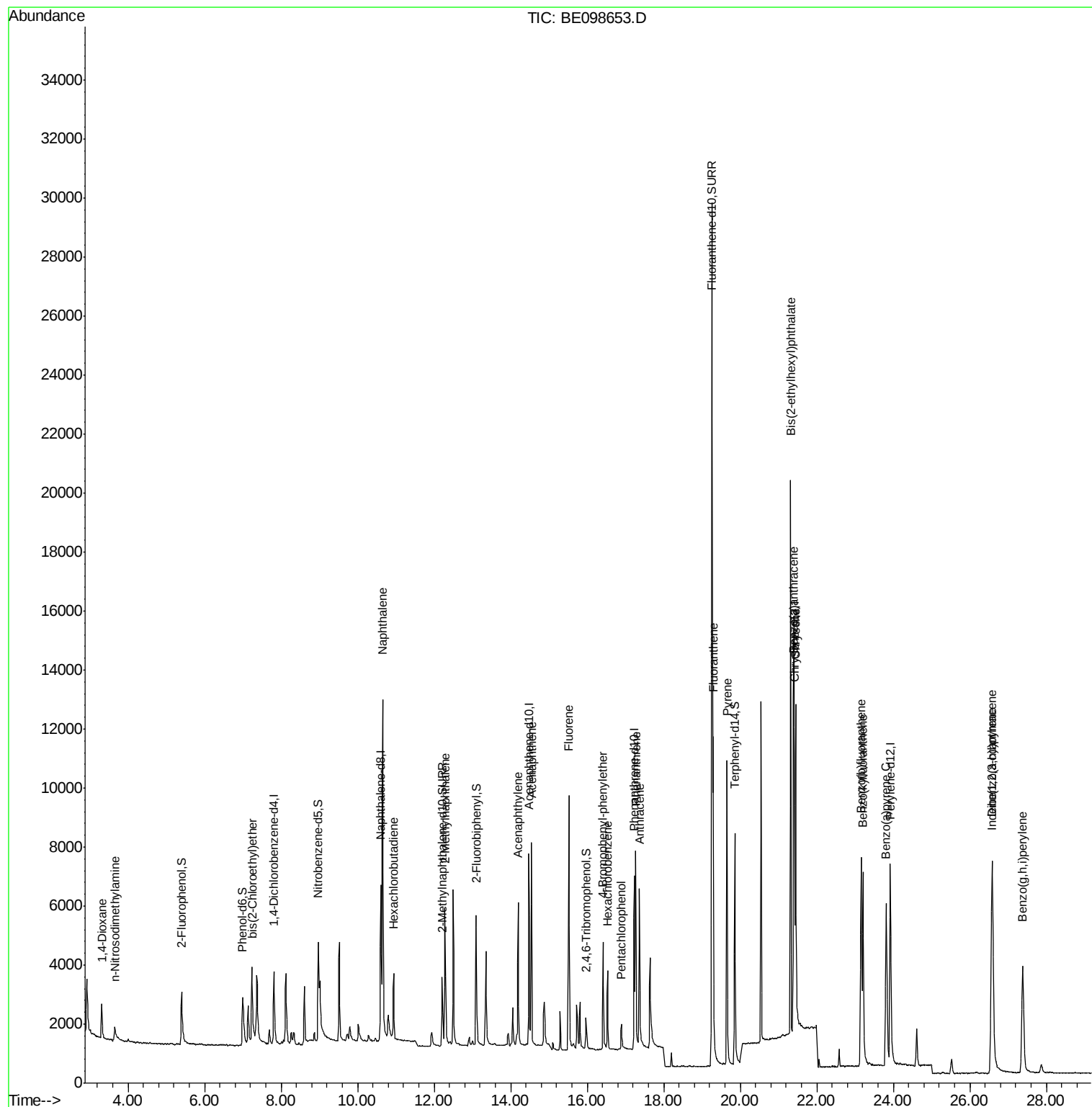
Target Compounds				Qvalue		
2) 1,4-Dioxane	3.31	88	858	0.344	ng	96
3) n-Nitrosodimethylamine	3.65	42	703	0.378	ng	# 95
6) bis(2-Chloroethyl)ether	7.24	93	1263	0.332	ng	96
9) Naphthalene	10.65	128	20930	0.337	ng	100
10) Hexachlorobutadiene	10.94	225	1582	0.356	ng	96
12) 2-Methylnaphthalene	12.28	142	3372	0.327	ng	94
16) Acenaphthylene	14.20	152	5935	0.324	ng	99
17) Acenaphthene	14.54	154	3752	0.326	ng	99
18) Fluorene	15.51	166	5067	0.338	ng	99
20) 4-Bromophenyl-phenylether	16.41	248	1746	0.327	ng	91
21) Hexachlorobenzene	16.53	284	2208	0.342	ng	97
22) Pentachlorophenol	16.89	266	682	0.459	ng	98
23) Phenanthrene	17.27	178	7931	0.332	ng	100
24) Anthracene	17.36	178	6511	0.318	ng	99
26) Fluoranthene	19.29	202	9934	0.323	ng	99
28) Pyrene	19.65	202	10532	0.338	ng	100
30) Benzo(a)anthracene	21.39	228	10399	0.341	ng	98
31) Chrysene	21.45	228	10519	0.333	ng	99
32) Bis(2-ethylhexyl)phthalate	21.32	149	19891	0.308	ng	100
33) Indeno(1,2,3-cd)pyrene	26.57	276	11660	0.358	ng	99
35) Benzo(b)fluoranthene	23.15	252	10029	0.336	ng	98
36) Benzo(k)fluoranthene	23.20	252	11222	0.345	ng	99
37) Benzo(a)pyrene	23.81	252	10100	0.345	ng	99
38) Dibenzo(a,h)anthracene	26.59	278	9363	0.361	ng	# 95
39) Benzo(g,h,i)perylene	27.38	276	9786	0.344	ng	97

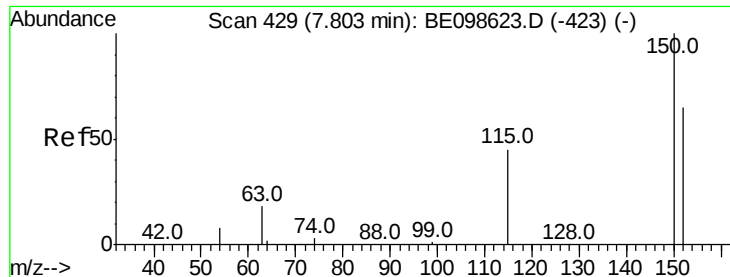
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: BE098653.D

Acq: 17 Jan 2019 19:02

Instrument :

BNA_E

ClientSampleId :

PB116461BS

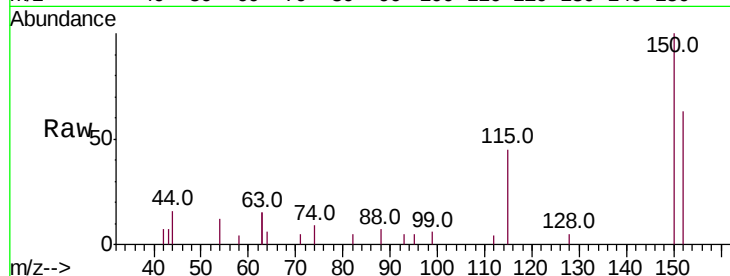
Tot Ion:152 Resp: 1323

Ion Ratio Lower Upper

152 100

150 159.6 121.4 182.2

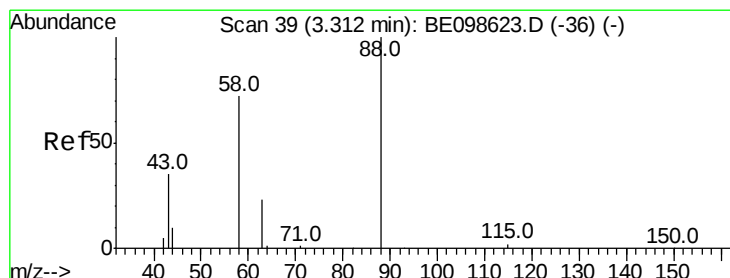
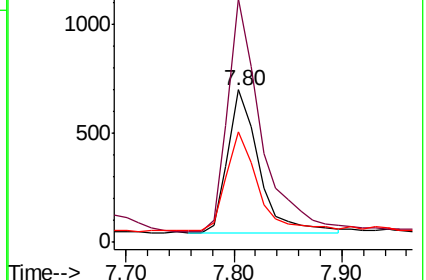
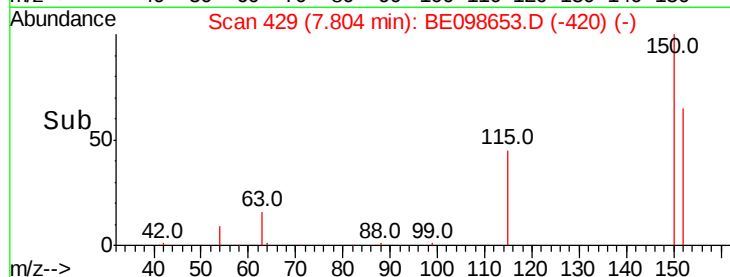
115 72.5 59.1 88.7



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: 0.344 ng

RT: 3.31 min Scan# 39

Delta R.T. 0.00 min

Lab File: BE098653.D

Acq: 17 Jan 2019 19:02

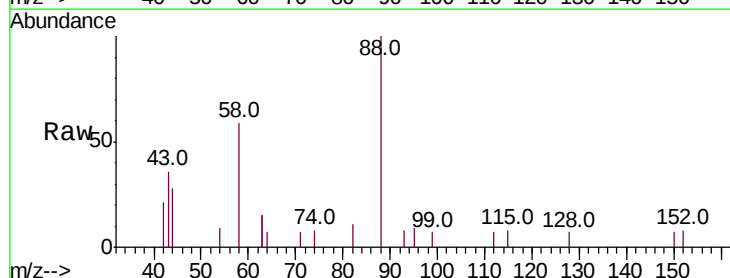
Tgt Ion: 88 Resp: 858

Ion Ratio Lower Upper

88 100

58 91.0 73.9 110.9

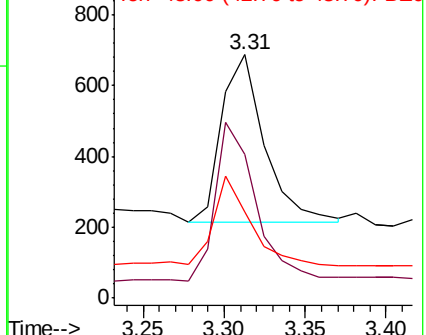
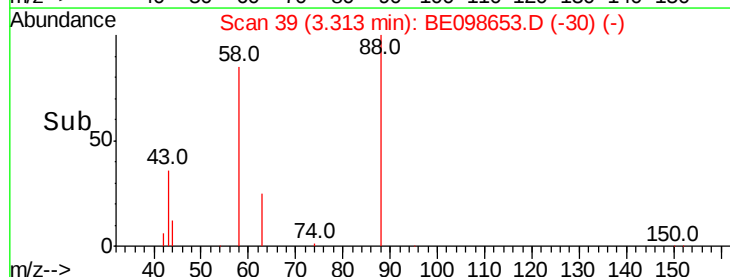
43 47.8 43.7 65.5

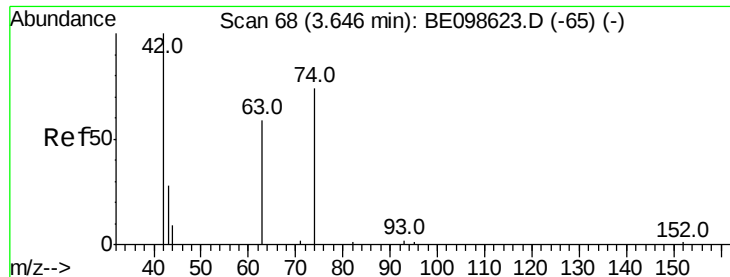


Abundance Ion 88.00 (87.70 to 88.70): BE0

Ion 58.00 (57.70 to 58.70): BE0

Ion 43.00 (42.70 to 43.70): BE0





#3

n-Nitrosodimethylamine

Concen: 0.378 ng

RT: 3.65 min Scan# 68

Delta R.T. 0.00 min

Lab File: BE098653.D

Acq: 17 Jan 2019 19:02

Instrument :

BNA_E

ClientSampleId :

PB116461BS

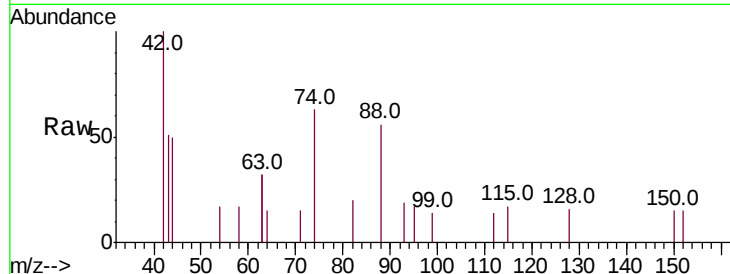
Tot Ion: 42 Resp: 703

Ion Ratio Lower Upper

42 100

74 69.7 58.9 88.3

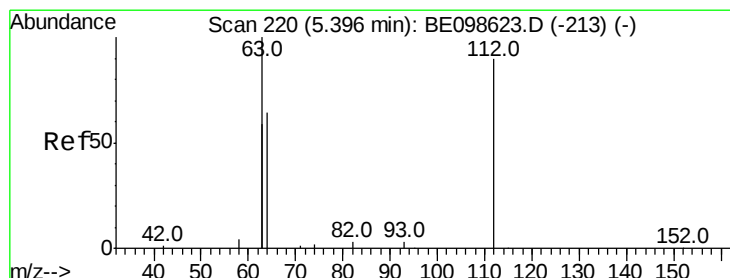
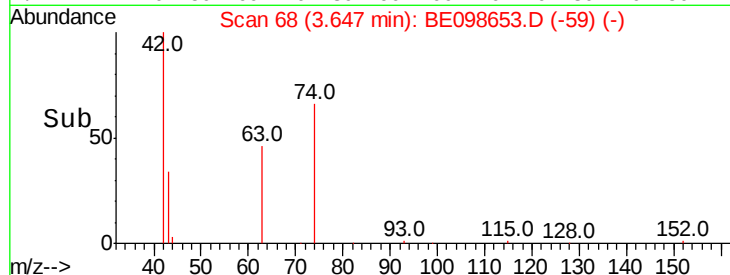
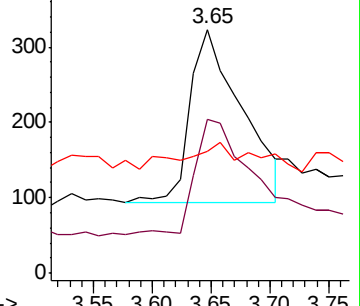
44 7.8 0.0 0.0#



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: 5.40 min Scan# 220

Delta R.T. 0.00 min

Lab File: BE098653.D

Acq: 17 Jan 2019 19:02

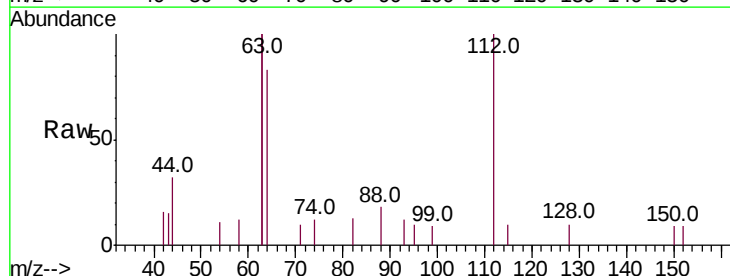
Tgt Ion: 112 Resp: 1262

Ion Ratio Lower Upper

112 100

64 88.4 62.9 94.3

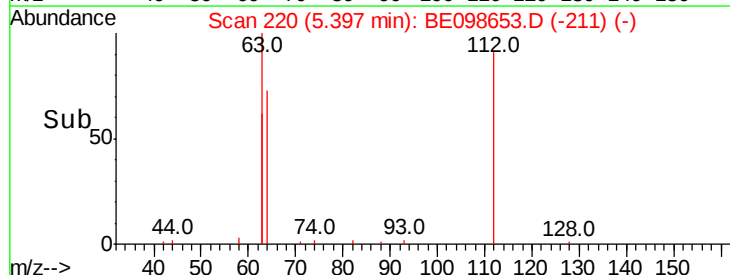
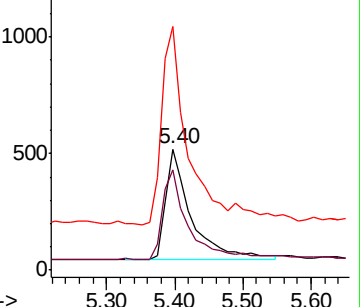
63 173.8 152.2 228.4

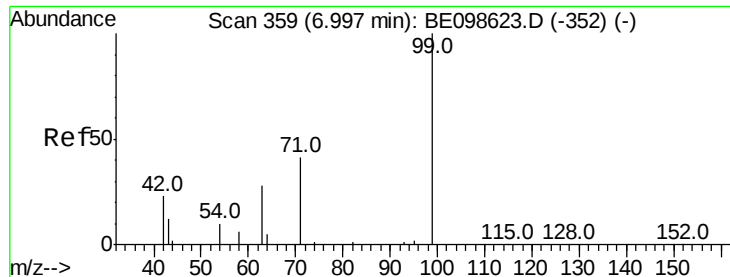


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BE0

Ion 63.00 (62.70 to 63.70): BE0





#5

Phenol-d6

Concen: 0.386 ng

RT: 6.99 min Scan# 358

Delta R.T. -0.01 min

Lab File: BE098653.D

Acq: 17 Jan 2019 19:02

Instrument :

BNA_E

ClientSampleId :

PB116461BS

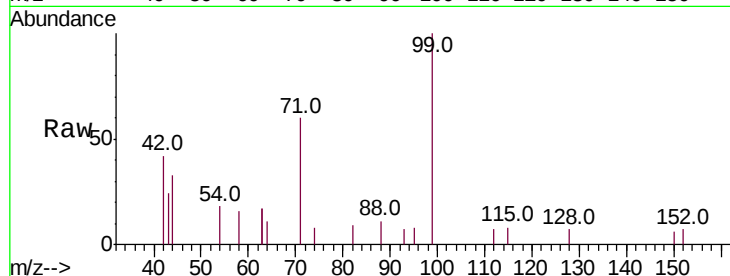
Tot Ion: 99 Resp: 1940

Ion Ratio Lower Upper

99 100

42 29.6 24.6 37.0

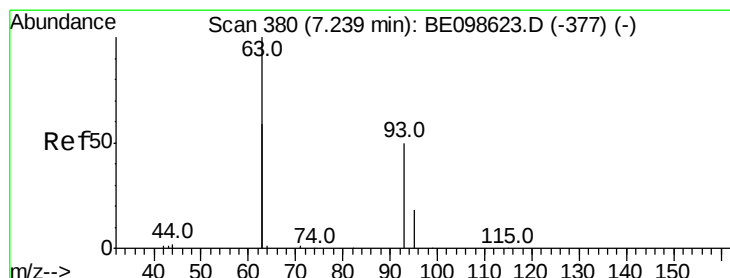
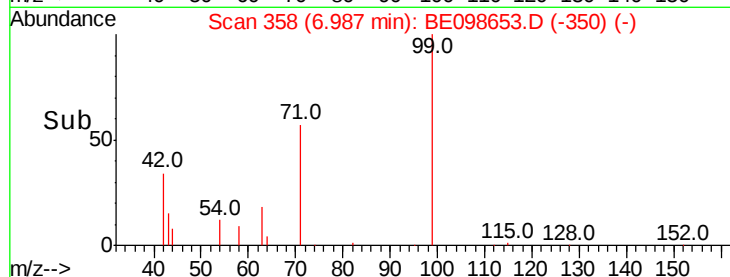
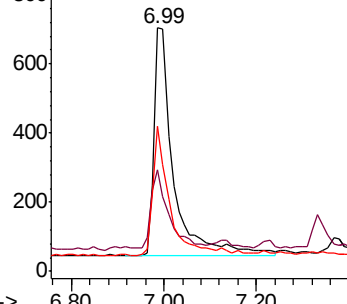
71 47.0 35.1 52.7



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: 0.332 ng

RT: 7.24 min Scan# 380

Delta R.T. 0.00 min

Lab File: BE098653.D

Acq: 17 Jan 2019 19:02

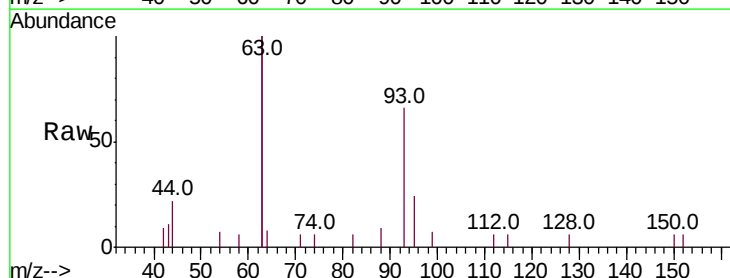
Tgt Ion: 93 Resp: 1263

Ion Ratio Lower Upper

93 100

63 342.3 267.3 400.9

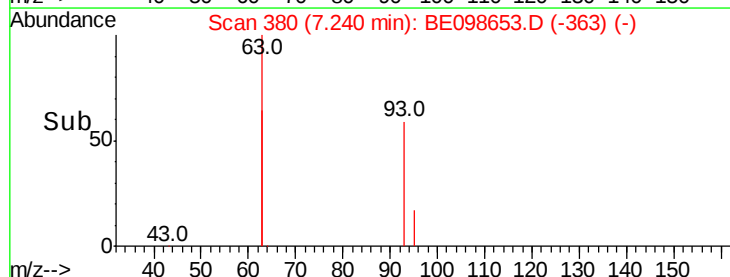
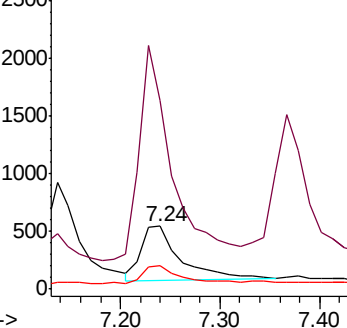
95 31.7 26.2 39.4

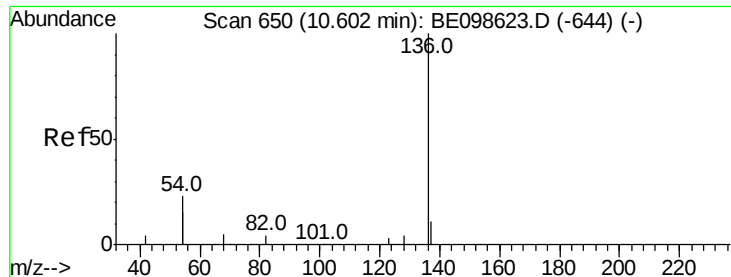


Abundance Ion 93.00 (92.70 to 93.70): BE0

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: BE098653.D

Acq: 17 Jan 2019 19:02

Instrument :

BNA_E

ClientSampleId :

PB116461BS

Tot Ion:136 Resp: 6240

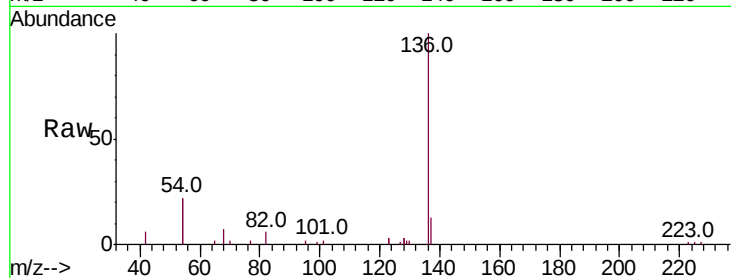
Ion Ratio Lower Upper

136 100

137 12.9 9.7 14.5

54 45.0 35.5 53.3

68 6.5 5.0 7.6

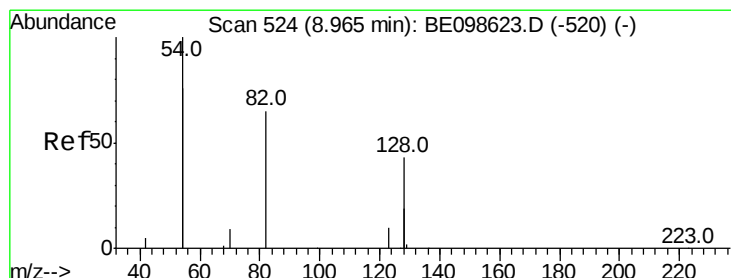
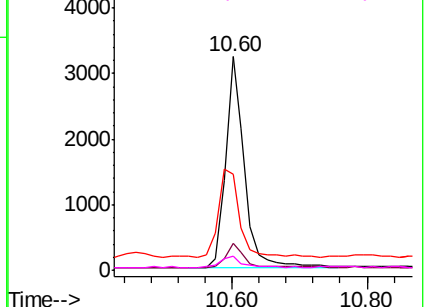
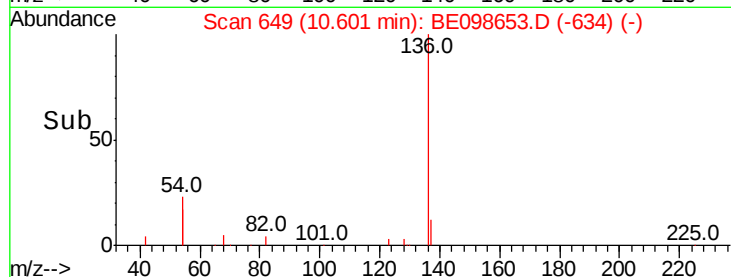


Abundance Ion 136.00 (135.70 to 136.70): E

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: 0.402 ng

RT: 8.96 min Scan# 523

Delta R.T. -0.00 min

Lab File: BE098653.D

Acq: 17 Jan 2019 19:02

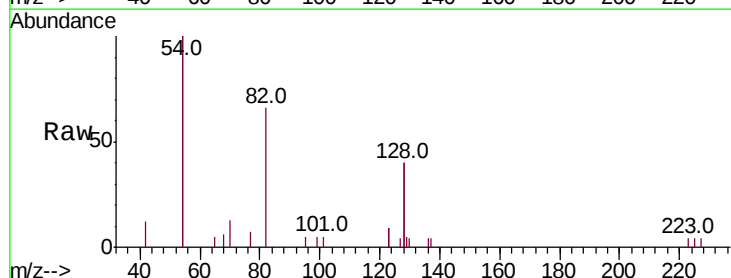
Tgt Ion: 82 Resp: 1990

Ion Ratio Lower Upper

82 100

128 123.3 96.5 144.7

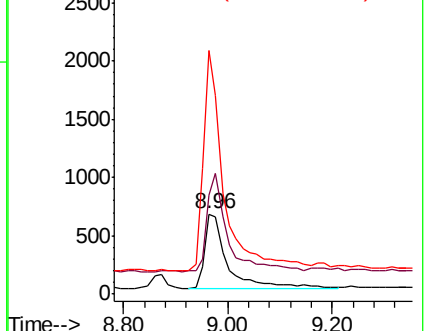
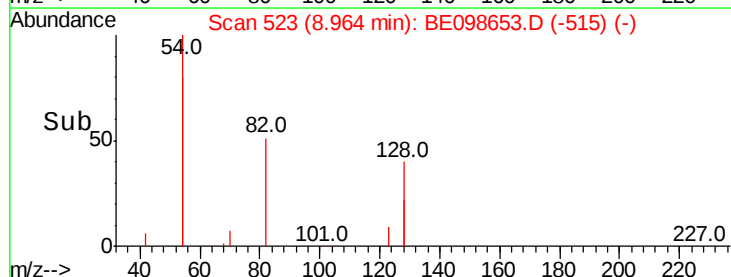
54 304.7 224.7 337.1

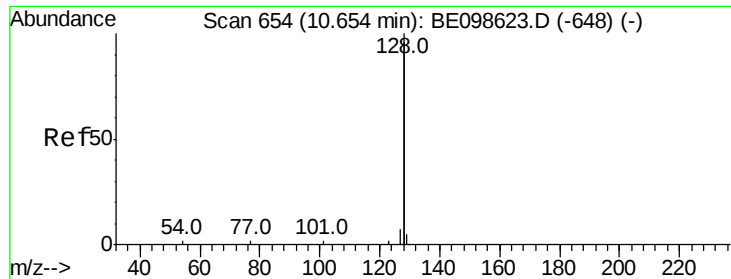


Abundance Ion 82.00 (81.70 to 82.70): BE0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BE0





#9

Naphthalene

Concen: 0.337 ng

RT: 10.65 min Scan# 653

Delta R.T. -0.00 min

Lab File: BE098653.D

Acq: 17 Jan 2019 19:02

Instrument :

BNA_E

ClientSampleId :

PB116461BS

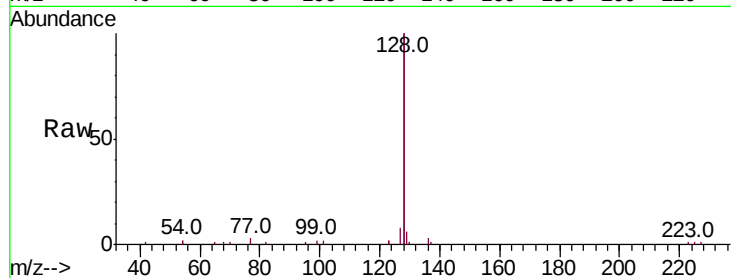
Tot Ion:128 Resp: 20930

Ion Ratio Lower Upper

128 100

129 3.0 2.6 3.8

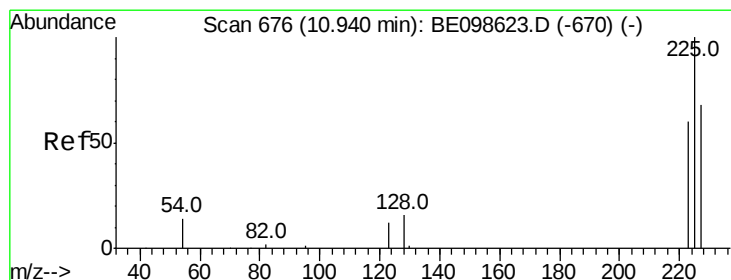
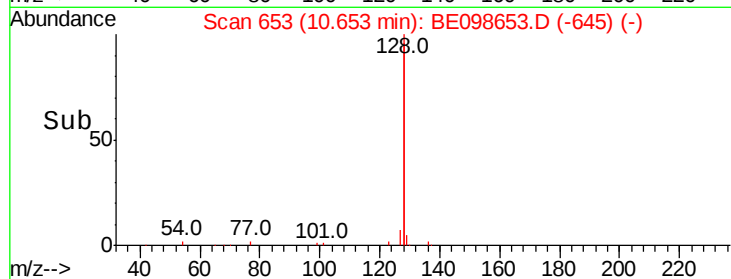
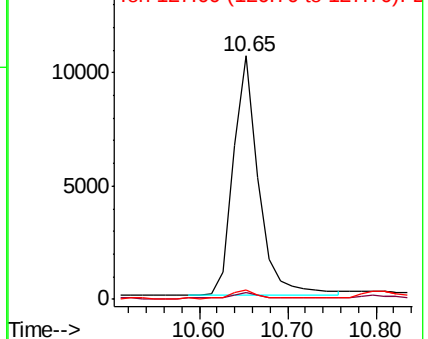
127 3.9 3.0 4.6



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: BE098653.D

Acq: 17 Jan 2019 19:02

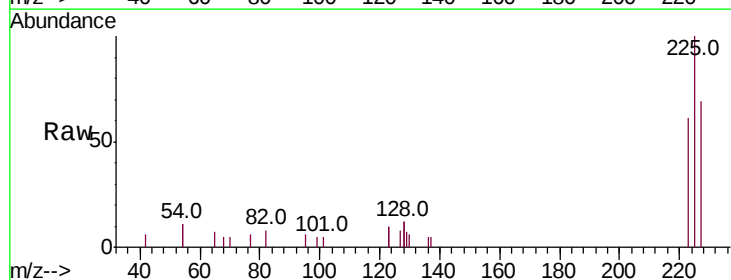
Tgt Ion:225 Resp: 1582

Ion Ratio Lower Upper

225 100

223 63.5 47.8 71.8

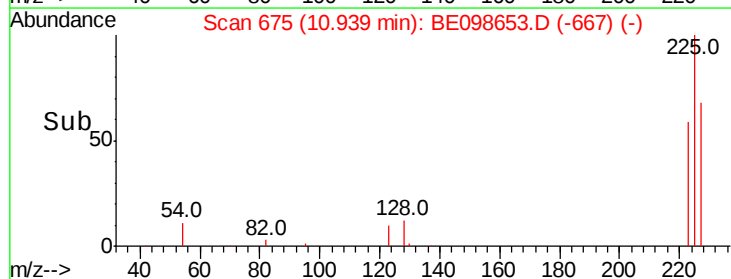
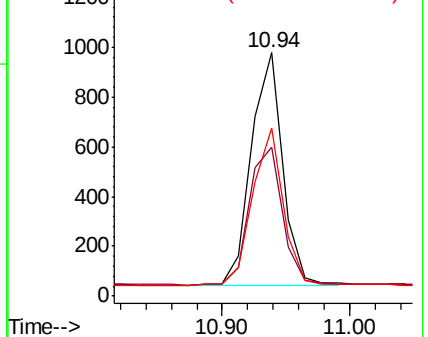
227 66.1 50.5 75.7

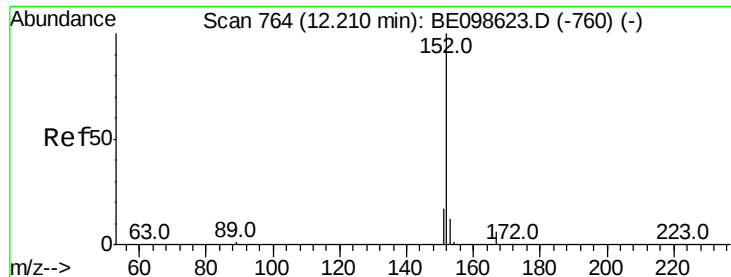


Abundance Ion 225.00 (224.70 to 225.70): E

Ion 223.00 (222.70 to 223.70): E

Ion 227.00 (226.70 to 227.70): E

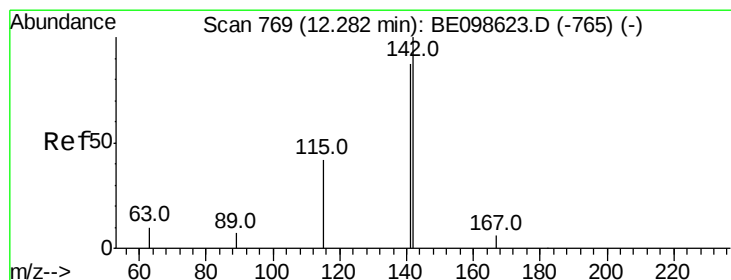
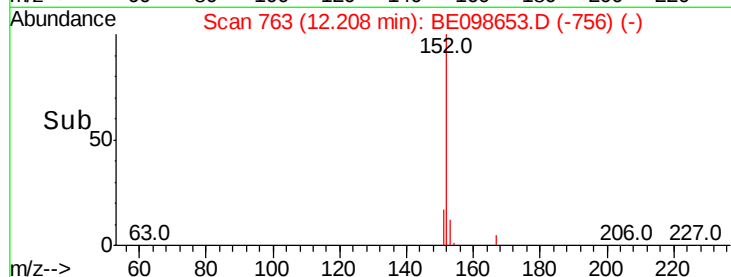
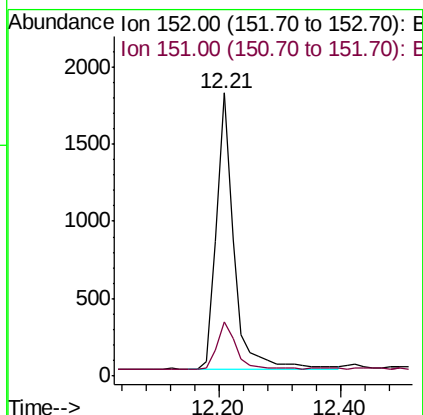
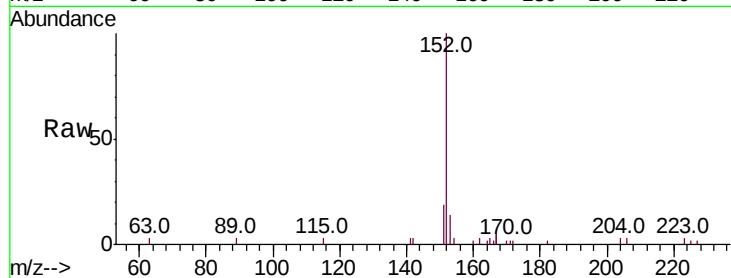




#11
2-Methylnaphthalene-d10
Concen: 0.347 ng
RT: 12.21 min Scan# 763
Delta R.T. -0.00 min
Lab File: BE098653.D
Acq: 17 Jan 2019 19:02

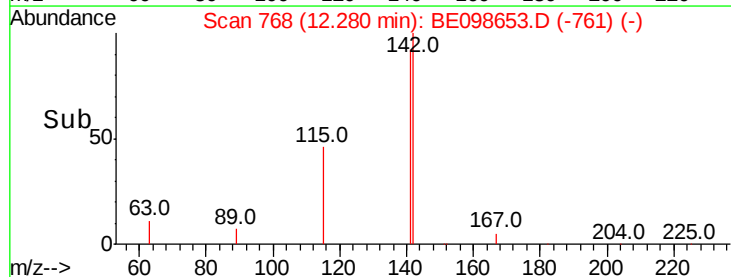
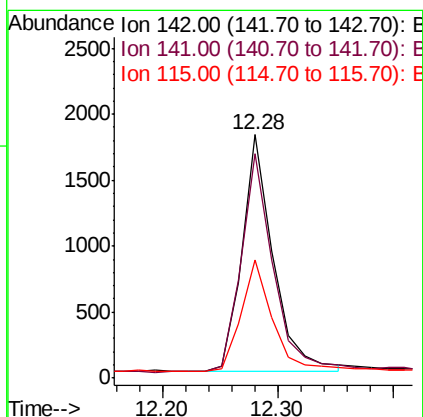
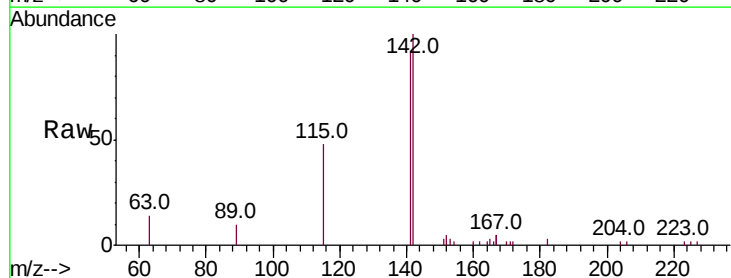
Instrument :
BNA_E
ClientSampleId :
PB116461BS

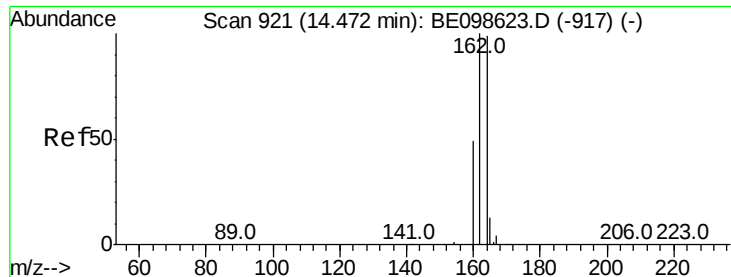
Tot Ion:152 Resp: 3568
Ion Ratio Lower Upper
152 100
151 19.1 16.2 24.4



#12
2-Methylnaphthalene
Concen: 0.327 ng
RT: 12.28 min Scan# 768
Delta R.T. -0.00 min
Lab File: BE098653.D
Acq: 17 Jan 2019 19:02

Tgt Ion:142 Resp: 3372
Ion Ratio Lower Upper
142 100
141 92.3 70.0 105.0
115 48.3 35.2 52.8

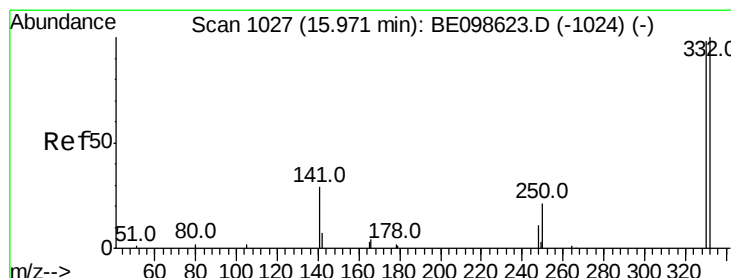
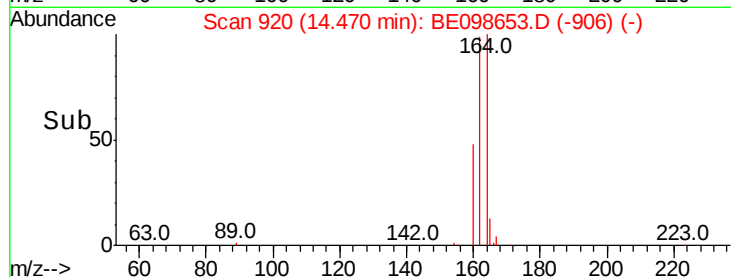
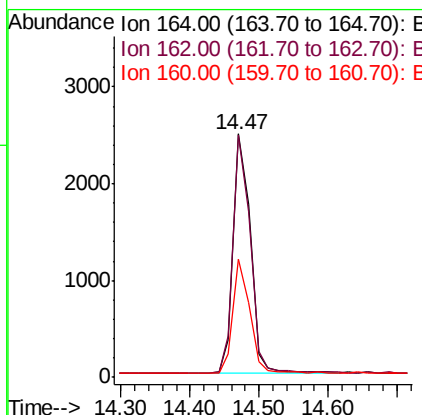
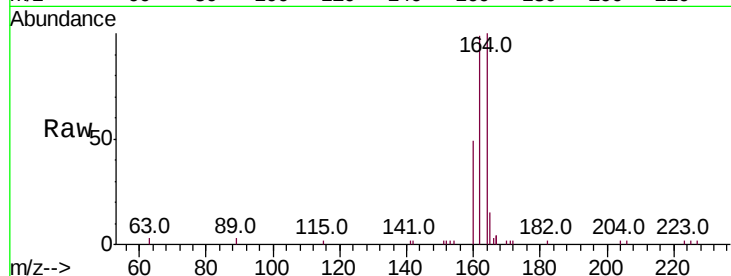




#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.47 min Scan# 920
Delta R.T. -0.00 min
Lab File: BE098653.D
Acq: 17 Jan 2019 19:02

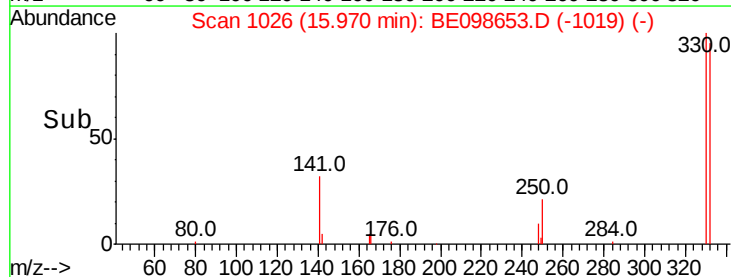
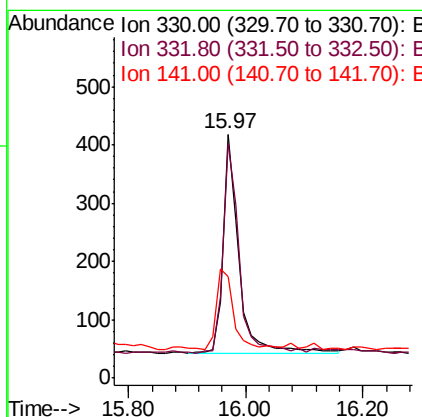
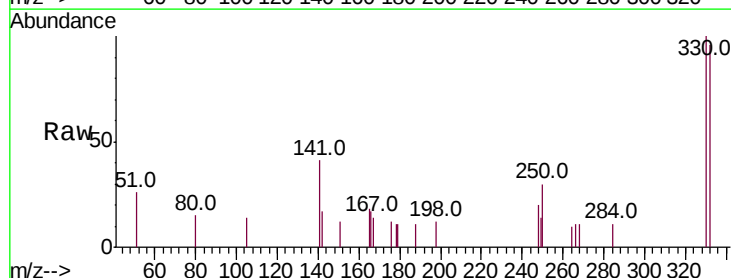
Instrument :
BNA_E
ClientSampleId :
PB116461BS

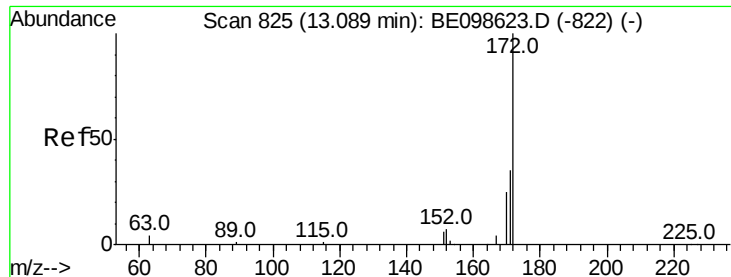
Tot Ion:164 Resp: 4236
Ion Ratio Lower Upper
164 100
162 99.4 80.5 120.7
160 48.6 40.1 60.1



#14
2,4,6-Tribromophenol
Concen: 0.382 ng
RT: 15.97 min Scan# 1026
Delta R.T. -0.00 min
Lab File: BE098653.D
Acq: 17 Jan 2019 19:02

Tgt Ion:330 Resp: 704
Ion Ratio Lower Upper
330 100
332 98.3 73.3 109.9
141 39.5 33.1 49.7

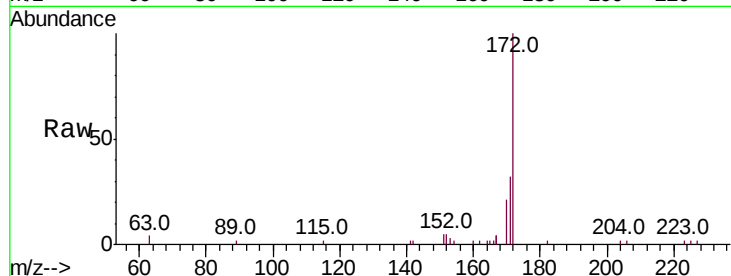




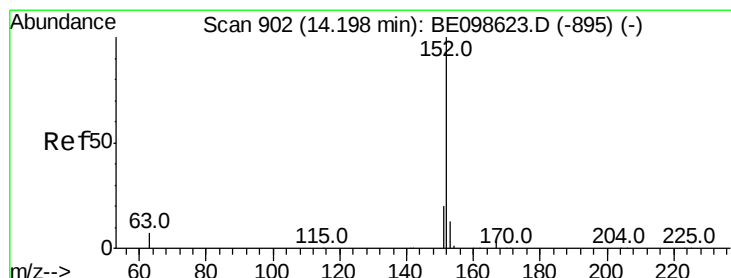
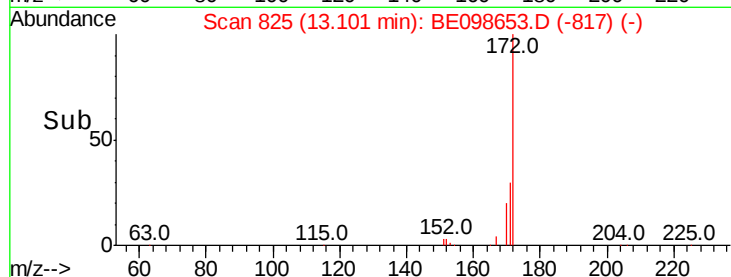
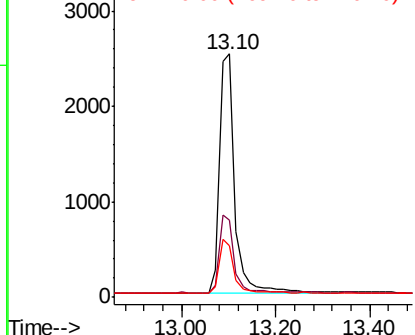
#15
2-Fluorobiphenyl
Concen: 0.325 ng
RT: 13.10 min Scan# 825
Delta R.T. 0.01 min
Lab File: BE098653.D
Acq: 17 Jan 2019 19:02

Instrument :
BNA_E
ClientSampleId :
PB116461BS

Tot Ion:172 Resp: 5646
Ion Ratio Lower Upper
172 100
171 31.5 29.0 43.4
170 21.3 20.8 31.2

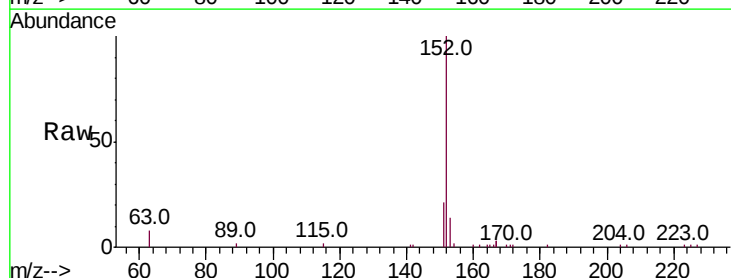


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

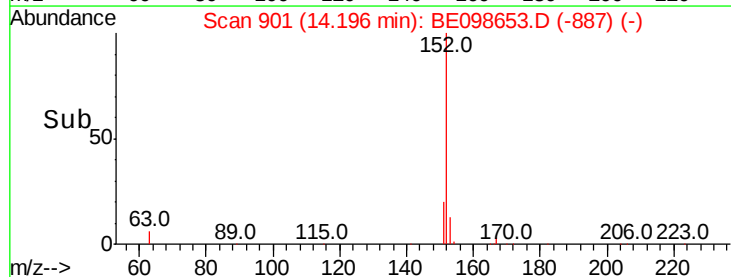
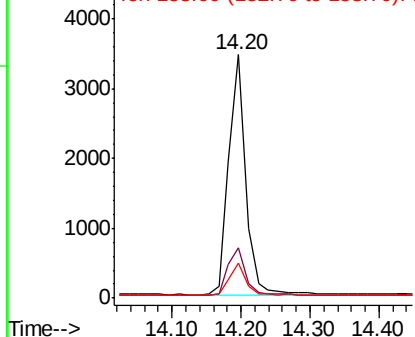


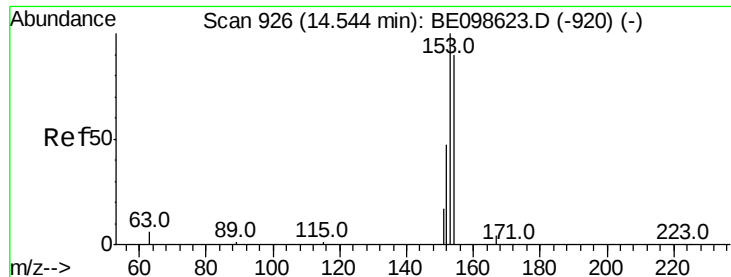
#16
Acenaphthylene
Concen: 0.324 ng
RT: 14.20 min Scan# 901
Delta R.T. -0.00 min
Lab File: BE098653.D
Acq: 17 Jan 2019 19:02

Tgt Ion:152 Resp: 5935
Ion Ratio Lower Upper
152 100
151 20.1 16.3 24.5
153 12.3 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: 0.326 ng

RT: 14.54 min Scan# 925

Delta R.T. -0.00 min

Lab File: BE098653.D

Acq: 17 Jan 2019 19:02

Instrument :

BNA_E

ClientSampleId :

PB116461BS

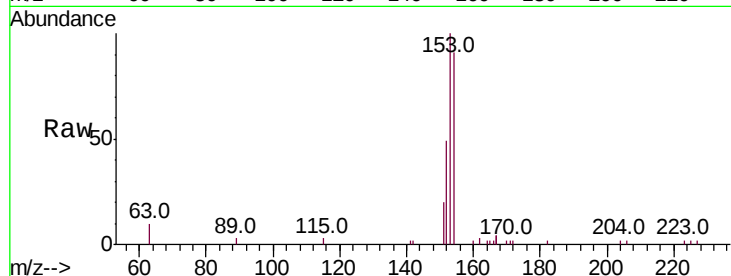
Tot Ion:154 Resp: 3752

Ion Ratio Lower Upper

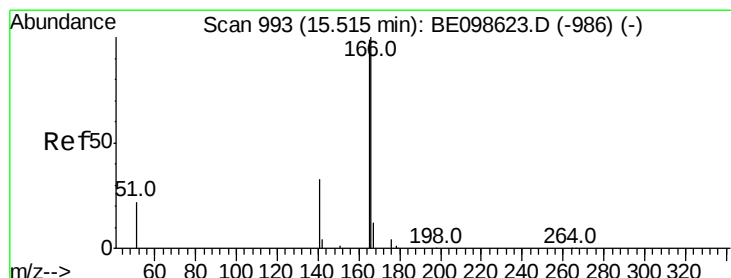
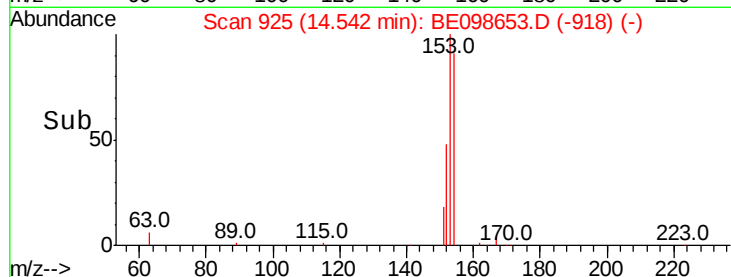
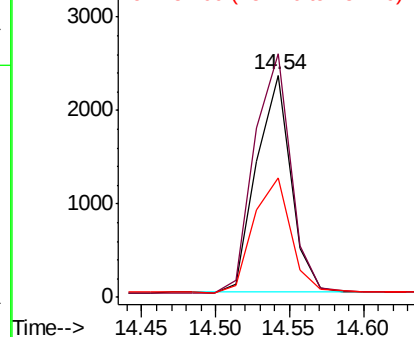
154 100

153 116.6 93.9 140.9

152 56.7 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: 0.338 ng

RT: 15.51 min Scan# 992

Delta R.T. -0.00 min

Lab File: BE098653.D

Acq: 17 Jan 2019 19:02

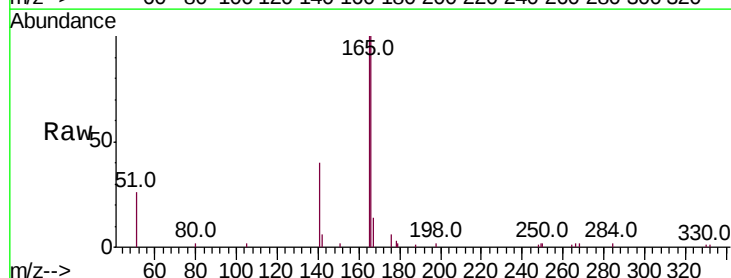
Tgt Ion:166 Resp: 5067

Ion Ratio Lower Upper

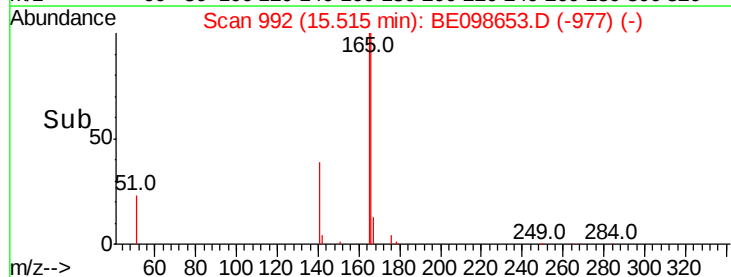
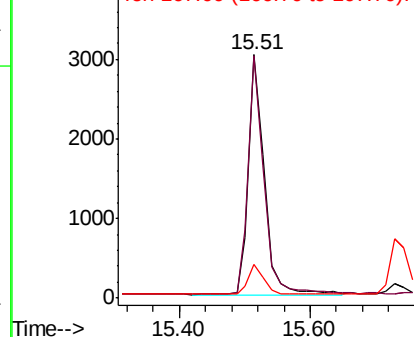
166 100

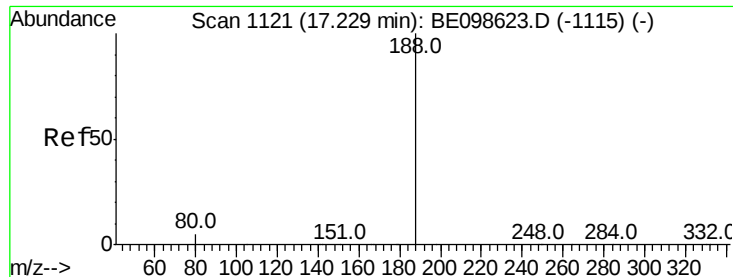
165 98.0 79.3 118.9

167 12.8 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: BE098653.D

Acq: 17 Jan 2019 19:02

Instrument :

BNA_E

ClientSampleId :

PB116461BS

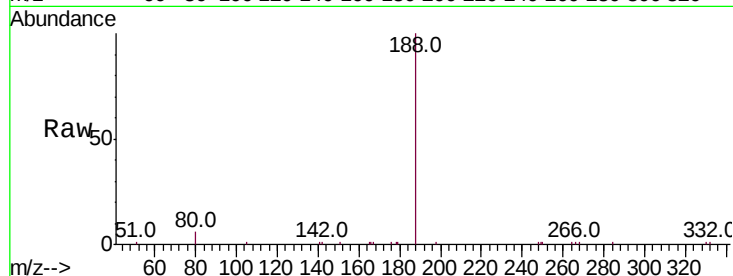
Tot Ion:188 Resp: 10085

Ion Ratio Lower Upper

188 100

94 0.0 0.0 0.0

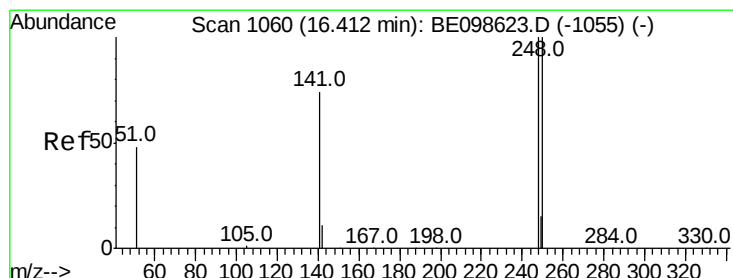
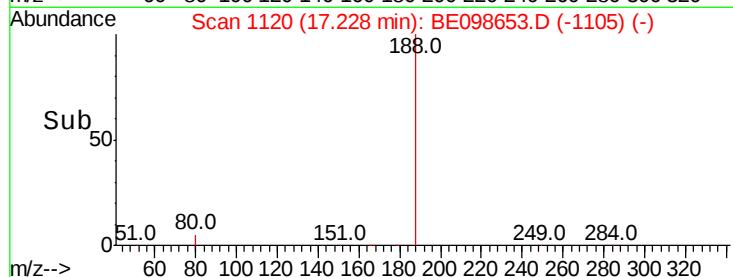
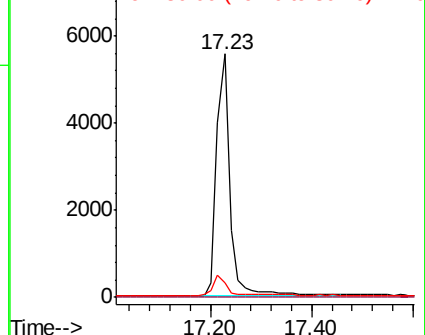
80 6.2 4.7 7.1



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: 0.327 ng

RT: 16.41 min Scan# 1059

Delta R.T. -0.00 min

Lab File: BE098653.D

Acq: 17 Jan 2019 19:02

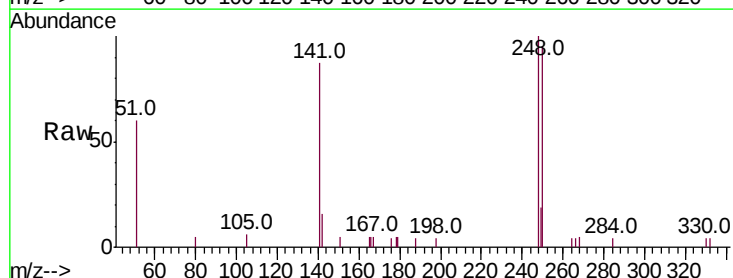
Tgt Ion:248 Resp: 1746

Ion Ratio Lower Upper

248 100

250 95.1 80.2 120.4

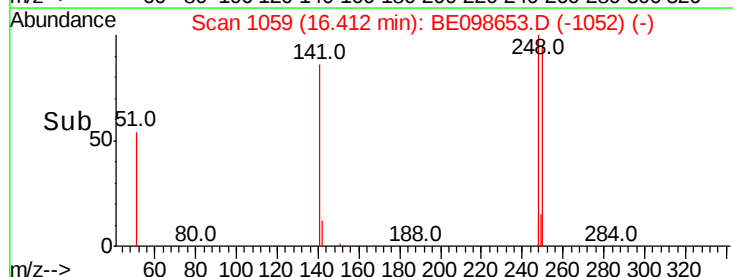
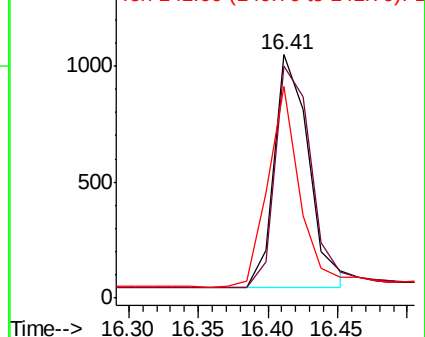
141 86.9 60.5 90.7

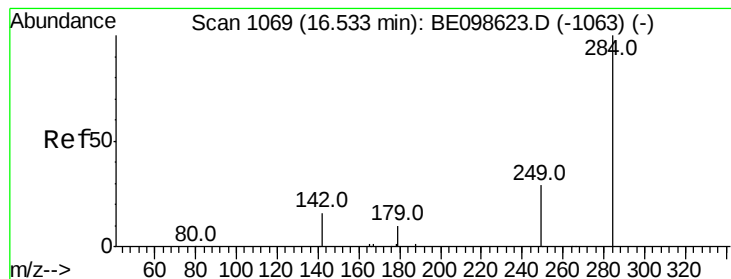


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E





#21

Hexachlorobenzene

Concen: 0.342 ng

RT: 16.53 min Scan# 1068

Delta R.T. -0.00 min

Lab File: BE098653.D

Acq: 17 Jan 2019 19:02

Instrument :

BNA_E

ClientSampleId :

PB116461BS

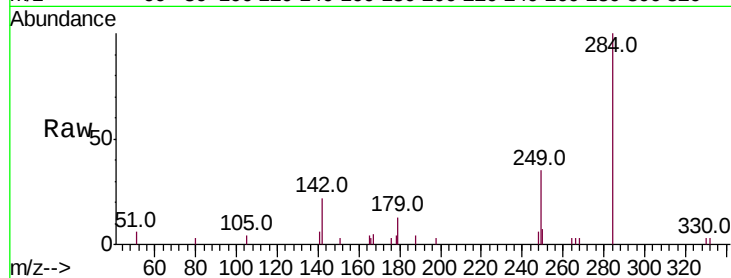
Tot Ion:284 Resp: 2208

Ion Ratio Lower Upper

284 100

142 33.2 25.5 38.3

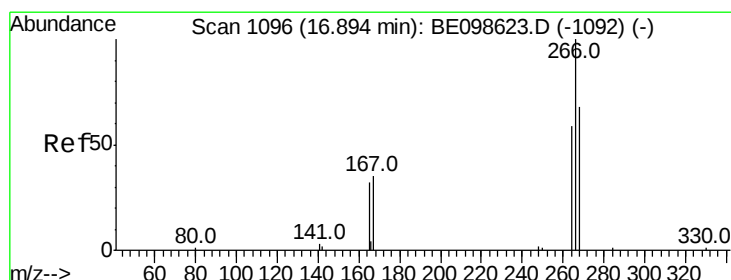
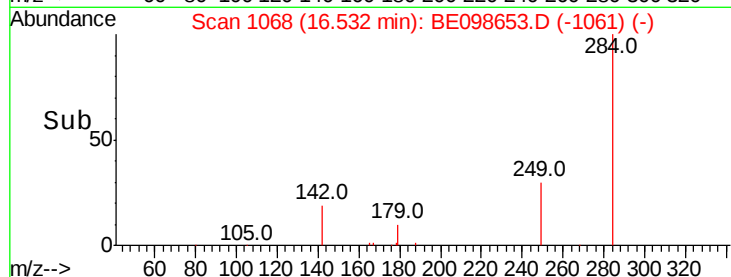
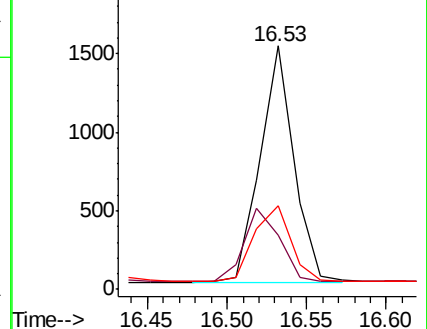
249 35.0 26.6 39.8



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: 0.459 ng

RT: 16.89 min Scan# 1095

Delta R.T. -0.00 min

Lab File: BE098653.D

Acq: 17 Jan 2019 19:02

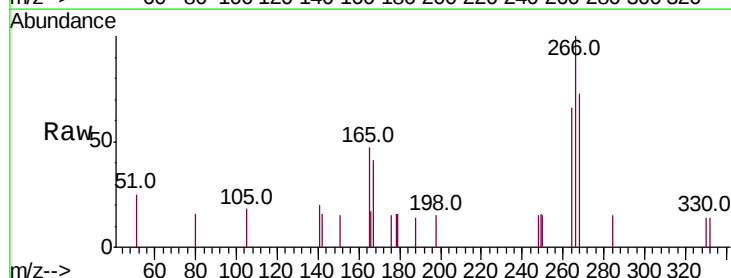
Tgt Ion:266 Resp: 682

Ion Ratio Lower Upper

266 100

264 66.0 53.7 80.5

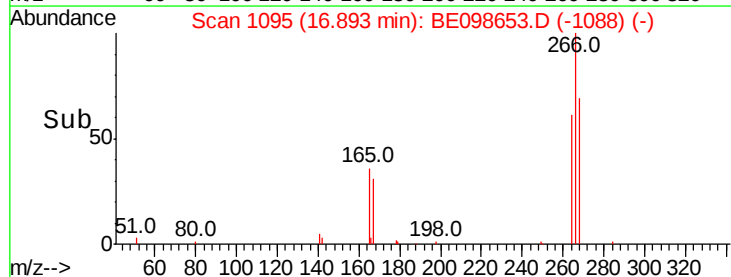
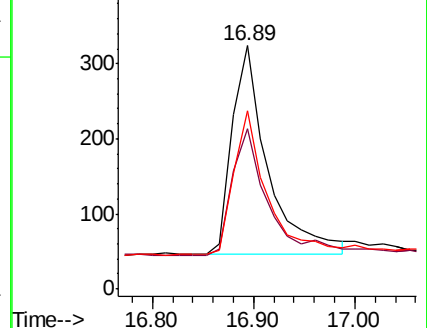
268 73.1 59.8 89.8

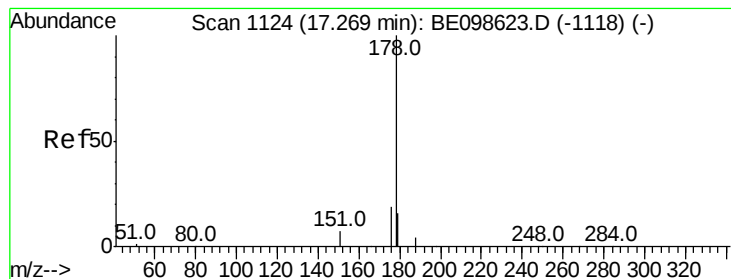


Abundance Ion 266.00 (265.70 to 266.70): E

Ion 264.00 (263.70 to 264.70): E

Ion 268.00 (267.70 to 268.70): E





#23

Phenanthrene

Concen: 0.332 ng

RT: 17.27 min Scan# 1123

Delta R.T. -0.00 min

Lab File: BE098653.D

Acq: 17 Jan 2019 19:02

Instrument :

BNA_E

ClientSampleId :

PB116461BS

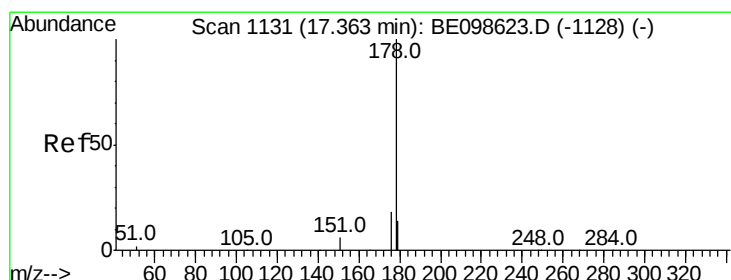
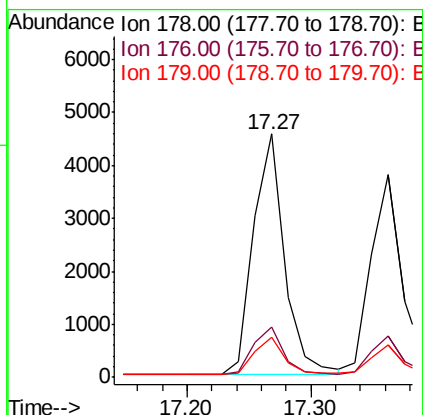
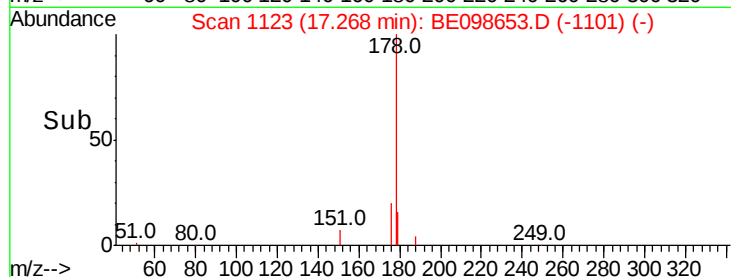
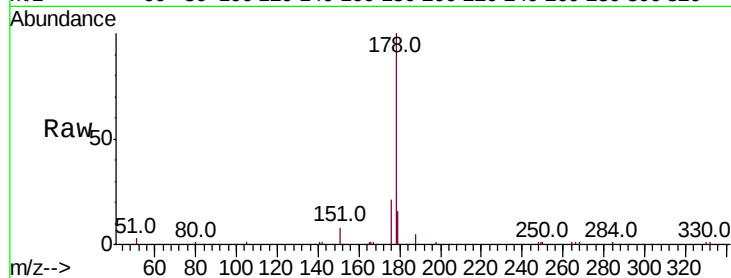
Tot Ion:178 Resp: 7931

Ion Ratio Lower Upper

178 100

176 19.7 15.9 23.9

179 15.3 12.2 18.4



#24

Anthracene

Concen: 0.318 ng

RT: 17.36 min Scan# 1130

Delta R.T. -0.00 min

Lab File: BE098653.D

Acq: 17 Jan 2019 19:02

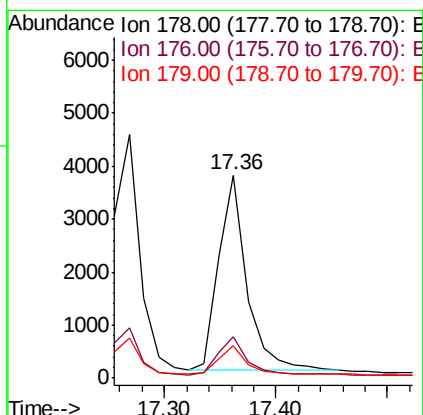
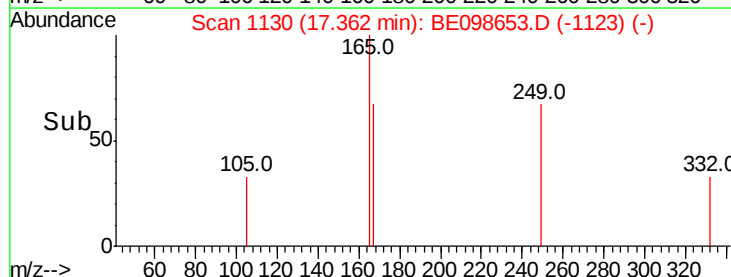
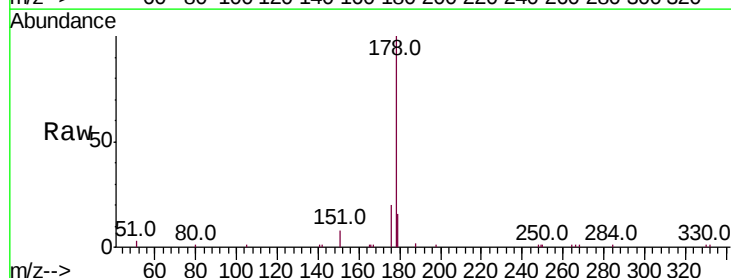
Tgt Ion:178 Resp: 6511

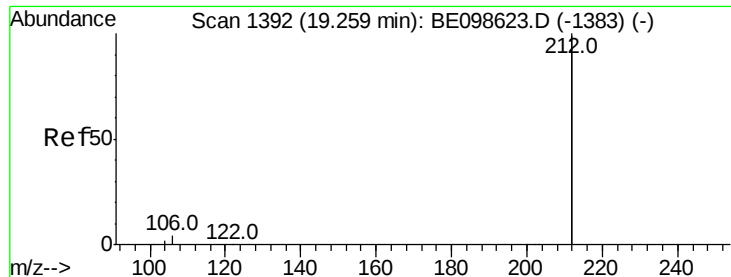
Ion Ratio Lower Upper

178 100

176 19.2 14.9 22.3

179 14.3 11.8 17.8





#25

Fluoranthene-d10

Concen: 0.330 ng

RT: 19.26 min Scan# 1391

Delta R.T. 0.00 min

Lab File: BE098653.D

Acq: 17 Jan 2019 19:02

Instrument :

BNA_E

ClientSampleId :

PB116461BS

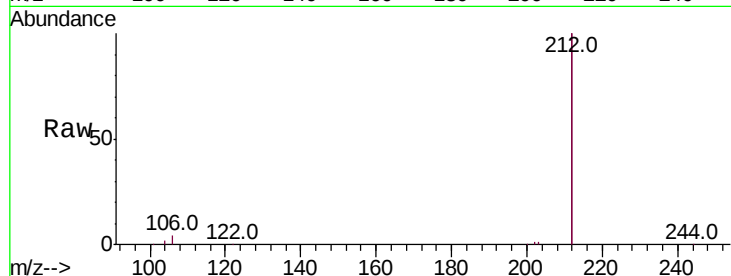
Tot Ion:212 Resp: 41189

Ion Ratio Lower Upper

212 100

106 1.9 1.7 2.5

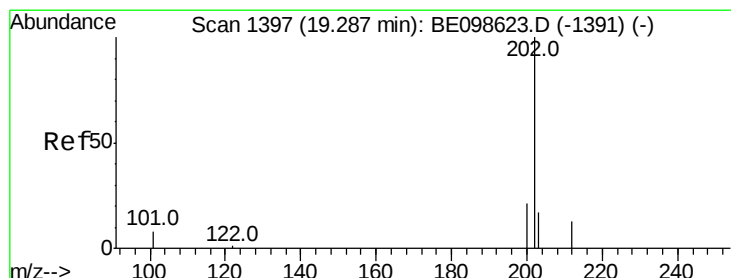
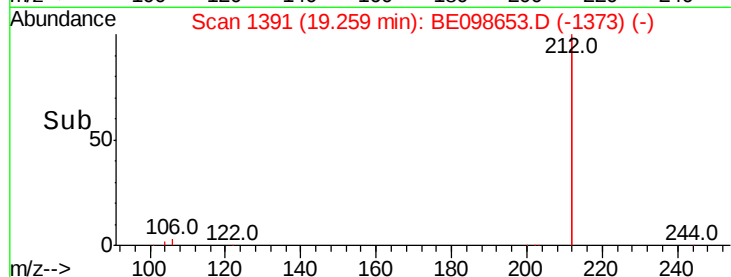
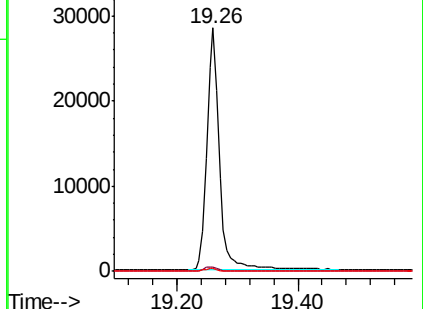
104 1.1 1.0 1.6



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: 0.323 ng

RT: 19.29 min Scan# 1396

Delta R.T. 0.00 min

Lab File: BE098653.D

Acq: 17 Jan 2019 19:02

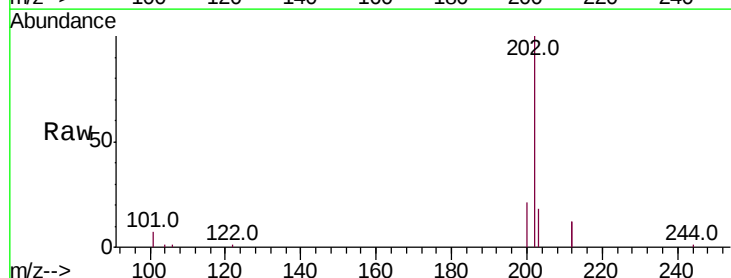
Tgt Ion:202 Resp: 9934

Ion Ratio Lower Upper

202 100

101 7.5 6.7 10.1

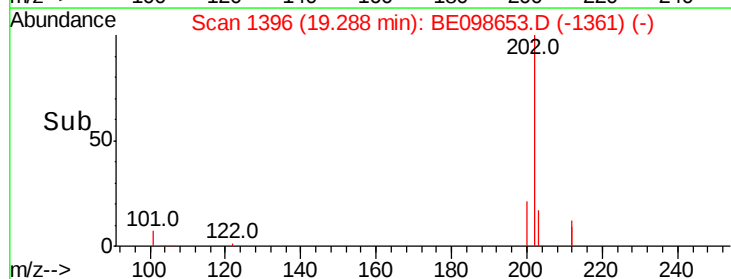
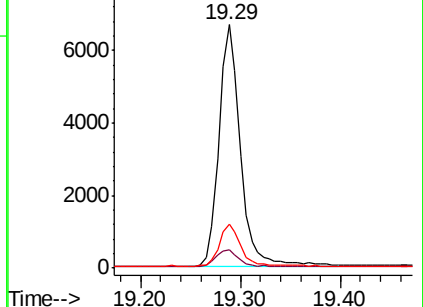
203 16.8 13.3 19.9

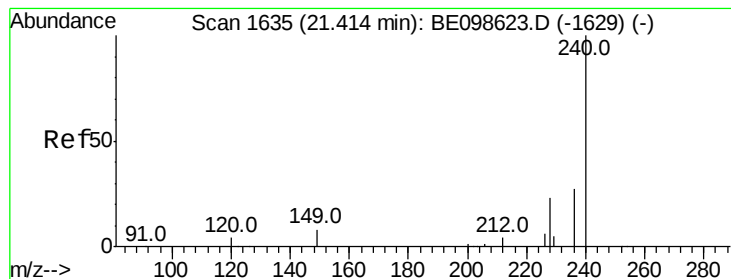


Abundance Ion 202.00 (201.70 to 202.70): E

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: 21.42 min Scan# 1634

Delta R.T. 0.00 min

Lab File: BE098653.D

Acq: 17 Jan 2019 19:02

Instrument :

BNA_E

ClientSampleId :

PB116461BS

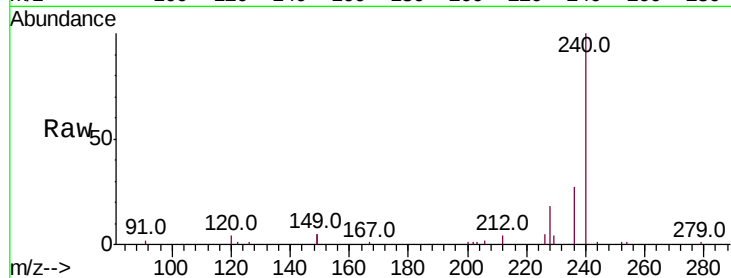
Tot Ion:240 Resp: 11334

Ion Ratio Lower Upper

240 100

120 3.8 4.7 7.1#

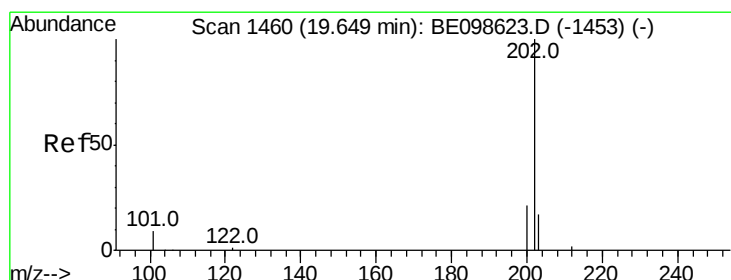
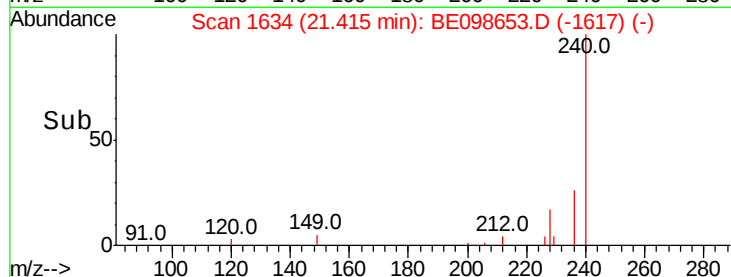
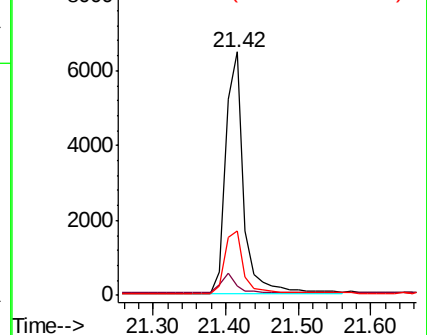
236 26.6 21.9 32.9



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: 0.338 ng

RT: 19.65 min Scan# 1459

Delta R.T. 0.00 min

Lab File: BE098653.D

Acq: 17 Jan 2019 19:02

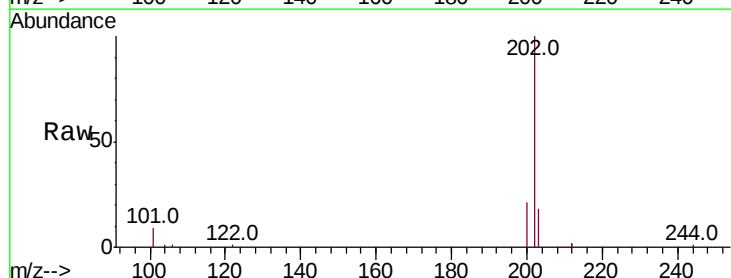
Tgt Ion:202 Resp: 10532

Ion Ratio Lower Upper

202 100

200 20.9 17.0 25.6

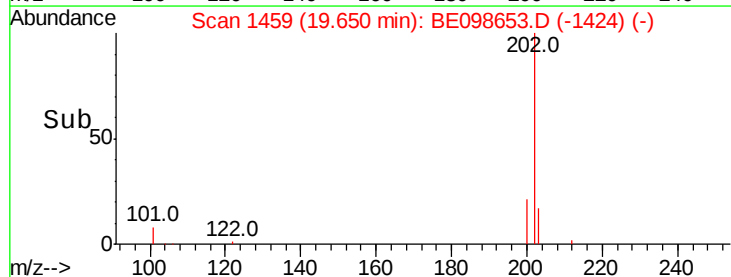
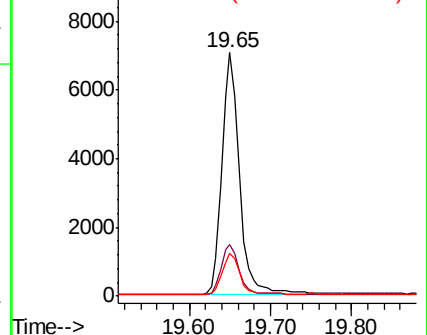
203 17.2 13.8 20.8

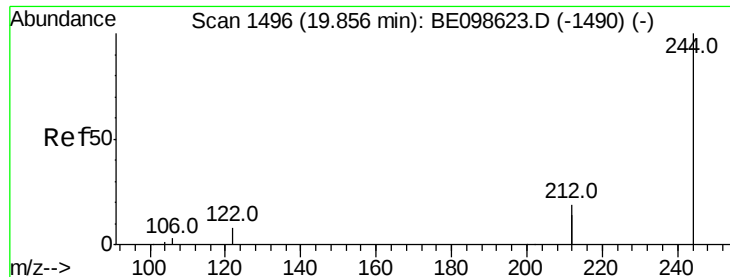


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#29

Terphenyl-d14

Concen: 0.339 ng

RT: 19.86 min Scan# 1495

Delta R.T. 0.00 min

Lab File: BE098653.D

Acq: 17 Jan 2019 19:02

Instrument :

BNA_E

ClientSampleId :

PB116461BS

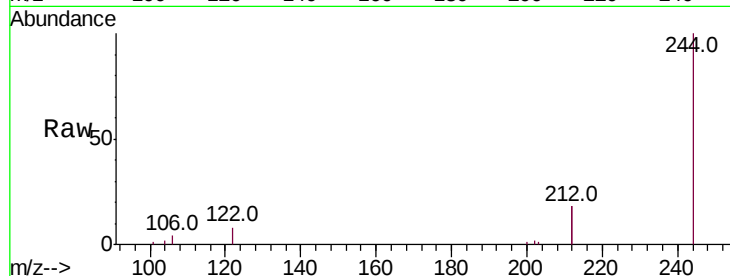
Tot Ion:244 Resp: 8497

Ion Ratio Lower Upper

244 100

212 36.8 29.4 44.2

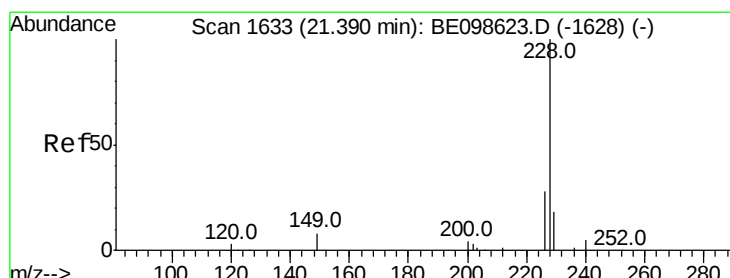
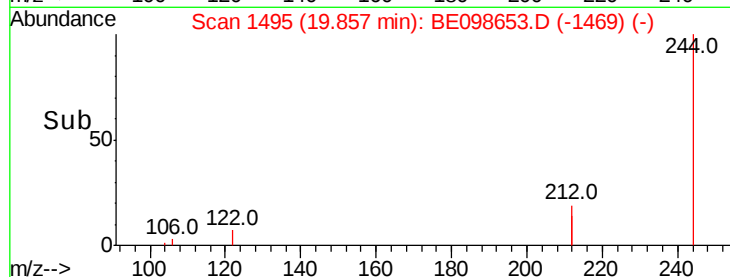
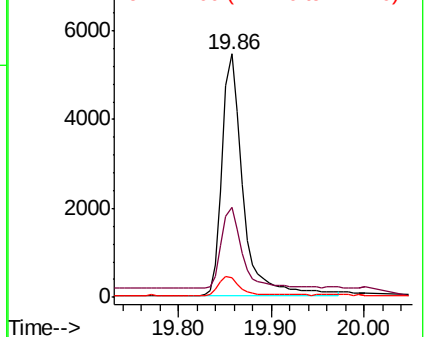
122 7.9 7.1 10.7



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: 0.341 ng

RT: 21.39 min Scan# 1632

Delta R.T. 0.00 min

Lab File: BE098653.D

Acq: 17 Jan 2019 19:02

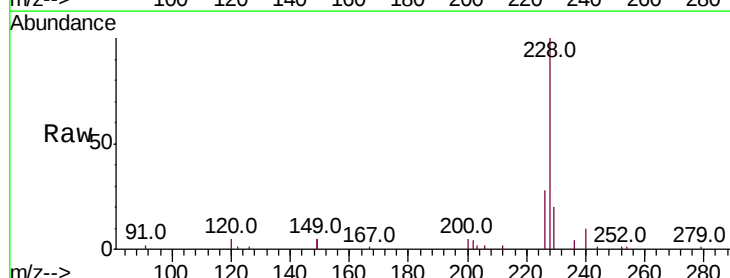
Tgt Ion:228 Resp: 10399

Ion Ratio Lower Upper

228 100

226 27.7 23.0 34.4

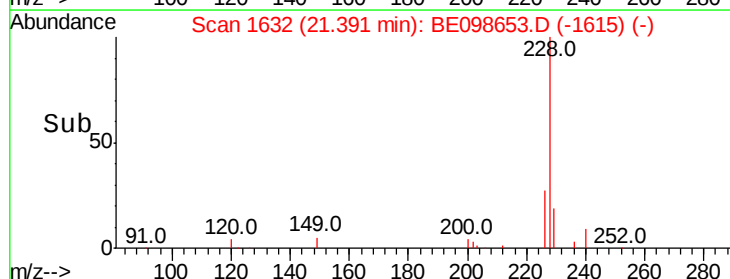
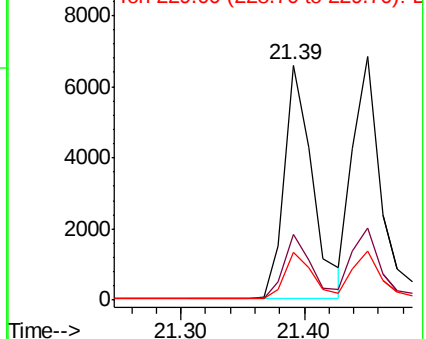
229 20.1 15.0 22.6

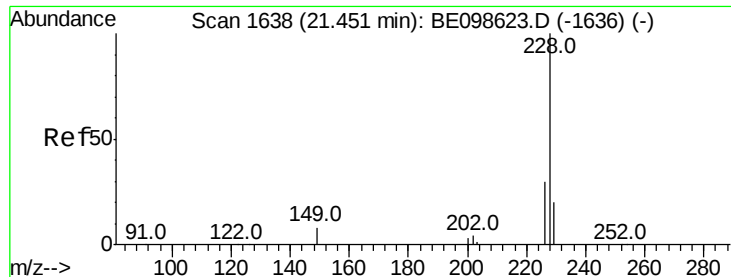


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#31

Chrysene

Concen: 0.333 ng

RT: 21.45 min Scan# 1637

Delta R.T. 0.00 min

Lab File: BE098653.D

Acq: 17 Jan 2019 19:02

Instrument :

BNA_E

ClientSampleId :

PB116461BS

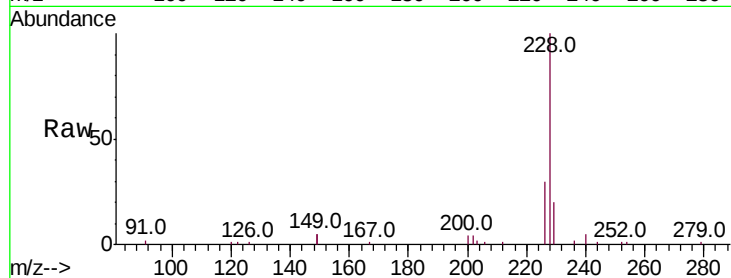
Tot Ion:228 Resp: 10519

Ion Ratio Lower Upper

228 100

226 29.9 24.6 36.8

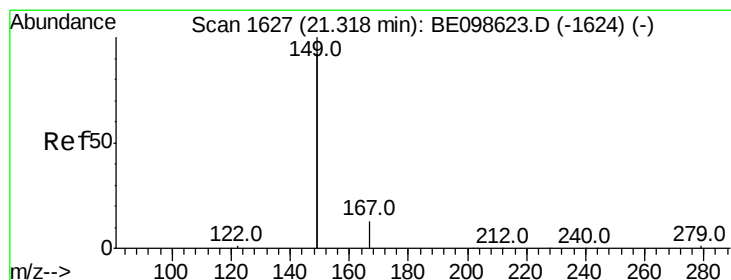
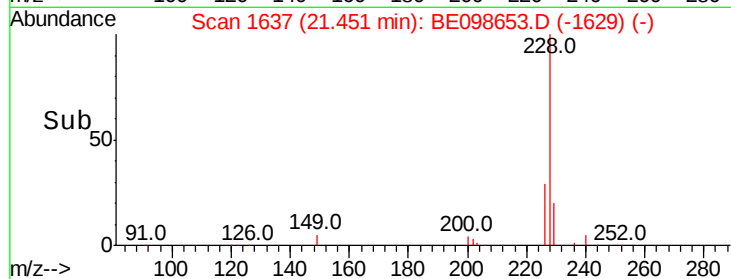
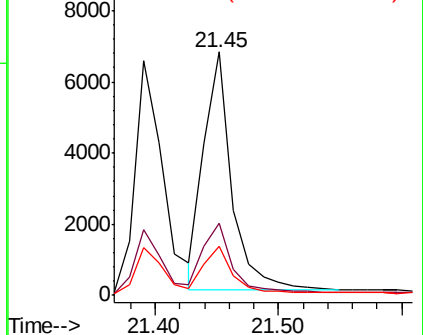
229 20.3 16.4 24.6



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: 0.308 ng

RT: 21.32 min Scan# 1626

Delta R.T. 0.00 min

Lab File: BE098653.D

Acq: 17 Jan 2019 19:02

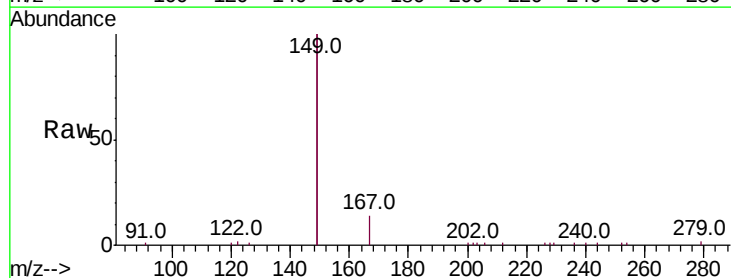
Tgt Ion:149 Resp: 19891

Ion Ratio Lower Upper

149 100

167 6.8 5.4 8.2

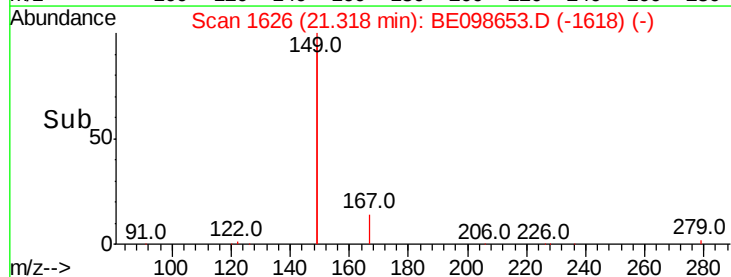
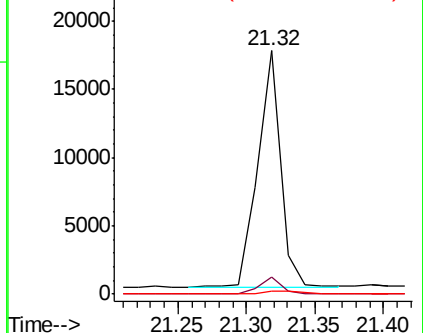
279 1.2 1.0 1.4

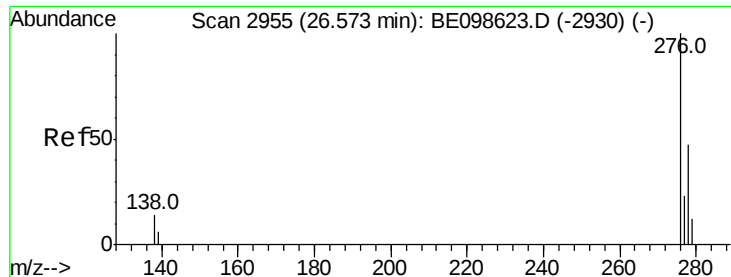


Abundance Ion 149.00 (148.70 to 149.70): E

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: 0.358 ng

RT: 26.57 min Scan# 2953

Delta R.T. -0.00 min

Lab File: BE098653.D

Acq: 17 Jan 2019 19:02

Instrument :

BNA_E

ClientSampleId :

PB116461BS

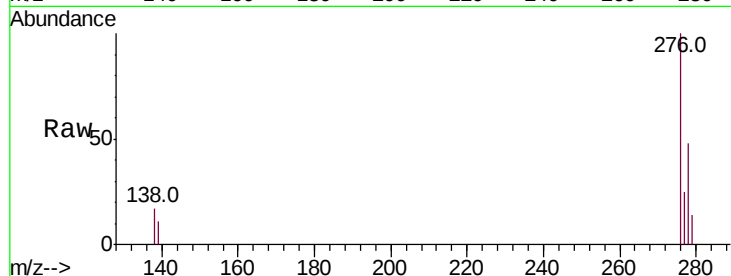
Tot Ion:276 Resp: 11660

Ion Ratio Lower Upper

276 100

138 17.3 13.3 19.9

277 24.3 19.4 29.0

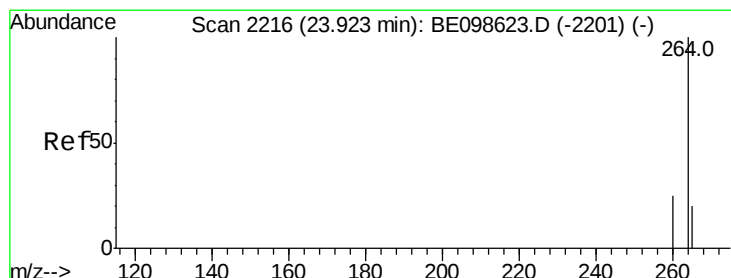
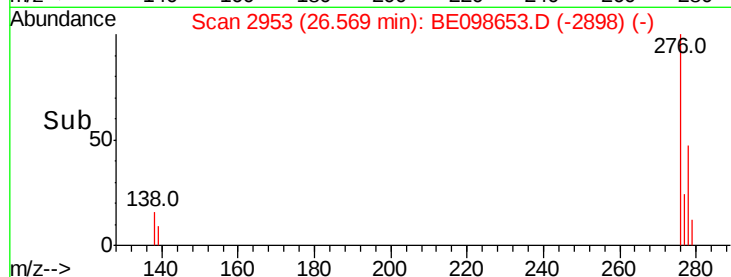
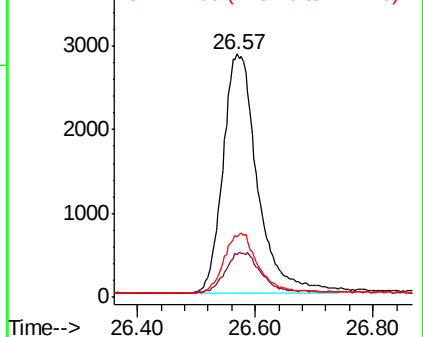


Abundance

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



#34

Perylene-d12

Concen: 0.400 ng

RT: 23.92 min Scan# 2215

Delta R.T. -0.00 min

Lab File: BE098653.D

Acq: 17 Jan 2019 19:02

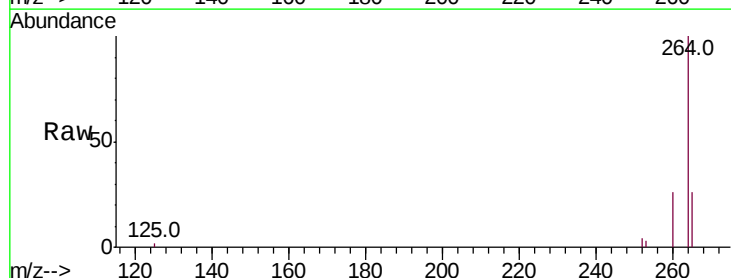
Tgt Ion:264 Resp: 10926

Ion Ratio Lower Upper

264 100

260 26.3 20.5 30.7

265 26.0 22.3 33.5

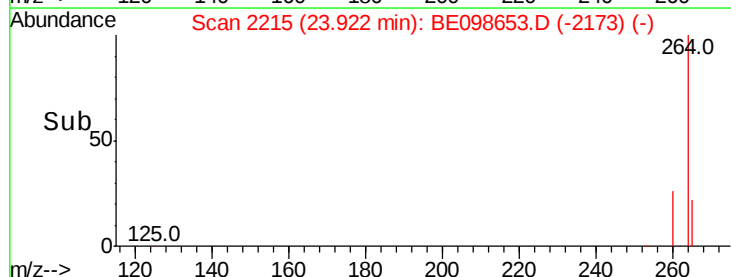
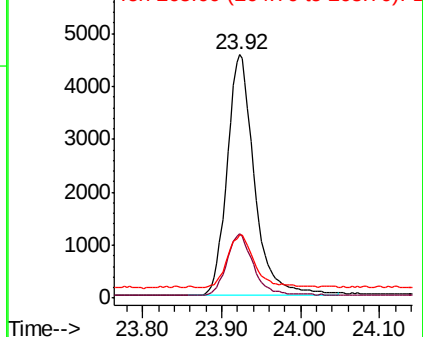


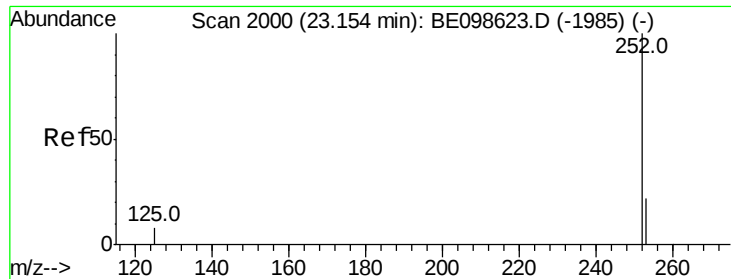
Abundance

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





#35

Benzo(b)fluoranthene

Concen: 0.336 ng

RT: 23.15 min Scan# 1999

Delta R.T. -0.00 min

Lab File: BE098653.D

Acq: 17 Jan 2019 19:02

Instrument :

BNA_E

ClientSampleId :

PB116461BS

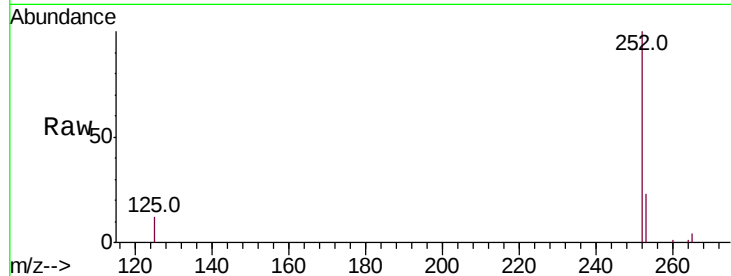
Tot Ion:252 Resp: 10029

Ion Ratio Lower Upper

252 100

253 23.3 19.4 29.0

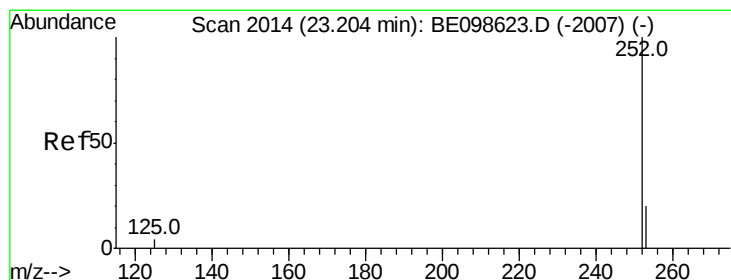
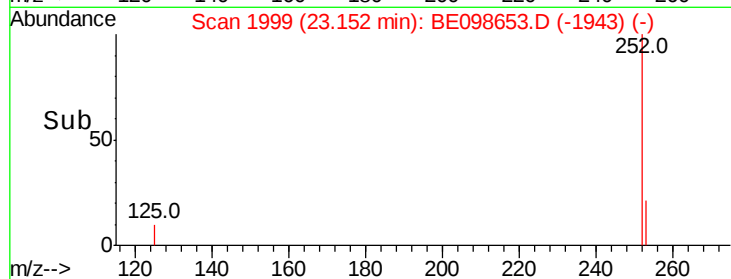
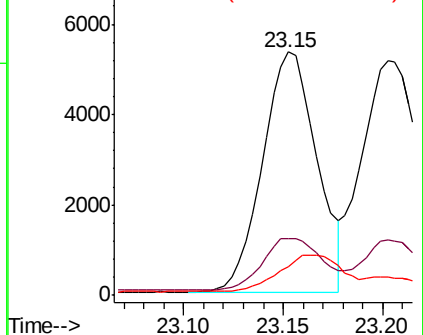
125 11.8 8.2 12.4



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



#36

Benzo(k)fluoranthene

Concen: 0.345 ng

RT: 23.20 min Scan# 2013

Delta R.T. -0.00 min

Lab File: BE098653.D

Acq: 17 Jan 2019 19:02

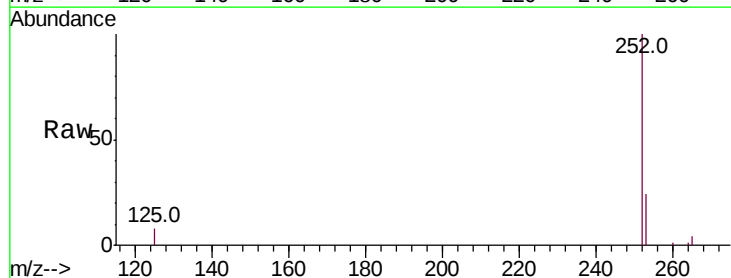
Tgt Ion:252 Resp: 11222

Ion Ratio Lower Upper

252 100

253 23.8 19.0 28.4

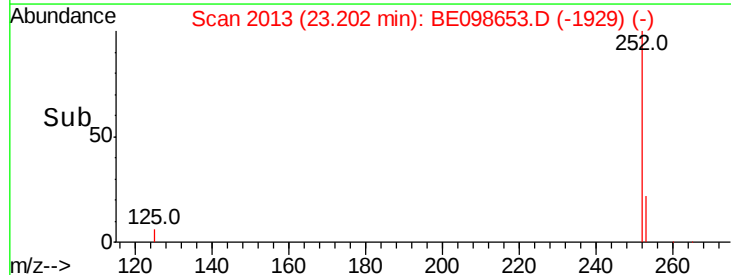
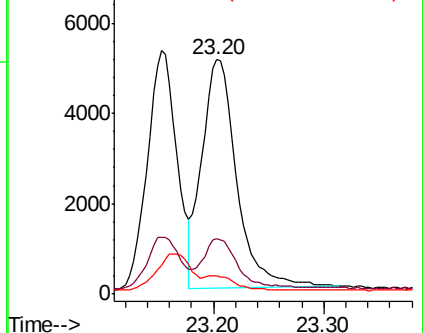
125 7.9 7.0 10.4

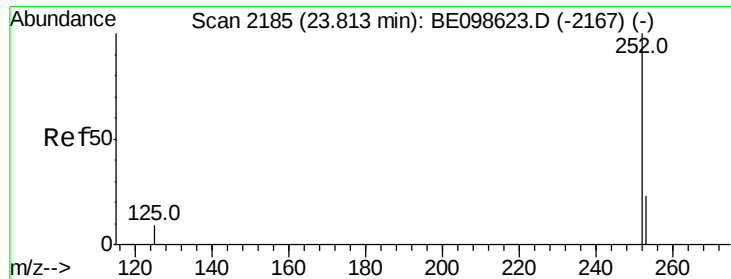


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

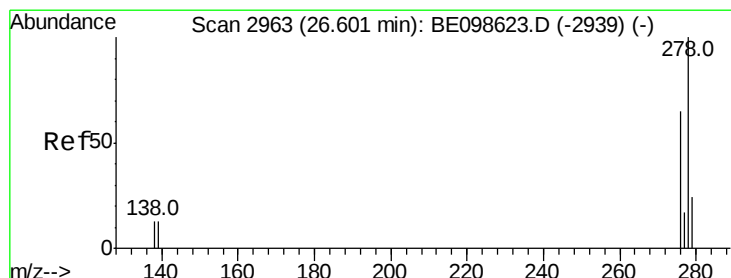
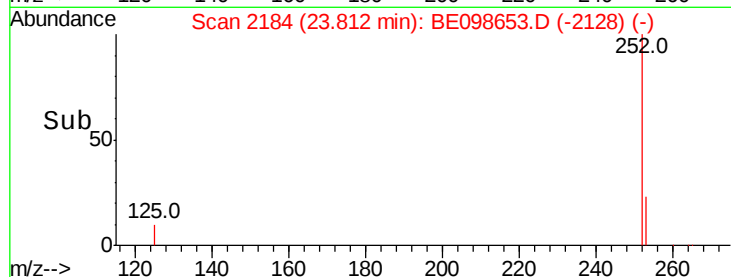
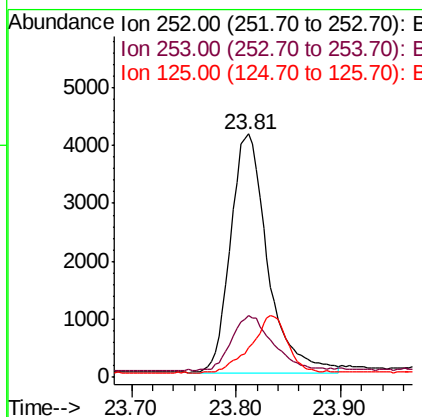
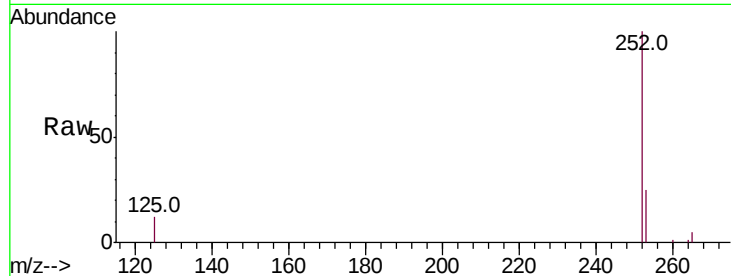




#37
Benzo(a)pyrene
Concen: 0.345 ng
RT: 23.81 min Scan# 2184
Delta R.T. -0.00 min
Lab File: BE098653.D
Acq: 17 Jan 2019 19:02

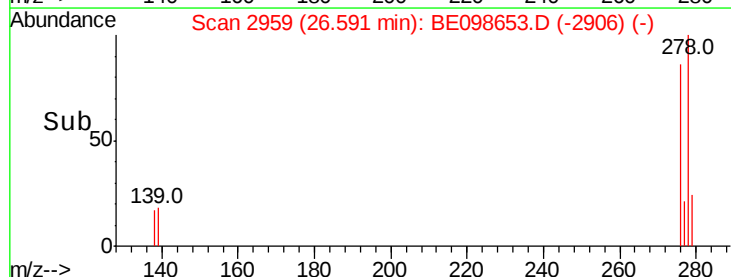
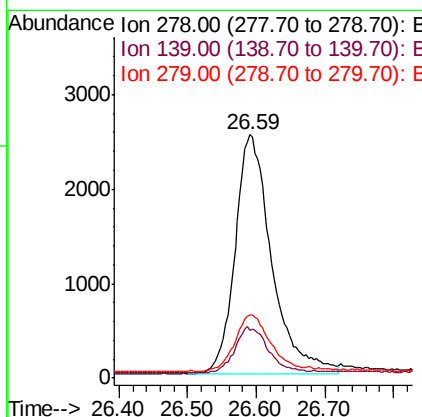
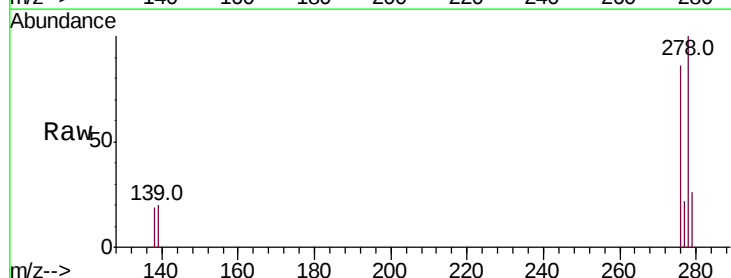
Instrument :
BNA_E
ClientSampleId :
PB116461BS

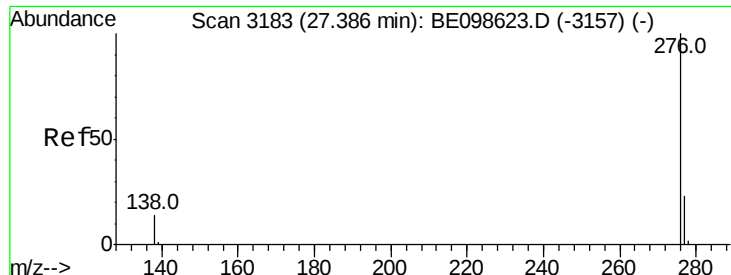
Tot Ion:252 Resp: 10100
Ion Ratio Lower Upper
252 100
253 25.5 21.0 31.4
125 12.1 9.2 13.8



#38
Dibenzo(a,h)anthracene
Concen: 0.361 ng
RT: 26.59 min Scan# 2959
Delta R.T. -0.01 min
Lab File: BE098653.D
Acq: 17 Jan 2019 19:02

Tgt Ion:278 Resp: 9363
Ion Ratio Lower Upper
278 100
139 19.6 12.7 19.1#
279 26.1 22.0 33.0





#39

Benzo(a,h,i)perylene

Concen: 0.344 ng

RT: 27.38 min Scan# 3181

Delta R.T. -0.00 min

Lab File: BE098653.D

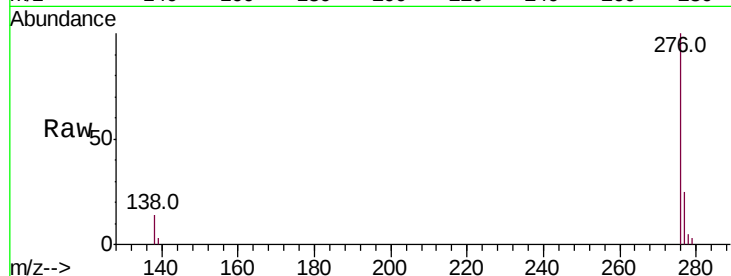
Acq: 17 Jan 2019 19:02

Instrument :

BNA_E

ClientSampleId :

PB116461BS



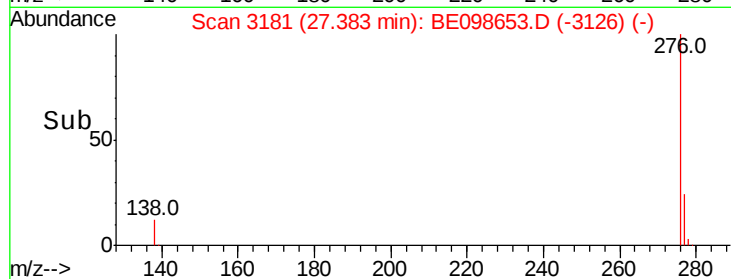
Tot Ion:276 Resp: 9786

Ion Ratio Lower Upper

276 100

277 25.2 20.3 30.5

138 14.0 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

