

Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE011819\
 Data File : BE098667.D
 Acq On : 18 Jan 2019 12:08
 Operator : SJ/JU
 Sample : SSTDC00.4
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 PB116504BS

Quant Time: Jan 18 14:41:30 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	7.82	152	1003	0.40	ng	0.01
7) Naphthalene-d8	10.61	136	4542	0.40	ng	0.01
13) Acenaphthene-d10	14.49	164	3119	0.40	ng	0.01
19) Phenanthrene-d10	17.23	188	7566	0.40	ng	0.00
27) Chrysene-d12	21.41	240	8528	0.40	ng	0.00
34) Perylene-d12	23.93	264	8206	0.40	ng	0.00

System Monitoring Compounds						
4) 2-Fluorophenol	5.41	112	1036	0.39	ng	0.01
5) Phenol-d6	7.01	99	1557	0.41	ng	0.01
8) Nitrobenzene-d5	8.99	82	1440	0.40	ng	0.03
11) 2-Methylnaphthalene-d10	12.22	152	2752	0.37	ng	0.01
14) 2,4,6-Tribromophenol	15.98	330	524	0.39	ng	0.01
15) 2-Fluorobiphenyl	13.10	172	4422	0.35	ng	0.01
25) Fluoranthene-d10	19.26	212	33020	0.35	ng	0.00
29) Terphenyl-d14	19.86	244	6604	0.35	ng	0.00

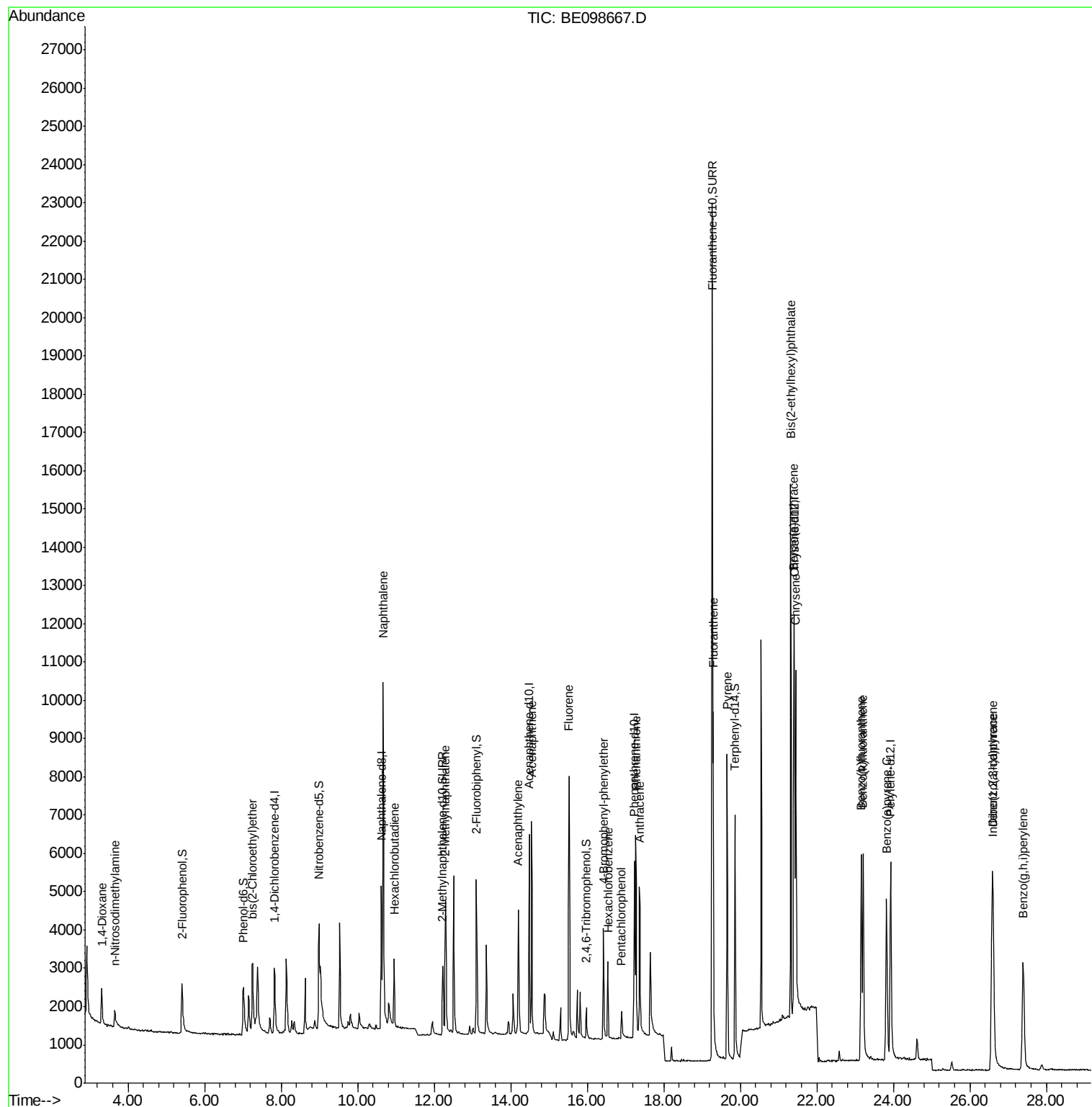
Target Compounds				Qvalue		
2) 1,4-Dioxane	3.31	88	733	0.396	ng	89
3) n-Nitrosodimethylamine	3.65	42	628	0.422	ng	# 13
6) bis(2-Chloroethyl)ether	7.25	93	1023	0.355	ng	97
9) Naphthalene	10.67	128	16527	0.365	ng	100
10) Hexachlorobutadiene	10.95	225	1245	0.385	ng	98
12) 2-Methylnaphthalene	12.30	142	2679	0.357	ng	95
16) Acenaphthylene	14.20	152	4704	0.348	ng	100
17) Acenaphthene	14.54	154	3081	0.364	ng	97
18) Fluorene	15.53	166	3949	0.358	ng	98
20) 4-Bromophenyl-phenylether	16.42	248	1399	0.349	ng	93
21) Hexachlorobenzene	16.54	284	1695	0.350	ng	95
22) Pentachlorophenol	16.89	266	542	0.474	ng	90
23) Phenanthrene	17.27	178	6304	0.352	ng	99
24) Anthracene	17.36	178	5397	0.352	ng	99
26) Fluoranthene	19.29	202	7960	0.345	ng	98
28) Pyrene	19.66	202	8243	0.351	ng	99
30) Benzo(a)anthracene	21.40	228	7928	0.346	ng	97
31) Chrysene	21.45	228	8429	0.355	ng	98
32) Bis(2-ethylhexyl)phthalate	21.32	149	15951	0.328	ng	100
33) Indeno(1,2,3-cd)pyrene	26.58	276	9030	0.368	ng	99
35) Benzo(b)fluoranthene	23.16	252	8009	0.358	ng	100
36) Benzo(k)fluoranthene	23.21	252	8720	0.356	ng	99
37) Benzo(a)pyrene	23.82	252	7934	0.361	ng	98
38) Dibenzo(a,h)anthracene	26.60	278	7440	0.382	ng	98
39) Benzo(g,h,i)perylene	27.39	276	7593	0.356	ng	97

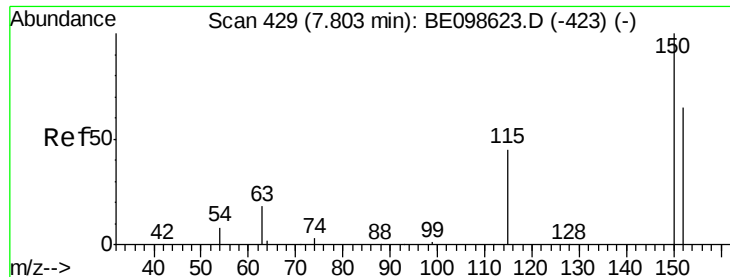
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE011819\
Data File : BE098667.D
Acq On : 18 Jan 2019 12:08
Operator : SJ/JU
Sample : SSTDCCC0.4
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PB116504BS

Quant Time: Jan 18 14:41:30 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



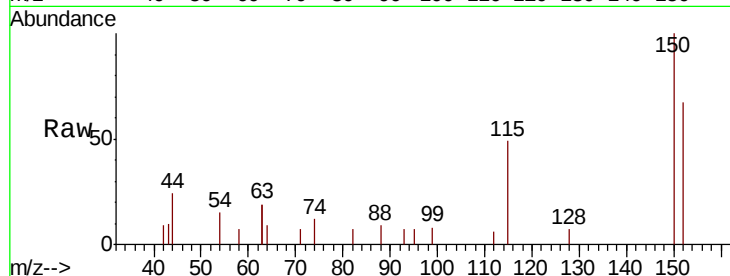


#1

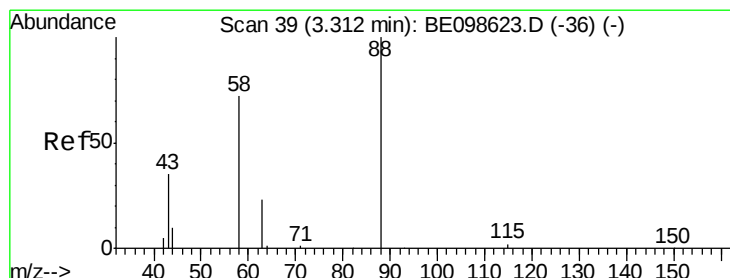
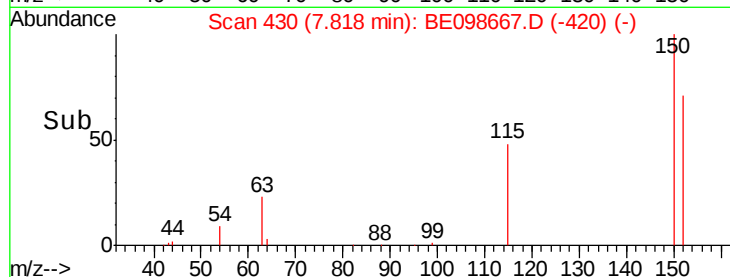
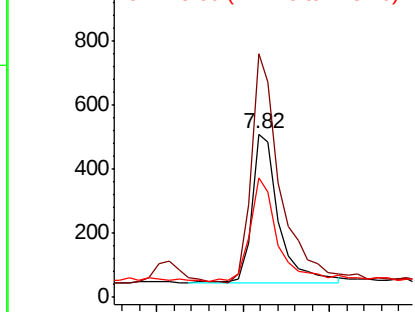
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.82 min Scan# 430
Delta R.T. 0.01 min
Lab File: BE098667.D
Acq: 18 Jan 2019 12:08

Instrument :
BNA_F
ClientSampleId :
PB116504BS

Tot Ion:152 Resp: 1003
Ion Ratio Lower Upper
152 100
150 149.1 121.4 182.2
115 73.1 59.1 88.7



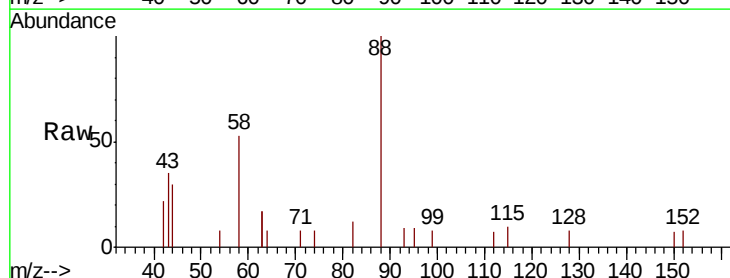
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



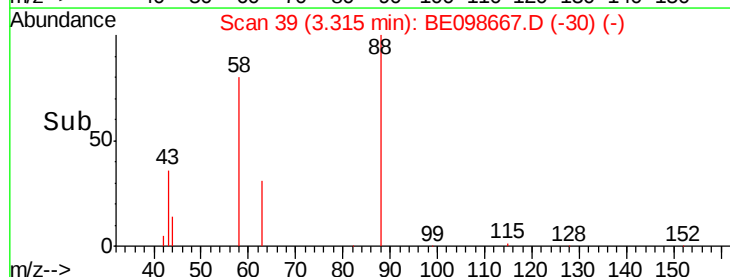
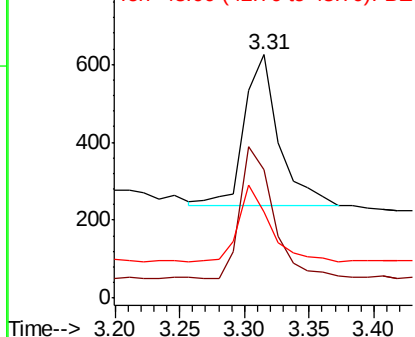
#2

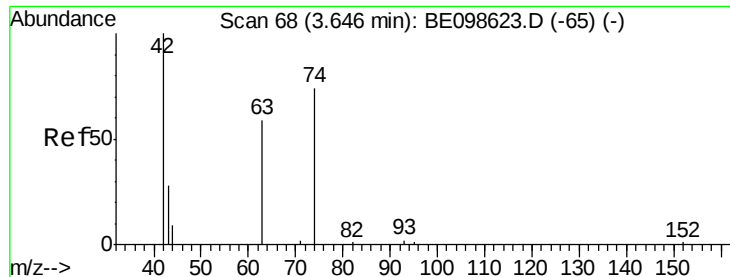
1,4-Dioxane
Concen: 0.396 ng
RT: 3.31 min Scan# 39
Delta R.T. 0.00 min
Lab File: BE098667.D
Acq: 18 Jan 2019 12:08

Tgt Ion: 88 Resp: 733
Ion Ratio Lower Upper
88 100
58 83.1 73.9 110.9
43 45.3 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: 0.422 ng

RT: 3.65 min Scan# 68

Delta R.T. 0.00 min

Lab File: BE098667.D

Acq: 18 Jan 2019 12:08

Instrument :

BNA_F

ClientSampleId :

PB116504BS

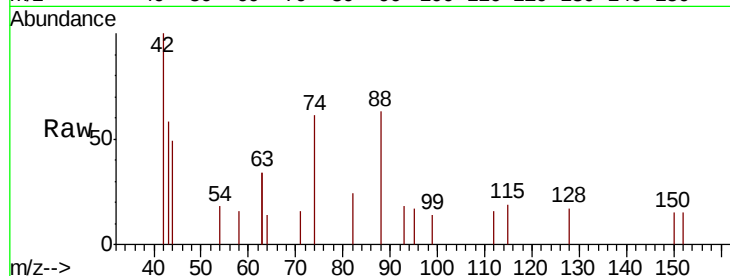
Tot Ion: 42 Resp: 628

Ion Ratio Lower Upper

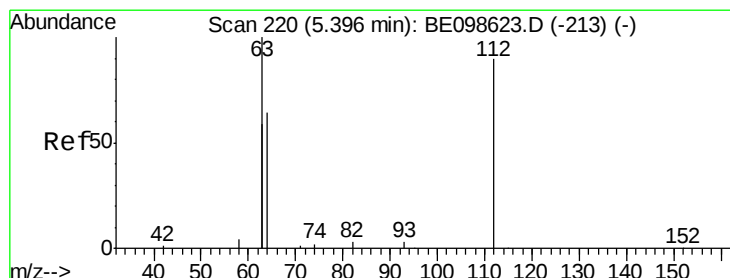
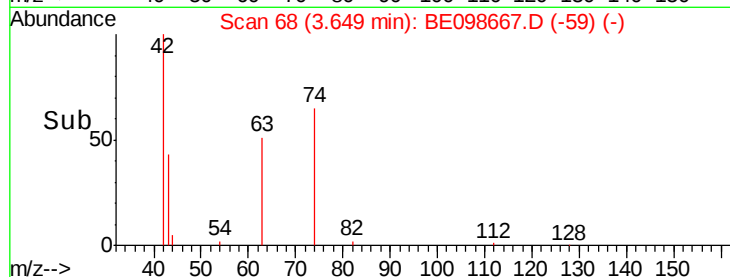
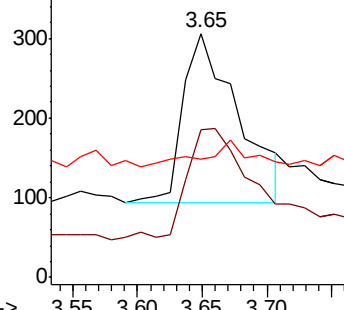
42 100

74 0.0 58.9 88.3#

44 0.0 0.0 0.0



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



#4

2-Fluorophenol

Concen: 0.387 ng

RT: 5.41 min Scan# 221

Delta R.T. 0.01 min

Lab File: BE098667.D

Acq: 18 Jan 2019 12:08

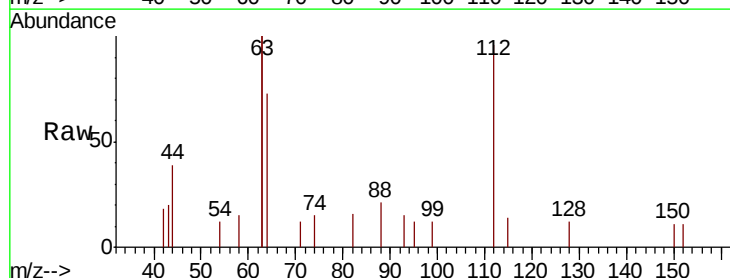
Tgt Ion: 112 Resp: 1036

Ion Ratio Lower Upper

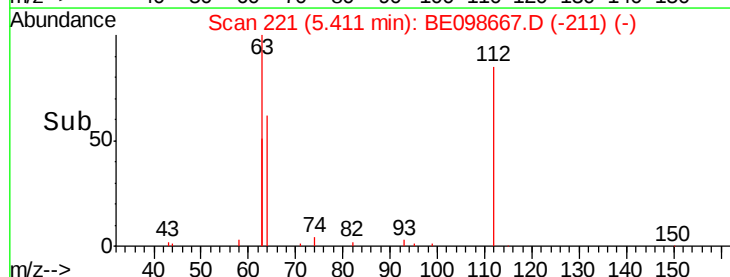
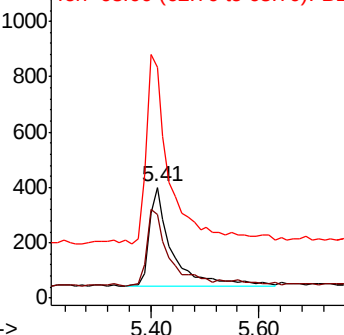
112 100

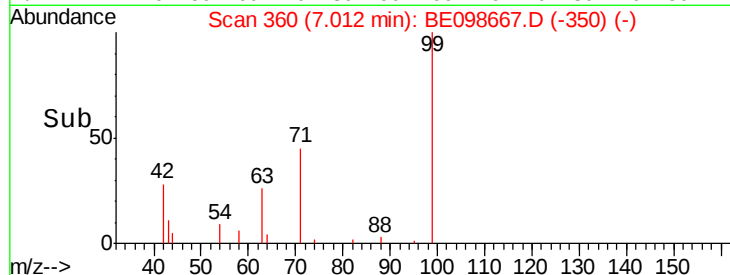
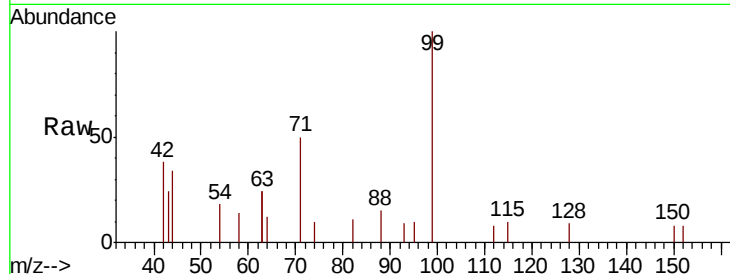
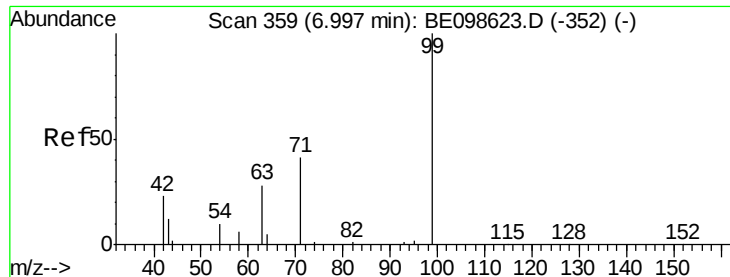
64 77.0 62.9 94.3

63 201.7 152.2 228.4



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: 0.409 ng

RT: 7.01 min Scan# 360

Delta R.T. 0.01 min

Lab File: BE098667.D

Acq: 18 Jan 2019 12:08

Instrument :

BNA_F

ClientSampleId :

PB116504BS

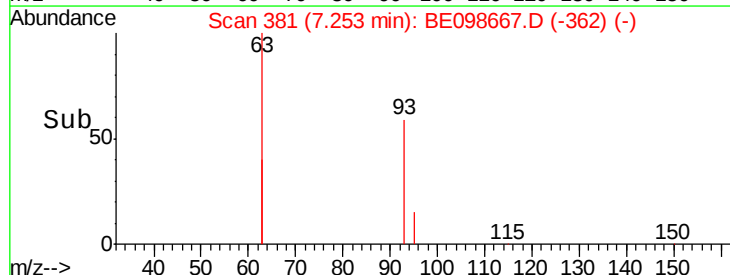
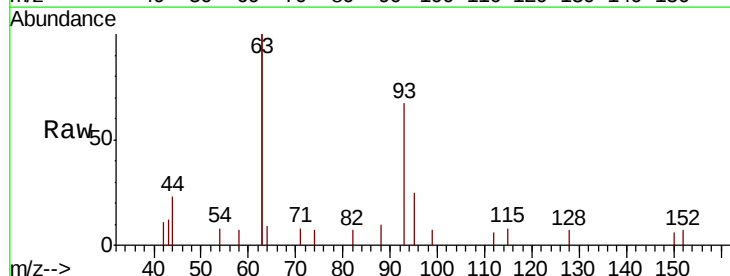
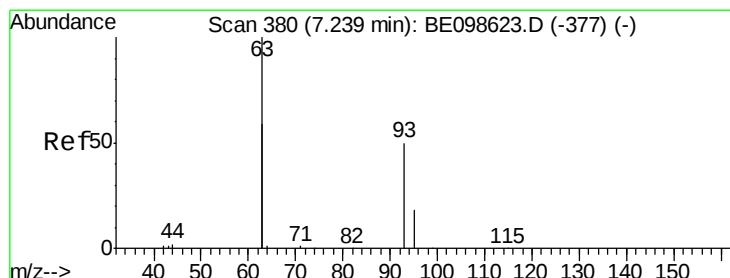
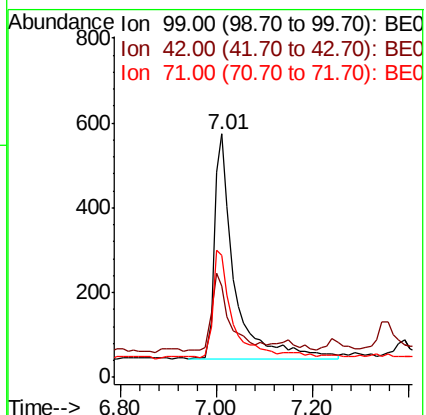
Tot Ion: 99 Resp: 1557

Ion Ratio Lower Upper

99 100

42 29.4 24.6 37.0

71 44.4 35.1 52.7



#6

bis(2-Chloroethyl)ether

Concen: 0.355 ng

RT: 7.25 min Scan# 381

Delta R.T. 0.01 min

Lab File: BE098667.D

Acq: 18 Jan 2019 12:08

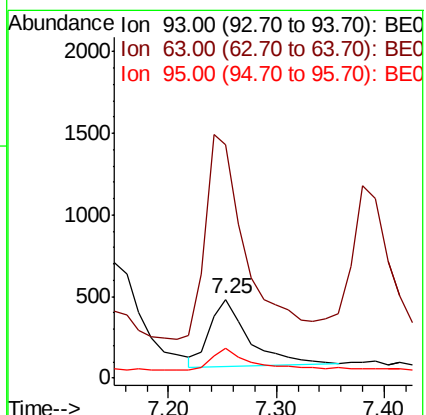
Tgt Ion: 93 Resp: 1023

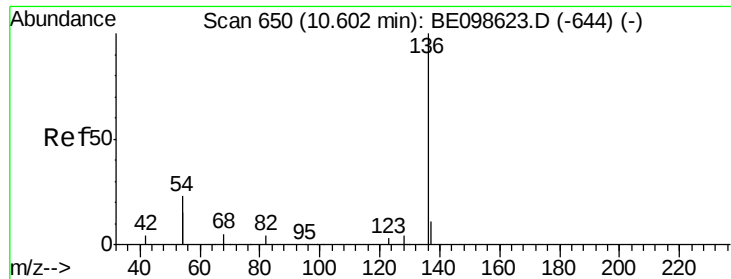
Ion Ratio Lower Upper

93 100

63 327.2 267.3 400.9

95 33.9 26.2 39.4





#7

Naphthalene-d8

Concen: 0.400 ng

RT: 10.61 min Scan# 650

Delta R.T. 0.01 min

Lab File: BE098667.D

Acq: 18 Jan 2019 12:08

Instrument :

BNA_F

ClientSampleId :

PB116504BS

Tot Ion:136 Resp: 4542

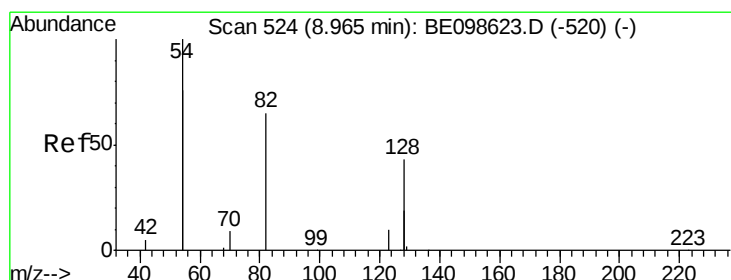
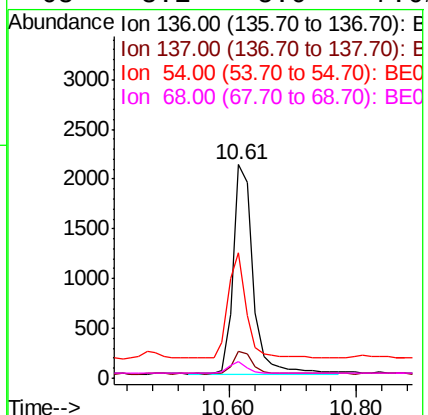
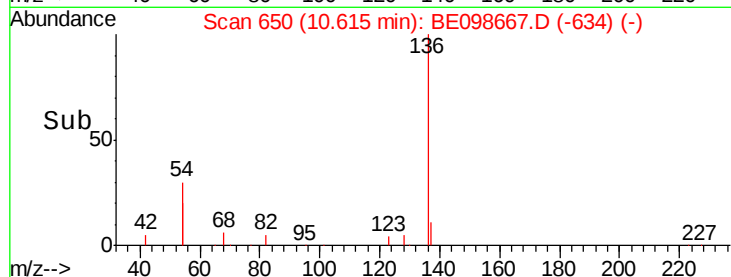
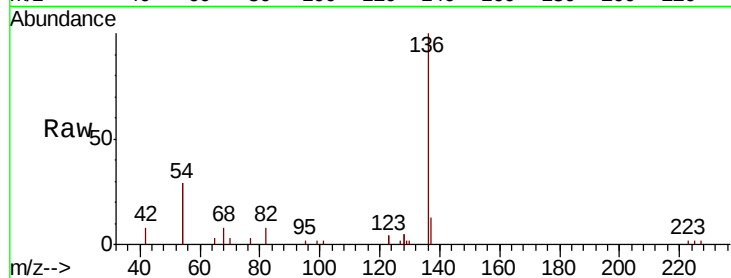
Ion Ratio Lower Upper

136 100

137 12.6 9.7 14.5

54 58.5 35.5 53.3#

68 8.1 5.0 7.6#



#8

Nitrobenzene-d5

Concen: 0.400 ng

RT: 8.99 min Scan# 525

Delta R.T. 0.03 min

Lab File: BE098667.D

Acq: 18 Jan 2019 12:08

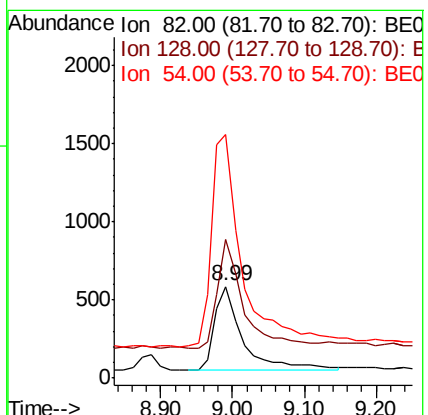
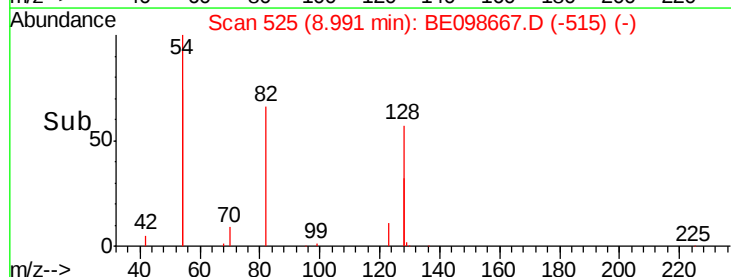
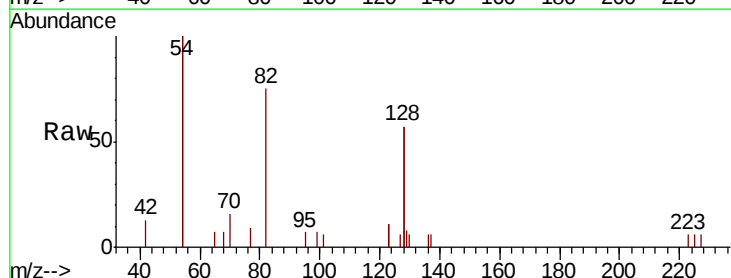
Tgt Ion: 82 Resp: 1440

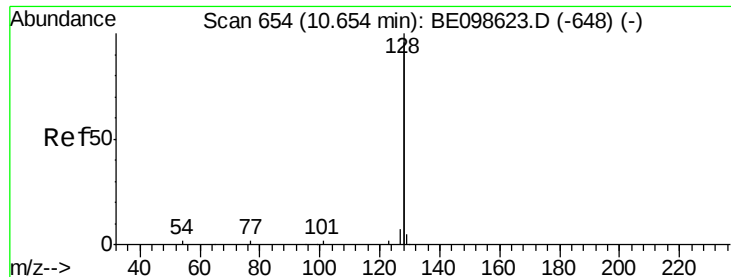
Ion Ratio Lower Upper

82 100

128 151.2 96.5 144.7#

54 265.9 224.7 337.1





#9

Naphthalene

Concen: 0.365 ng

RT: 10.67 min Scan# 654

Delta R.T. 0.01 min

Lab File: BE098667.D

Acq: 18 Jan 2019 12:08

Instrument :

BNA_F

ClientSampleId :

PB116504BS

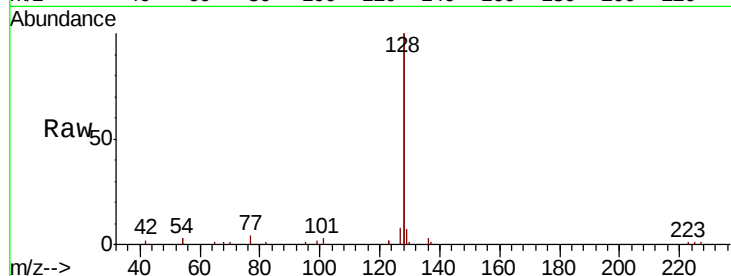
Tot Ion:128 Resp: 16527

Ion Ratio Lower Upper

128 100

129 3.4 2.6 3.8

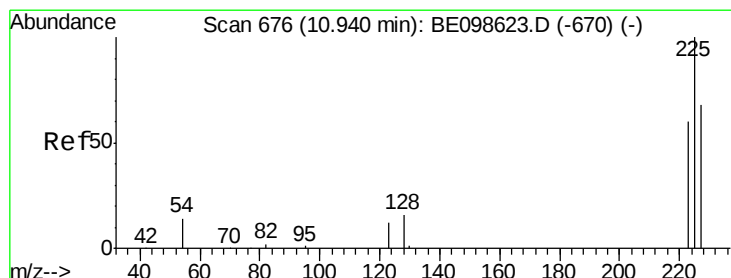
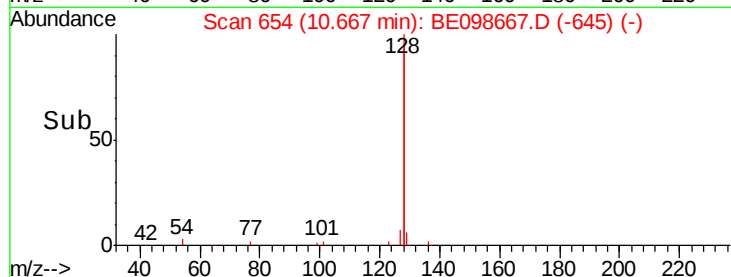
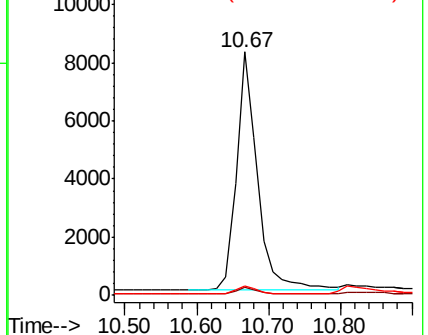
127 3.9 3.0 4.6



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: 0.385 ng

RT: 10.95 min Scan# 676

Delta R.T. 0.01 min

Lab File: BE098667.D

Acq: 18 Jan 2019 12:08

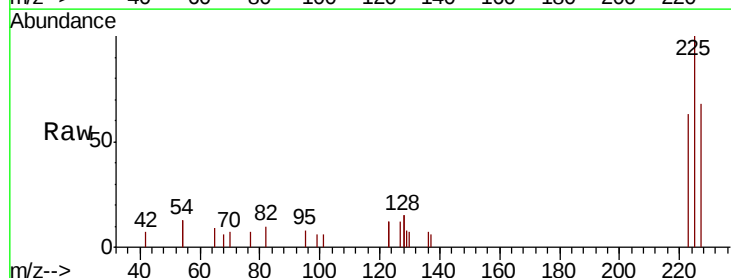
Tgt Ion:225 Resp: 1245

Ion Ratio Lower Upper

225 100

223 63.5 47.8 71.8

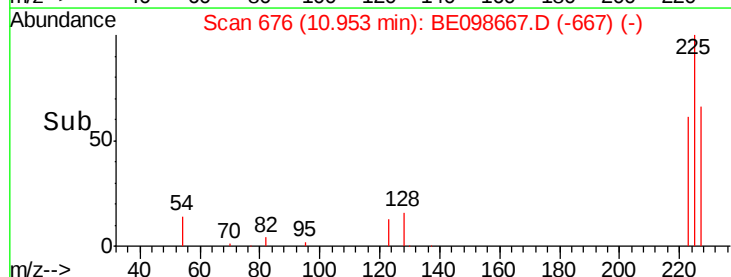
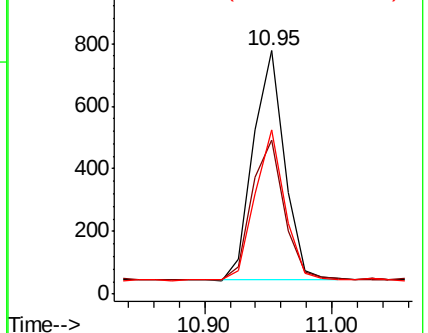
227 63.1 50.5 75.7

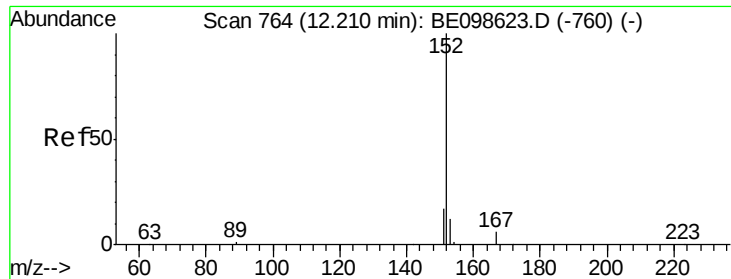


Abundance Ion 225.00 (224.70 to 225.70): E

Ion 223.00 (222.70 to 223.70): E

Ion 227.00 (226.70 to 227.70): E

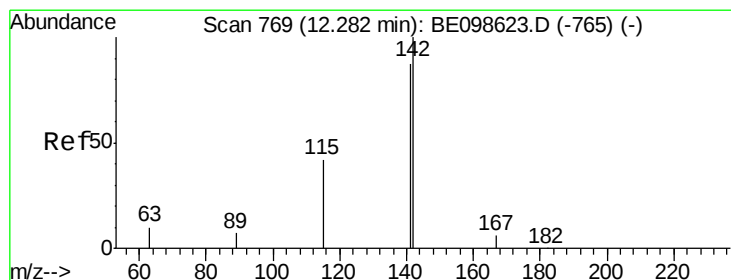
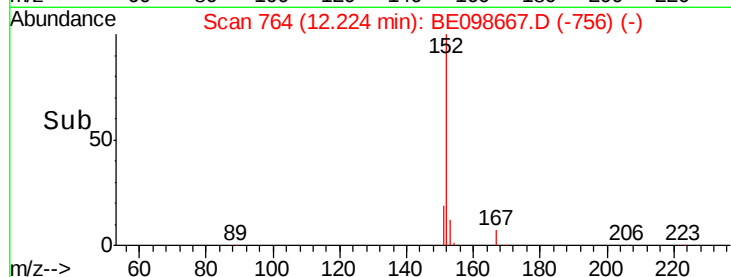
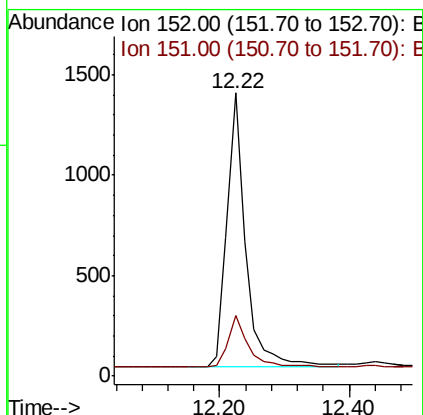
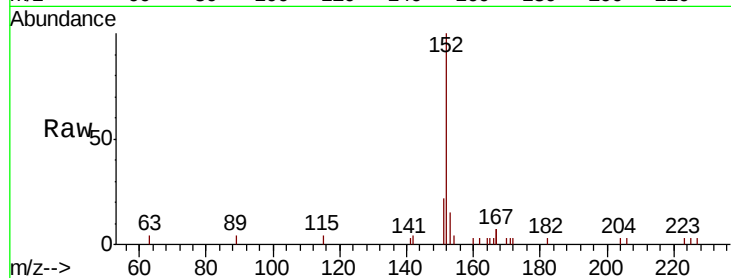




#11
2-Methylnaphthalene-d10
Concen: 0.368 ng
RT: 12.22 min Scan# 764
Delta R.T. 0.01 min
Lab File: BE098667.D
Acq: 18 Jan 2019 12:08

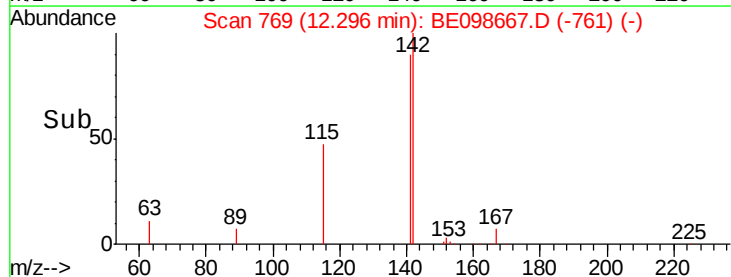
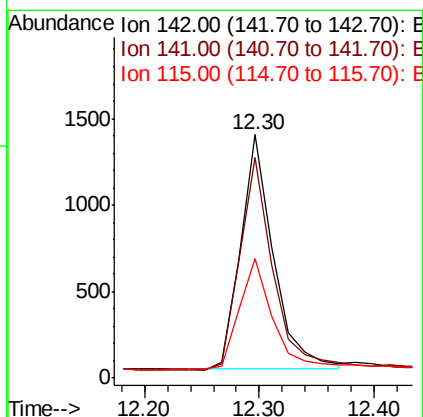
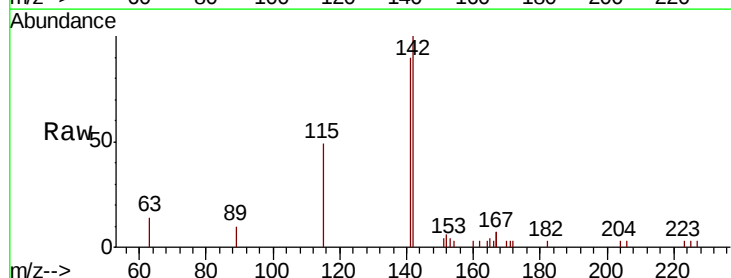
Instrument :
BNA_F
ClientSampleId :
PB116504BS

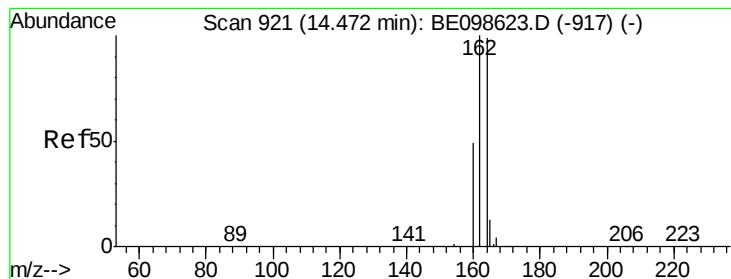
Tot Ion:152 Resp: 2752
Ion Ratio Lower Upper
152 100
151 19.7 16.2 24.4



#12
2-Methylnaphthalene
Concen: 0.357 ng
RT: 12.30 min Scan# 769
Delta R.T. 0.01 min
Lab File: BE098667.D
Acq: 18 Jan 2019 12:08

Tgt Ion:142 Resp: 2679
Ion Ratio Lower Upper
142 100
141 90.4 70.0 105.0
115 48.8 35.2 52.8





#13

Acenaphthene-d10

Concen: 0.400 ng

RT: 14.49 min Scan# 921

Delta R.T. 0.01 min

Lab File: BE098667.D

Acq: 18 Jan 2019 12:08

Instrument :

BNA_F

ClientSampleId :

PB116504BS

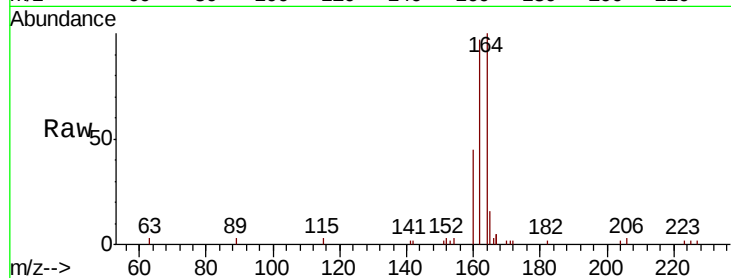
Tot Ion:164 Resp: 3119

Ion Ratio Lower Upper

164 100

162 96.7 80.5 120.7

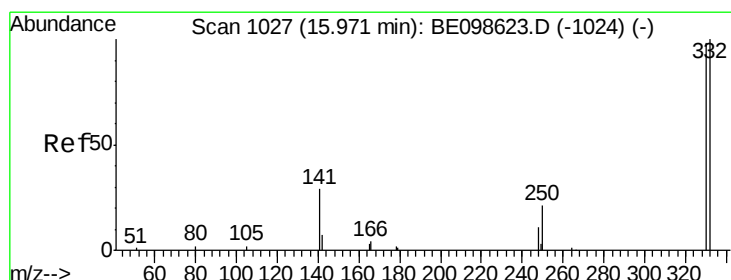
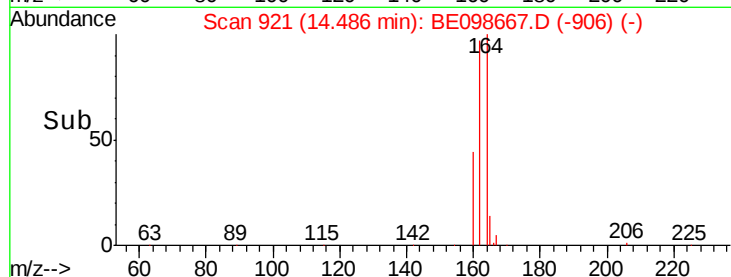
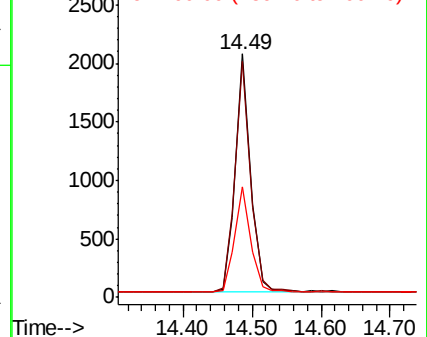
160 45.4 40.1 60.1



Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E



#14

2,4,6-Tribromophenol

Concen: 0.386 ng

RT: 15.98 min Scan# 1027

Delta R.T. 0.01 min

Lab File: BE098667.D

Acq: 18 Jan 2019 12:08

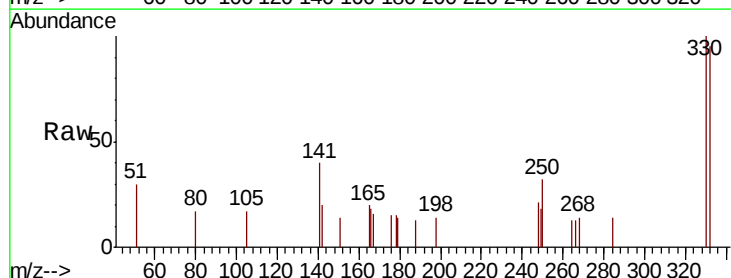
Tgt Ion:330 Resp: 524

Ion Ratio Lower Upper

330 100

332 100.2 73.3 109.9

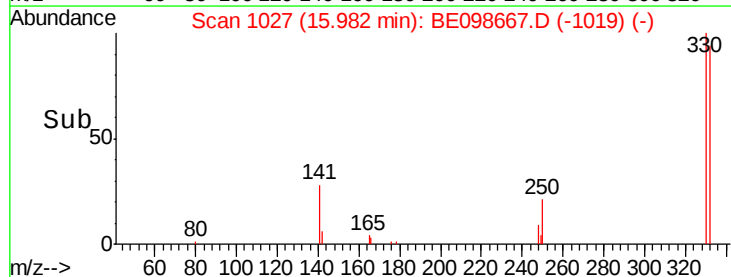
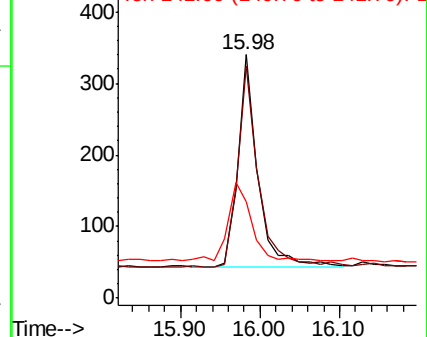
141 42.6 33.1 49.7

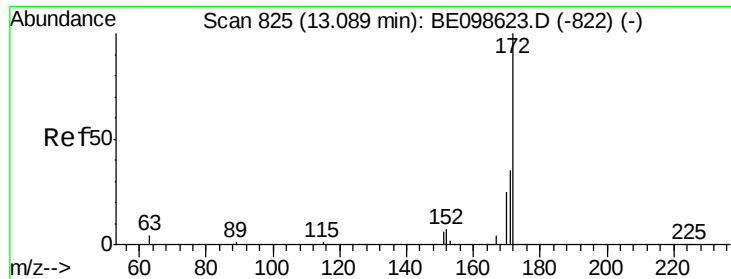


Abundance Ion 330.00 (329.70 to 330.70): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

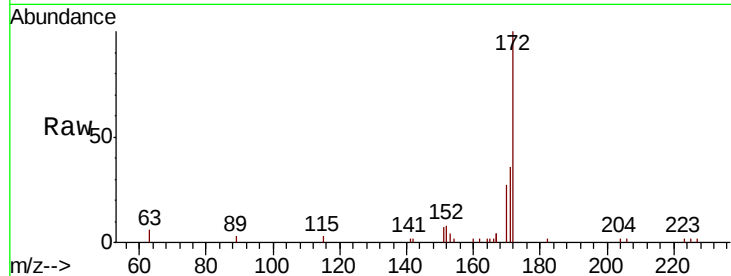




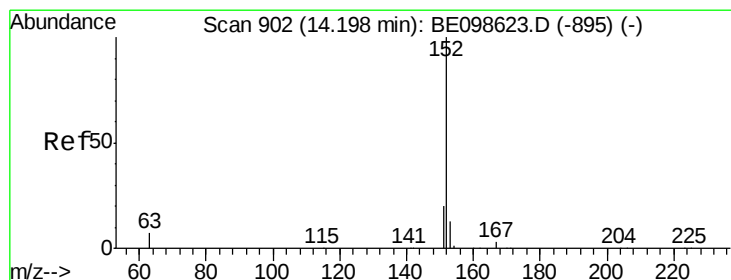
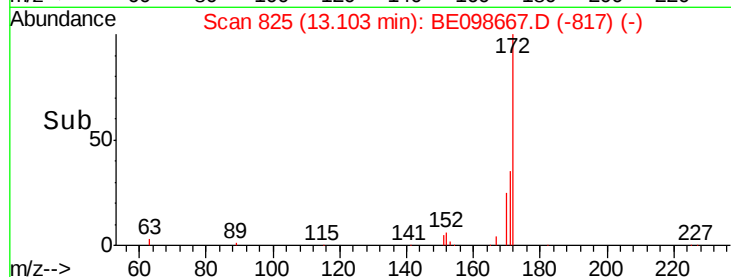
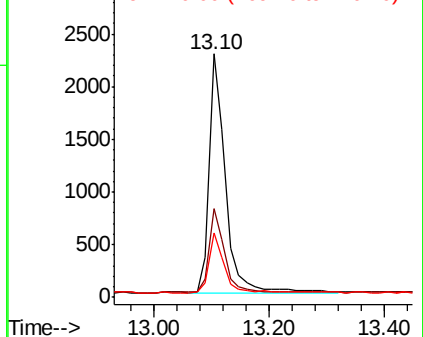
#15
2-Fluorobiphenyl
Concen: 0.346 ng
RT: 13.10 min Scan# 825
Delta R.T. 0.01 min
Lab File: BE098667.D
Acq: 18 Jan 2019 12:08

Instrument :
BNA_F
ClientSampleId :
PB116504BS

Tot Ion:172 Resp: 4422
Ion Ratio Lower Upper
172 100
171 36.3 29.0 43.4
170 26.6 20.8 31.2

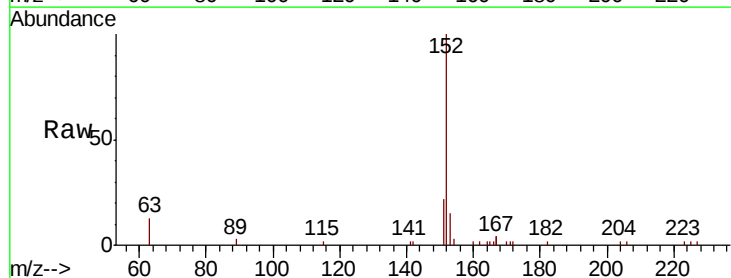


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

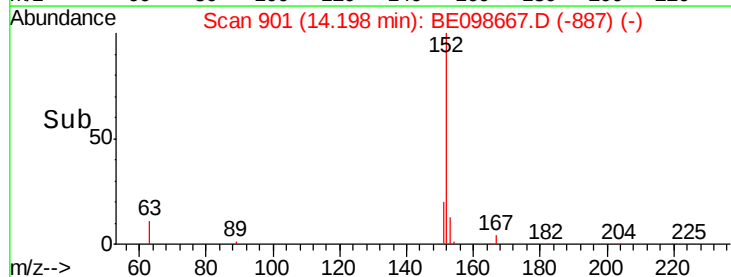
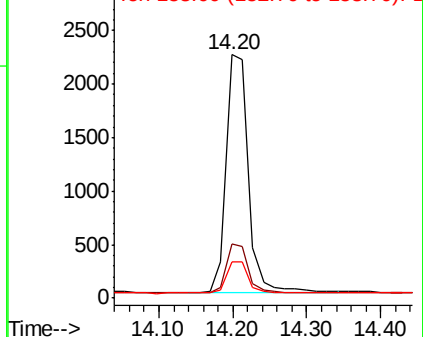


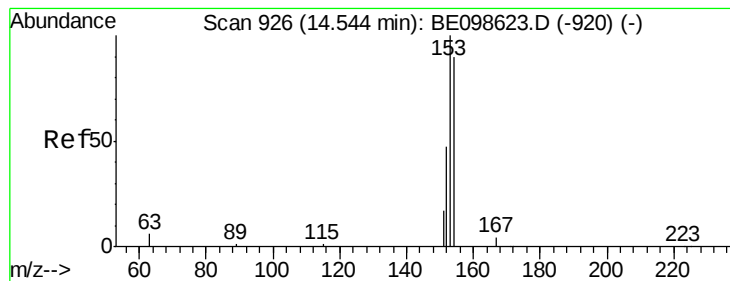
#16
Acenaphthylene
Concen: 0.348 ng
RT: 14.20 min Scan# 901
Delta R.T. 0.00 min
Lab File: BE098667.D
Acq: 18 Jan 2019 12:08

Tgt Ion:152 Resp: 4704
Ion Ratio Lower Upper
152 100
151 20.5 16.3 24.5
153 13.0 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: 0.364 ng

RT: 14.54 min Scan# 925

Delta R.T. 0.00 min

Lab File: BE098667.D

Acq: 18 Jan 2019 12:08

Instrument :

BNA_F

ClientSampleId :

PB116504BS

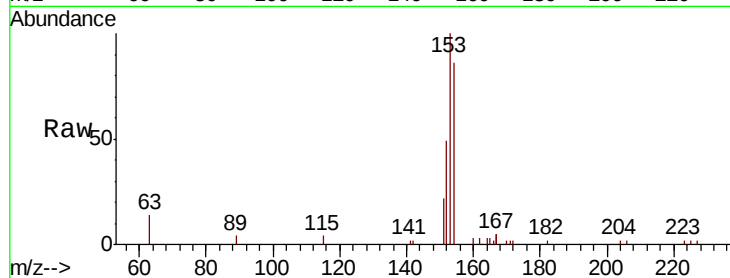
Tot Ion:154 Resp: 3081

Ion Ratio Lower Upper

154 100

153 115.2 93.9 140.9

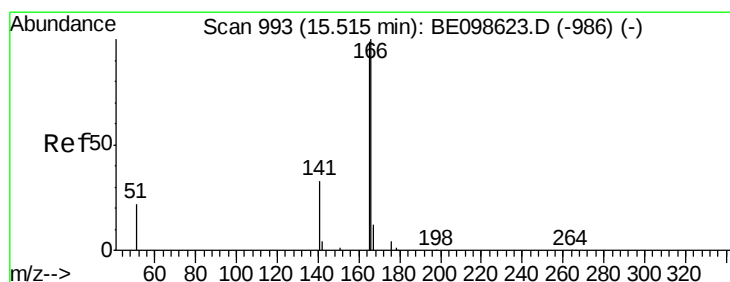
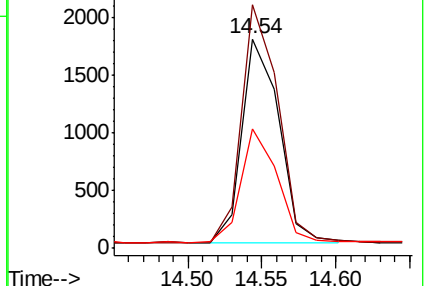
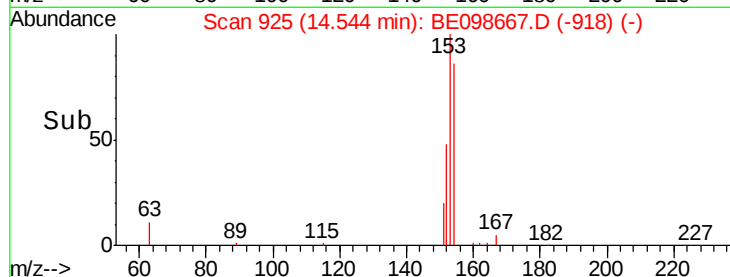
152 54.6 45.8 68.8



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: 0.358 ng

RT: 15.53 min Scan# 993

Delta R.T. 0.01 min

Lab File: BE098667.D

Acq: 18 Jan 2019 12:08

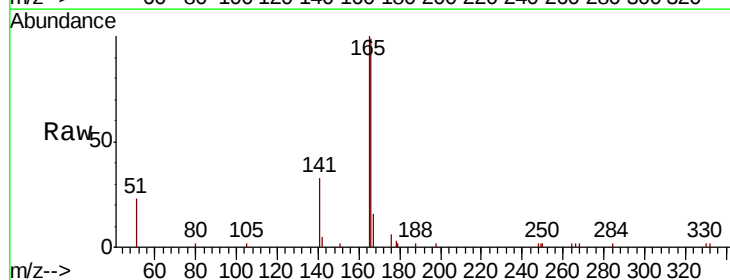
Tgt Ion:166 Resp: 3949

Ion Ratio Lower Upper

166 100

165 101.3 79.3 118.9

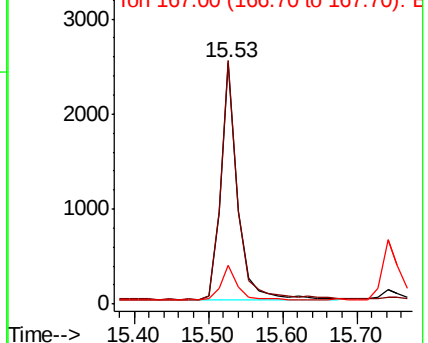
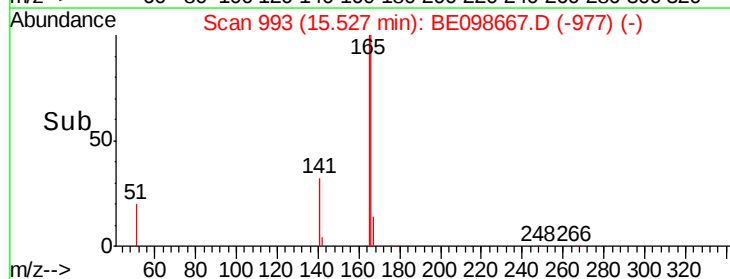
167 14.5 10.6 15.8

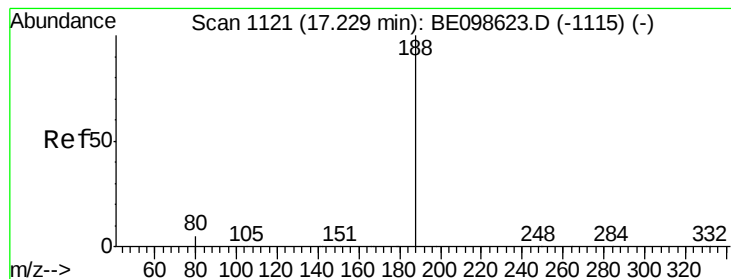


Abundance Ion 166.00 (165.70 to 166.70): E

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: BE098667.D

Acq: 18 Jan 2019 12:08

Instrument :

BNA_F

ClientSampleId :

PB116504BS

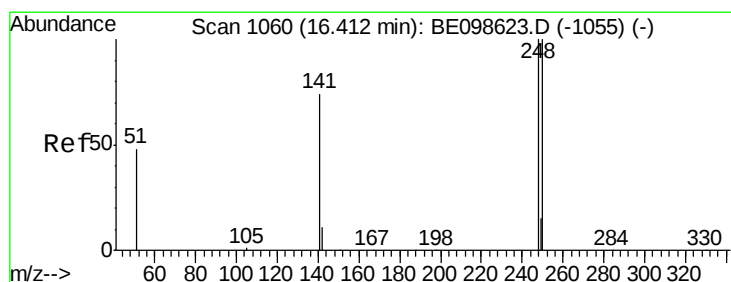
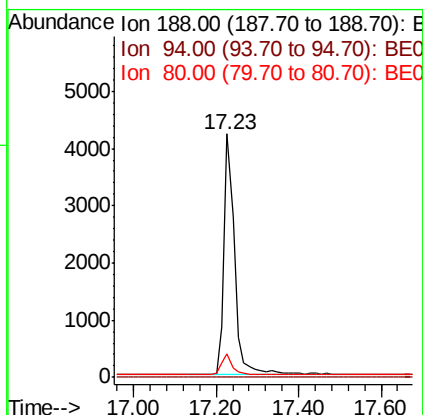
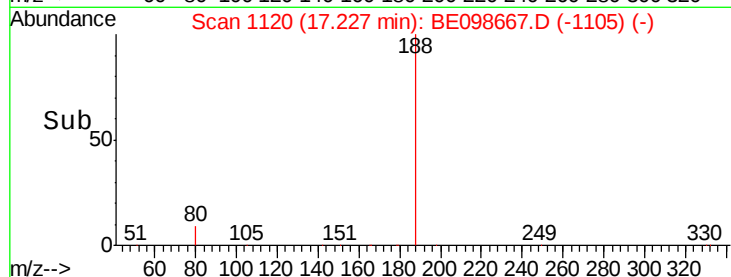
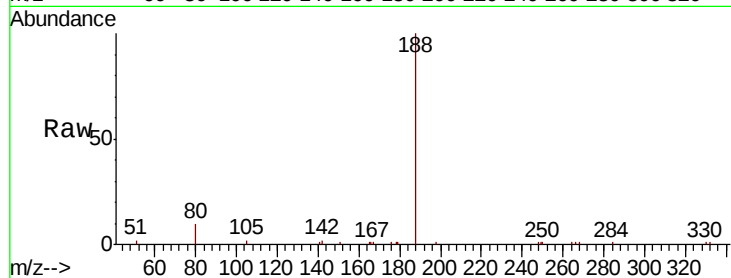
Tot Ion:188 Resp: 7566

Ion Ratio Lower Upper

188 100

94 0.0 0.0 0.0

80 9.9 4.7 7.1#



#20

4-Bromophenyl-phenylether

Concen: 0.349 ng

RT: 16.42 min Scan# 1060

Delta R.T. 0.01 min

Lab File: BE098667.D

Acq: 18 Jan 2019 12:08

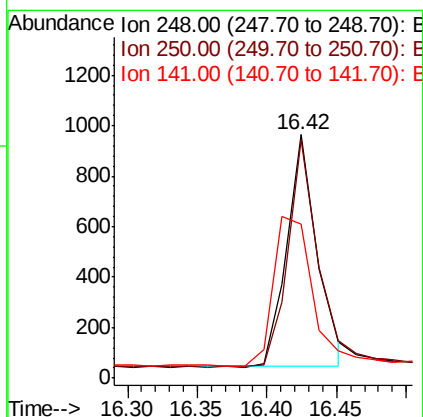
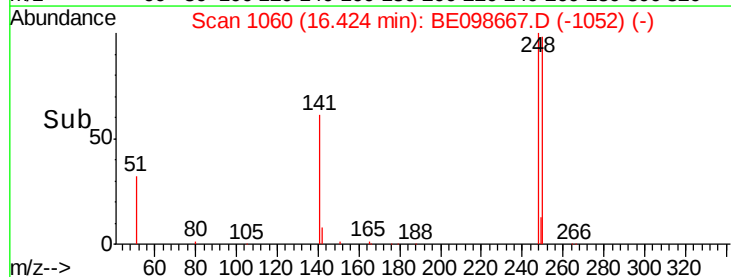
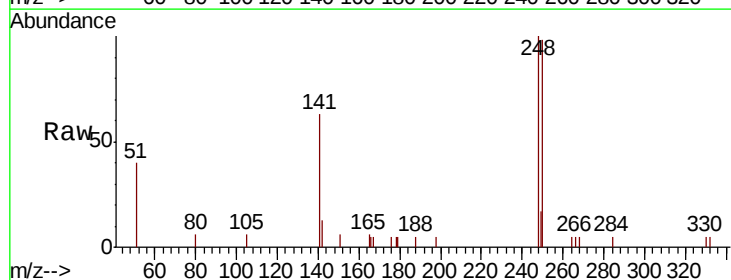
Tgt Ion:248 Resp: 1399

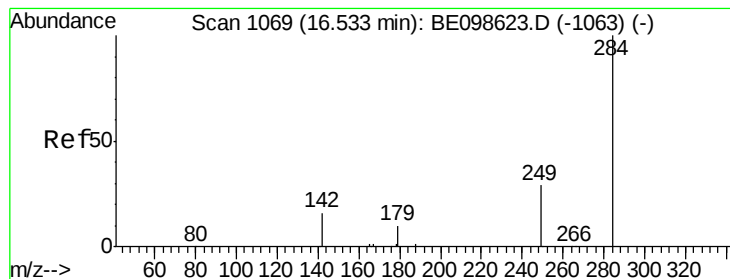
Ion Ratio Lower Upper

248 100

250 98.0 80.2 120.4

141 63.3 60.5 90.7





#21

Hexachlorobenzene

Concen: 0.350 ng

RT: 16.54 min Scan# 1069

Delta R.T. 0.01 min

Lab File: BE098667.D

Acq: 18 Jan 2019 12:08

Instrument :

BNA_F

ClientSampleId :

PB116504BS

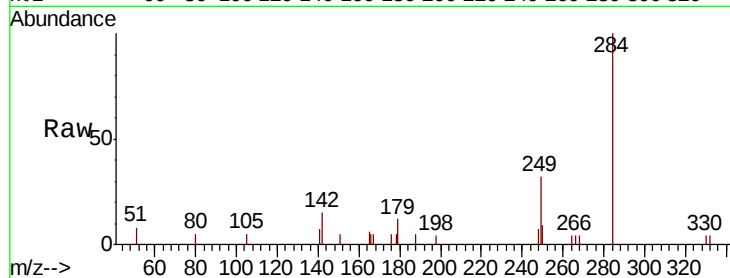
Tot Ion:284 Resp: 1695

Ion Ratio Lower Upper

284 100

142 34.0 25.5 38.3

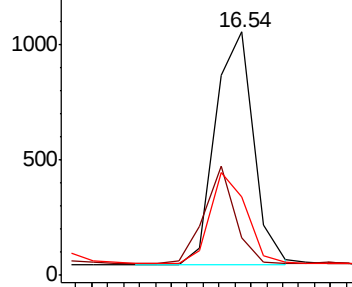
249 36.7 26.6 39.8



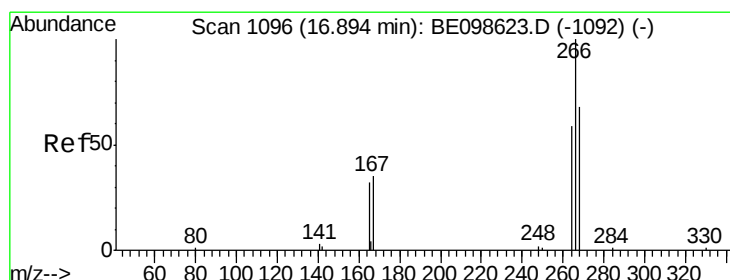
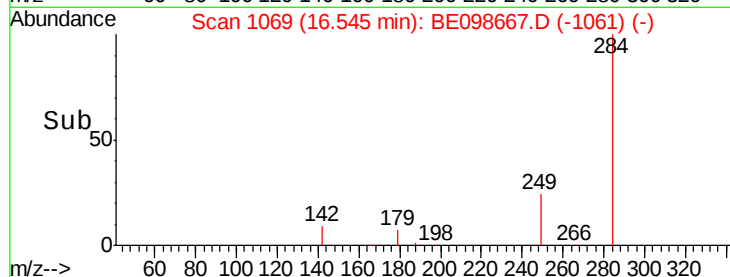
Abundance Ion 283.80 (283.50 to 284.50): E

Ion 142.00 (141.70 to 142.70): E

Ion 249.00 (248.70 to 249.70): E



Time-->



#22

Pentachlorophenol

Concen: 0.474 ng

RT: 16.89 min Scan# 1095

Delta R.T. -0.00 min

Lab File: BE098667.D

Acq: 18 Jan 2019 12:08

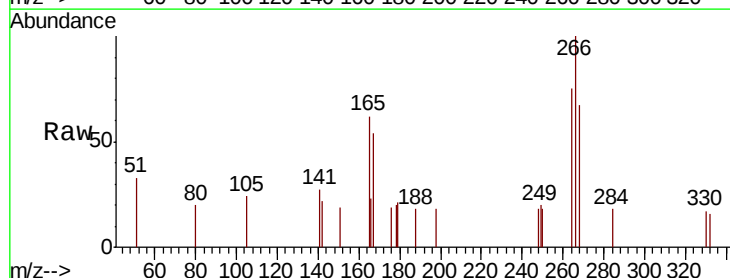
Tgt Ion:266 Resp: 542

Ion Ratio Lower Upper

266 100

264 75.0 53.7 80.5

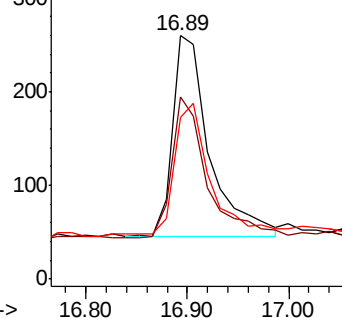
268 66.5 59.8 89.8



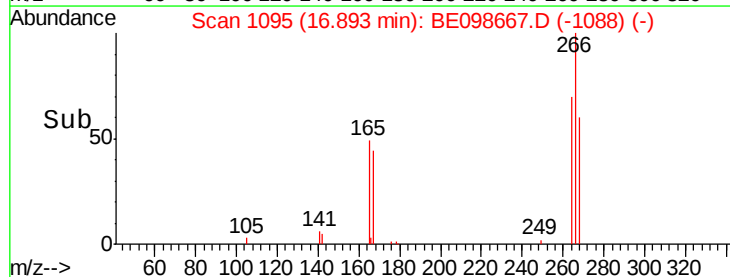
Abundance Ion 266.00 (265.70 to 266.70): E

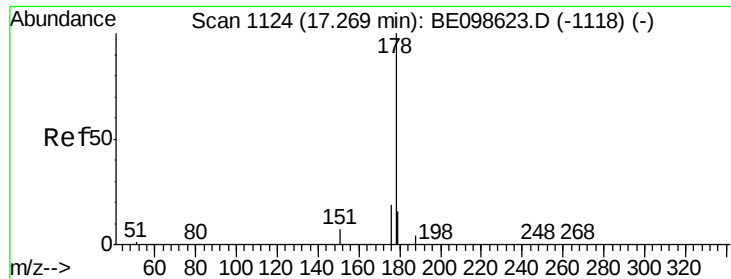
Ion 264.00 (263.70 to 264.70): E

Ion 268.00 (267.70 to 268.70): E



Time-->





#23

Phenanthrene

Concen: 0.352 ng

RT: 17.27 min Scan# 1123

Delta R.T. -0.00 min

Lab File: BE098667.D

Acq: 18 Jan 2019 12:08

Instrument :

BNA_F

ClientSampleId :

PB116504BS

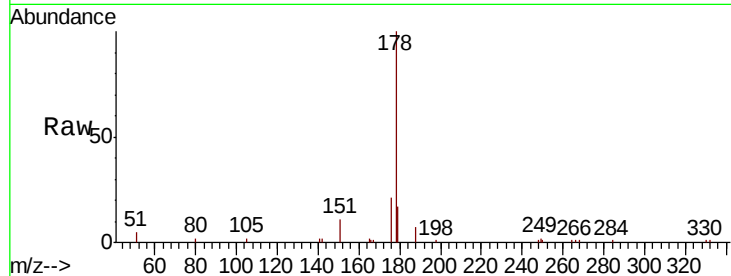
Tot Ion:178 Resp: 6304

Ion Ratio Lower Upper

178 100

176 19.9 15.9 23.9

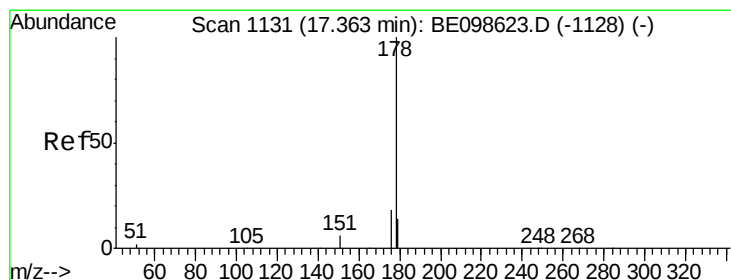
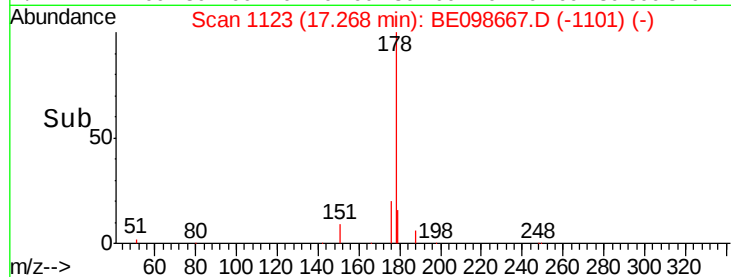
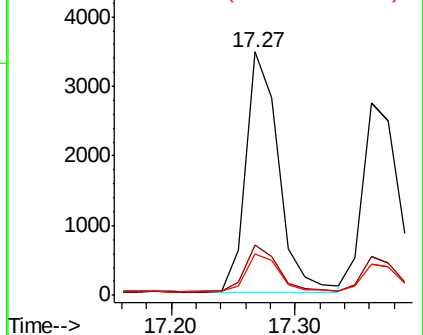
179 16.5 12.2 18.4



Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



#24

Anthracene

Concen: 0.352 ng

RT: 17.36 min Scan# 1130

Delta R.T. -0.00 min

Lab File: BE098667.D

Acq: 18 Jan 2019 12:08

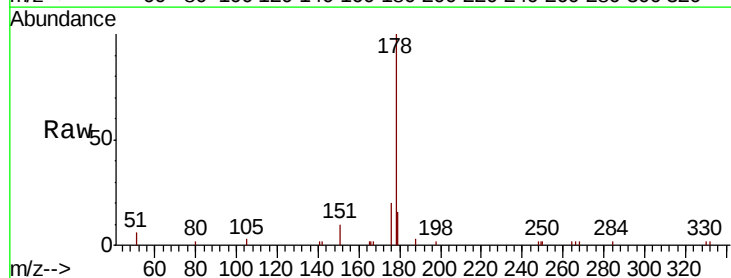
Tgt Ion:178 Resp: 5397

Ion Ratio Lower Upper

178 100

176 17.6 14.9 22.3

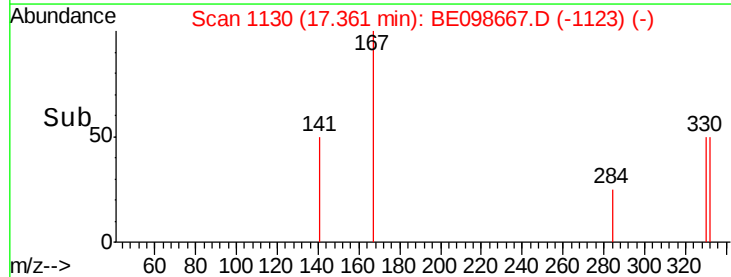
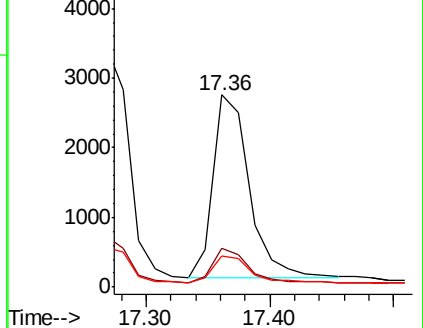
179 14.6 11.8 17.8

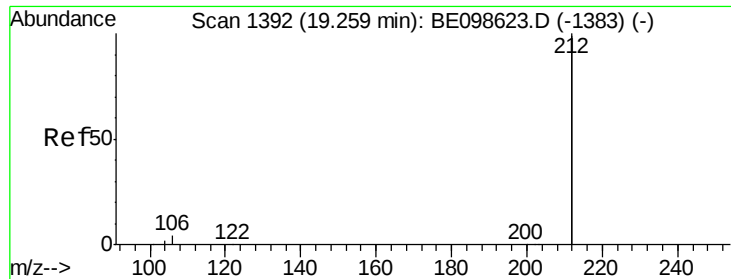


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E

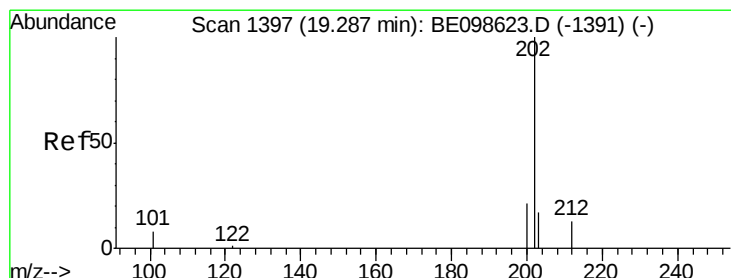
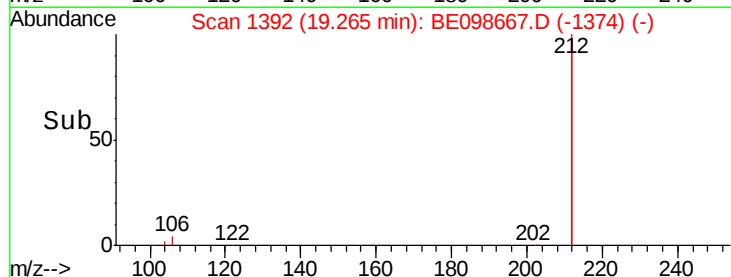
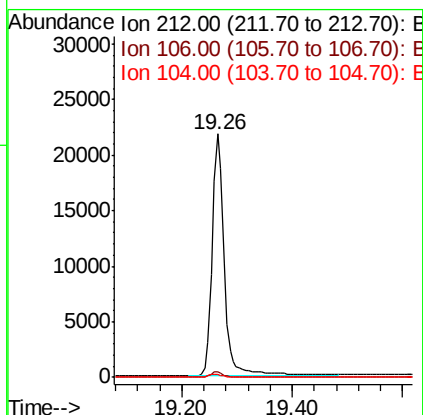
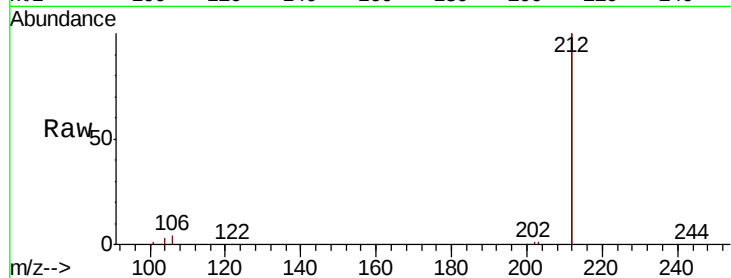




#25
 Fluoranthene-d10
 Concen: 0.352 ng
 RT: 19.26 min Scan# 1392
 Delta R.T. 0.01 min
 Lab File: BE098667.D
 Acq: 18 Jan 2019 12:08

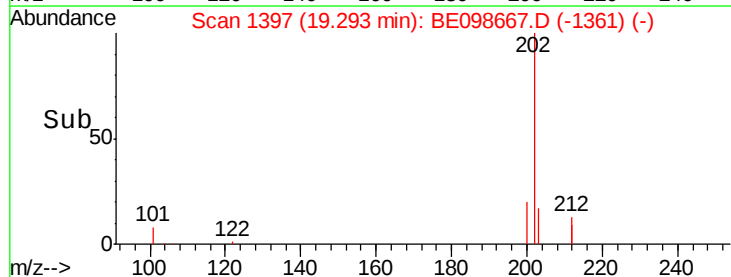
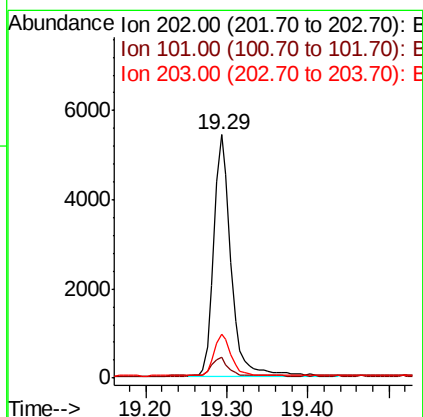
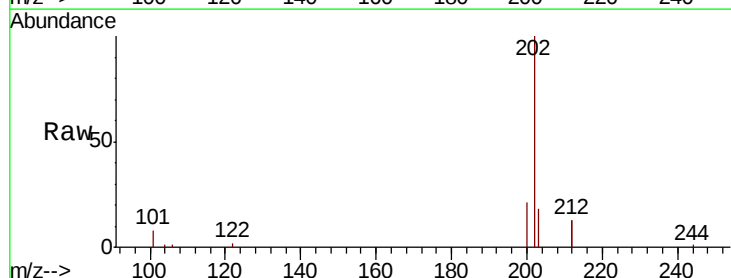
Instrument :
 BNA_F
 ClientSampleId :
 PB116504BS

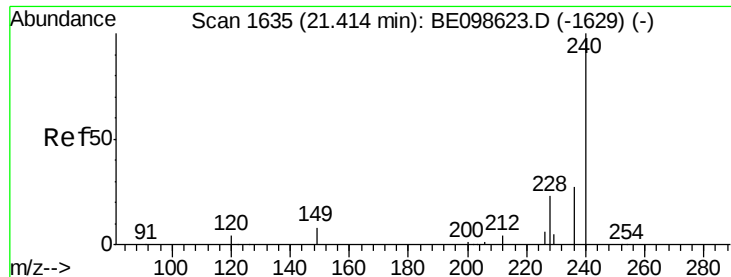
Tot Ion:212 Resp: 33020
 Ion Ratio Lower Upper
 212 100
 106 1.8 1.7 2.5
 104 1.1 1.0 1.6



#26
 Fluoranthene
 Concen: 0.345 ng
 RT: 19.29 min Scan# 1397
 Delta R.T. 0.01 min
 Lab File: BE098667.D
 Acq: 18 Jan 2019 12:08

Tgt Ion:202 Resp: 7960
 Ion Ratio Lower Upper
 202 100
 101 7.7 6.7 10.1
 203 17.4 13.3 19.9

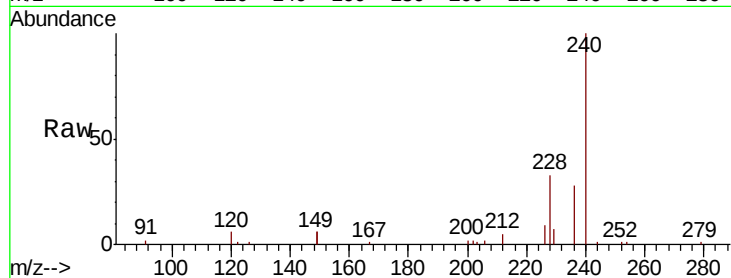




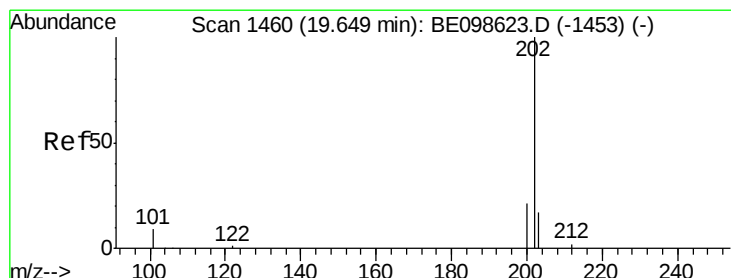
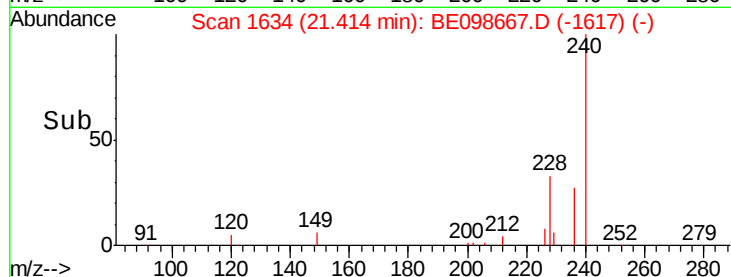
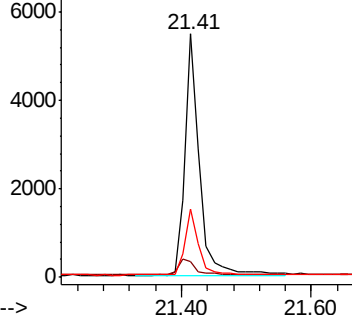
#27
Chrysene-d12
Concen: 0.400 ng
RT: 21.41 min Scan# 1634
Delta R.T. -0.00 min
Lab File: BE098667.D
Acq: 18 Jan 2019 12:08

Instrument :
BNA_F
ClientSampleId :
PB116504BS

Tot Ion:240 Resp: 8528
Ion Ratio Lower Upper
240 100
120 6.4 4.7 7.1
236 27.8 21.9 32.9

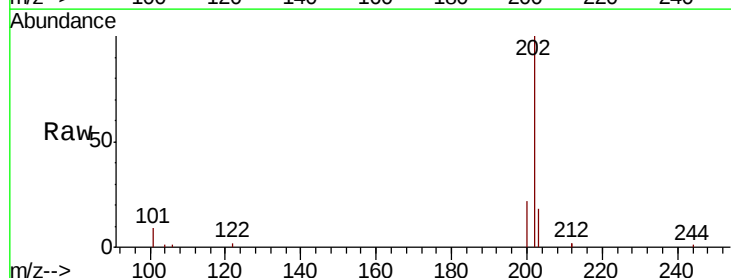


Abundance Ion 240.00 (239.70 to 240.70): E
Ion 120.00 (119.70 to 120.70): E
Ion 236.00 (235.70 to 236.70): E

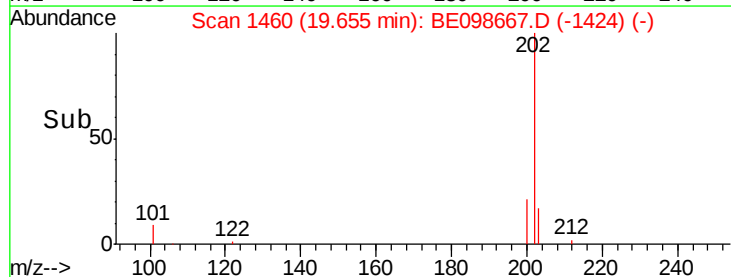
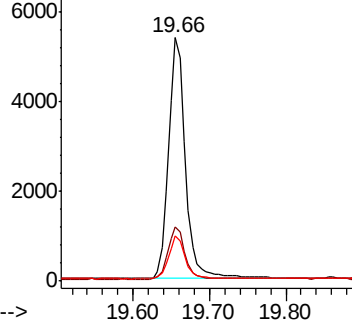


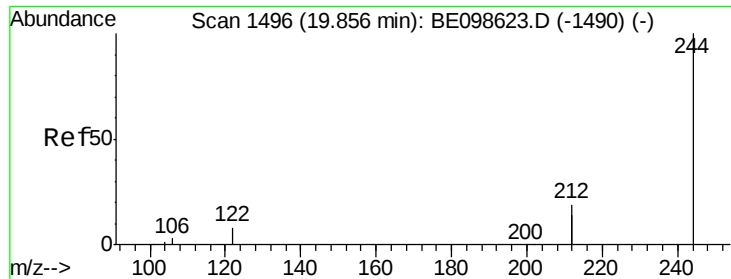
#28
Pyrene
Concen: 0.351 ng
RT: 19.66 min Scan# 1460
Delta R.T. 0.01 min
Lab File: BE098667.D
Acq: 18 Jan 2019 12:08

Tgt Ion:202 Resp: 8243
Ion Ratio Lower Upper
202 100
200 21.7 17.0 25.6
203 17.1 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: 0.350 ng

RT: 19.86 min Scan# 1496

Delta R.T. 0.01 min

Lab File: BE098667.D

Acq: 18 Jan 2019 12:08

Instrument :

BNA_F

ClientSampleId :

PB116504BS

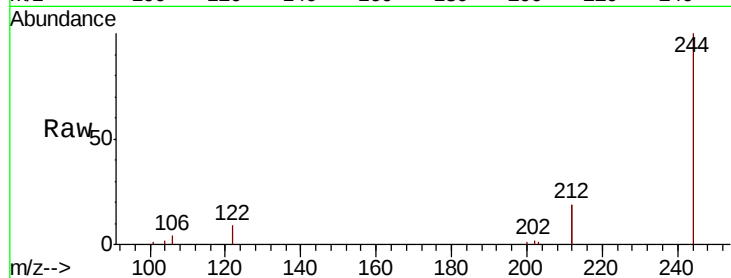
Tot Ion:244 Resp: 6604

Ion Ratio Lower Upper

244 100

212 38.5 29.4 44.2

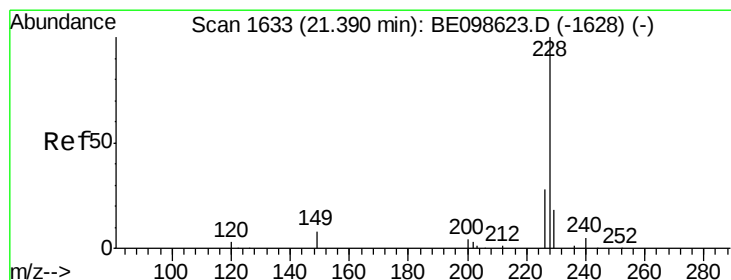
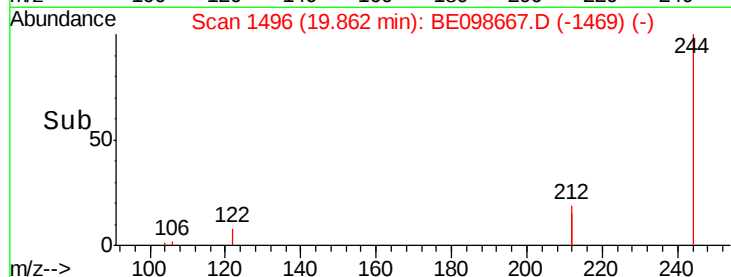
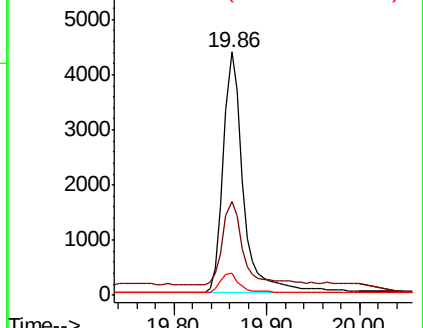
122 9.2 7.1 10.7



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: 0.346 ng

RT: 21.40 min Scan# 1633

Delta R.T. 0.01 min

Lab File: BE098667.D

Acq: 18 Jan 2019 12:08

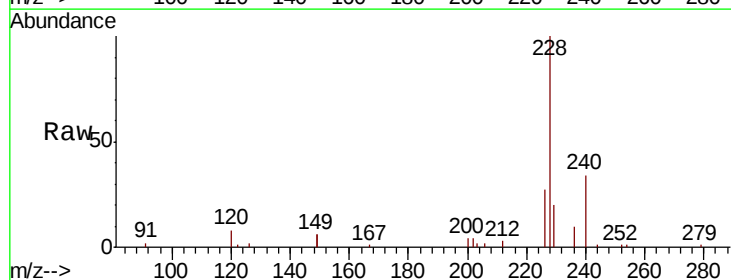
Tgt Ion:228 Resp: 7928

Ion Ratio Lower Upper

228 100

226 27.3 23.0 34.4

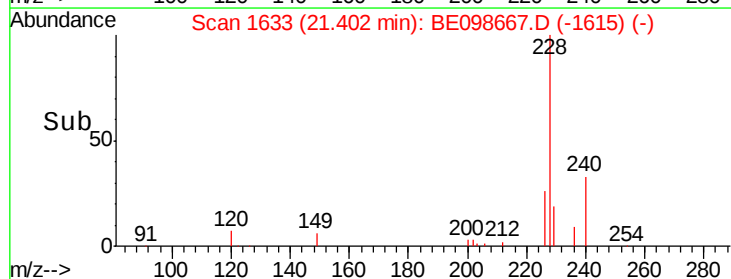
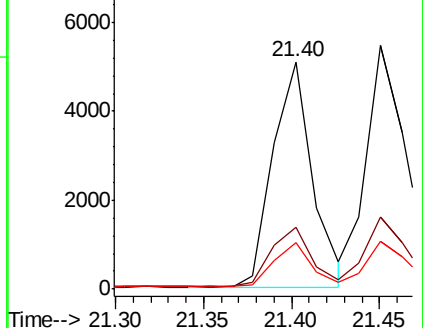
229 20.3 15.0 22.6

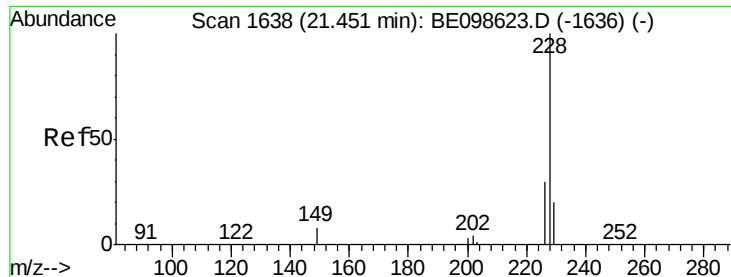


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#31

Chrysene

Concen: 0.355 ng

RT: 21.45 min Scan# 1637

Delta R.T. -0.00 min

Lab File: BE098667.D

Acq: 18 Jan 2019 12:08

Instrument :

BNA_F

ClientSampleId :

PB116504BS

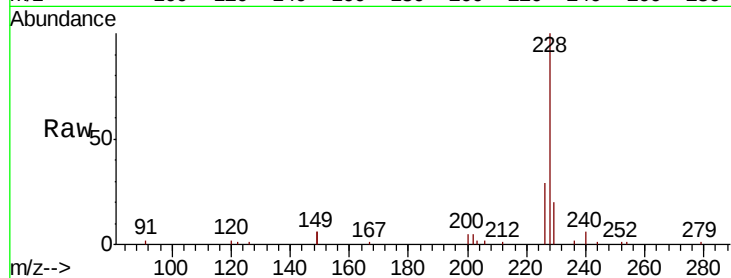
Tot Ion:228 Resp: 8429

Ion Ratio Lower Upper

228 100

226 29.4 24.6 36.8

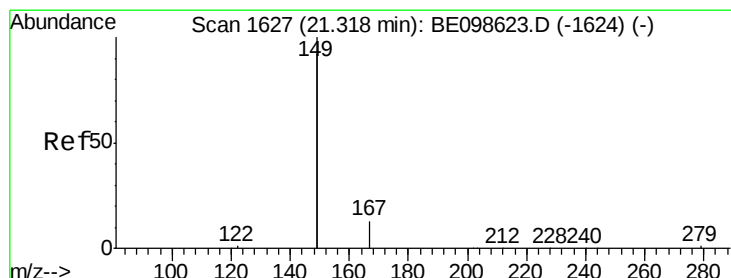
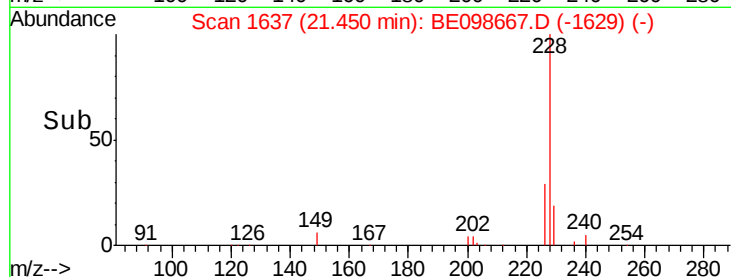
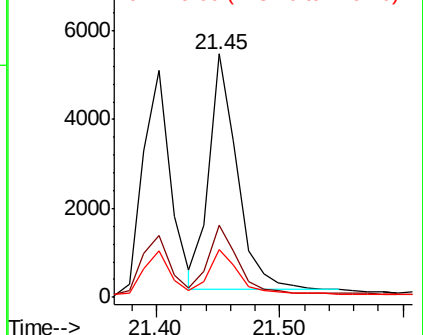
229 19.5 16.4 24.6



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: 0.328 ng

RT: 21.32 min Scan# 1626

Delta R.T. -0.00 min

Lab File: BE098667.D

Acq: 18 Jan 2019 12:08

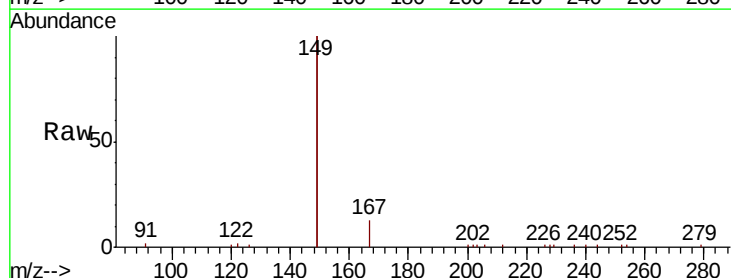
Tgt Ion:149 Resp: 15951

Ion Ratio Lower Upper

149 100

167 6.6 5.4 8.2

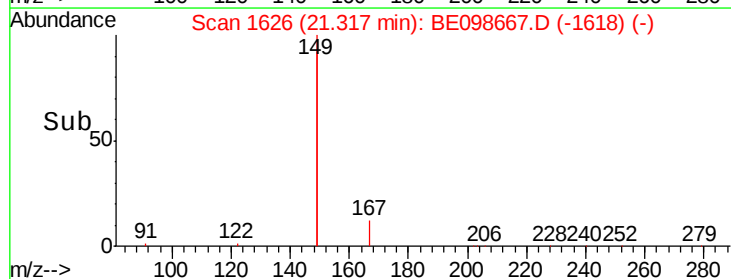
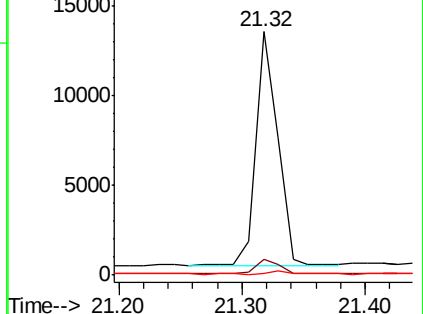
279 1.3 1.0 1.4

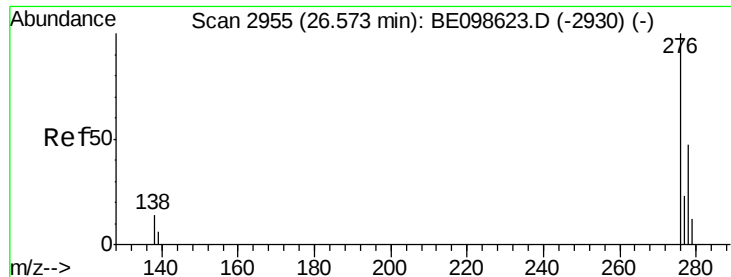


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E

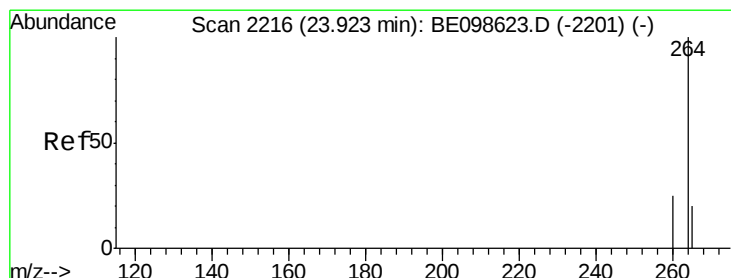
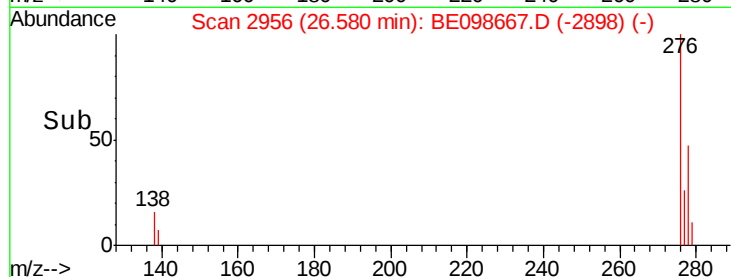
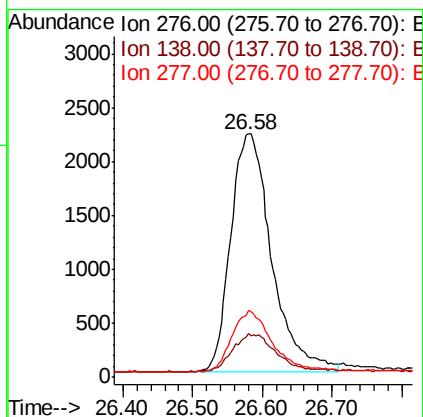
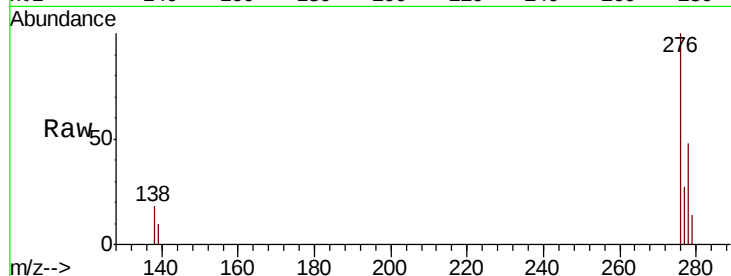




#33
Indeno(1,2,3-cd)pyrene
Concen: 0.368 ng
RT: 26.58 min Scan# 2956
Delta R.T. 0.01 min
Lab File: BE098667.D
Acq: 18 Jan 2019 12:08

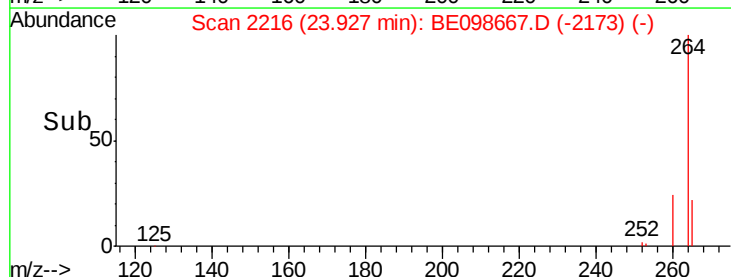
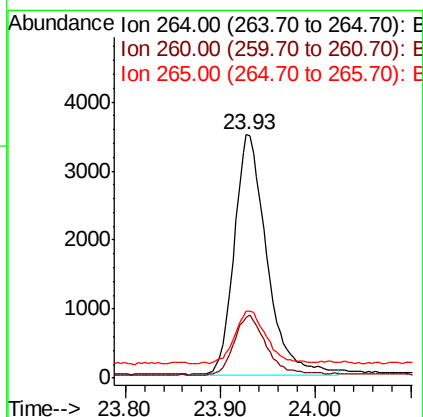
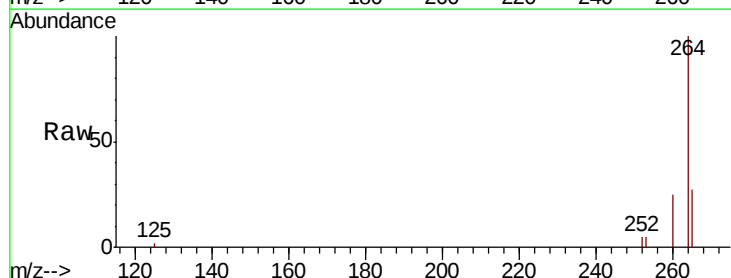
Instrument :
BNA_F
ClientSampleId :
PB116504BS

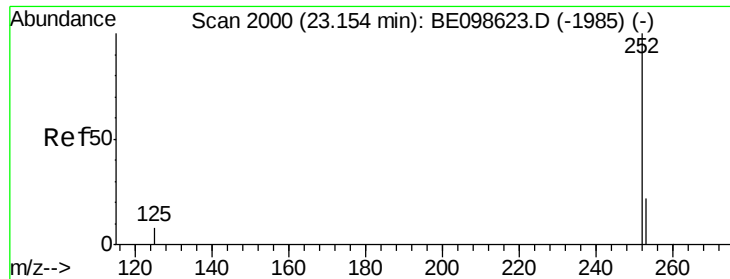
Tot Ion:276 Resp: 9030
Ion Ratio Lower Upper
276 100
138 15.8 13.3 19.9
277 24.8 19.4 29.0



#34
Perylene-d12
Concen: 0.400 ng
RT: 23.93 min Scan# 2216
Delta R.T. 0.00 min
Lab File: BE098667.D
Acq: 18 Jan 2019 12:08

Tgt Ion:264 Resp: 8206
Ion Ratio Lower Upper
264 100
260 25.0 20.5 30.7
265 27.3 22.3 33.5

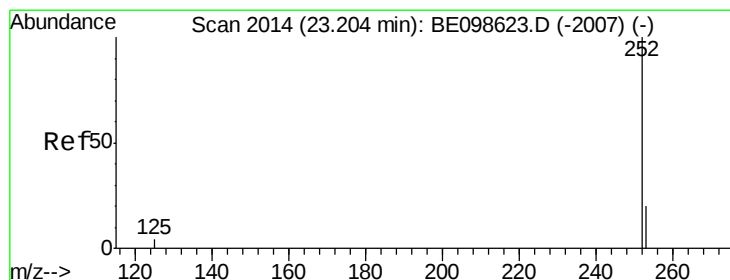
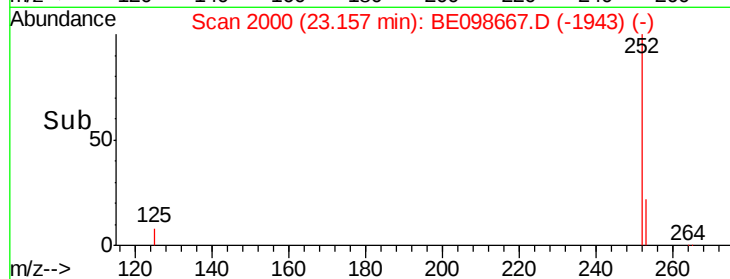
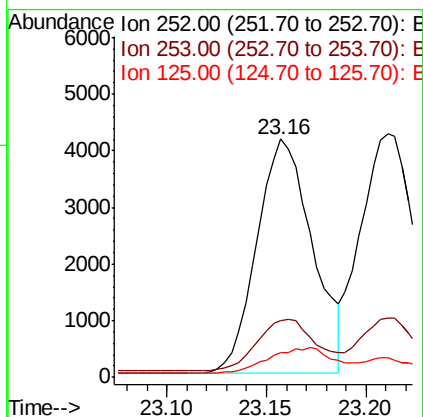
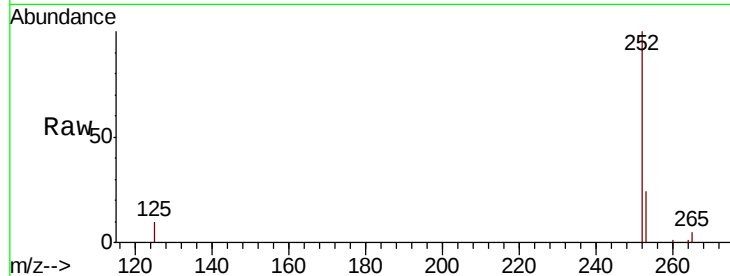




#35
Benzo(b)fluoranthene
Concen: 0.358 ng
RT: 23.16 min Scan# 2000
Delta R.T. 0.00 min
Lab File: BE098667.D
Acq: 18 Jan 2019 12:08

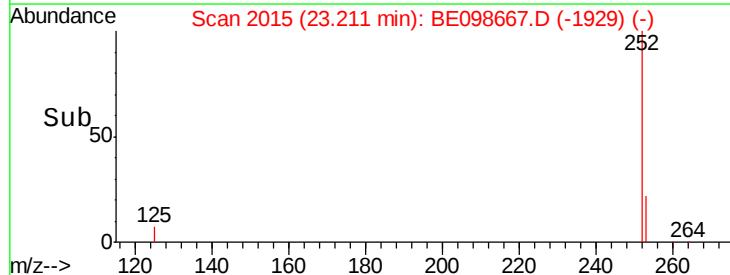
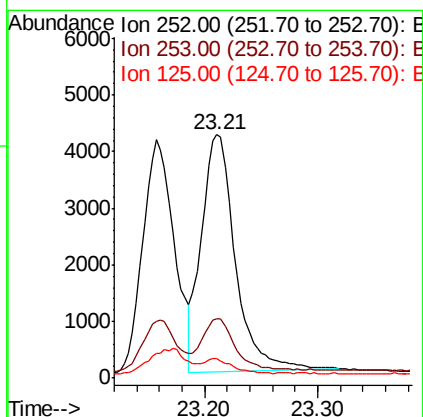
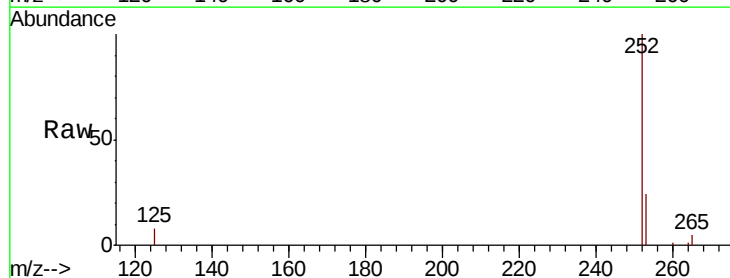
Instrument :
BNA_F
ClientSampleId :
PB116504BS

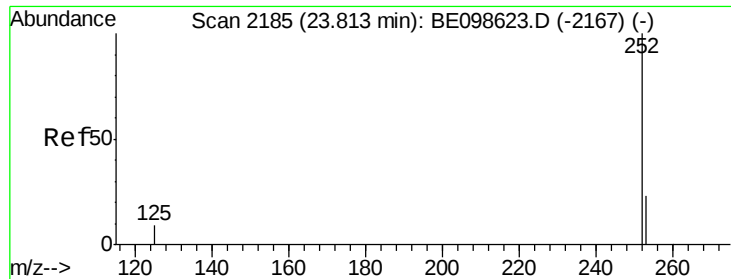
Tot Ion:252 Resp: 8009
Ion Ratio Lower Upper
252 100
253 24.1 19.4 29.0
125 10.1 8.2 12.4



#36
Benzo(k)fluoranthene
Concen: 0.356 ng
RT: 23.21 min Scan# 2015
Delta R.T. 0.01 min
Lab File: BE098667.D
Acq: 18 Jan 2019 12:08

Tgt Ion:252 Resp: 8720
Ion Ratio Lower Upper
252 100
253 24.3 19.0 28.4
125 8.3 7.0 10.4





#37

Benzo(a)pyrene

Concen: 0.361 ng

RT: 23.82 min Scan# 2186

Delta R.T. 0.01 min

Lab File: BE098667.D

Acq: 18 Jan 2019 12:08

Instrument :

BNA_F

ClientSampleId :

PB116504BS

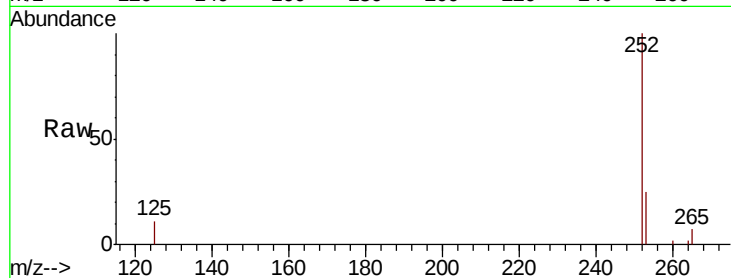
Tot Ion:252 Resp: 7934

Ion Ratio Lower Upper

252 100

253 24.9 21.0 31.4

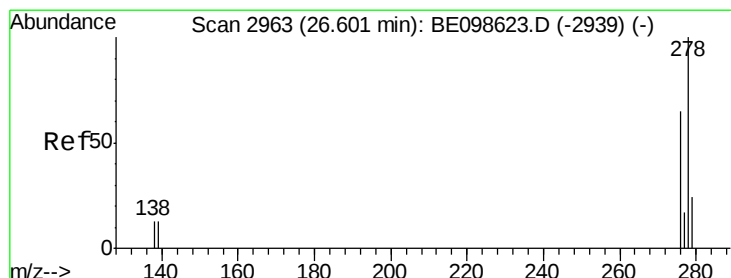
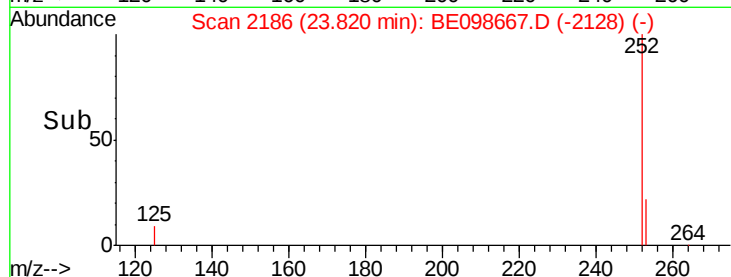
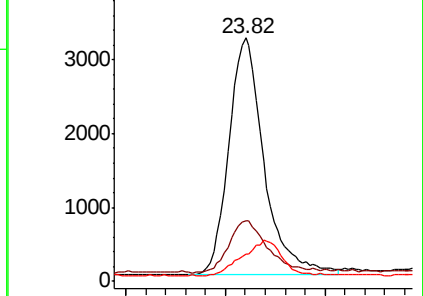
125 11.3 9.2 13.8



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: 0.382 ng

RT: 26.60 min Scan# 2962

Delta R.T. 0.00 min

Lab File: BE098667.D

Acq: 18 Jan 2019 12:08

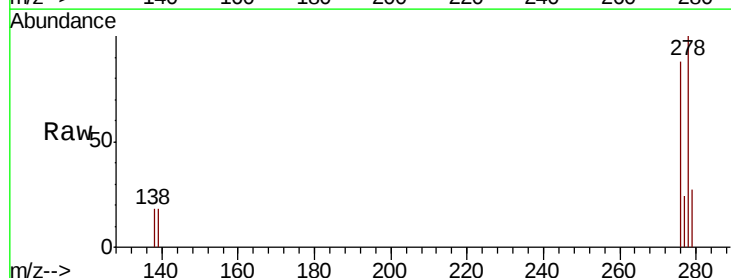
Tgt Ion:278 Resp: 7440

Ion Ratio Lower Upper

278 100

139 17.8 12.7 19.1

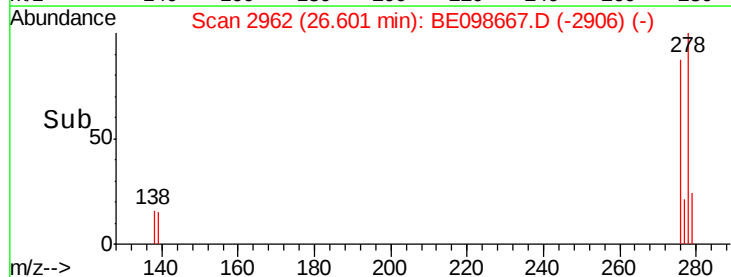
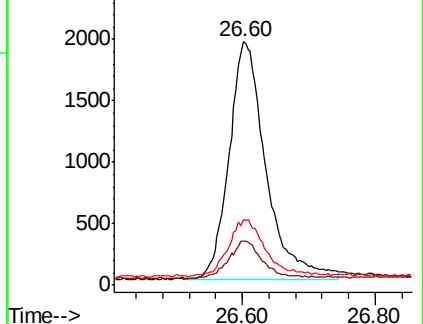
279 26.9 22.0 33.0

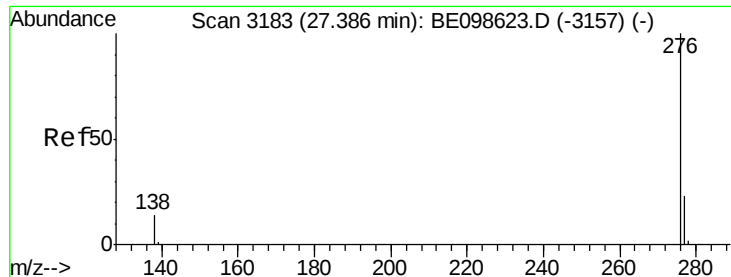


Abundance Ion 278.00 (277.70 to 278.70): E

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: 0.356 ng

RT: 27.39 min Scan# 3184

Delta R.T. 0.01 min

Lab File: BE098667.D

Acq: 18 Jan 2019 12:08

Instrument :

BNA_F

ClientSampleId :

PB116504BS

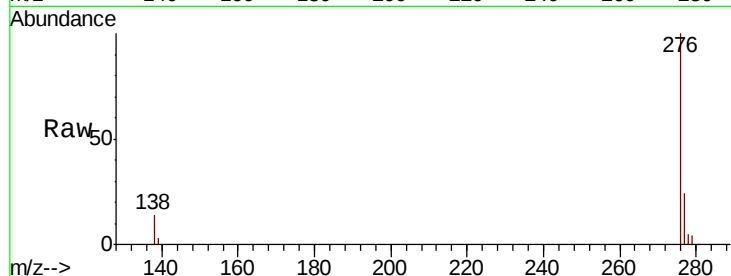
Tot Ion: 276 Resp: 7593

Ion Ratio Lower Upper

276 100

277 24.1 20.3 30.5

138 14.4 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

