

Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE011819\
 Data File : BE098667.D
 Acq On : 18 Jan 2019 16:27
 Operator : SJ/JU
 Sample : PB116504BS
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 PB116504BS

Quant Time: Jan 18 21:21:21 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	1052	0.40	ng	0.01
7) Naphthalene-d8	10.63	136	4965	0.40	ng	0.03
13) Acenaphthene-d10	14.49	164	3267	0.40	ng	0.01
19) Phenanthrene-d10	17.23	188	8120	0.40	ng	0.00
27) Chrysene-d12	21.41	240	8945	0.40	ng	0.00
34) Perylene-d12	23.93	264	8761	0.40	ng	0.00

System Monitoring Compounds						
4) 2-Fluorophenol	5.41	112	1097	0.39	ng	0.01
5) Phenol-d6	7.01	99	1544	0.39	ng	0.01
8) Nitrobenzene-d5	8.99	82	1468	0.37	ng	0.03
11) 2-Methylnaphthalene-d10	12.22	152	2750	0.34	ng	0.01
14) 2,4,6-Tribromophenol	15.98	330	546	0.38	ng	0.01
15) 2-Fluorobiphenyl	13.10	172	4345	0.32	ng	0.01
25) Fluoranthene-d10	19.26	212	32177	0.32	ng	0.00
29) Terphenyl-d14	19.86	244	6769	0.34	ng	0.00

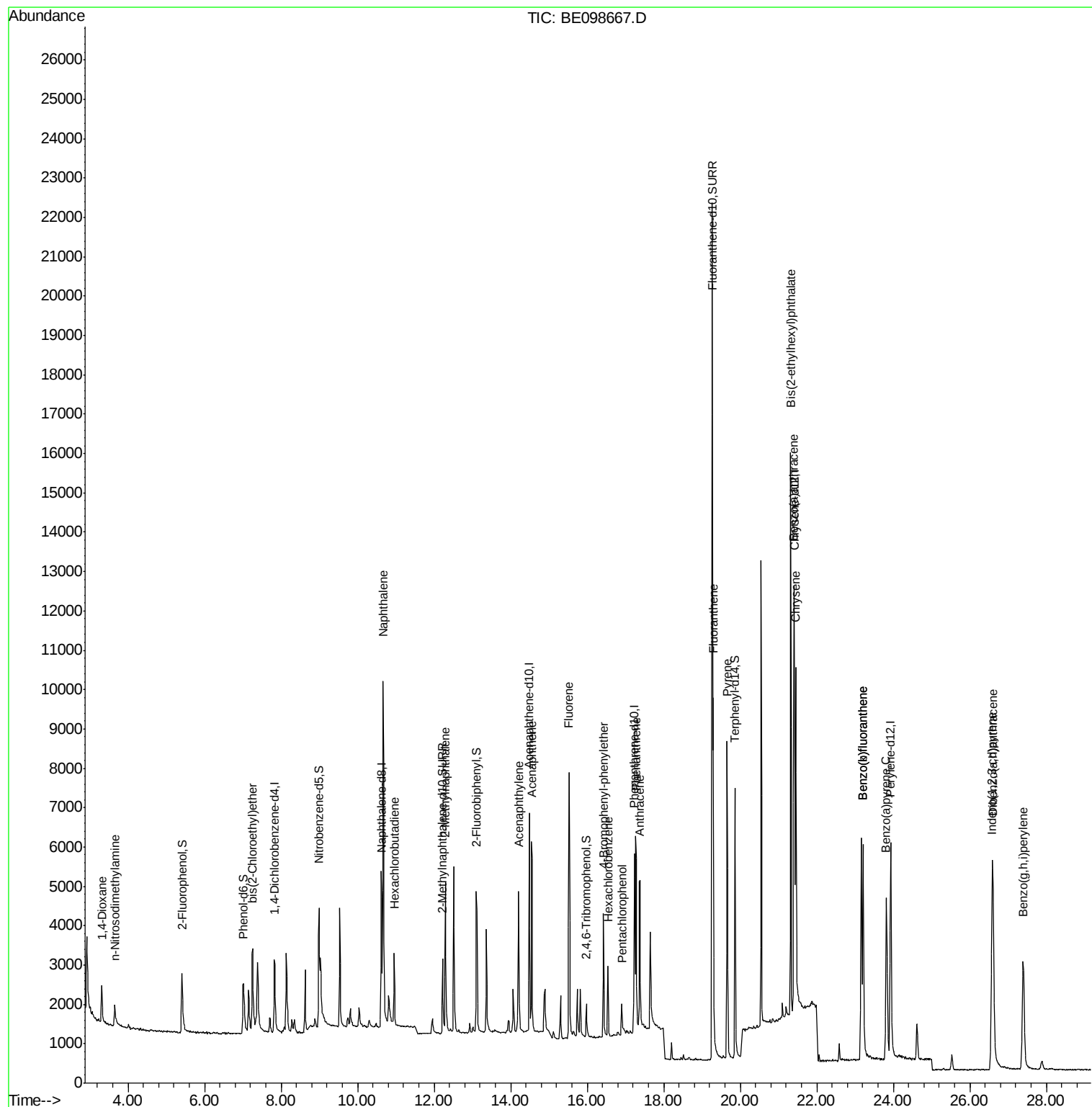
Target Compounds				Qvalue		
2) 1,4-Dioxane	3.32	88	750	0.384	ng	90
3) n-Nitrosodimethylamine	3.65	42	654	0.420	ng	# 99
6) bis(2-Chloroethyl)ether	7.25	93	1150	0.381	ng	91
9) Naphthalene	10.67	128	16180	0.327	ng	100
10) Hexachlorobutadiene	10.95	225	1237	0.350	ng	97
12) 2-Methylnaphthalene	12.30	142	2742	0.334	ng	94
16) Acenaphthylene	14.21	152	4650	0.329	ng	98
17) Acenaphthene	14.54	154	2890	0.326	ng	98
18) Fluorene	15.53	166	3951	0.342	ng	99
20) 4-Bromophenyl-phenylether	16.42	248	1391	0.323	ng	97
21) Hexachlorobenzene	16.54	284	1671	0.322	ng	98
22) Pentachlorophenol	16.91	266	595	0.481	ng	96
23) Phenanthrene	17.27	178	6347	0.330	ng	99
24) Anthracene	17.37	178	5374	0.326	ng	99
26) Fluoranthene	19.29	202	7842	0.317	ng	98
28) Pyrene	19.66	202	8193	0.333	ng	100
30) Benzo(a)anthracene	21.40	228	7955	0.331	ng	95
31) Chrysene	21.45	228	8365	0.336	ng	99
32) Bis(2-ethylhexyl)phthalate	21.32	149	16082	0.315	ng	100
33) Indeno(1,2,3-cd)pyrene	26.58	276	8893	0.346	ng	99
35) Benzo(b)fluoranthene	23.21	252	8515	0.356	ng	97
36) Benzo(k)fluoranthene	23.21	252	8515	0.326	ng	98
37) Benzo(a)pyrene	23.82	252	7724	0.329	ng	98
38) Dibenzo(a,h)anthracene	26.61	278	7327	0.352	ng	# 93
39) Benzo(g,h,i)perylene	27.39	276	7545	0.331	ng	97

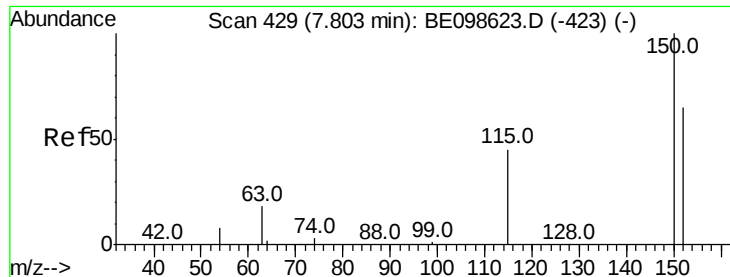
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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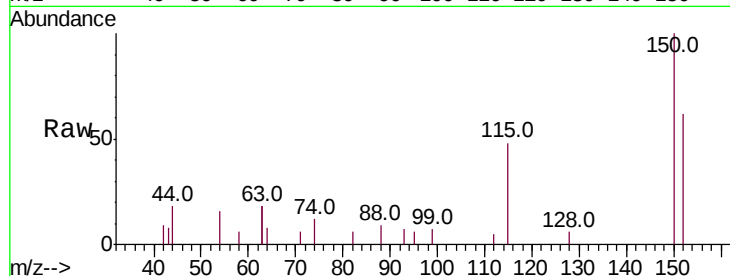


#1

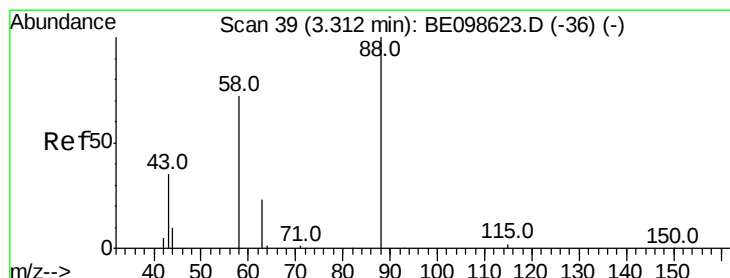
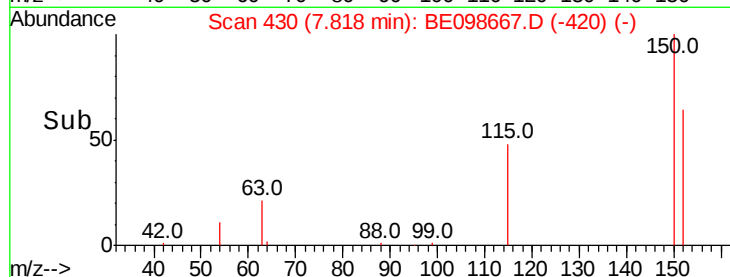
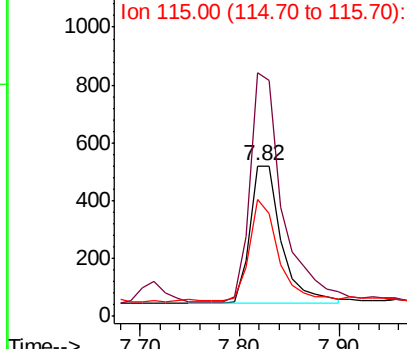
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.82 min Scan# 430
Delta R.T. 0.01 min
Lab File: BE098667.D
Acq: 18 Jan 2019 16:27

Instrument :
BNA_E
ClientSampleId :
PB116504BS

Tot Ion:152 Resp: 1052
Ion Ratio Lower Upper
152 100
150 161.9 121.4 182.2
115 77.5 59.1 88.7



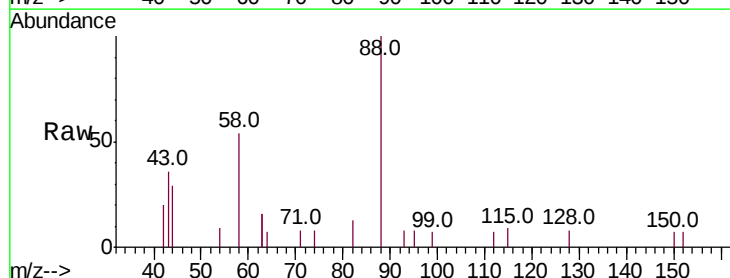
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



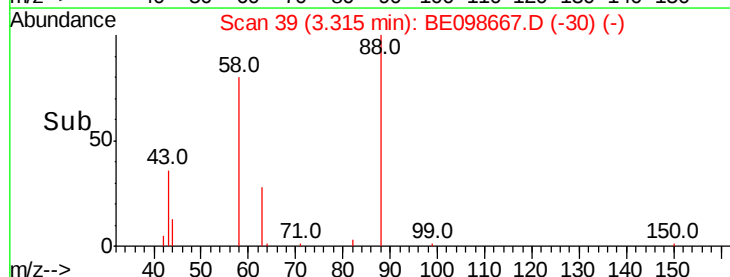
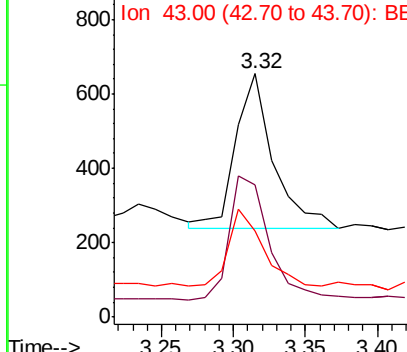
#2

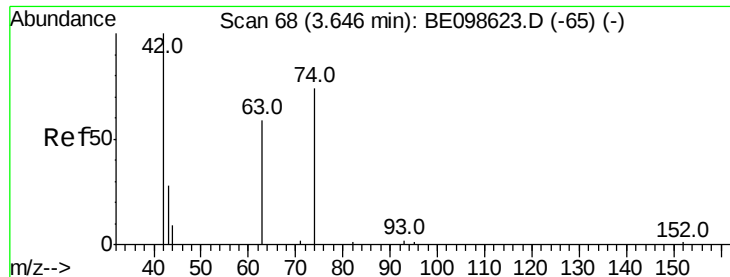
1,4-Dioxane
Concen: 0.384 ng
RT: 3.32 min Scan# 39
Delta R.T. 0.00 min
Lab File: BE098667.D
Acq: 18 Jan 2019 16:27

Tgt Ion: 88 Resp: 750
Ion Ratio Lower Upper
88 100
58 84.5 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: 0.420 ng

RT: 3.65 min Scan# 68

Delta R.T. 0.00 min

Lab File: BE098667.D

Acq: 18 Jan 2019 16:27

Instrument :

BNA_E

ClientSampleId :

PB116504BS

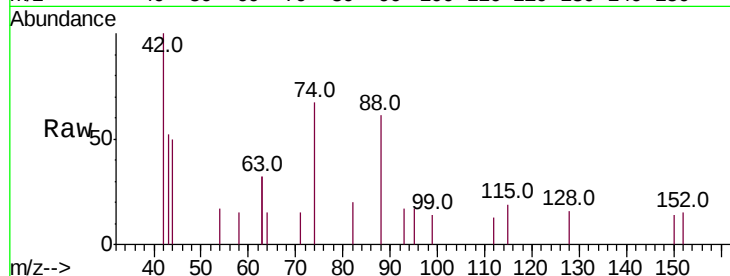
Tot Ion: 42 Resp: 654

Ion Ratio Lower Upper

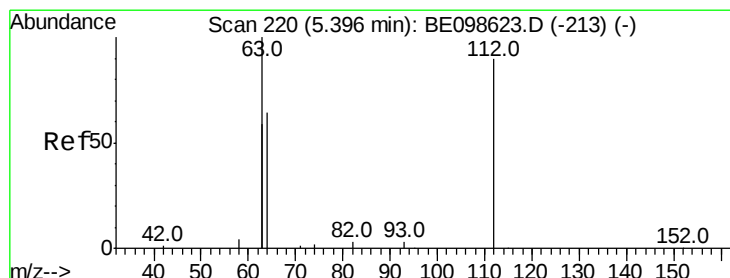
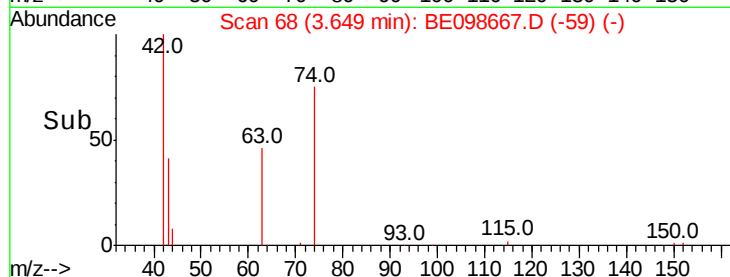
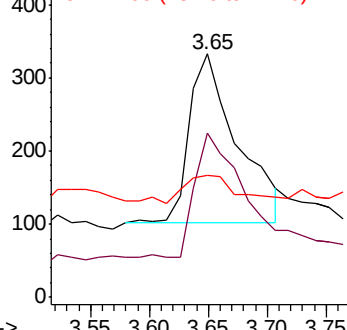
42 100

74 74.8 58.9 88.3

44 15.4 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: 0.391 ng

RT: 5.41 min Scan# 221

Delta R.T. 0.01 min

Lab File: BE098667.D

Acq: 18 Jan 2019 16:27

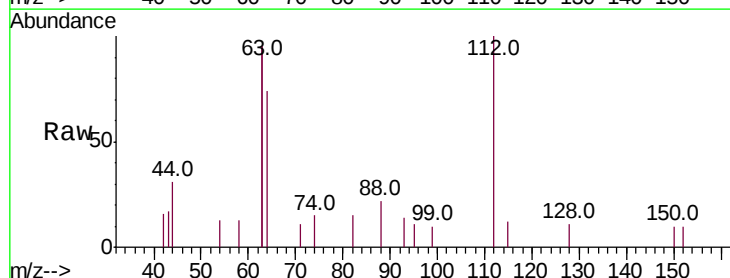
Tgt Ion: 112 Resp: 1097

Ion Ratio Lower Upper

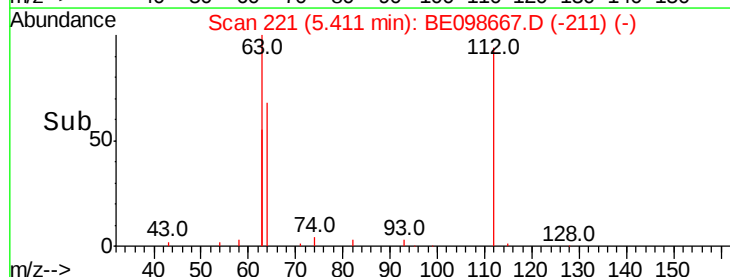
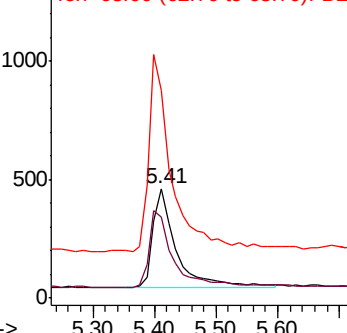
112 100

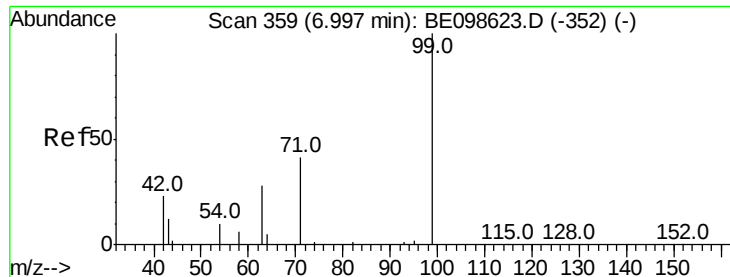
64 82.8 62.9 94.3

63 194.3 152.2 228.4



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: 7.01 min Scan# 360

Delta R.T. 0.01 min

Lab File: BE098667.D

Acq: 18 Jan 2019 16:27

Instrument :

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ClientSampleId :

PB116504BS

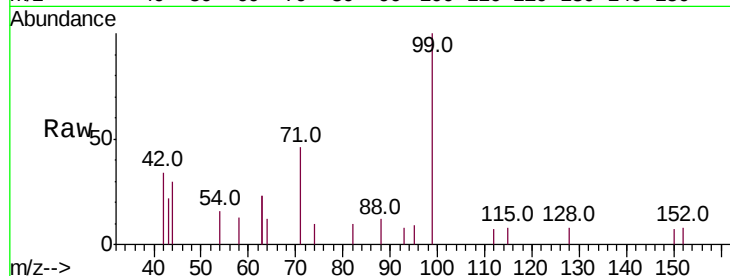
Tot Ion: 99 Resp: 1544

Ion Ratio Lower Upper

99 100

42 32.8 24.6 37.0

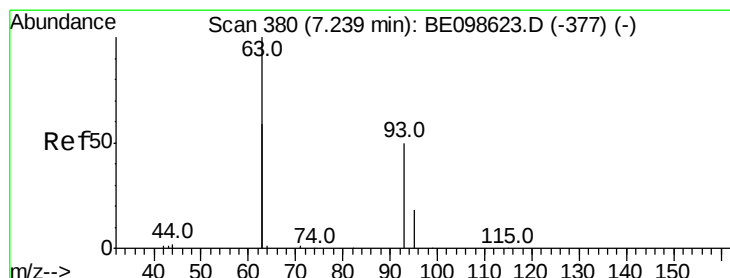
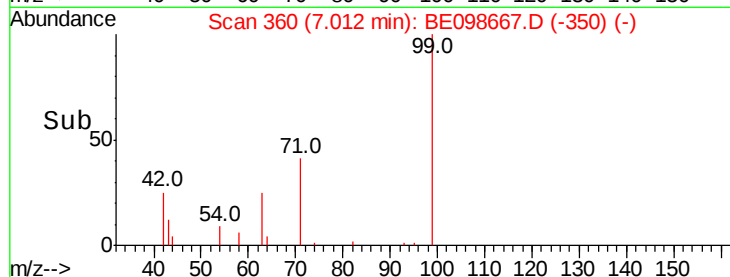
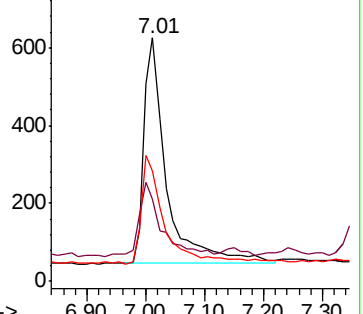
71 50.1 35.1 52.7



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: 0.381 ng

RT: 7.25 min Scan# 381

Delta R.T. 0.01 min

Lab File: BE098667.D

Acq: 18 Jan 2019 16:27

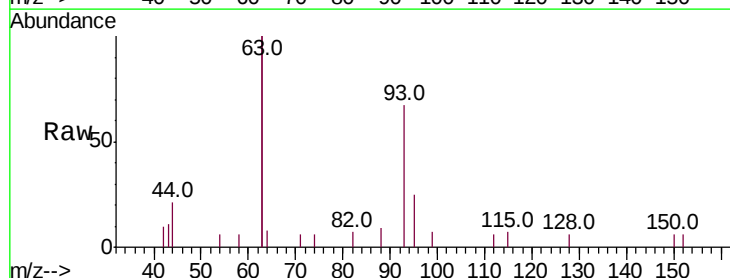
Tgt Ion: 93 Resp: 1150

Ion Ratio Lower Upper

93 100

63 314.6 267.3 400.9

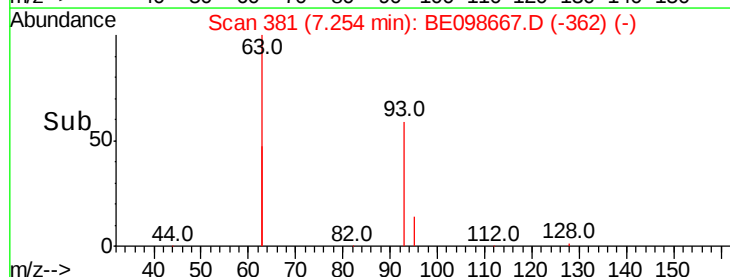
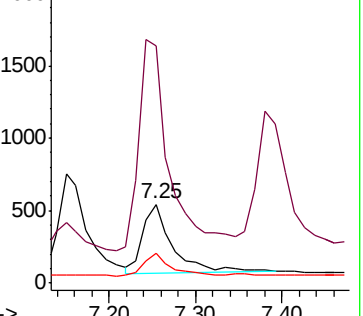
95 29.0 26.2 39.4

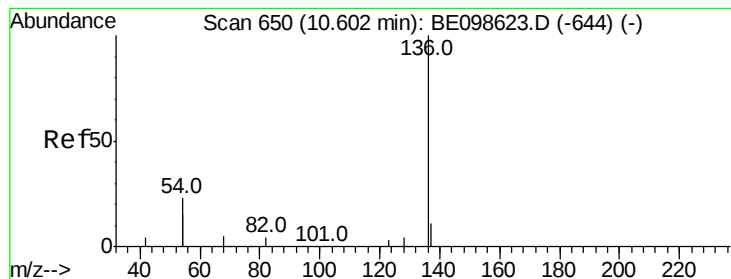


Abundance Ion 93.00 (92.70 to 93.70): BE0

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: 10.63 min Scan# 651

Delta R.T. 0.03 min

Lab File: BE098667.D

Acq: 18 Jan 2019 16:27

Instrument :

BNA_E

ClientSampleId :

PB116504BS

Tot Ion:136 Resp: 4965

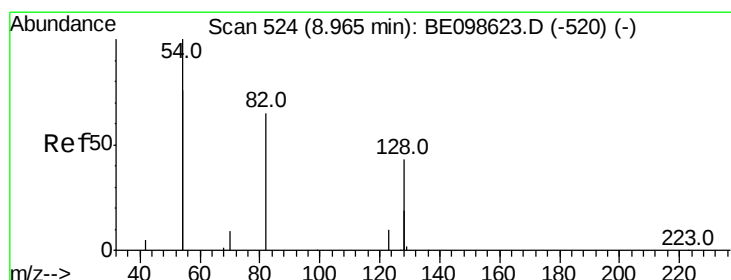
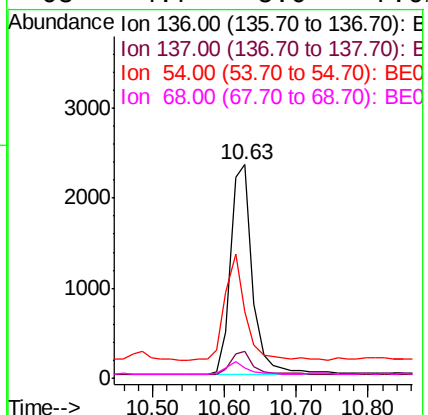
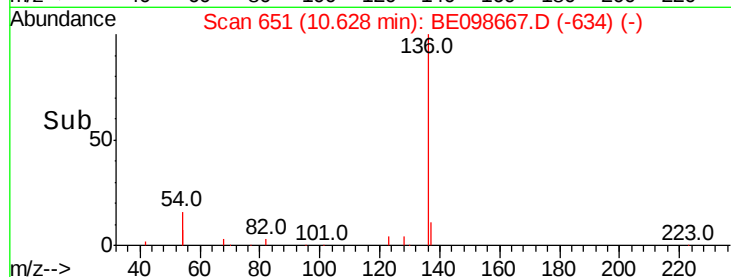
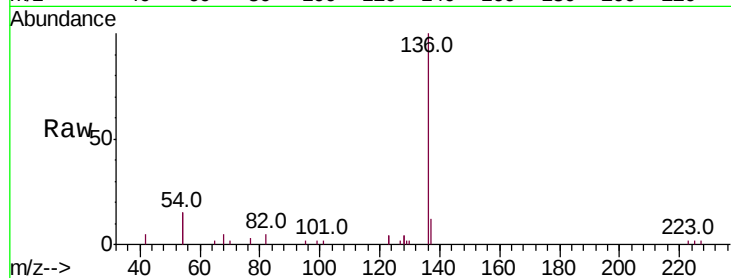
Ion Ratio Lower Upper

136 100

137 12.3 9.7 14.5

54 30.9 35.5 53.3#

68 4.7 5.0 7.6#



#8

Nitrobenzene-d5

Concen: 0.373 ng

RT: 8.99 min Scan# 525

Delta R.T. 0.03 min

Lab File: BE098667.D

Acq: 18 Jan 2019 16:27

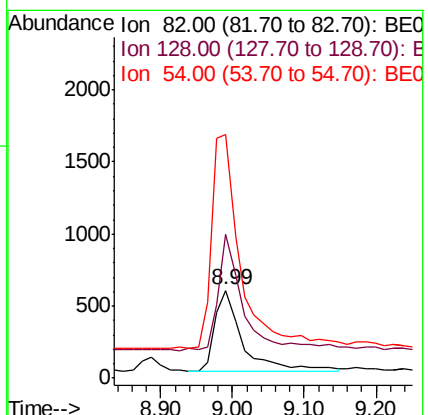
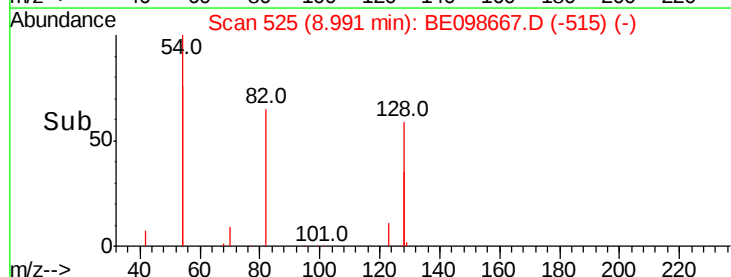
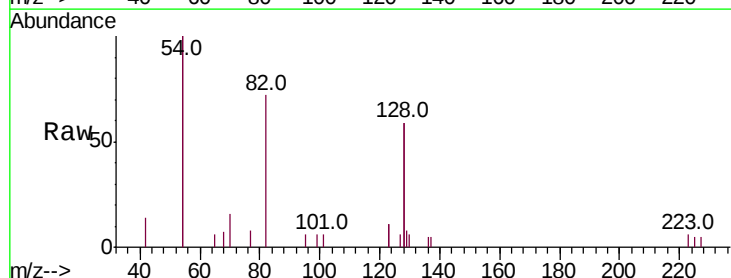
Tgt Ion: 82 Resp: 1468

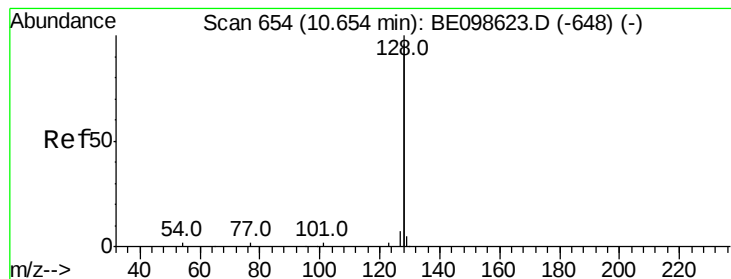
Ion Ratio Lower Upper

82 100

128 163.0 96.5 144.7#

54 277.0 224.7 337.1





#9

Naphthalene

Concen: 0.327 ng

RT: 10.67 min Scan# 654

Delta R.T. 0.01 min

Lab File: BE098667.D

Acq: 18 Jan 2019 16:27

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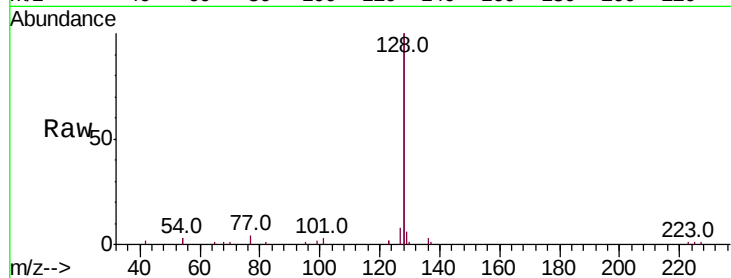
Tot Ion:128 Resp: 16180

Ion Ratio Lower Upper

128 100

129 3.2 2.6 3.8

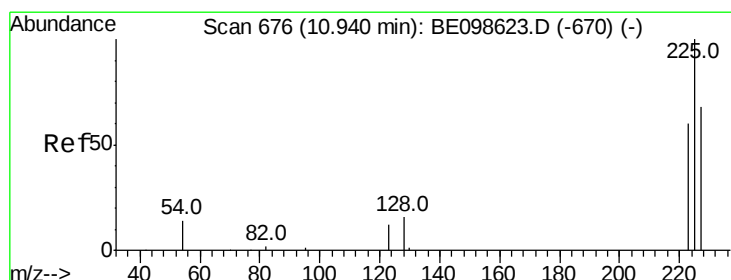
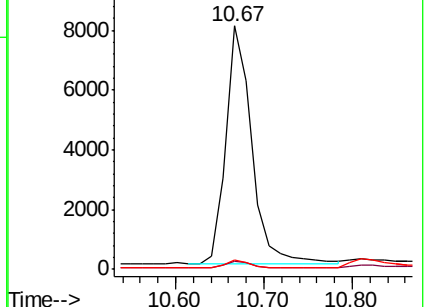
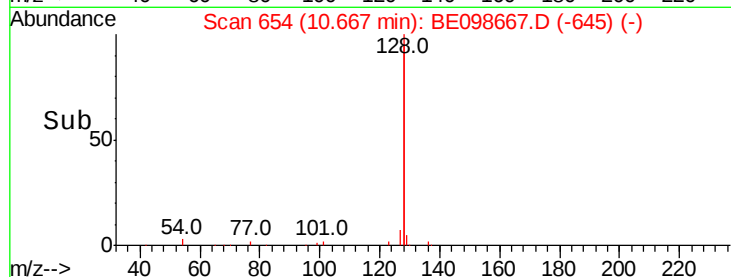
127 3.8 3.0 4.6



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: 0.350 ng

RT: 10.95 min Scan# 676

Delta R.T. 0.01 min

Lab File: BE098667.D

Acq: 18 Jan 2019 16:27

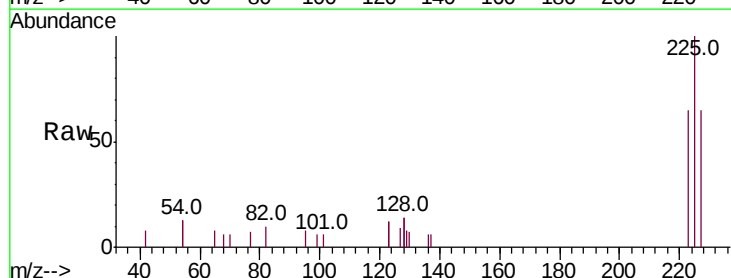
Tgt Ion:225 Resp: 1237

Ion Ratio Lower Upper

225 100

223 62.7 47.8 71.8

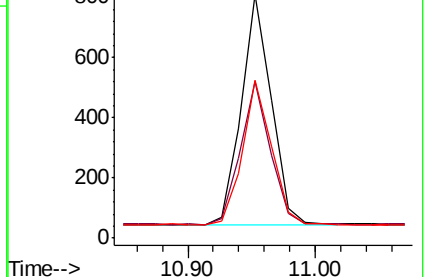
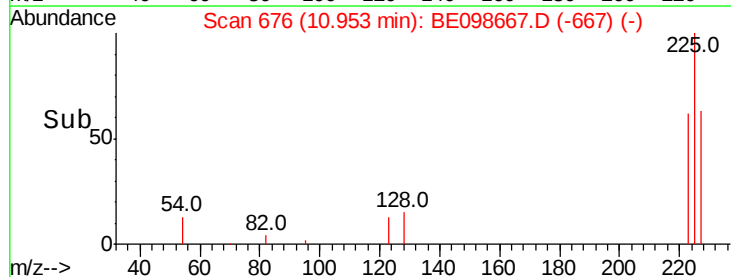
227 62.0 50.5 75.7

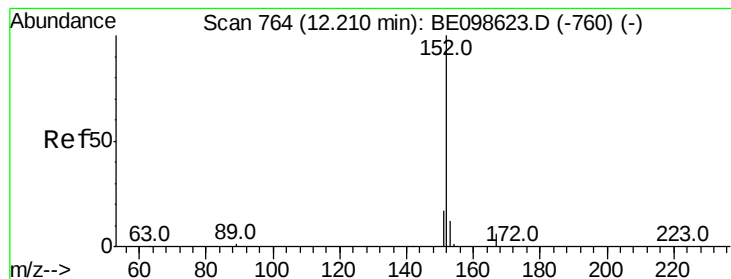


Abundance Ion 225.00 (224.70 to 225.70): E

Ion 223.00 (222.70 to 223.70): E

Ion 227.00 (226.70 to 227.70): E





#11

2-Methylnaphthalene-d10

Concen: 0.337 ng

RT: 12.22 min Scan# 764

Delta R.T. 0.01 min

Lab File: BE098667.D

Acq: 18 Jan 2019 16:27

Instrument :

BNA_E

ClientSampleId :

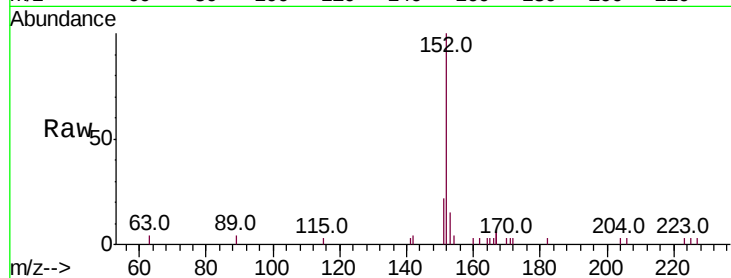
PB116504BS

Tot Ion:152 Resp: 2750

Ion Ratio Lower Upper

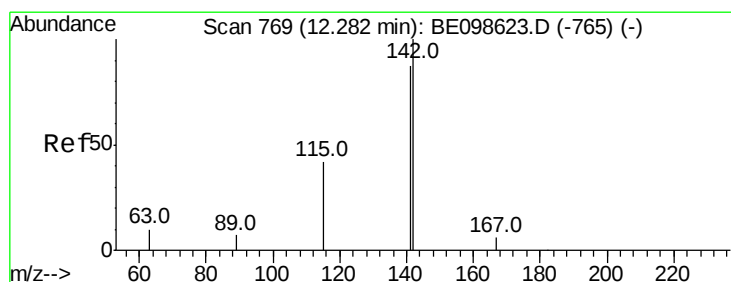
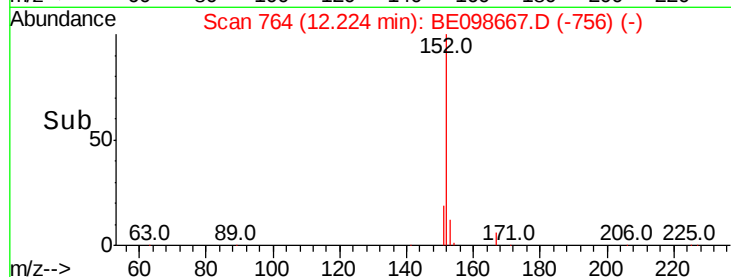
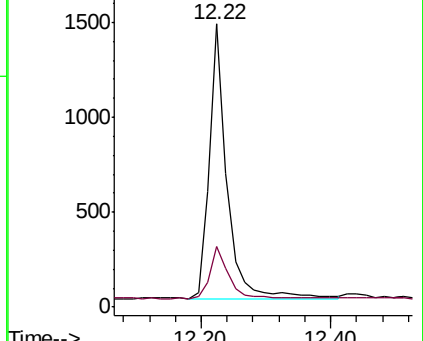
152 100

151 20.4 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: 0.334 ng

RT: 12.30 min Scan# 769

Delta R.T. 0.01 min

Lab File: BE098667.D

Acq: 18 Jan 2019 16:27

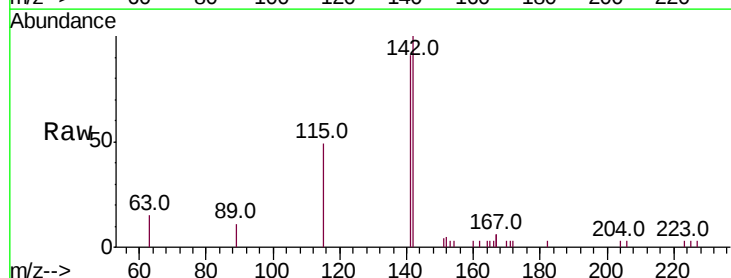
Tgt Ion:142 Resp: 2742

Ion Ratio Lower Upper

142 100

141 91.5 70.0 105.0

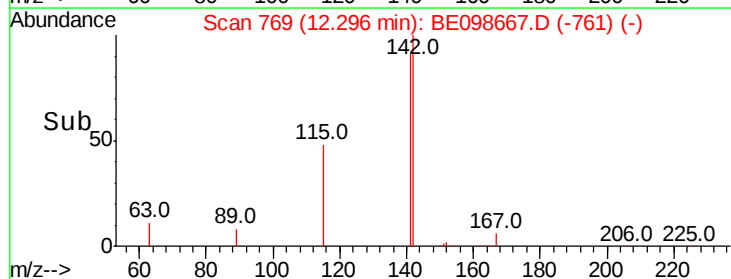
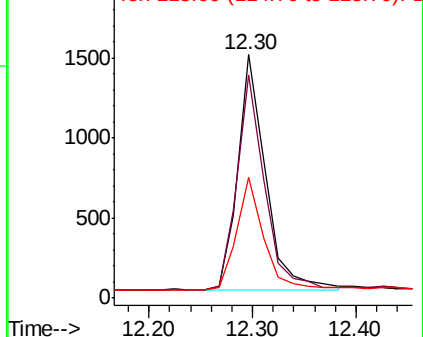
115 49.4 35.2 52.8

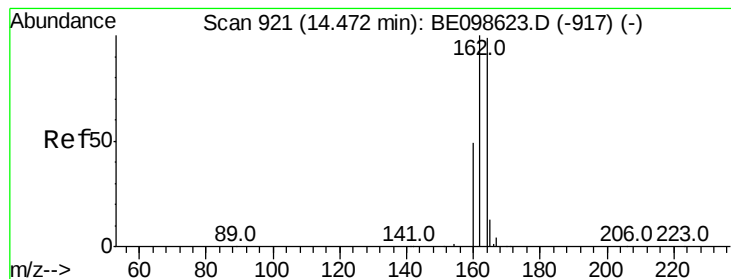


Abundance Ion 142.00 (141.70 to 142.70): E

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: 14.49 min Scan# 921

Delta R.T. 0.01 min

Lab File: BE098667.D

Acq: 18 Jan 2019 16:27

Instrument :

BNA_E

ClientSampleId :

PB116504BS

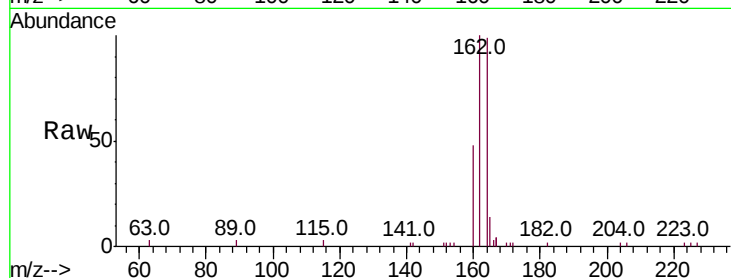
Tot Ion:164 Resp: 3267

Ion Ratio Lower Upper

164 100

162 101.2 80.5 120.7

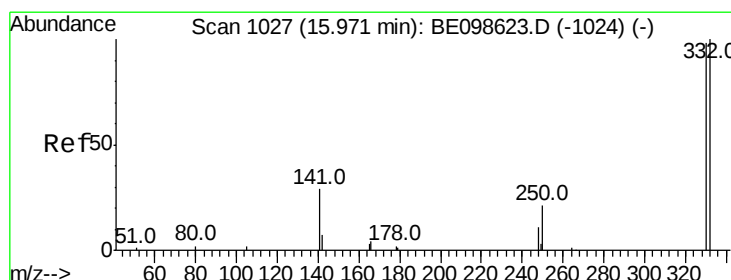
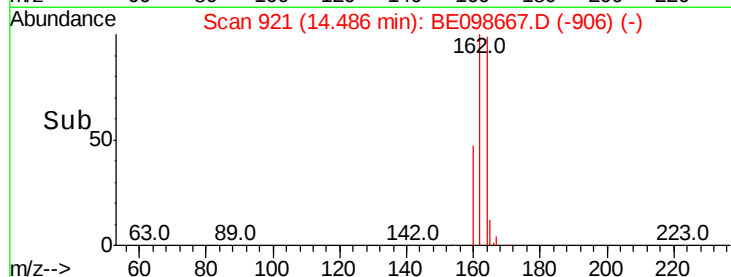
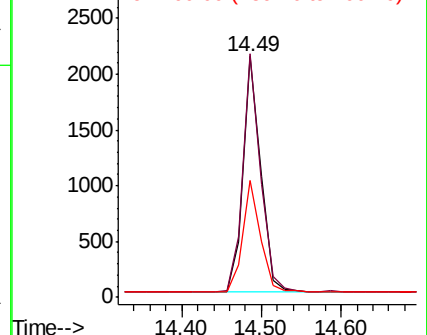
160 48.6 40.1 60.1



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: 0.384 ng

RT: 15.98 min Scan# 1027

Delta R.T. 0.01 min

Lab File: BE098667.D

Acq: 18 Jan 2019 16:27

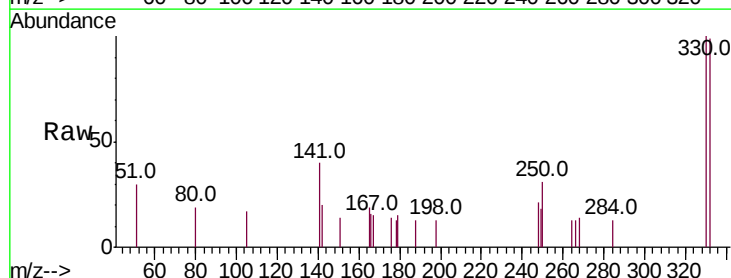
Tgt Ion:330 Resp: 546

Ion Ratio Lower Upper

330 100

332 98.2 73.3 109.9

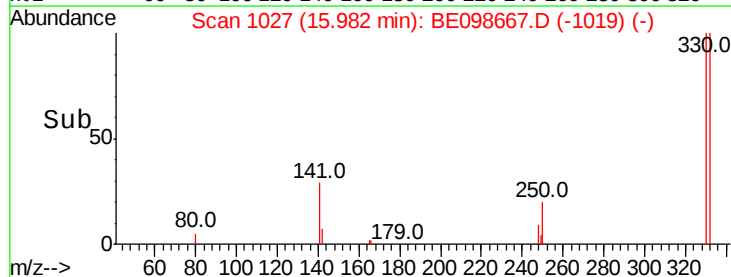
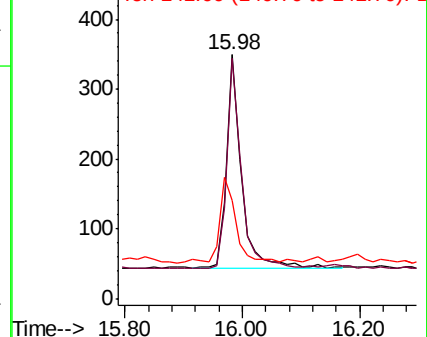
141 41.6 33.1 49.7

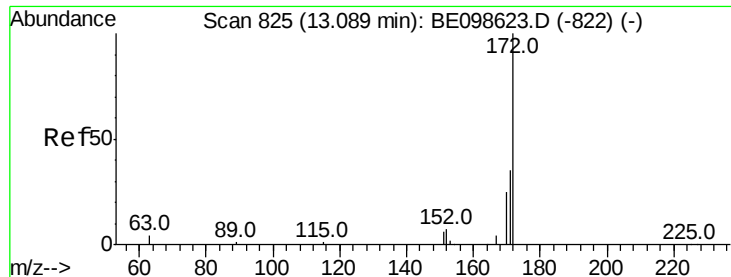


Abundance Ion 330.00 (329.70 to 330.70): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

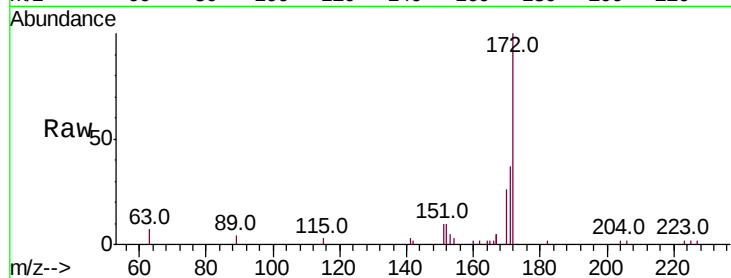




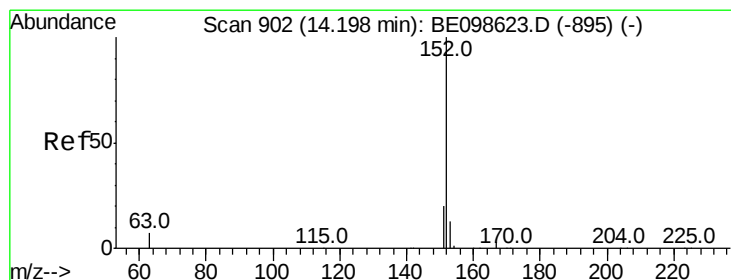
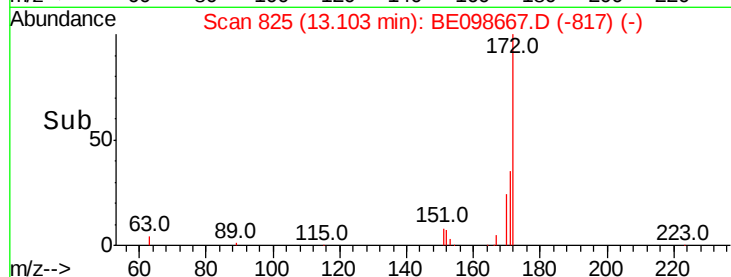
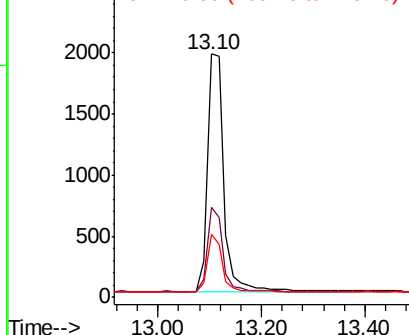
#15
2-Fluorobiphenyl
Concen: 0.325 ng
RT: 13.10 min Scan# 825
Delta R.T. 0.01 min
Lab File: BE098667.D
Acq: 18 Jan 2019 16:27

Instrument :
BNA_E
ClientSampleId :
PB116504BS

Tot Ion:172 Resp: 4345
Ion Ratio Lower Upper
172 100
171 36.9 29.0 43.4
170 26.1 20.8 31.2

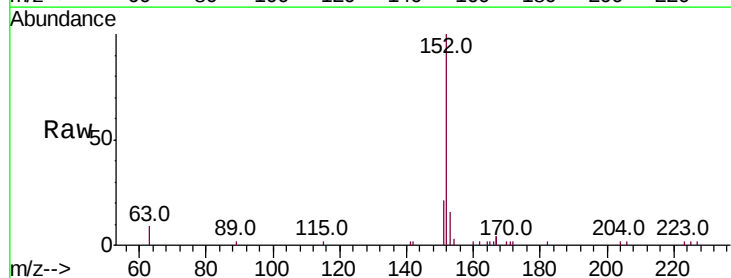


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

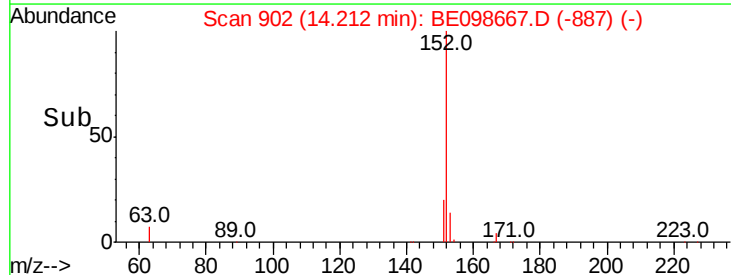
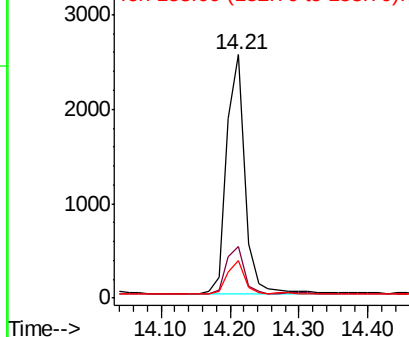


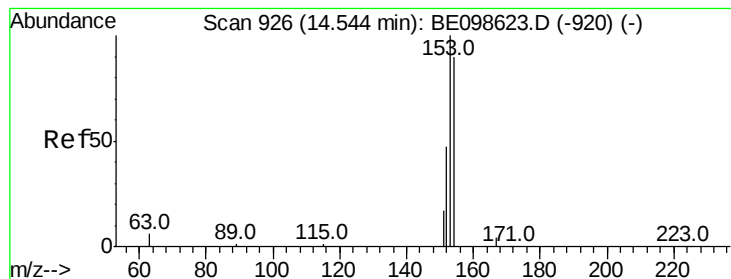
#16
Acenaphthylene
Concen: 0.329 ng
RT: 14.21 min Scan# 902
Delta R.T. 0.01 min
Lab File: BE098667.D
Acq: 18 Jan 2019 16:27

Tgt Ion:152 Resp: 4650
Ion Ratio Lower Upper
152 100
151 19.3 16.3 24.5
153 13.5 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: BE098667.D

Acq: 18 Jan 2019 16:27

Instrument :

BNA_E

ClientSampleId :

PB116504BS

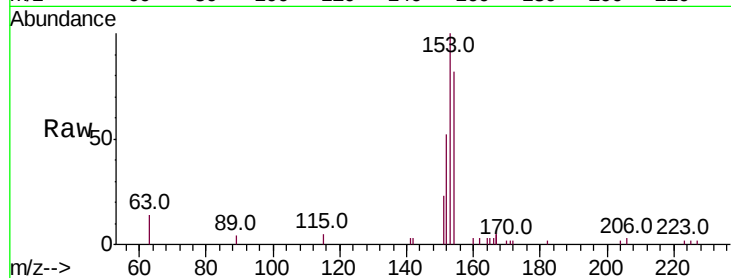
Tot Ion:154 Resp: 2890

Ion Ratio Lower Upper

154 100

153 120.2 93.9 140.9

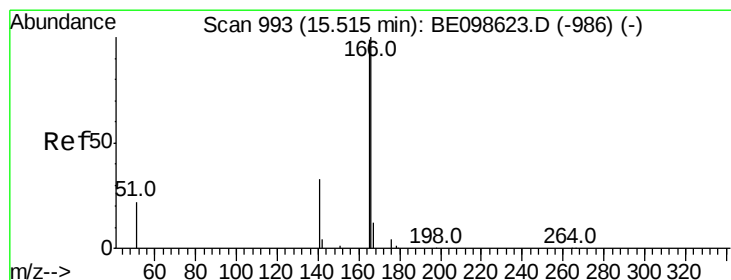
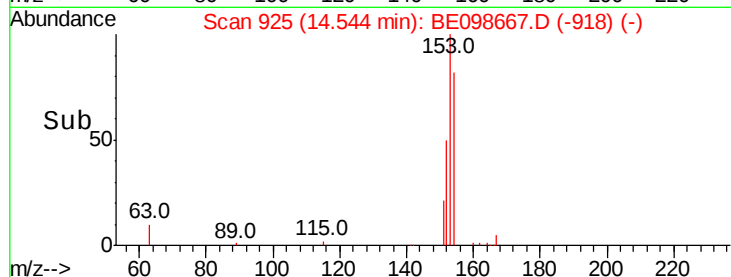
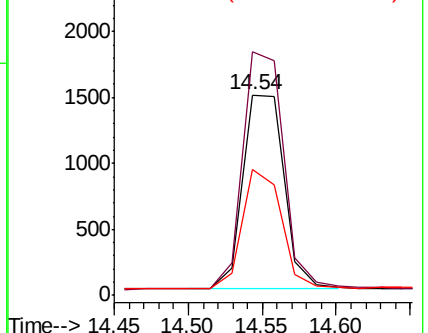
152 58.7 45.8 68.8



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: 0.342 ng

RT: 15.53 min Scan# 993

Delta R.T. 0.01 min

Lab File: BE098667.D

Acq: 18 Jan 2019 16:27

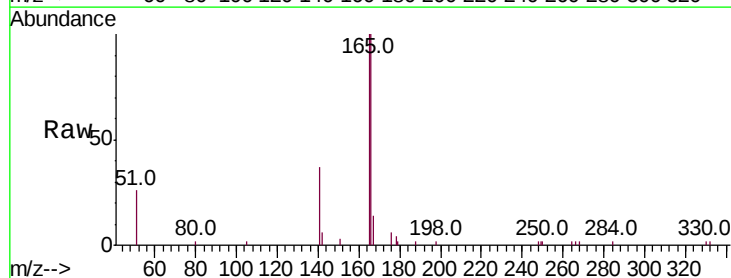
Tgt Ion:166 Resp: 3951

Ion Ratio Lower Upper

166 100

165 98.5 79.3 118.9

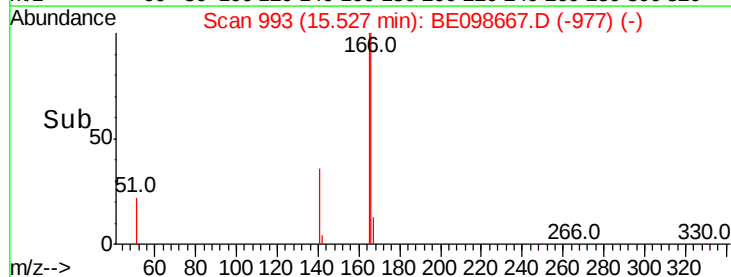
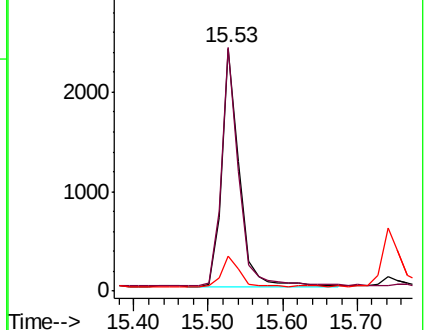
167 13.3 10.6 15.8

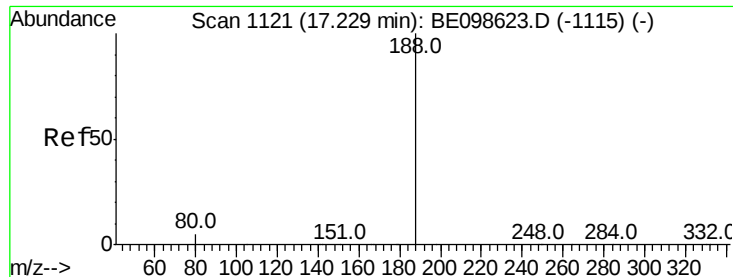


Abundance Ion 166.00 (165.70 to 166.70): E

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: BE098667.D

Acq: 18 Jan 2019 16:27

Instrument :

BNA_E

ClientSampleId :

PB116504BS

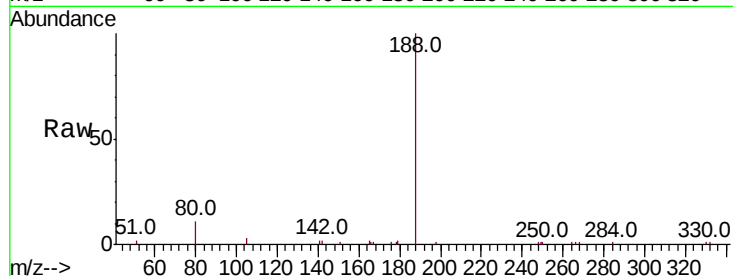
Tot Ion:188 Resp: 8120

Ion Ratio Lower Upper

188 100

94 0.0 0.0 0.0

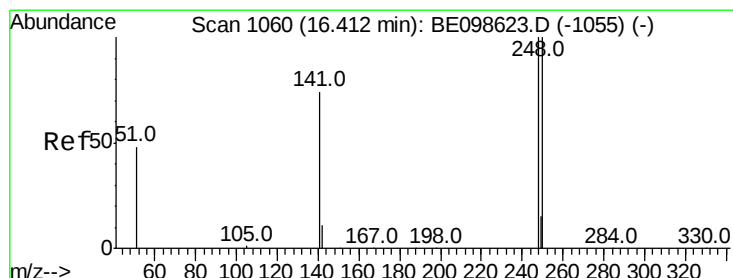
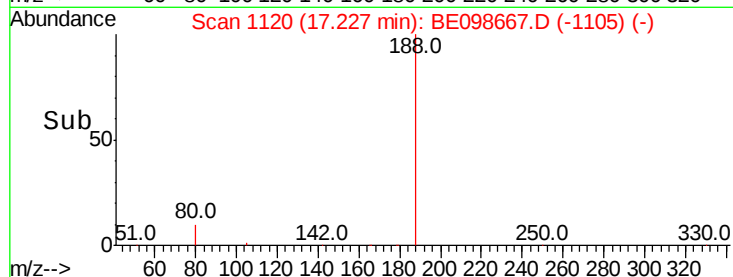
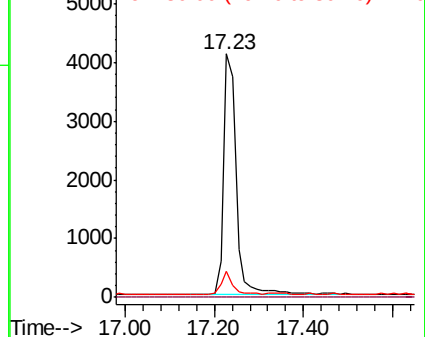
80 10.9 4.7 7.1#



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: 0.323 ng

RT: 16.42 min Scan# 1060

Delta R.T. 0.01 min

Lab File: BE098667.D

Acq: 18 Jan 2019 16:27

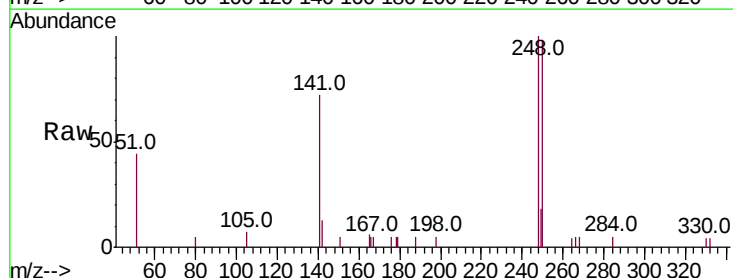
Tgt Ion:248 Resp: 1391

Ion Ratio Lower Upper

248 100

250 98.3 80.2 120.4

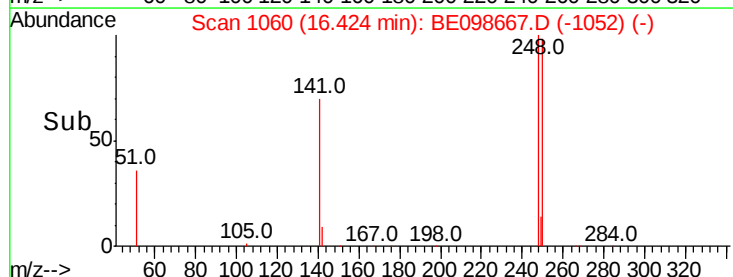
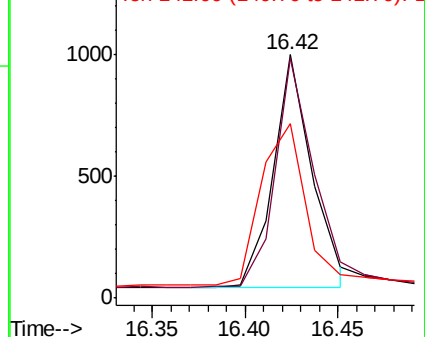
141 71.5 60.5 90.7

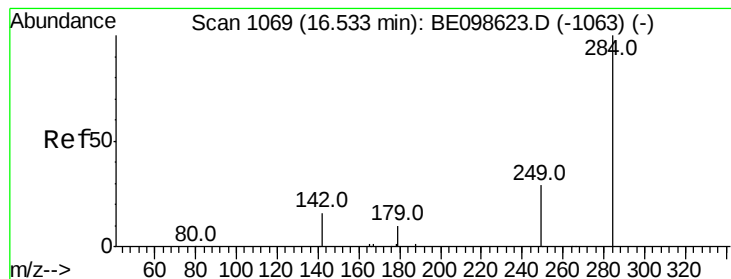


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E





#21

Hexachlorobenzene

Concen: 0.322 ng

RT: 16.54 min Scan# 1069

Delta R.T. 0.01 min

Lab File: BE098667.D

Acq: 18 Jan 2019 16:27

Instrument :

BNA_E

ClientSampleId :

PB116504BS

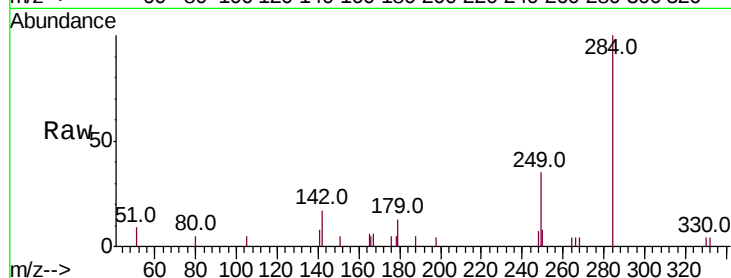
Tot Ion:284 Resp: 1671

Ion Ratio Lower Upper

284 100

142 32.7 25.5 38.3

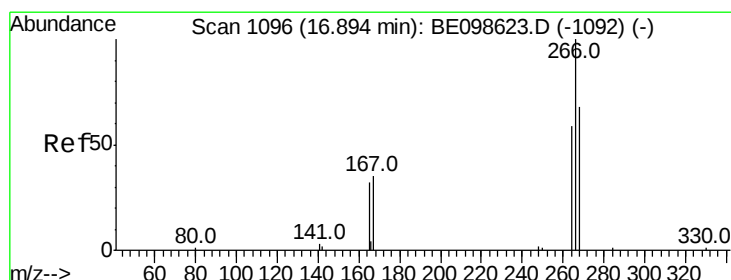
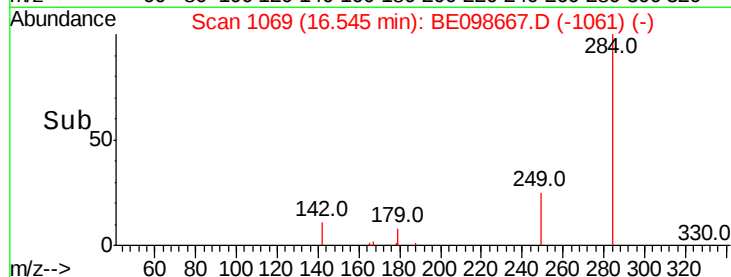
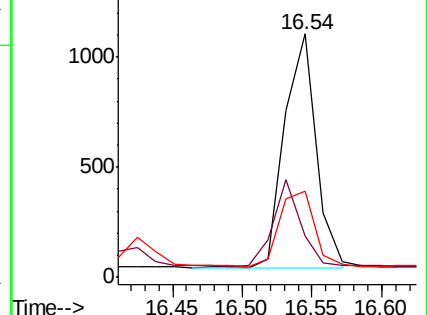
249 35.1 26.6 39.8



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: 0.481 ng

RT: 16.91 min Scan# 1096

Delta R.T. 0.01 min

Lab File: BE098667.D

Acq: 18 Jan 2019 16:27

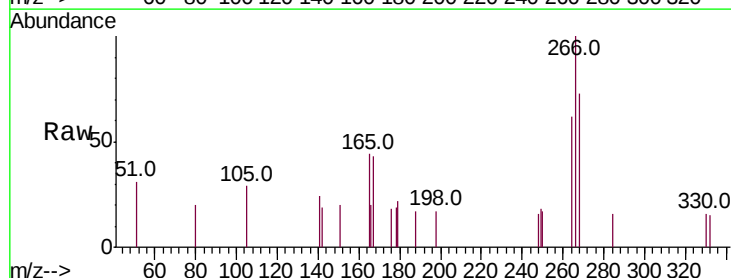
Tgt Ion:266 Resp: 595

Ion Ratio Lower Upper

266 100

264 61.9 53.7 80.5

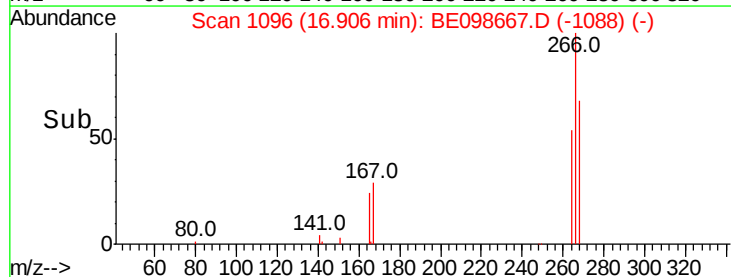
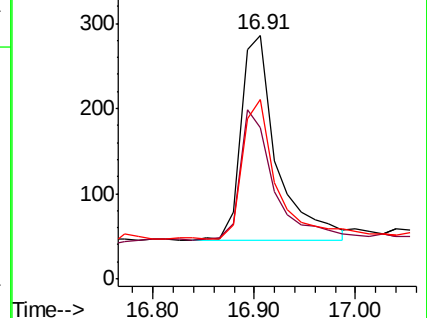
268 73.4 59.8 89.8

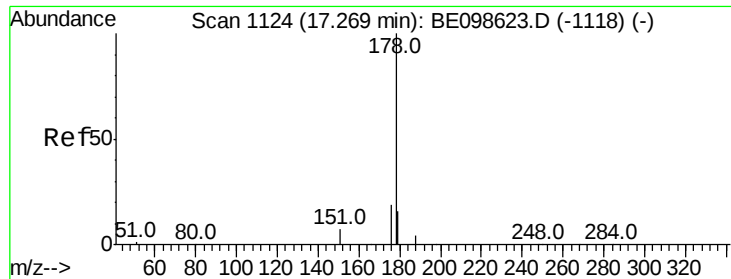


Abundance Ion 266.00 (265.70 to 266.70): E

Ion 264.00 (263.70 to 264.70): E

Ion 268.00 (267.70 to 268.70): E





#23

Phenanthrene

Concen: 0.330 ng

RT: 17.27 min Scan# 1123

Delta R.T. -0.00 min

Lab File: BE098667.D

Acq: 18 Jan 2019 16:27

Instrument :

BNA_E

ClientSampleId :

PB116504BS

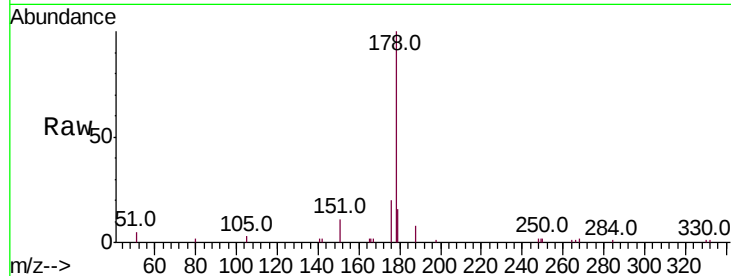
Tot Ion:178 Resp: 6347

Ion Ratio Lower Upper

178 100

176 19.2 15.9 23.9

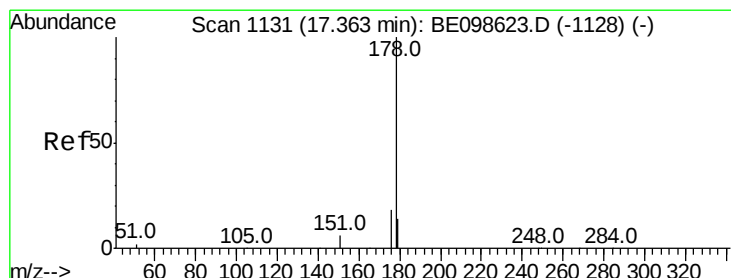
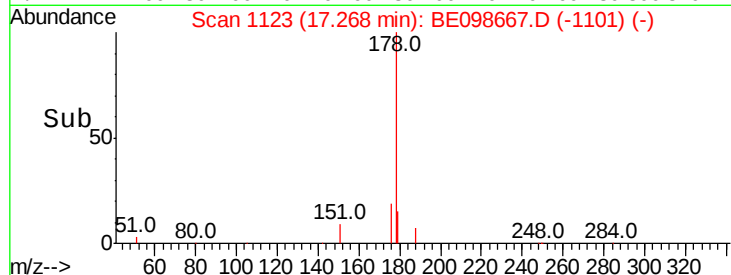
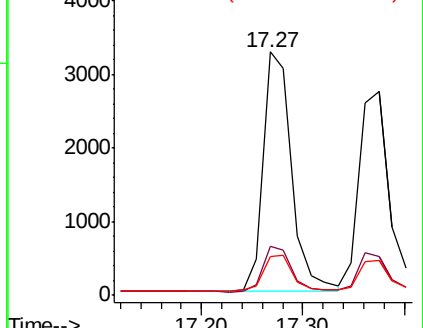
179 15.7 12.2 18.4



Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



#24

Anthracene

Concen: 0.326 ng

RT: 17.37 min Scan# 1131

Delta R.T. 0.01 min

Lab File: BE098667.D

Acq: 18 Jan 2019 16:27

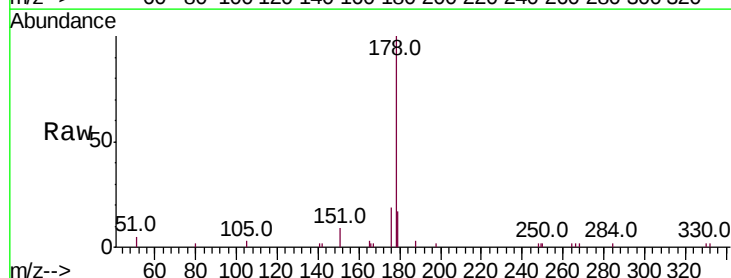
Tgt Ion:178 Resp: 5374

Ion Ratio Lower Upper

178 100

176 18.6 14.9 22.3

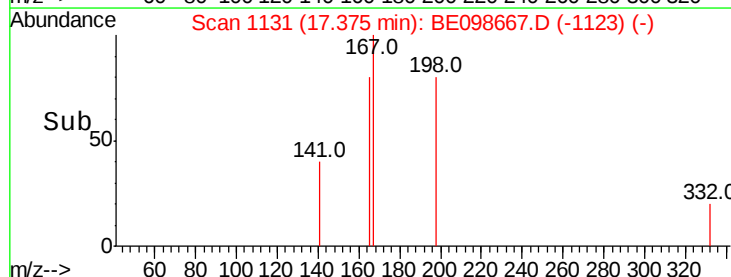
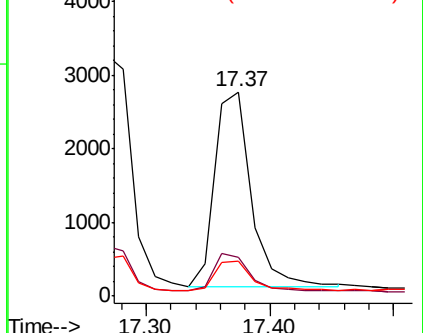
179 15.8 11.8 17.8

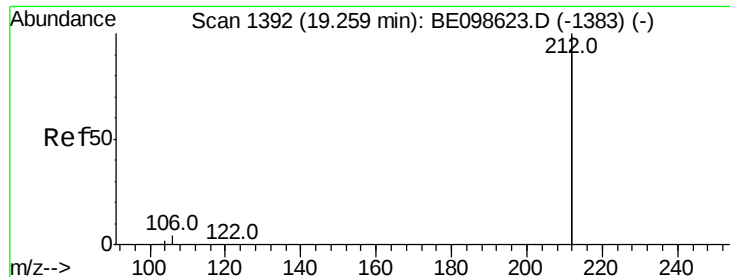


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#25

Fluoranthene-d10

Concen: 0.320 ng

RT: 19.26 min Scan# 1392

Delta R.T. 0.01 min

Lab File: BE098667.D

Acq: 18 Jan 2019 16:27

Instrument :

BNA_E

ClientSampleId :

PB116504BS

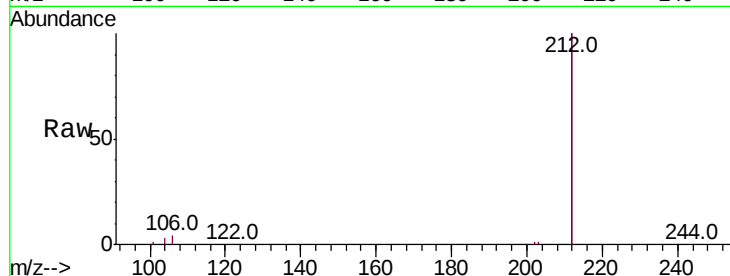
Tot Ion:212 Resp: 32177

Ion Ratio Lower Upper

212 100

106 1.9 1.7 2.5

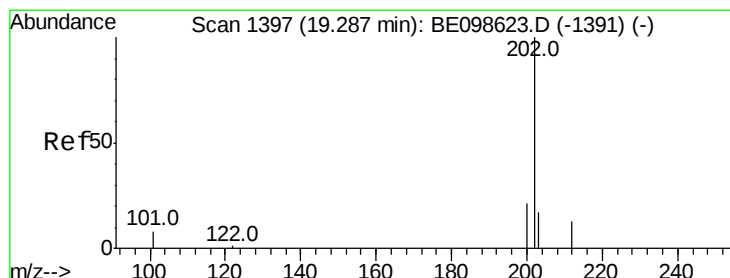
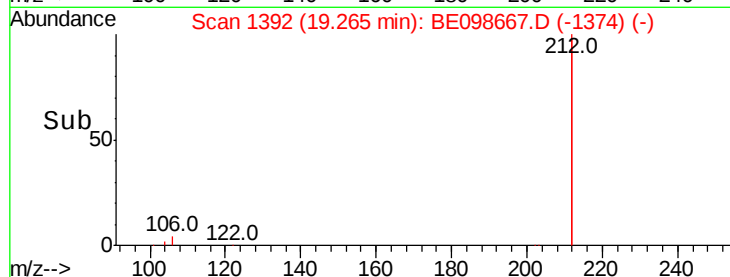
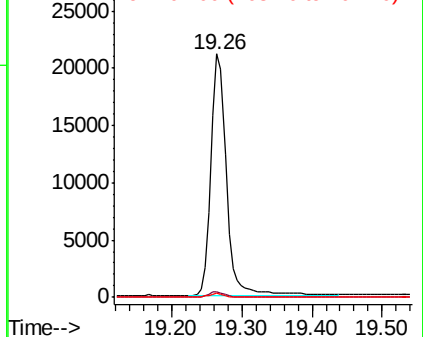
104 1.1 1.0 1.6



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: 0.317 ng

RT: 19.29 min Scan# 1397

Delta R.T. 0.01 min

Lab File: BE098667.D

Acq: 18 Jan 2019 16:27

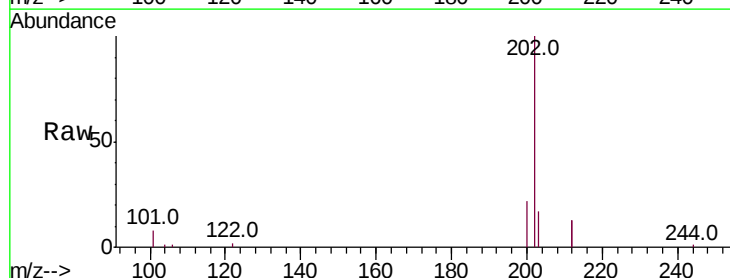
Tgt Ion:202 Resp: 7842

Ion Ratio Lower Upper

202 100

101 7.3 6.7 10.1

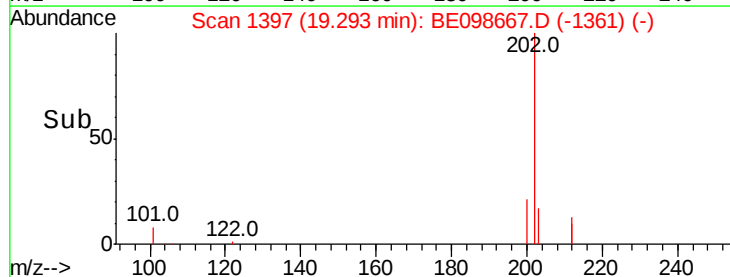
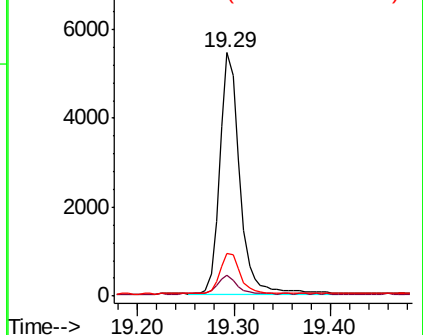
203 17.2 13.3 19.9

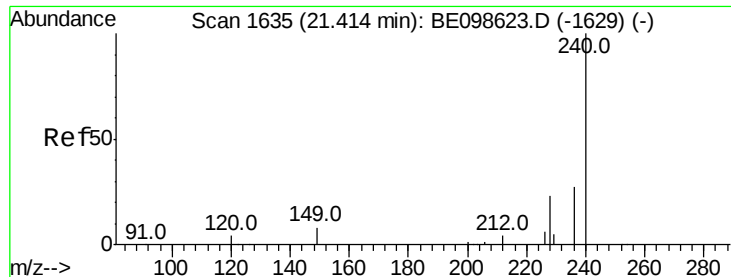


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E

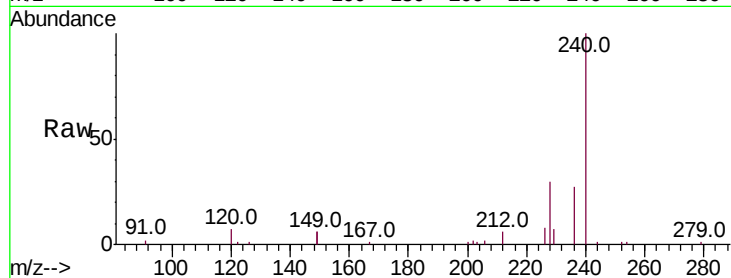




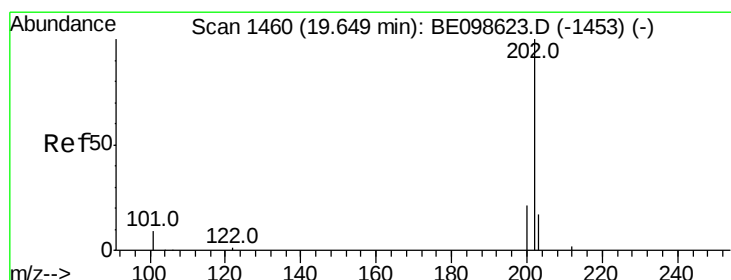
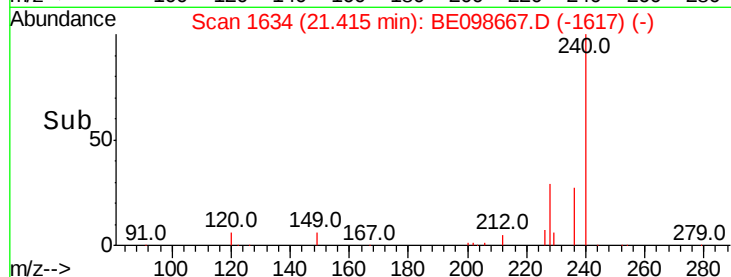
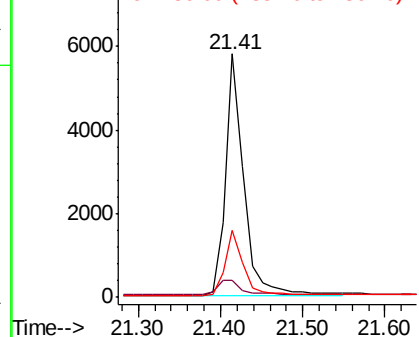
#27
 Chrysene-d12
 Concen: 0.400 ng
 RT: 21.41 min Scan# 1634
 Delta R.T. 0.00 min
 Lab File: BE098667.D
 Acq: 18 Jan 2019 16:27

Instrument :
 BNA_E
 ClientSampleId :
 PB116504BS

Tot Ion:240 Resp: 8945
 Ion Ratio Lower Upper
 240 100
 120 6.8 4.7 7.1
 236 27.5 21.9 32.9

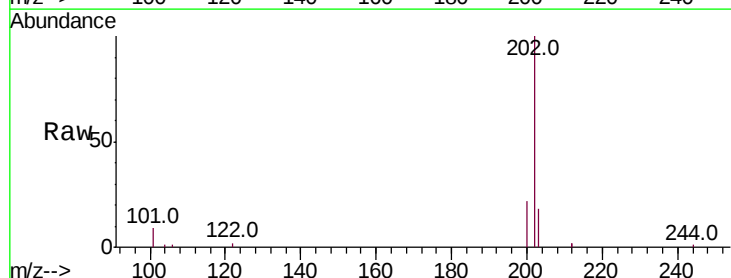


Abundance Ion 240.00 (239.70 to 240.70): E
 Ion 120.00 (119.70 to 120.70): E
 Ion 236.00 (235.70 to 236.70): E

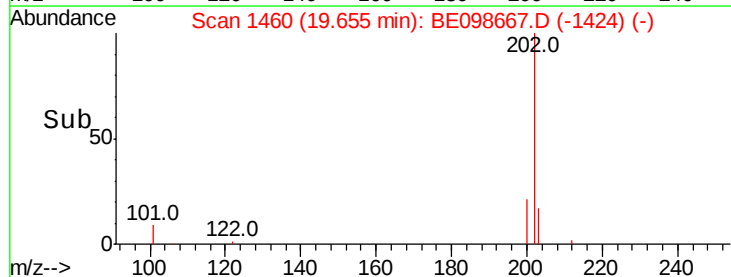
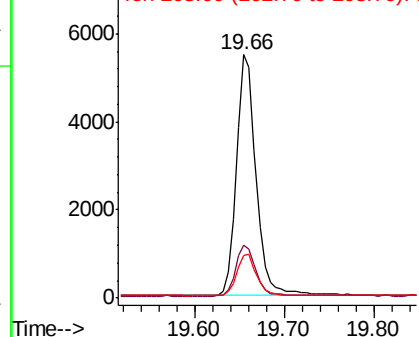


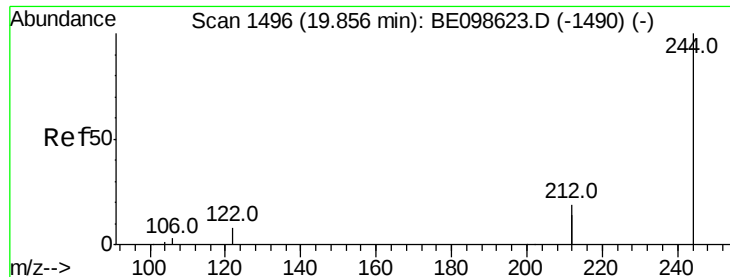
#28
 Pyrene
 Concen: 0.333 ng
 RT: 19.66 min Scan# 1460
 Delta R.T. 0.01 min
 Lab File: BE098667.D
 Acq: 18 Jan 2019 16:27

Tgt Ion:202 Resp: 8193
 Ion Ratio Lower Upper
 202 100
 200 21.2 17.0 25.6
 203 17.5 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: 0.342 ng

RT: 19.86 min Scan# 1496

Delta R.T. 0.01 min

Lab File: BE098667.D

Acq: 18 Jan 2019 16:27

Instrument :

BNA_E

ClientSampleId :

PB116504BS

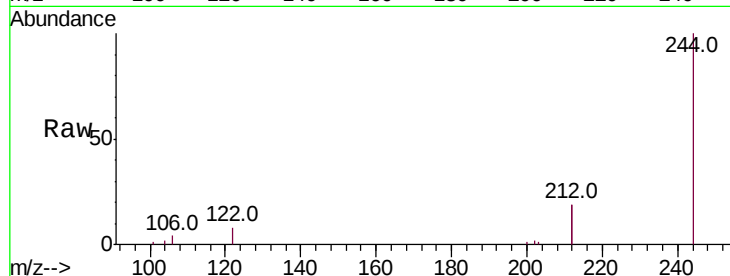
Tot Ion:244 Resp: 6769

Ion Ratio Lower Upper

244 100

212 37.4 29.4 44.2

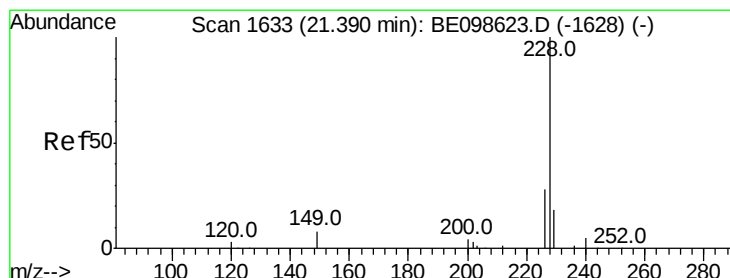
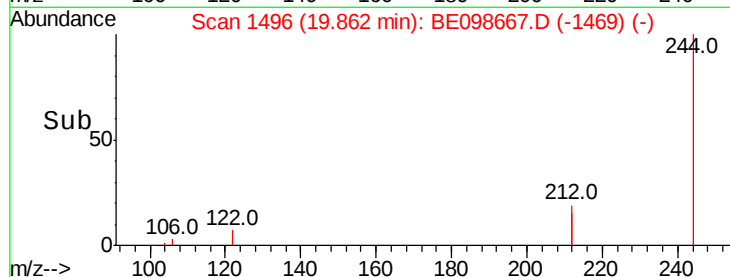
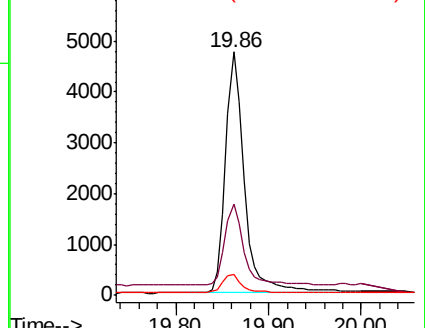
122 8.4 7.1 10.7



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: 0.331 ng

RT: 21.40 min Scan# 1633

Delta R.T. 0.01 min

Lab File: BE098667.D

Acq: 18 Jan 2019 16:27

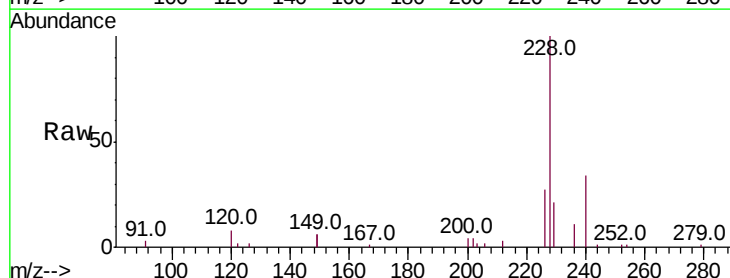
Tgt Ion:228 Resp: 7955

Ion Ratio Lower Upper

228 100

226 26.5 23.0 34.4

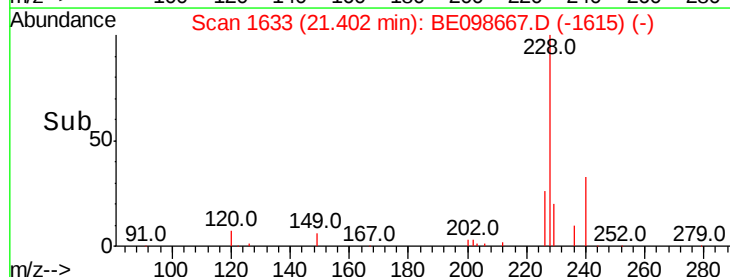
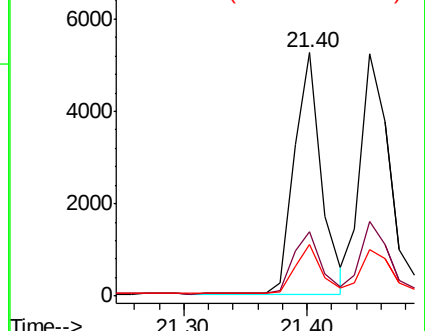
229 21.1 15.0 22.6

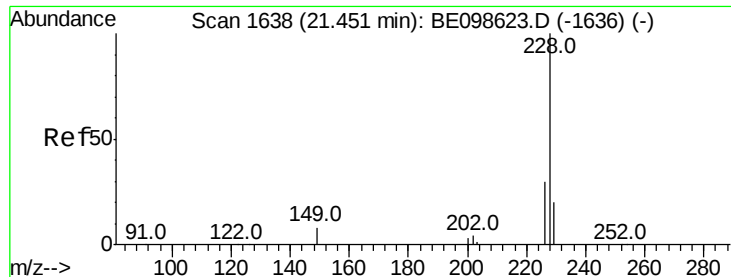


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#31

Chrysene

Concen: 0.336 ng

RT: 21.45 min Scan# 1637

Delta R.T. 0.00 min

Lab File: BE098667.D

Acq: 18 Jan 2019 16:27

Instrument :

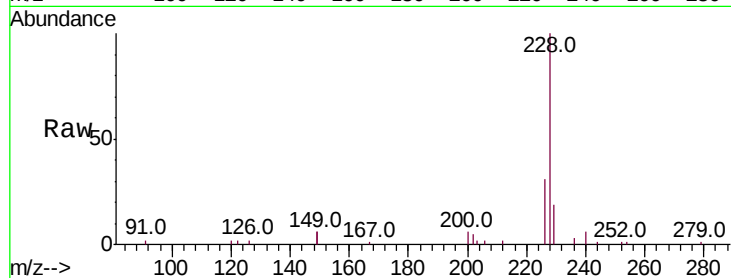
BNA_E

ClientSampleId :

PB116504BS

Tot Ion:228 Resp: 8365

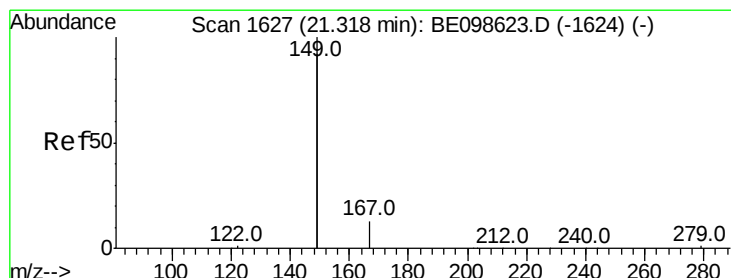
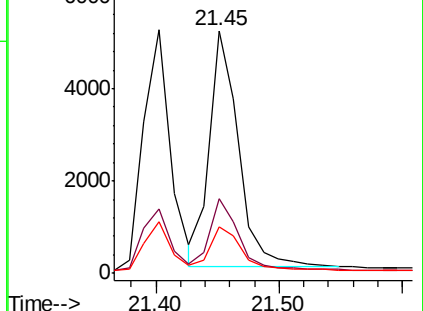
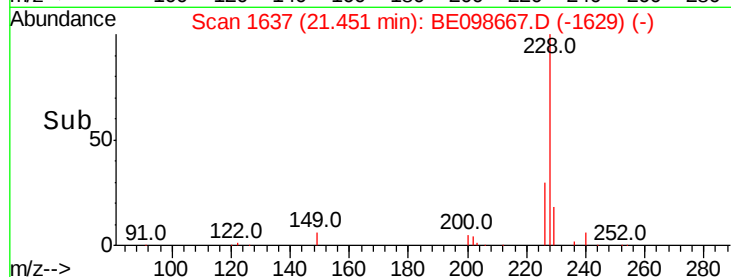
Ion	Ratio	Lower	Upper
228	100		
226	30.9	24.6	36.8
229	19.3	16.4	24.6



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: 0.315 ng

RT: 21.32 min Scan# 1626

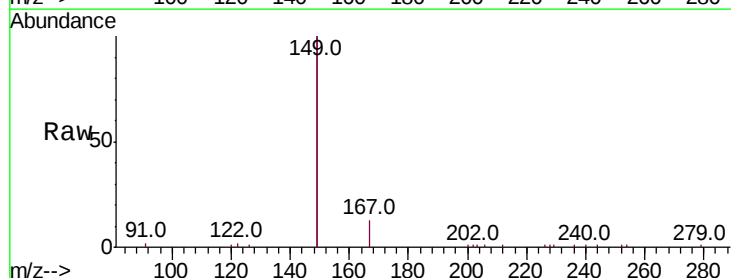
Delta R.T. 0.00 min

Lab File: BE098667.D

Acq: 18 Jan 2019 16:27

Tgt Ion:149 Resp: 16082

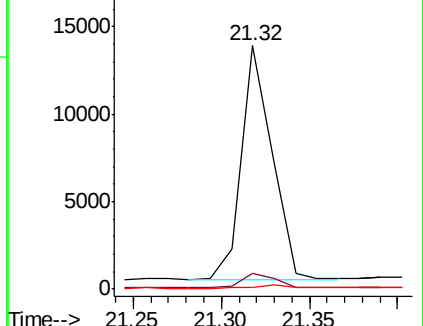
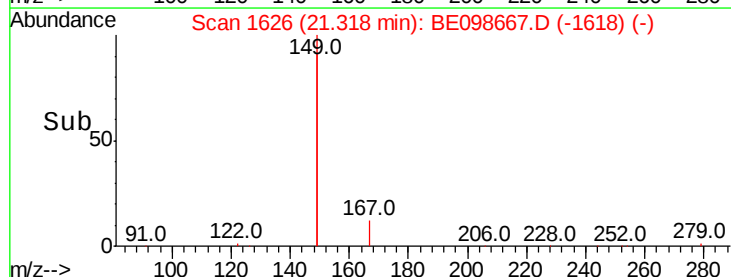
Ion	Ratio	Lower	Upper
149	100		
167	6.9	5.4	8.2
279	1.4	1.0	1.4

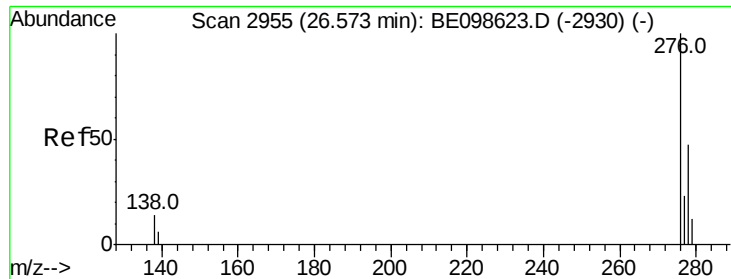


Abundance Ion 149.00 (148.70 to 149.70): E

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: 0.346 ng

RT: 26.58 min Scan# 2955

Delta R.T. 0.00 min

Lab File: BE098667.D

Acq: 18 Jan 2019 16:27

Instrument :

BNA_E

ClientSampleId :

PB116504BS

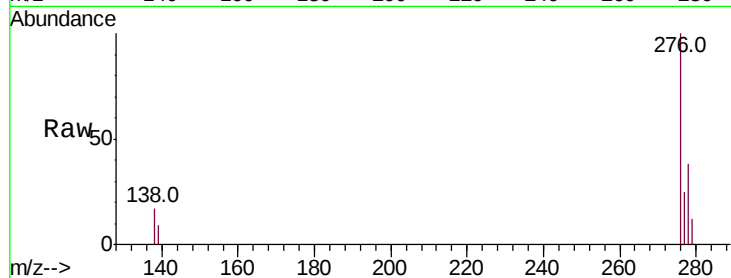
Tot Ion:276 Resp: 8893

Ion Ratio Lower Upper

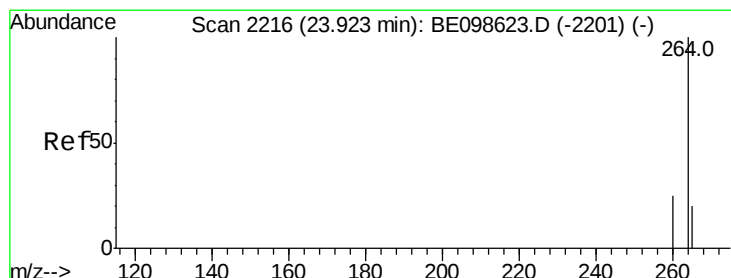
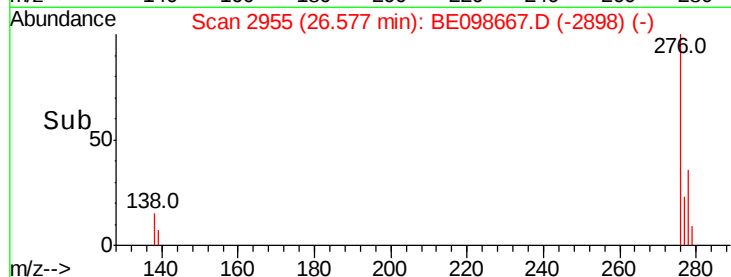
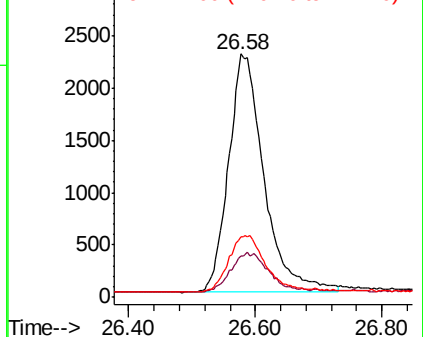
276 100

138 17.0 13.3 19.9

277 24.6 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: 23.93 min Scan# 2217

Delta R.T. 0.01 min

Lab File: BE098667.D

Acq: 18 Jan 2019 16:27

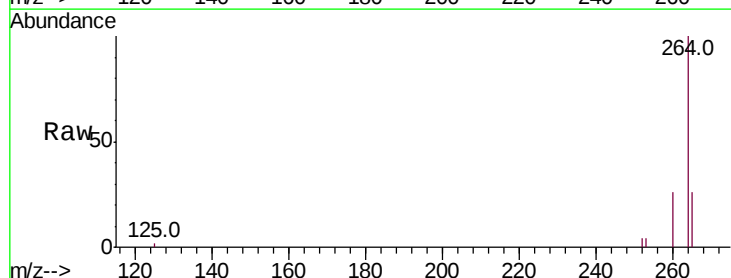
Tgt Ion:264 Resp: 8761

Ion Ratio Lower Upper

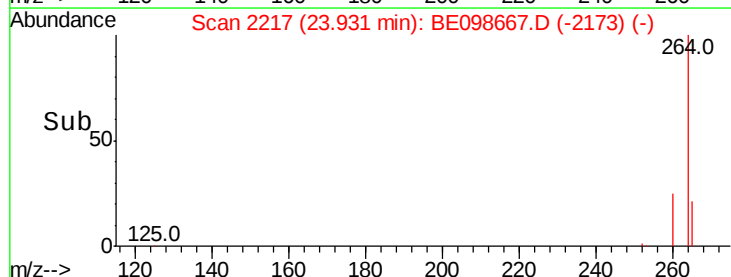
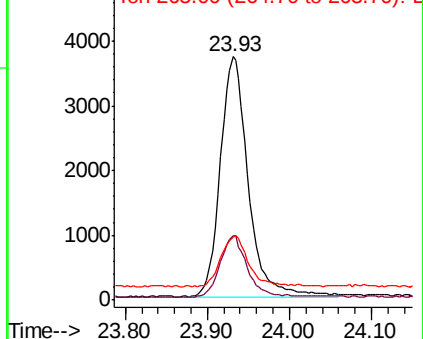
264 100

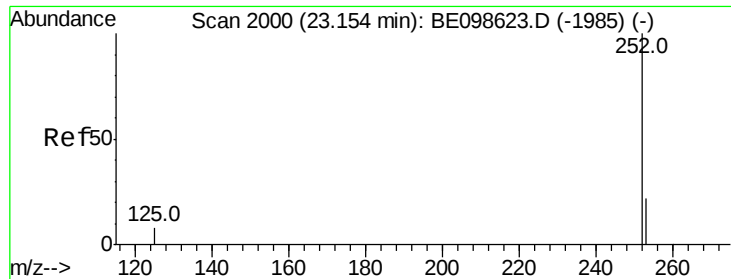
260 26.3 20.5 30.7

265 26.1 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: 0.356 ng

RT: 23.21 min Scan# 2015

Delta R.T. 0.06 min

Lab File: BE098667.D

Acq: 18 Jan 2019 16:27

Instrument :

BNA_E

ClientSampleId :

PB116504BS

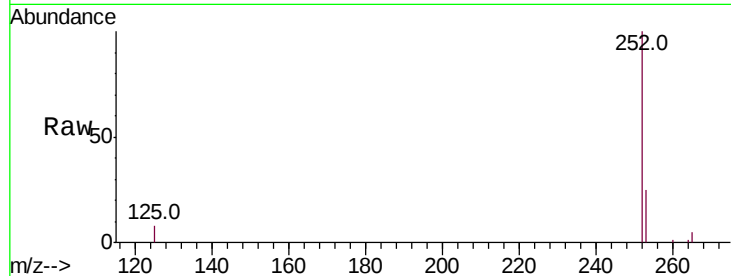
Tot Ion:252 Resp: 8515

Ion Ratio Lower Upper

252 100

253 25.1 19.4 29.0

125 8.3 8.2 12.4

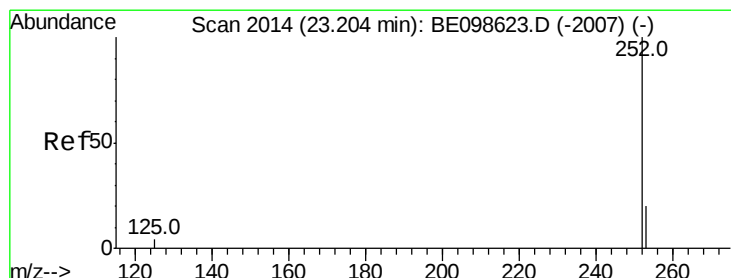
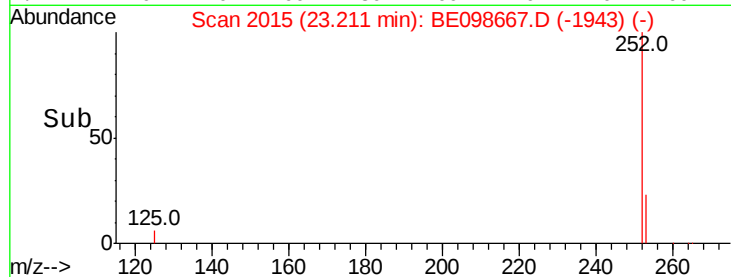
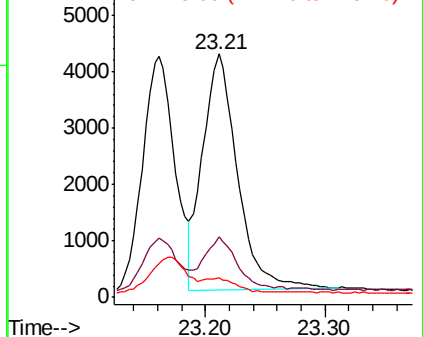


Abundance

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: 0.326 ng

RT: 23.21 min Scan# 2015

Delta R.T. 0.01 min

Lab File: BE098667.D

Acq: 18 Jan 2019 16:27

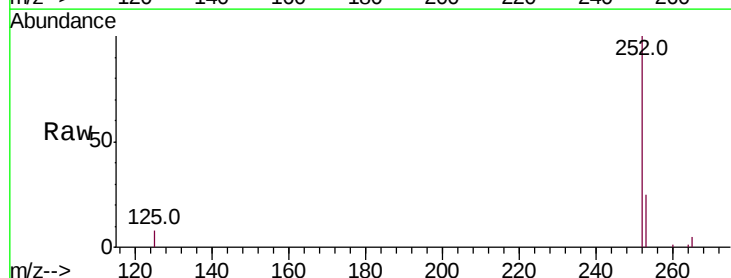
Tgt Ion:252 Resp: 8515

Ion Ratio Lower Upper

252 100

253 25.1 19.0 28.4

125 8.3 7.0 10.4

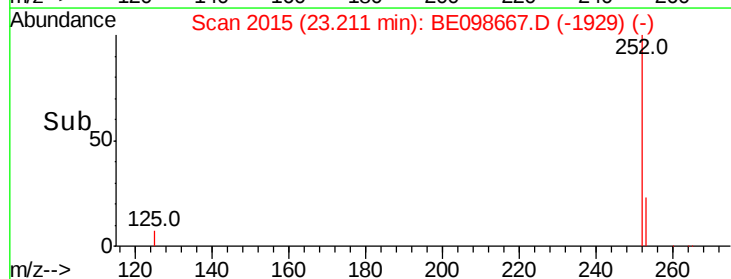
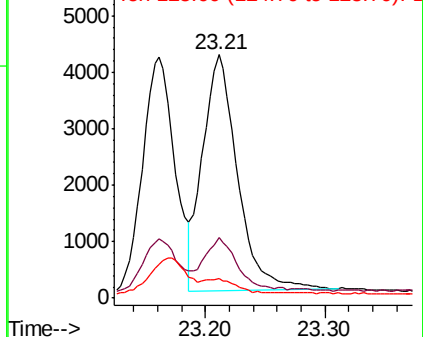


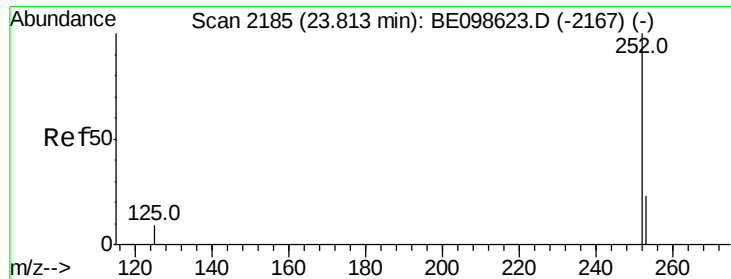
Abundance

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: 0.329 ng

RT: 23.82 min Scan# 2185

Delta R.T. 0.00 min

Lab File: BE098667.D

Acq: 18 Jan 2019 16:27

Instrument :

BNA_E

ClientSampleId :

PB116504BS

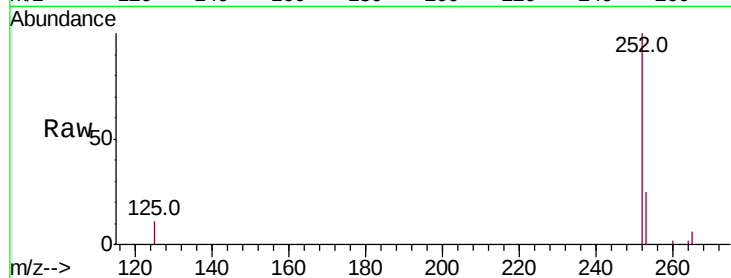
Tot Ion:252 Resp: 7724

Ion Ratio Lower Upper

252 100

253 25.2 21.0 31.4

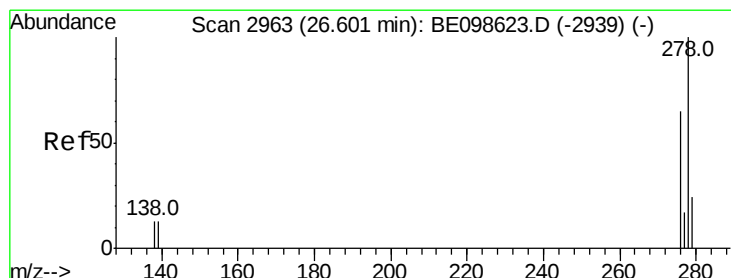
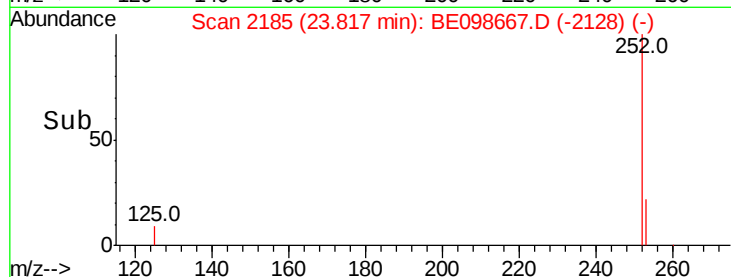
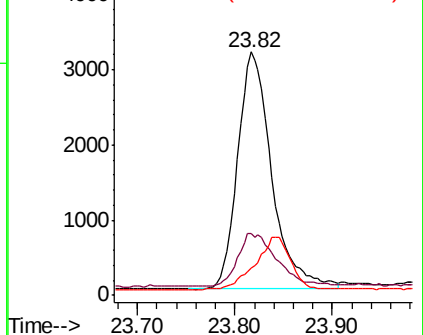
125 11.1 9.2 13.8



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: 0.352 ng

RT: 26.61 min Scan# 2963

Delta R.T. 0.00 min

Lab File: BE098667.D

Acq: 18 Jan 2019 16:27

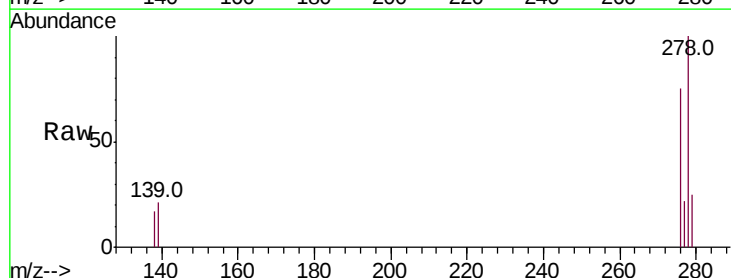
Tgt Ion:278 Resp: 7327

Ion Ratio Lower Upper

278 100

139 20.9 12.7 19.1#

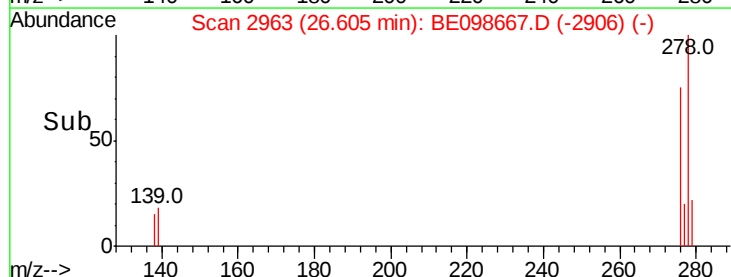
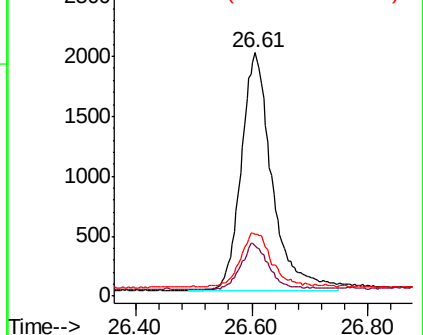
279 25.1 22.0 33.0

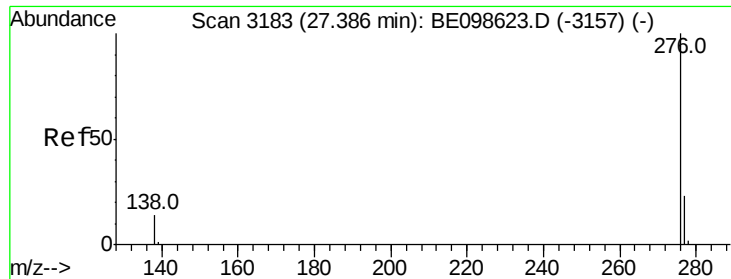


Abundance Ion 278.00 (277.70 to 278.70): E

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: 0.331 ng

RT: 27.39 min Scan# 3183

Delta R.T. 0.00 min

Lab File: BE098667.D

Acq: 18 Jan 2019 16:27

Instrument :

BNA_E

ClientSampleId :

PB116504BS

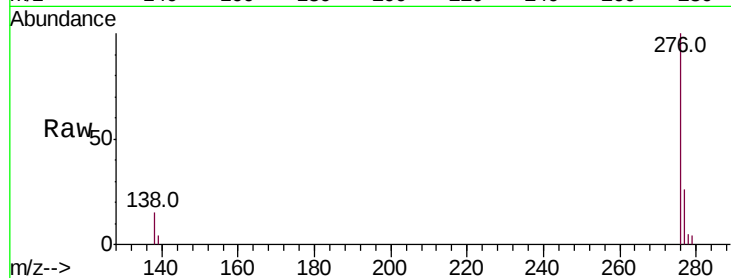
Tot Ion:276 Resp: 7545

Ion Ratio Lower Upper

276 100

277 26.3 20.3 30.5

138 14.9 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

