

Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE010419\
 Data File : BE098615.D
 Acq On : 4 Jan 2019 14:58
 Operator : SJ/JU
 Sample : PB116164BS
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :

Quant Time: Jan 04 21:12:39 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA E\METHODS\8270-SIM-BE121018.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Jan 02 10:30:27 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.83	152	1191	0.40	ng	0.02
7) Naphthalene-d8	10.63	136	4880	0.40	ng	0.02
13) Acenaphthene-d10	14.48	164	2550	0.40	ng	0.02
19) Phenanthrene-d10	17.23	188	5562	0.40	ng	0.01
27) Chrysene-d12	21.41	240	6535	0.40	ng	0.01
34) Perylene-d12	23.94	264	7246	0.40	ng	-0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Fluorophenol	5.42	112	1018	0.37	ng	0.04
5) Phenol-d6	7.01	99	1419	0.36	ng	0.02
8) Nitrobenzene-d5	8.99	82	1305	0.29	ng	0.03
11) 2-Methylnaphthalene-d10	12.22	152	2438	0.31	ng	0.02
14) 2,4,6-Tribromophenol	15.99	330	272	0.29	ng	0.02
15) 2-Fluorobiphenyl	13.12	172	3077	0.29	ng	0.03
25) Fluoranthene-d10	19.27	212	19933	0.28	ng	0.02
29) Terphenyl-d14	19.87	244	4244	0.27	ng	0.02

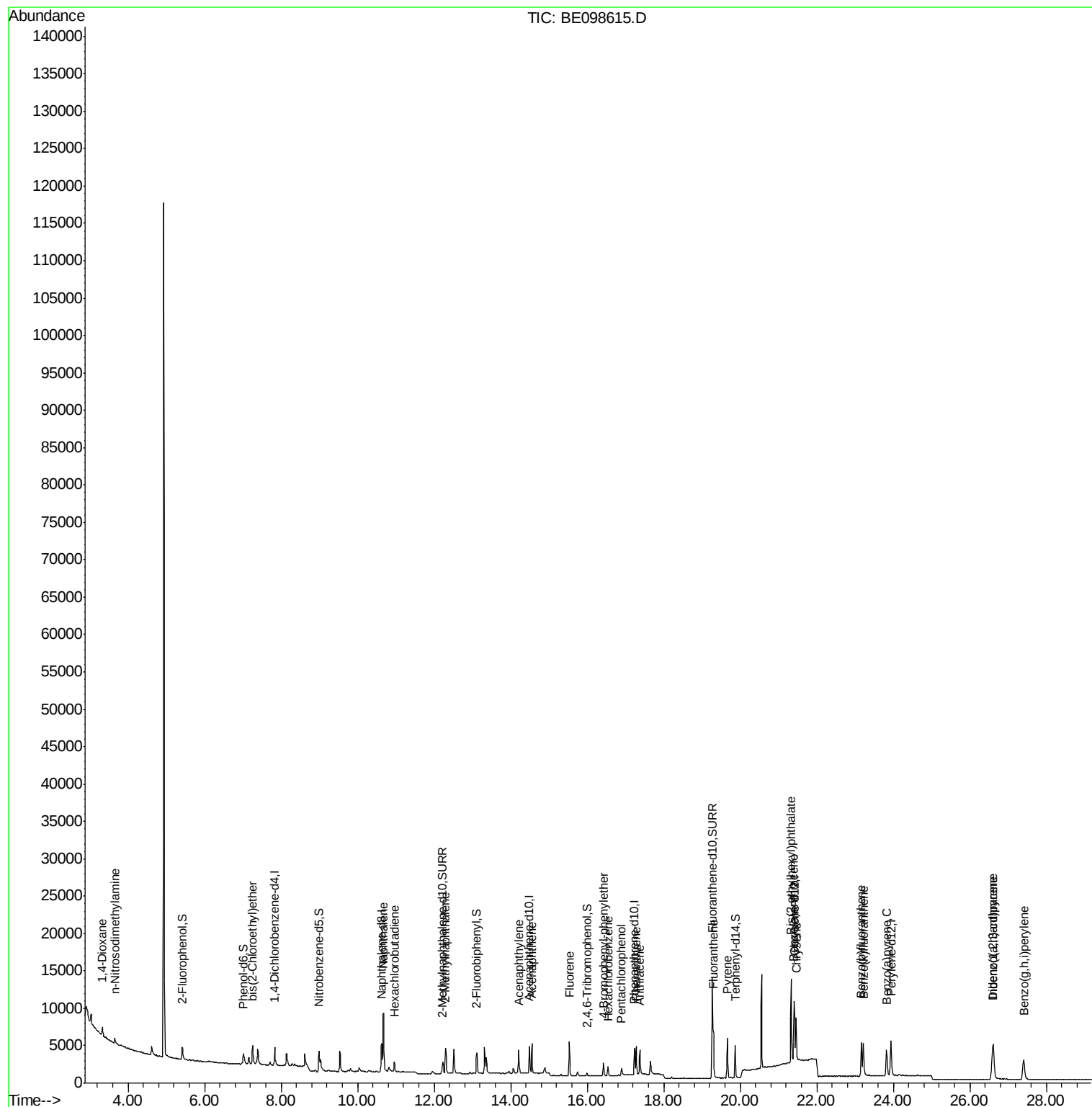
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) 1,4-Dioxane	3.32	88	548	0.266	ng	# 28
3) n-Nitrosodimethylamine	3.65	42	783	0.422	ng	# 100
6) bis(2-Chloroethyl)ether	7.25	93	1091	0.291	ng	95
9) Naphthalene	10.68	128	15605	0.318	ng	99
10) Hexachlorobutadiene	10.95	225	968	0.310	ng	97
12) 2-Methylnaphthalene	12.30	142	2533	0.317	ng	95
16) Acenaphthylene	14.21	152	3595	0.301	ng	98
17) Acenaphthene	14.56	154	2194	0.306	ng	98
18) Fluorene	15.53	166	2871	0.299	ng	99
20) 4-Bromophenyl-phenylether	16.43	248	894	0.299	ng	88
21) Hexachlorobenzene	16.55	284	994	0.309	ng	96
22) Pentachlorophenol	16.90	266	691	1.086	ng	96
23) Phenanthrene	17.28	178	4329	0.320	ng	99
24) Anthracene	17.37	178	3824	0.317	ng	98
26) Fluoranthene	19.30	202	5215	0.292	ng	98
28) Pyrene	19.66	202	5377	0.262	ng	99
30) Benzo(a)anthracene	21.40	228	5912	0.318	ng	98
31) Chrysene	21.46	228	5993	0.307	ng	98
32) Bis(2-ethylhexyl)phthalate	21.33	149	12461	0.330	ng	100
33) Indeno(1,2,3-cd)pyrene	26.60	276	7853	0.405	ng	97
35) Benzo(b)fluoranthene	23.16	252	6409	0.323	ng	97
36) Benzo(k)fluoranthene	23.22	252	6798	0.294	ng	96
37) Benzo(a)pyrene	23.82	252	6435	0.315	ng	96
38) Dibenzo(a,h)anthracene	26.61	278	6554	0.340	ng	99
39) Benzo(g,h,i)perylene	27.41	276	6904	0.356	ng	98

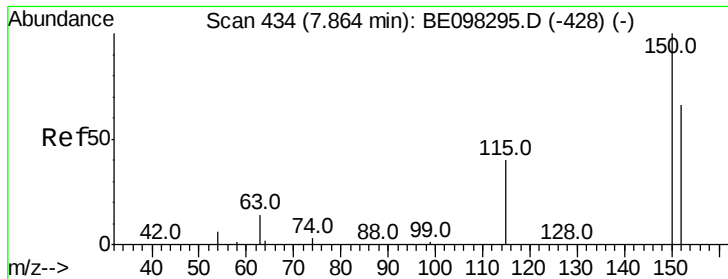
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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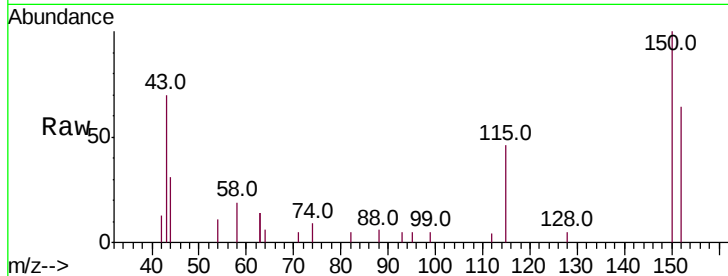


#1

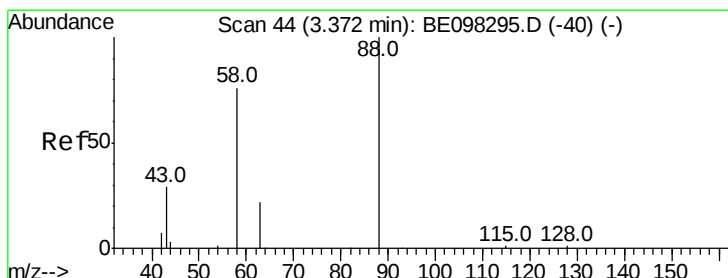
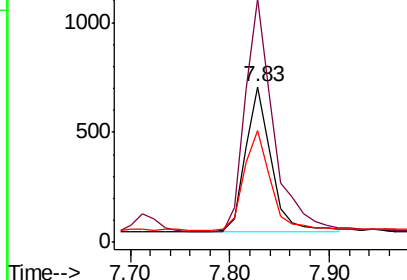
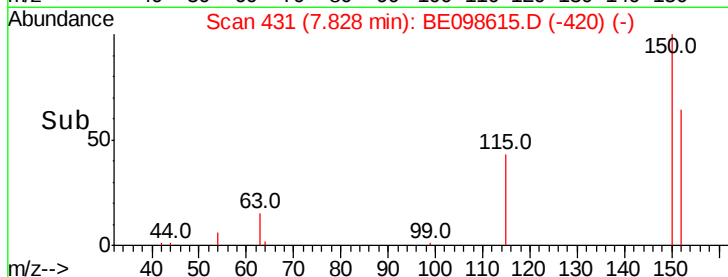
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.83 min Scan# 431
Delta R.T. 0.02 min
Lab File: BE098615.D
Acq: 4 Jan 2019 14:58

Instrument :
BNA_E
ClientSampled :

Tot Ion:152 Resp: 1191
Ion Ratio Lower Upper
152 100
150 156.4 124.2 186.4
115 71.5 53.9 80.9



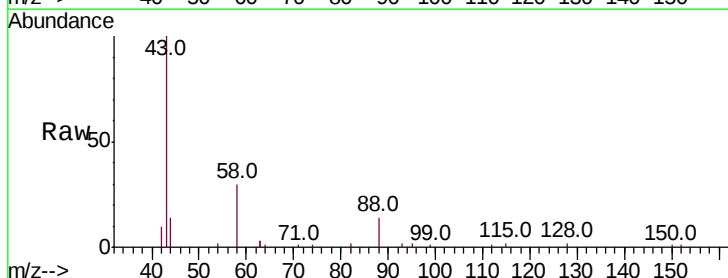
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



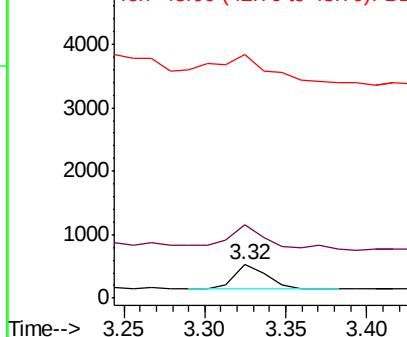
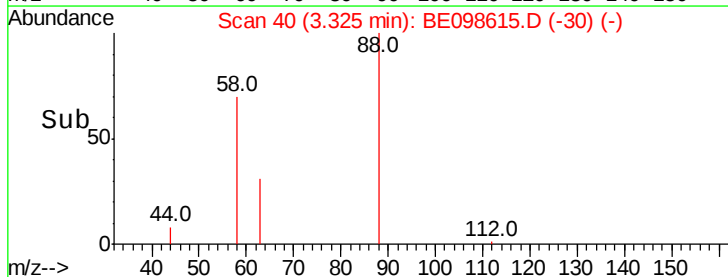
#2

1,4-Dioxane
Concen: 0.266 ng
RT: 3.32 min Scan# 40
Delta R.T. 0.01 min
Lab File: BE098615.D
Acq: 4 Jan 2019 14:58

Tgt Ion: 88 Resp: 548
Ion Ratio Lower Upper
88 100
58 102.0 75.0 112.6
43 179.9 38.3 57.5#



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. 0.01 min

Lab File: BE098615.D

Acq: 4 Jan 2019 14:58

Instrument :

BNA_E

ClientSampled :

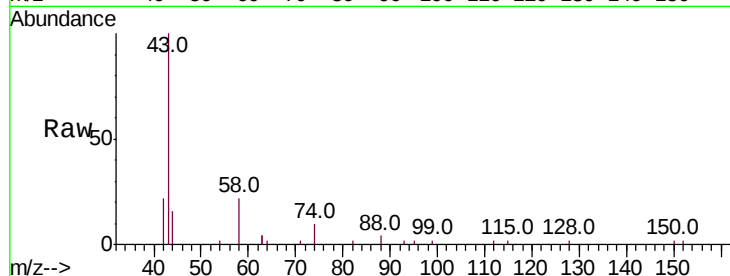
Tot Ion: 42 Resp: 783

Ion Ratio Lower Upper

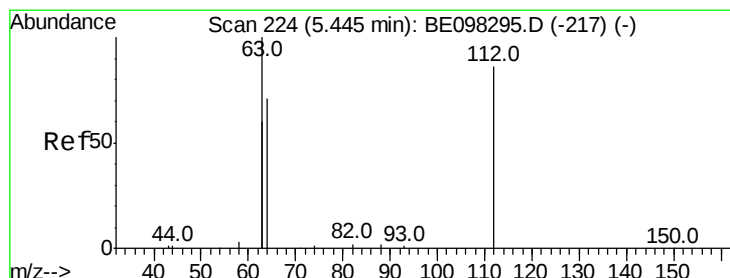
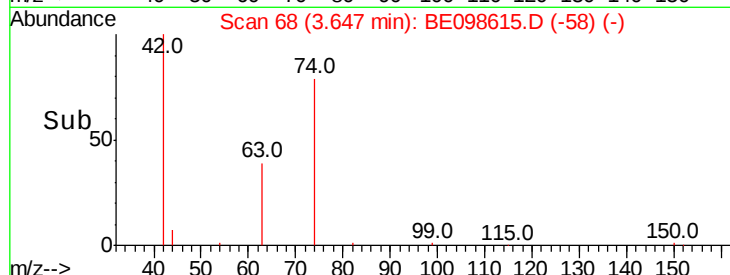
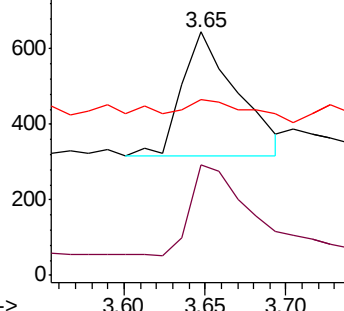
42 100

74 75.9 0.0 0.0#

44 21.3 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: 0.365 ng

RT: 5.42 min Scan# 222

Delta R.T. 0.04 min

Lab File: BE098615.D

Acq: 4 Jan 2019 14:58

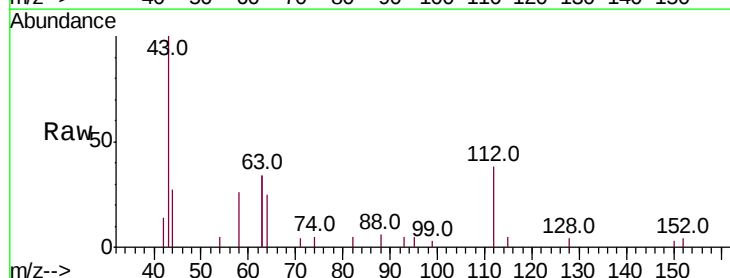
Tgt Ion: 112 Resp: 1018

Ion Ratio Lower Upper

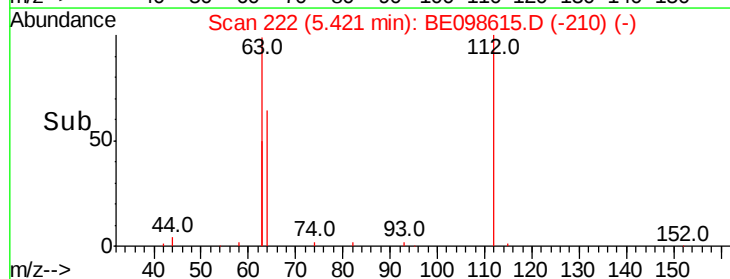
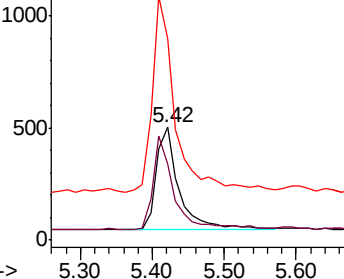
112 100

64 83.0 59.8 89.8

63 187.9 133.7 200.5



Abundance Ion 112.00 (111.70 to 112.70): E
Ion 64.00 (63.70 to 64.70): BE0
Ion 63.00 (62.70 to 63.70): BE0





#5

Phenol-d6

Concen: 0.359 ng

RT: 7.01 min Scan# 360

Delta R.T. 0.02 min

Lab File: BE098615.D

Acq: 4 Jan 2019 14:58

Instrument :

BNA_E

ClientSampleId :

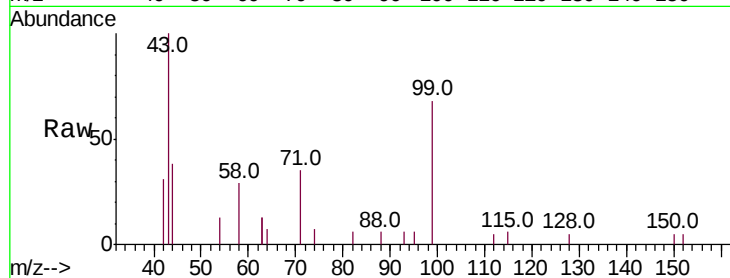
Tot Ion: 99 Resp: 1419

Ion Ratio Lower Upper

99 100

42 32.8 26.3 39.5

71 47.9 33.6 50.4



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

7.01

600

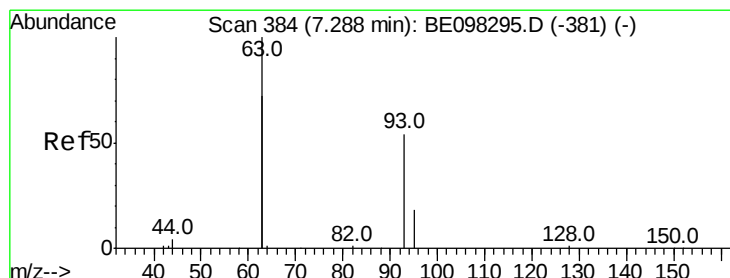
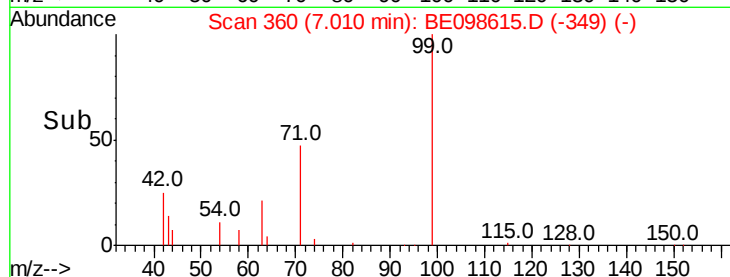
400

200

0

6.90 7.00 7.10 7.20

Time-->



#6

bis(2-Chloroethyl)ether

Concen: 0.291 ng

RT: 7.25 min Scan# 381

Delta R.T. 0.02 min

Lab File: BE098615.D

Acq: 4 Jan 2019 14:58

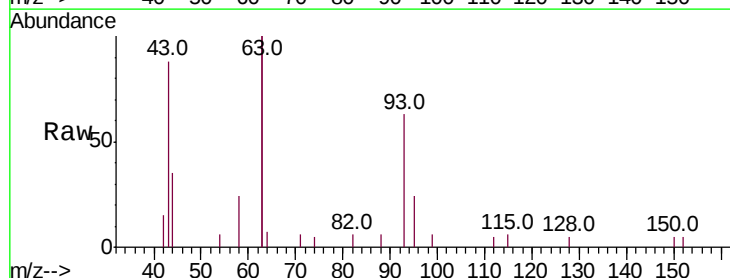
Tgt Ion: 93 Resp: 1091

Ion Ratio Lower Upper

93 100

63 341.7 264.4 396.6

95 36.6 26.6 40.0



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

2500

2000

1500

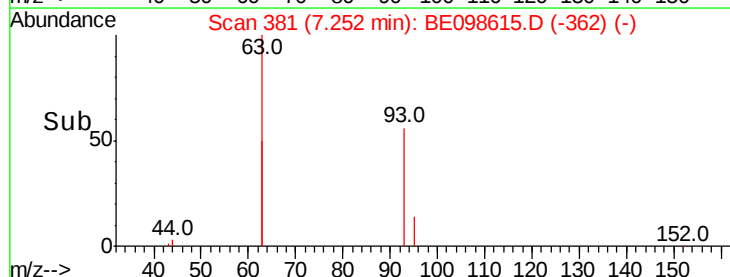
1000

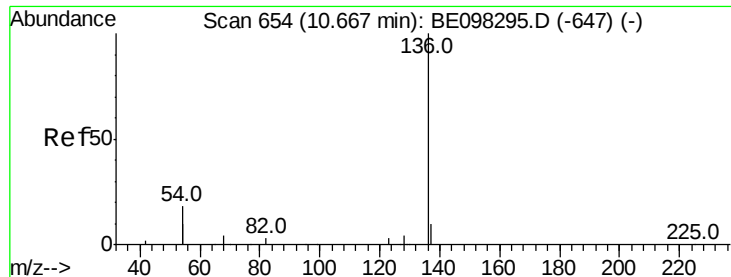
500

0

7.20 7.30 7.40

Time-->





#7

Naphthalene-d8

Concen: 0.400 ng

RT: 10.63 min Scan# 651

Delta R.T. 0.02 min

Lab File: BE098615.D

Acq: 4 Jan 2019 14:58

Instrument :

BNA_E

ClientSampleId :

Tot Ion:136 Resp: 4880

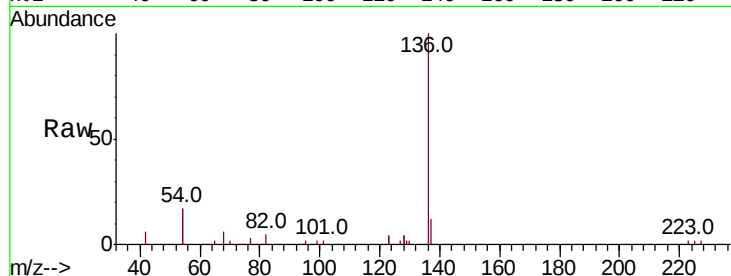
Ion Ratio Lower Upper

136 100

137 11.7 9.2 13.8

54 33.1 28.4 42.6

68 5.7 5.4 8.0

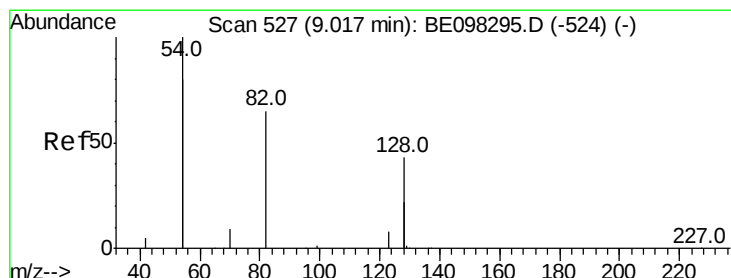
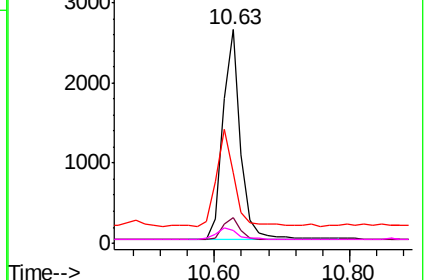
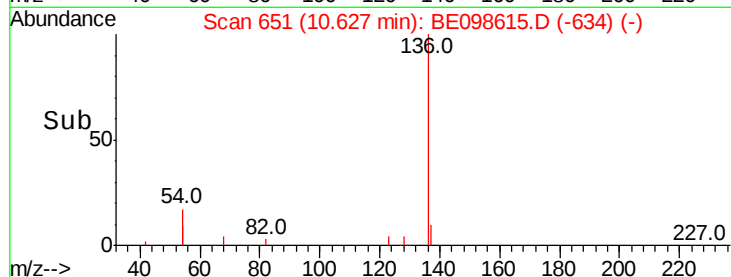


Abundance Ion 136.00 (135.70 to 136.70): E

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: 0.294 ng

RT: 8.99 min Scan# 525

Delta R.T. 0.03 min

Lab File: BE098615.D

Acq: 4 Jan 2019 14:58

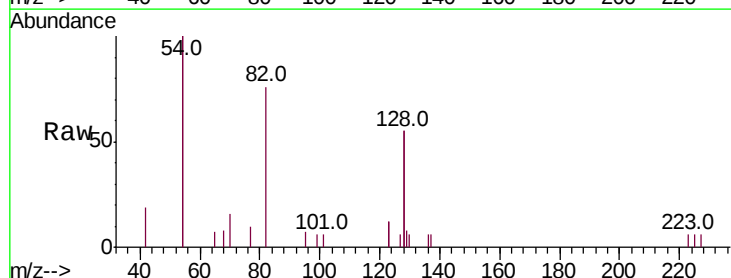
Tgt Ion: 82 Resp: 1305

Ion Ratio Lower Upper

82 100

128 146.6 102.4 153.6

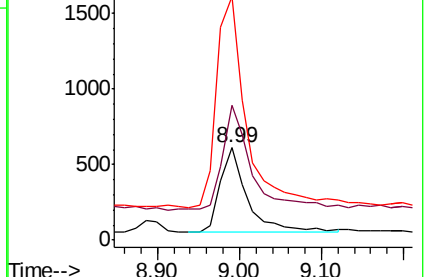
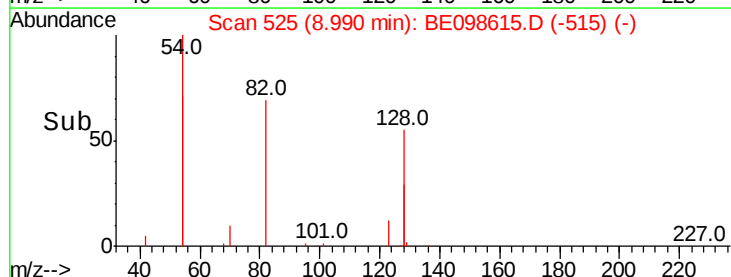
54 264.3 221.8 332.8

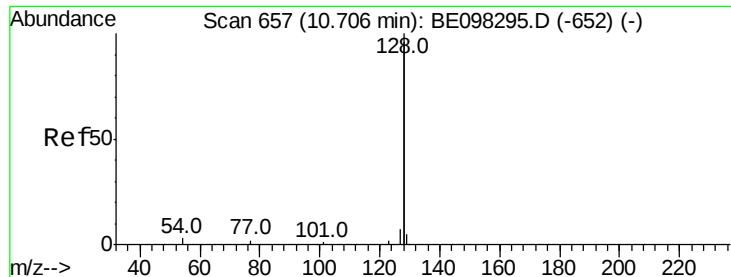


Abundance Ion 82.00 (81.70 to 82.70): BE0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BE0





#9

Naphthalene

Concen: 0.318 ng

RT: 10.68 min Scan# 655

Delta R.T. 0.03 min

Lab File: BE098615.D

Acq: 4 Jan 2019 14:58

Instrument :

BNA_E

ClientSampleId :

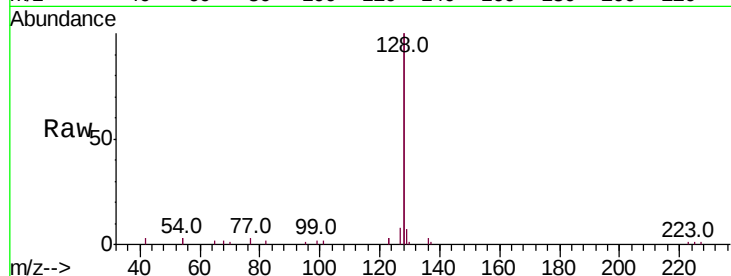
Tot Ion:128 Resp: 15605

Ion Ratio Lower Upper

128 100

129 3.4 2.5 3.7

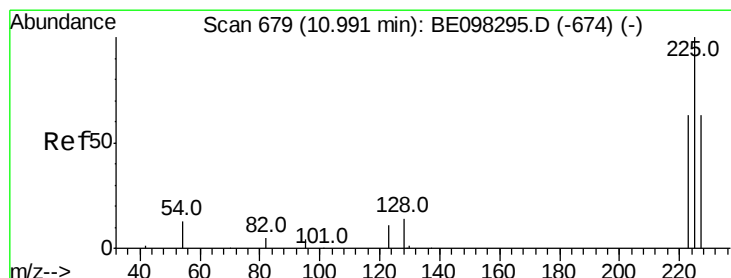
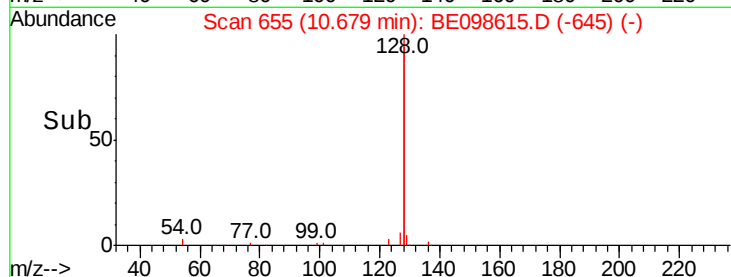
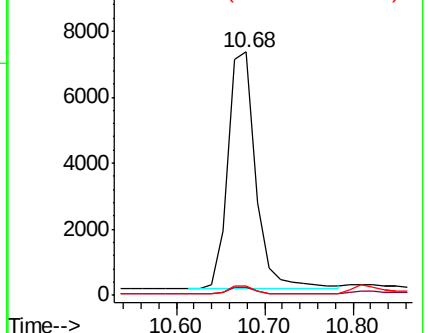
127 3.8 2.7 4.1



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: 0.310 ng

RT: 10.95 min Scan# 676

Delta R.T. 0.02 min

Lab File: BE098615.D

Acq: 4 Jan 2019 14:58

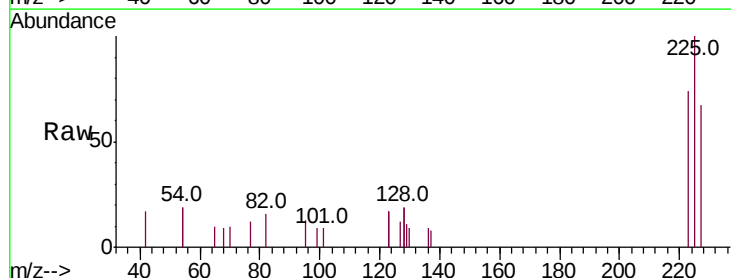
Tgt Ion:225 Resp: 968

Ion Ratio Lower Upper

225 100

223 65.6 49.4 74.0

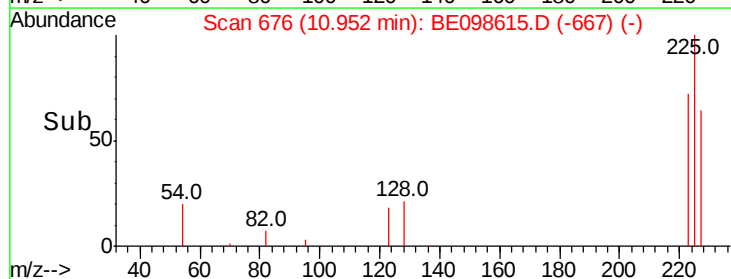
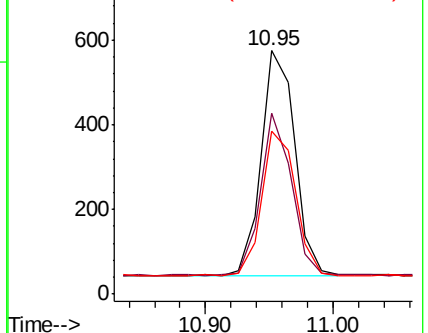
227 63.7 52.0 78.0

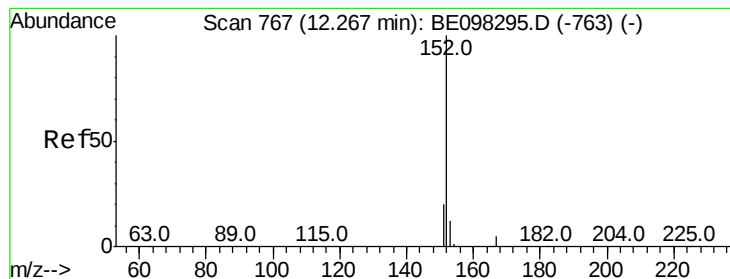


Abundance Ion 225.00 (224.70 to 225.70): E

Ion 223.00 (222.70 to 223.70): E

Ion 227.00 (226.70 to 227.70): E





#11

2-Methylnaphthalene-d10

Concen: 0.307 ng

RT: 12.22 min Scan# 764

Delta R.T. 0.02 min

Lab File: BE098615.D

Acq: 4 Jan 2019 14:58

Instrument :

BNA_E

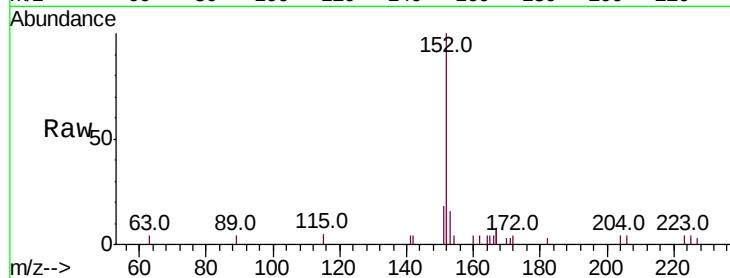
ClientSampled :

Tot Ion:152 Resp: 2438

Ion Ratio Lower Upper

152 100

151 17.4 16.2 24.4



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

12.22

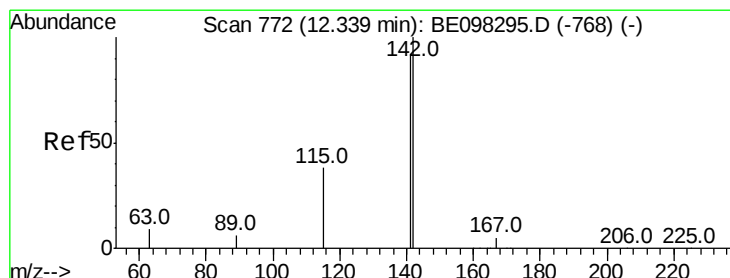
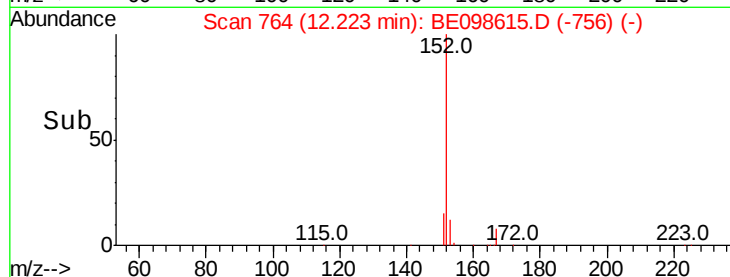
1000

500

0

Time-->

12.20 12.40



#12

2-Methylnaphthalene

Concen: 0.317 ng

RT: 12.30 min Scan# 769

Delta R.T. 0.02 min

Lab File: BE098615.D

Acq: 4 Jan 2019 14:58

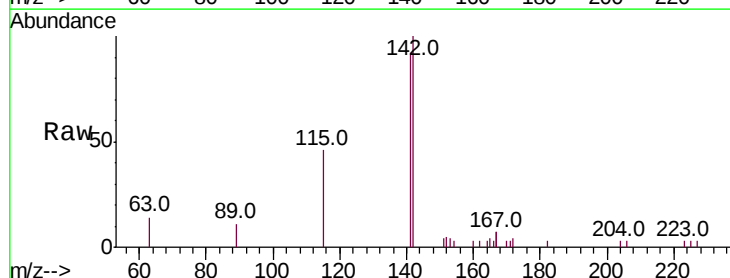
Tgt Ion:142 Resp: 2533

Ion Ratio Lower Upper

142 100

141 91.9 71.0 106.6

115 46.0 32.2 48.2



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 115.00 (114.70 to 115.70): E

12.30

1500

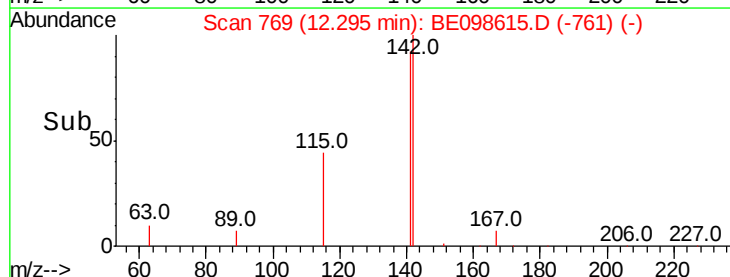
1000

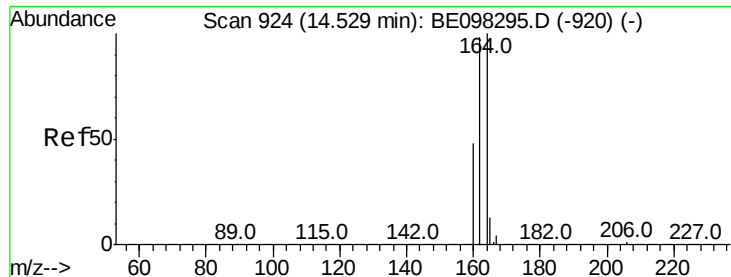
500

0

Time-->

12.20 12.30 12.40





#13

Acenaphthene-d10

Concen: 0.400 ng

RT: 14.48 min Scan# 921

Delta R.T. 0.02 min

Lab File: BE098615.D

Acq: 4 Jan 2019 14:58

Instrument :
BNA_E
ClientSampleId :

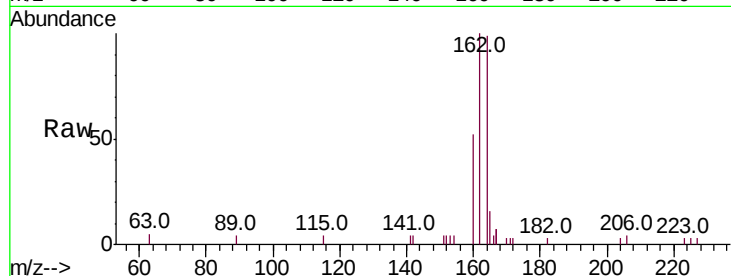
Tot Ion:164 Resp: 2550

Ion Ratio Lower Upper

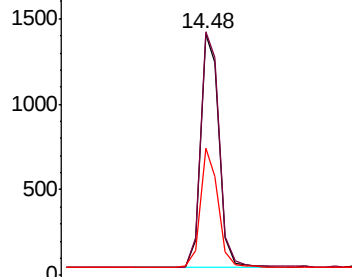
164 100

162 100.9 77.6 116.4

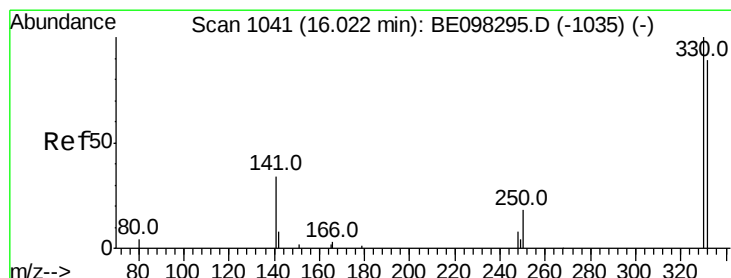
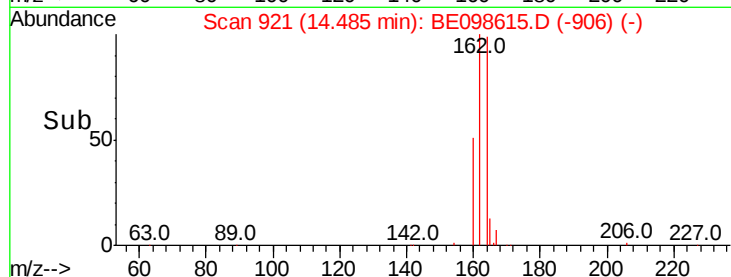
160 52.7 36.0 54.0



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



Time-->



#14

2,4,6-Tribromophenol

Concen: 0.291 ng

RT: 15.99 min Scan# 1038

Delta R.T. 0.02 min

Lab File: BE098615.D

Acq: 4 Jan 2019 14:58

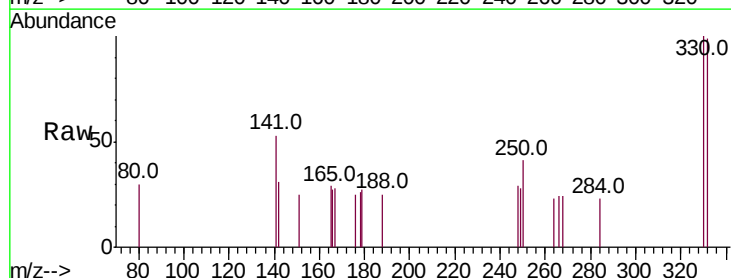
Tgt Ion:330 Resp: 272

Ion Ratio Lower Upper

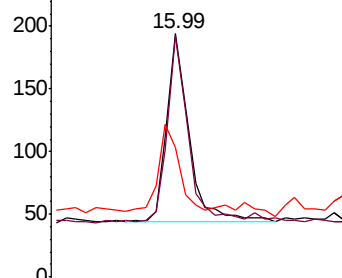
330 100

332 91.2 76.2 114.4

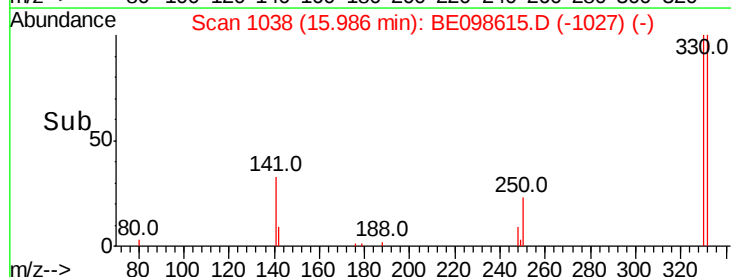
141 43.0 39.0 58.4

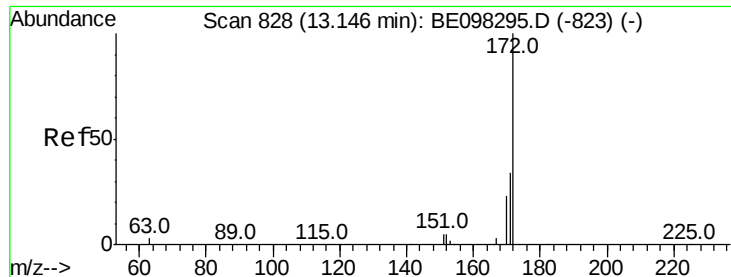


Abundance Ion 330.00 (329.70 to 330.70): E
Ion 331.80 (331.50 to 332.50): E
Ion 141.00 (140.70 to 141.70): E



Time-->

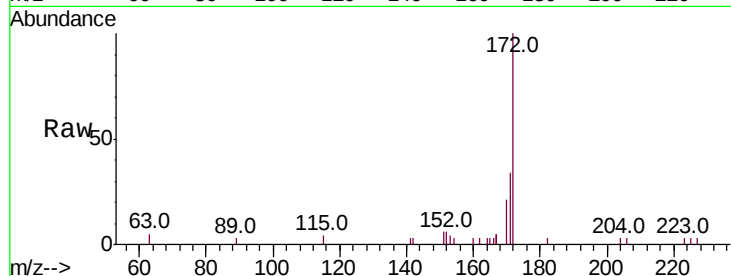




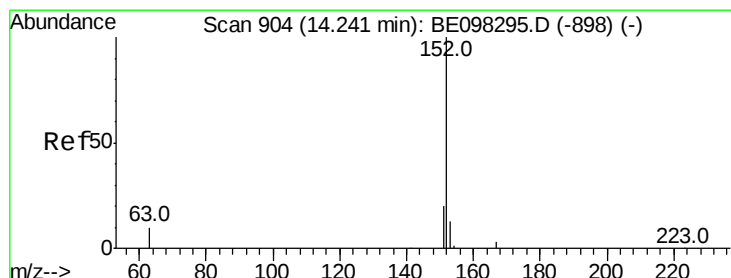
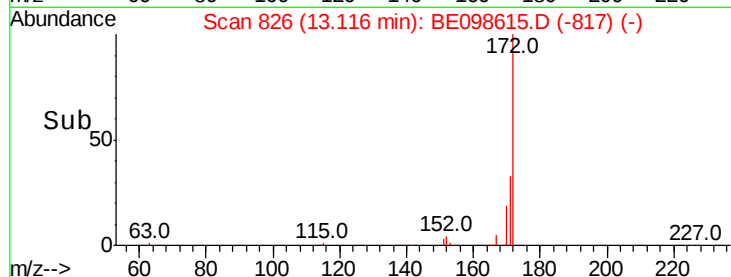
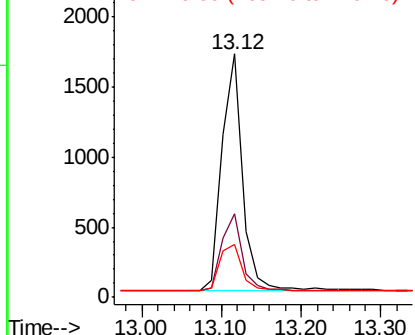
#15
2-Fluorobiphenyl
Concen: 0.286 ng
RT: 13.12 min Scan# 826
Delta R.T. 0.03 min
Lab File: BE098615.D
Acq: 4 Jan 2019 14:58

Instrument :
BNA_E
ClientSampleId :

Tot Ion:172 Resp: 3077
Ion Ratio Lower Upper
172 100
171 34.4 27.5 41.3
170 21.5 19.6 29.4

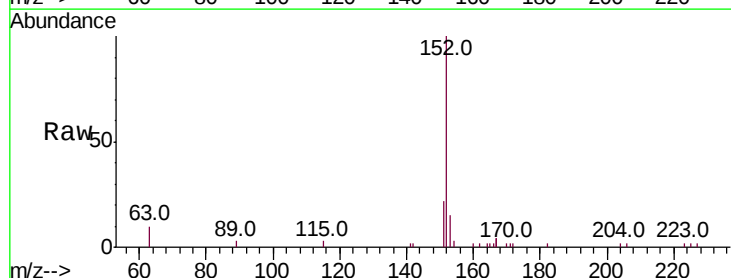


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

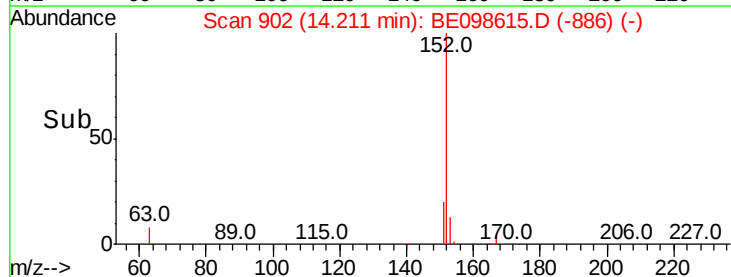
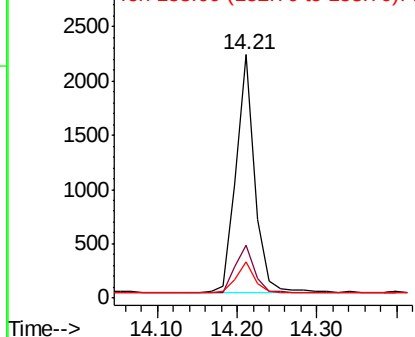


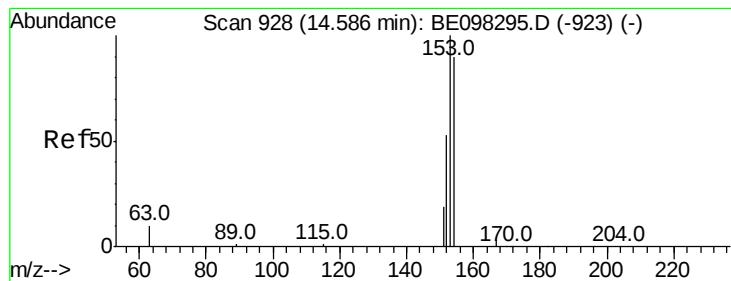
#16
Acenaphthylene
Concen: 0.301 ng
RT: 14.21 min Scan# 902
Delta R.T. 0.03 min
Lab File: BE098615.D
Acq: 4 Jan 2019 14:58

Tgt Ion:152 Resp: 3595
Ion Ratio Lower Upper
152 100
151 20.7 15.5 23.3
153 13.4 10.6 16.0



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: 0.306 ng

RT: 14.56 min Scan# 926

Delta R.T. 0.03 min

Lab File: BE098615.D

Acq: 4 Jan 2019 14:58

Instrument :

BNA_E

ClientSampleId :

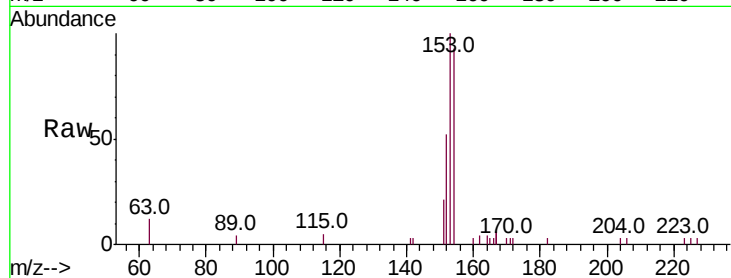
Tot Ion:154 Resp: 2194

Ion Ratio Lower Upper

154 100

153 110.9 91.8 137.6

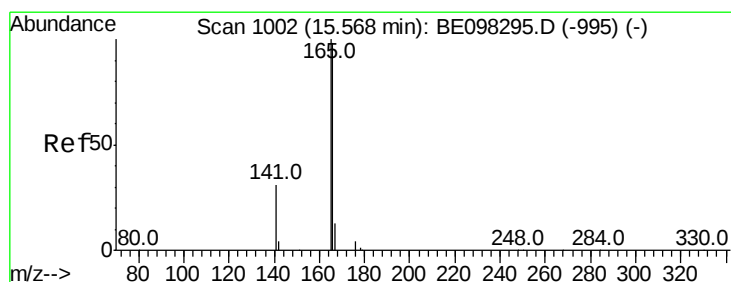
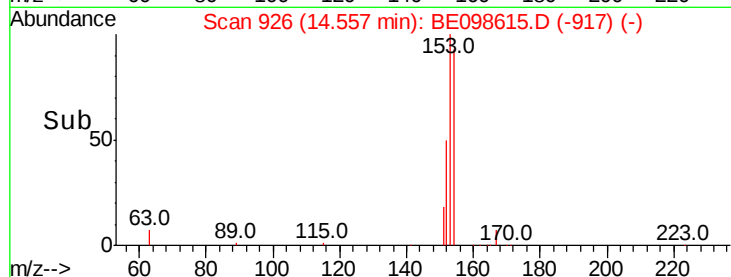
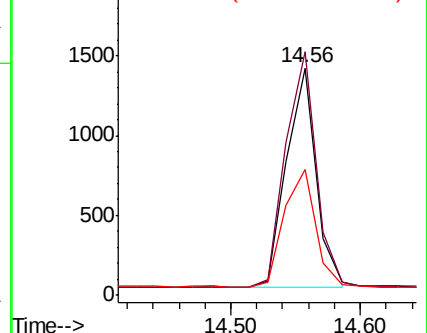
152 57.2 45.5 68.3



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: 0.299 ng

RT: 15.53 min Scan# 999

Delta R.T. 0.02 min

Lab File: BE098615.D

Acq: 4 Jan 2019 14:58

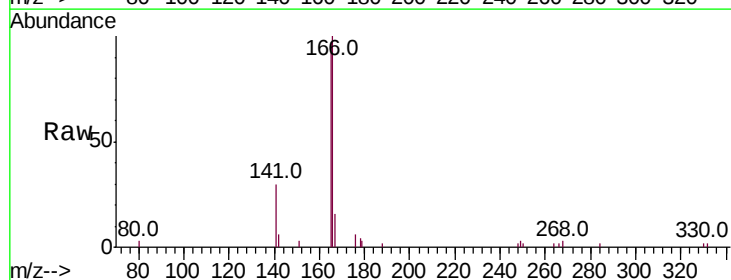
Tgt Ion:166 Resp: 2871

Ion Ratio Lower Upper

166 100

165 98.4 79.3 118.9

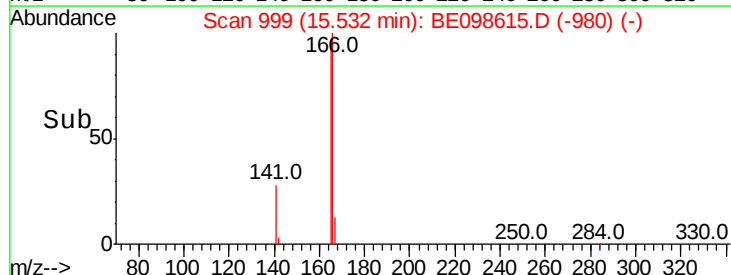
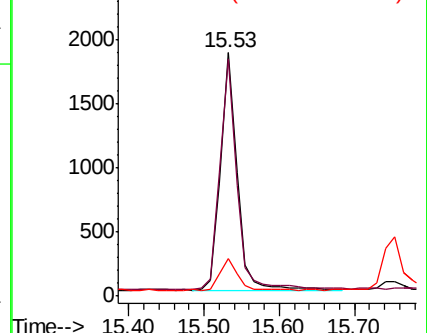
167 14.1 11.3 16.9

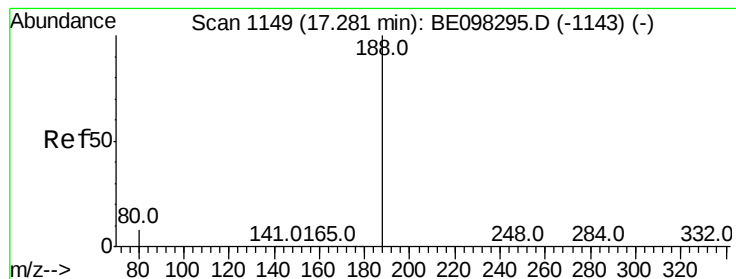


Abundance Ion 166.00 (165.70 to 166.70): E

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# 1145

Delta R.T. 0.01 min

Lab File: BE098615.D

Acq: 4 Jan 2019 14:58

Instrument :

BNA_E

ClientSampleId :

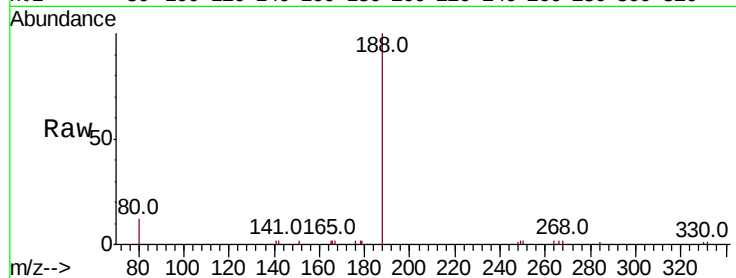
Tot Ion:188 Resp: 5562

Ion Ratio Lower Upper

188 100

94 0.0 0.0 0.0

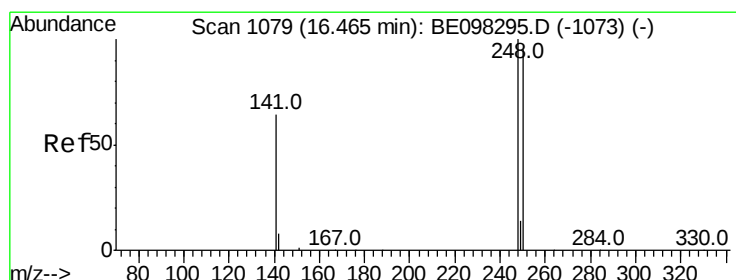
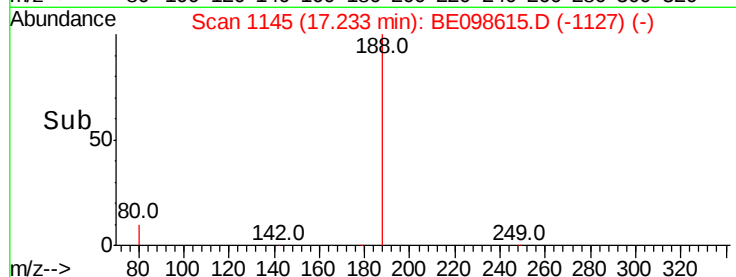
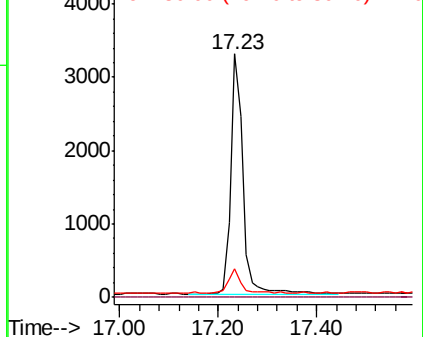
80 11.7 7.2 10.8#



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: 0.299 ng

RT: 16.43 min Scan# 1076

Delta R.T. 0.02 min

Lab File: BE098615.D

Acq: 4 Jan 2019 14:58

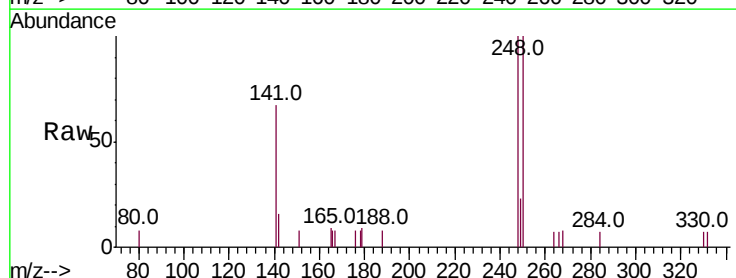
Tgt Ion:248 Resp: 894

Ion Ratio Lower Upper

248 100

250 100.3 71.0 106.6

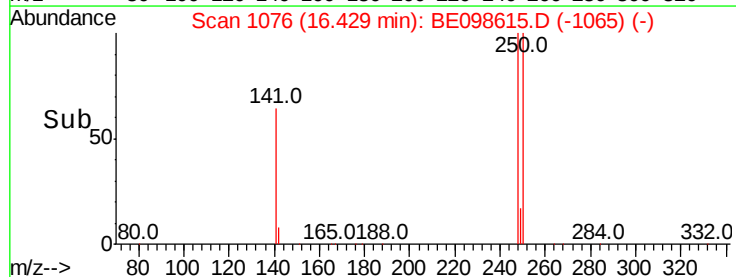
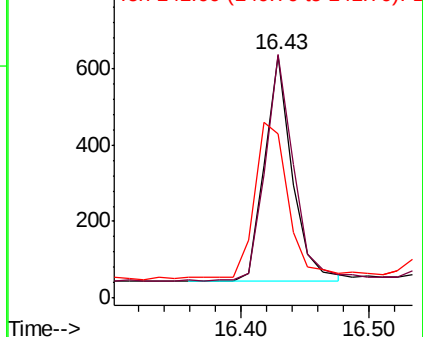
141 67.7 62.1 93.1



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: 0.309 ng

RT: 16.55 min Scan# 1086

Delta R.T. 0.02 min

Lab File: BE098615.D

Acq: 4 Jan 2019 14:58

Instrument :

BNA_E

ClientSampleId :

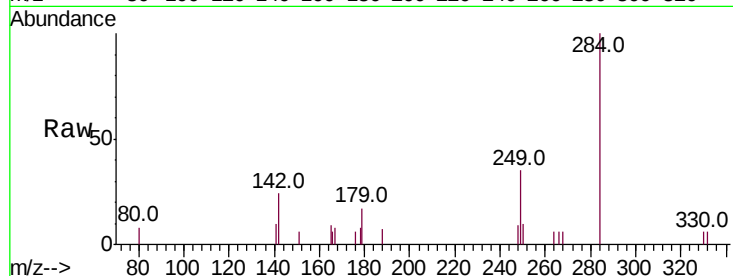
Tot Ion:284 Resp: 994

Ion Ratio Lower Upper

284 100

142 34.9 26.3 39.5

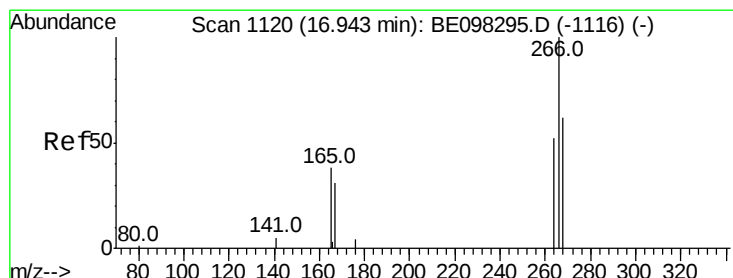
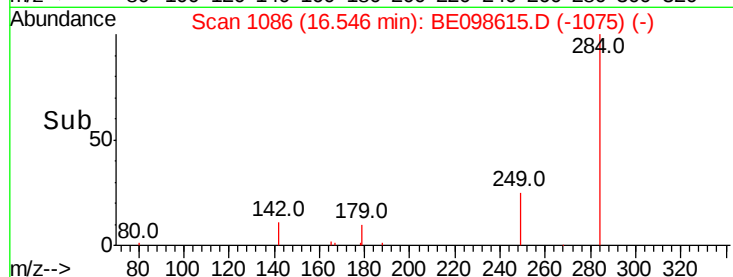
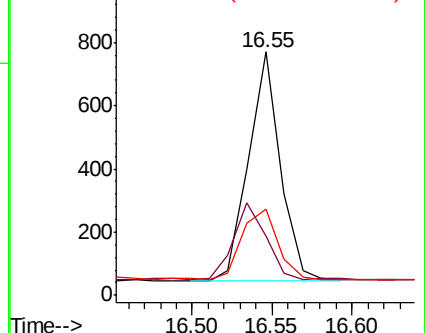
249 35.5 26.0 39.0



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: 1.086 ng

RT: 16.90 min Scan# 1116

Delta R.T. 0.01 min

Lab File: BE098615.D

Acq: 4 Jan 2019 14:58

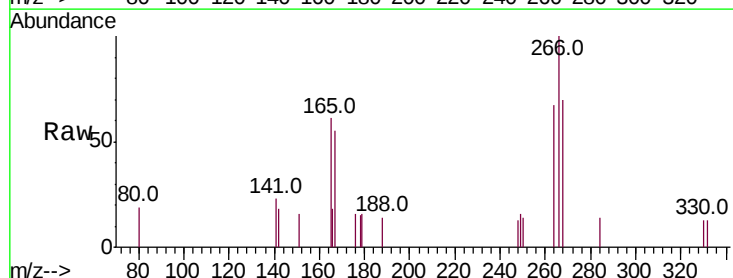
Tgt Ion:266 Resp: 691

Ion Ratio Lower Upper

266 100

264 67.2 59.0 88.4

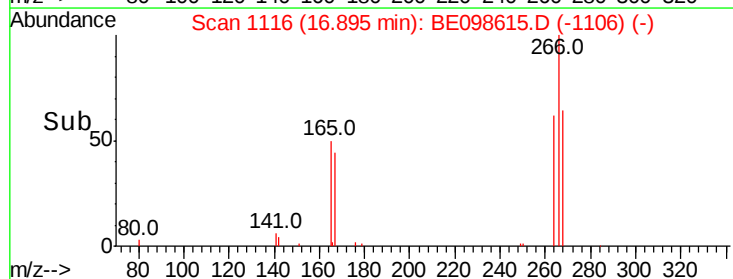
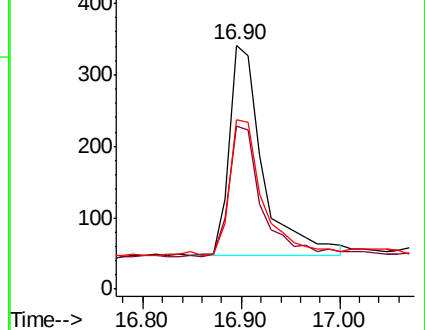
268 69.5 55.1 82.7

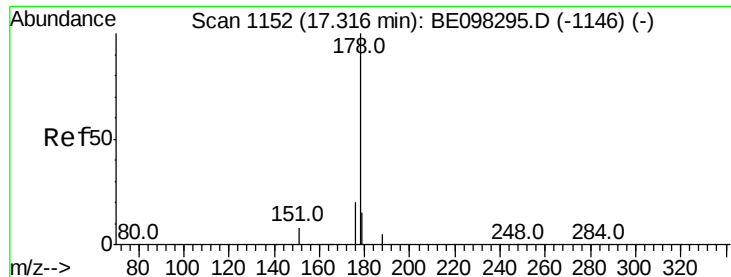


Abundance Ion 266.00 (265.70 to 266.70): E

Ion 264.00 (263.70 to 264.70): E

Ion 268.00 (267.70 to 268.70): E





#23

Phenanthrene

Concen: 0.320 ng

RT: 17.28 min Scan# 1149

Delta R.T. 0.02 min

Lab File: BE098615.D

Acq: 4 Jan 2019 14:58

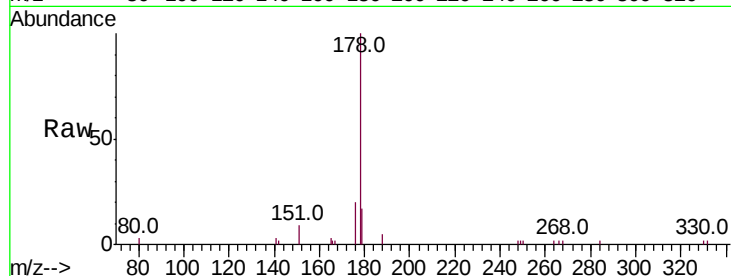
Instrument :

BNA_E

ClientSampleId :

Tot Ion:178 Resp: 4329

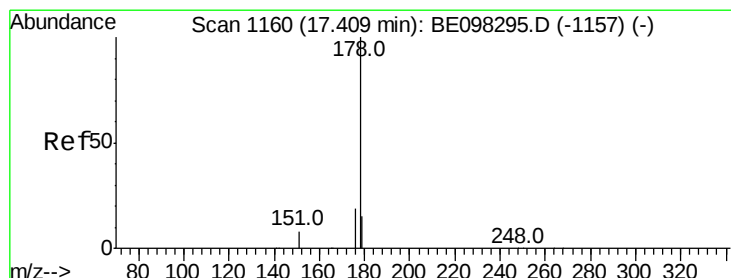
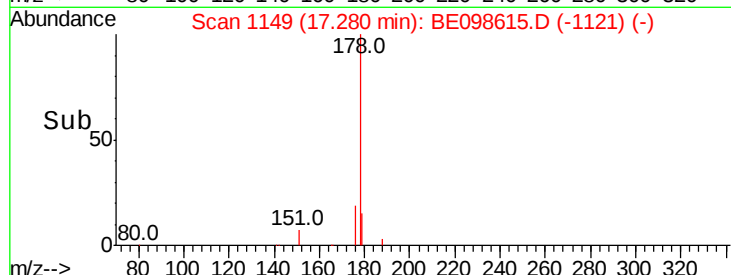
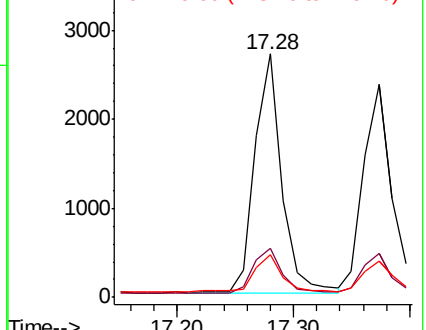
Ion	Ratio	Lower	Upper
178	100		
176	20.2	15.9	23.9
179	16.0	12.3	18.5



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: 0.317 ng

RT: 17.37 min Scan# 1157

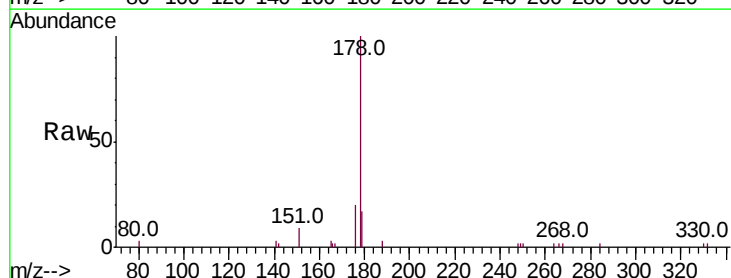
Delta R.T. 0.02 min

Lab File: BE098615.D

Acq: 4 Jan 2019 14:58

Tgt Ion:178 Resp: 3824

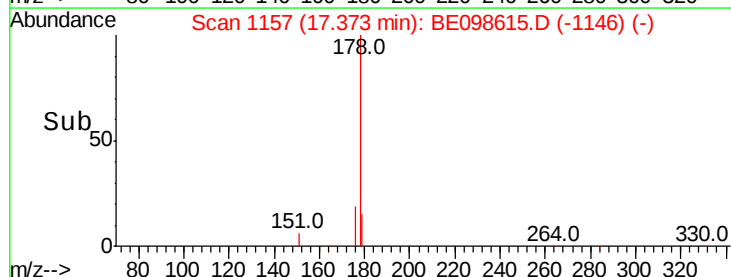
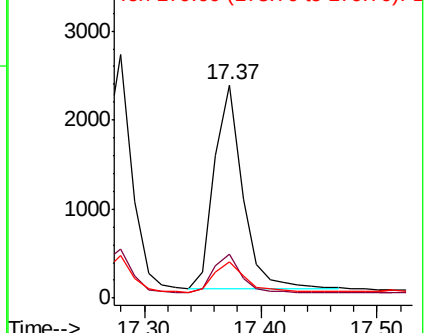
Ion	Ratio	Lower	Upper
178	100		
176	18.8	15.0	22.4
179	16.7	12.3	18.5



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: 0.279 ng

RT: 19.27 min Scan# 1426

Delta R.T. 0.02 min

Lab File: BE098615.D

Acq: 4 Jan 2019 14:58

Instrument :

BNA_E

ClientSampleId :

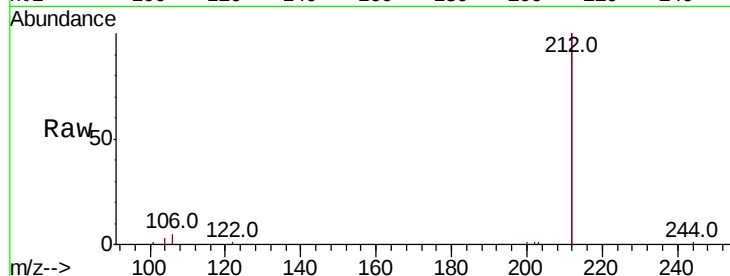
Tot Ion:212 Resp: 19933

Ion Ratio Lower Upper

212 100

106 2.2 2.2 3.2

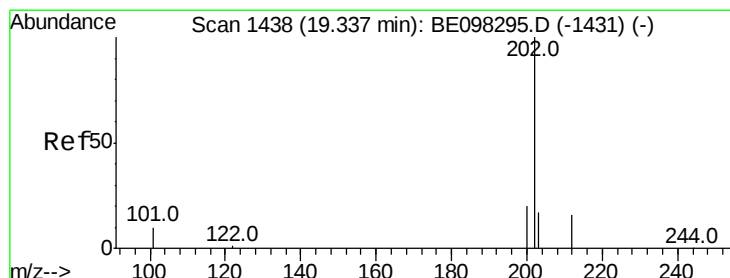
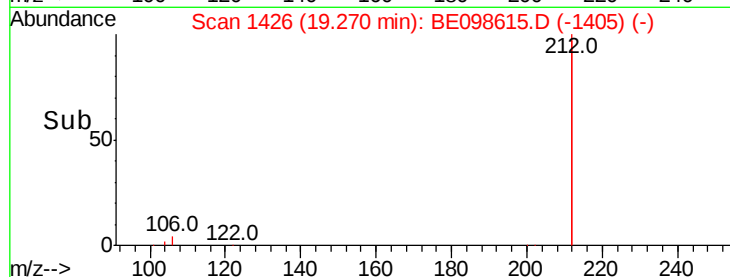
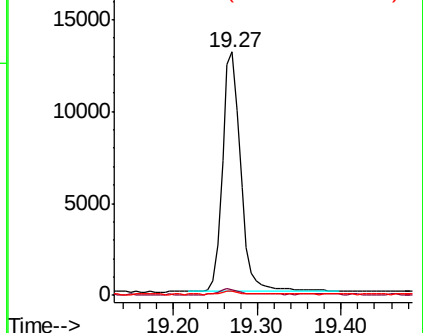
104 1.3 1.3 1.9



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: 0.292 ng

RT: 19.30 min Scan# 1431

Delta R.T. 0.02 min

Lab File: BE098615.D

Acq: 4 Jan 2019 14:58

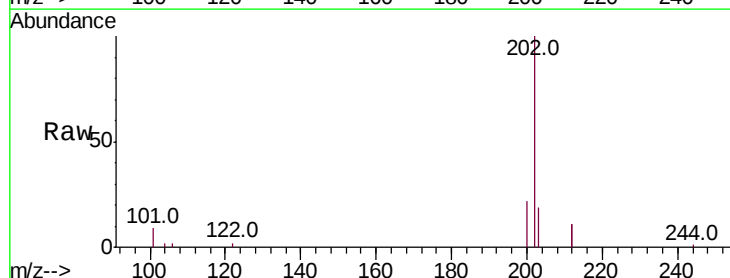
Tgt Ion:202 Resp: 5215

Ion Ratio Lower Upper

202 100

101 8.6 8.0 12.0

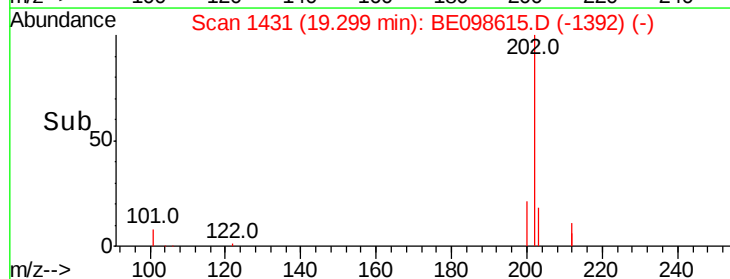
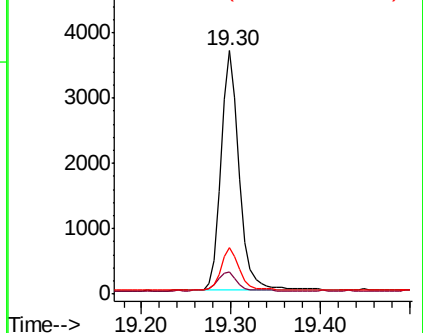
203 17.8 13.8 20.6



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

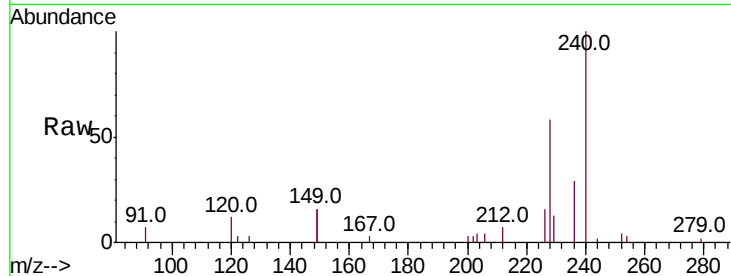




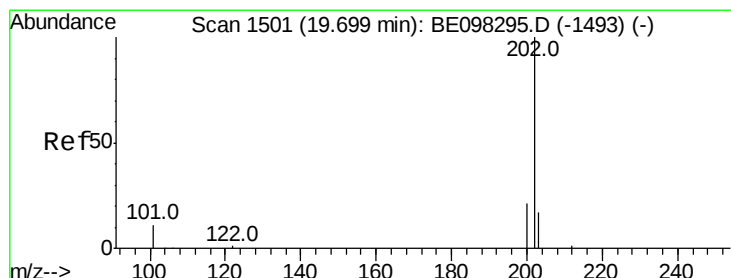
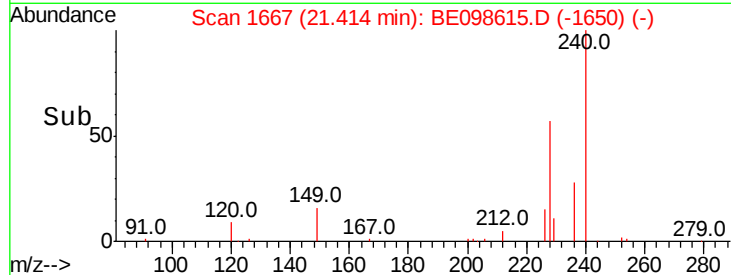
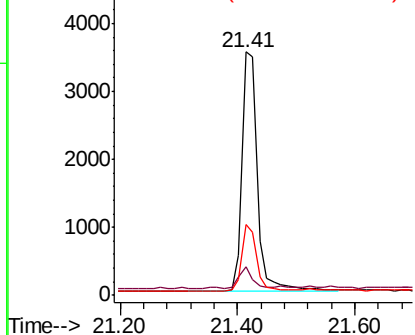
#27
 Chrysene-d12
 Concen: 0.400 ng
 RT: 21.41 min Scan# 1667
 Delta R.T. 0.01 min
 Lab File: BE098615.D
 Acq: 4 Jan 2019 14:58

Instrument :
 BNA_E
 ClientSampleID :

Tot Ion:240 Resp: 6535
 Ion Ratio Lower Upper
 240 100
 120 11.6 9.5 14.3
 236 29.1 22.7 34.1

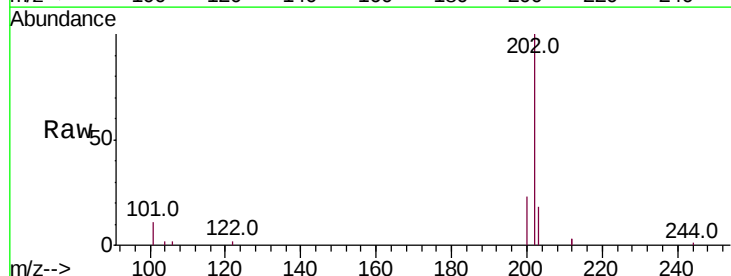


Abundance Ion 240.00 (239.70 to 240.70): E
 Ion 120.00 (119.70 to 120.70): E
 Ion 236.00 (235.70 to 236.70): E

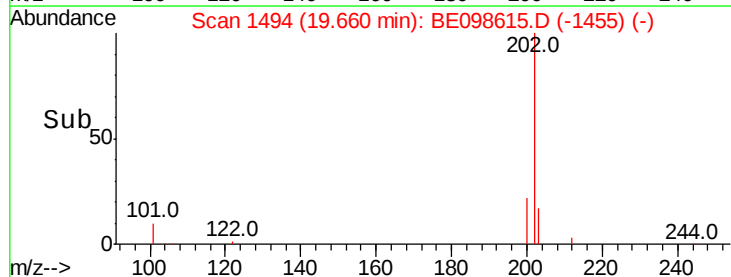
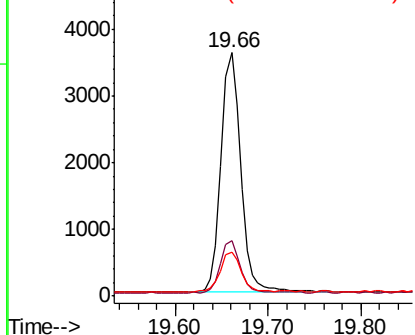


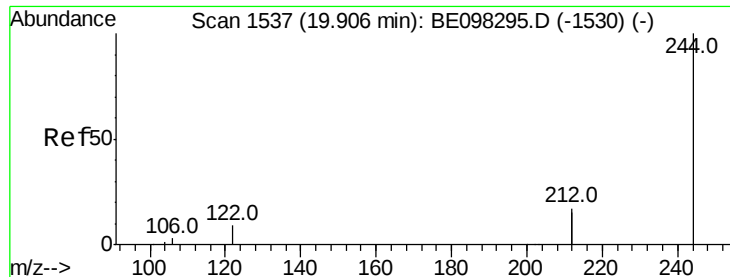
#28
 Pyrene
 Concen: 0.262 ng
 RT: 19.66 min Scan# 1494
 Delta R.T. 0.02 min
 Lab File: BE098615.D
 Acq: 4 Jan 2019 14:58

Tgt Ion:202 Resp: 5377
 Ion Ratio Lower Upper
 202 100
 200 21.7 16.7 25.1
 203 17.4 14.1 21.1



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: 0.267 ng

RT: 19.87 min Scan# 1530

Delta R.T. 0.02 min

Lab File: BE098615.D

Acq: 4 Jan 2019 14:58

Instrument :

BNA_E

ClientSampleId :

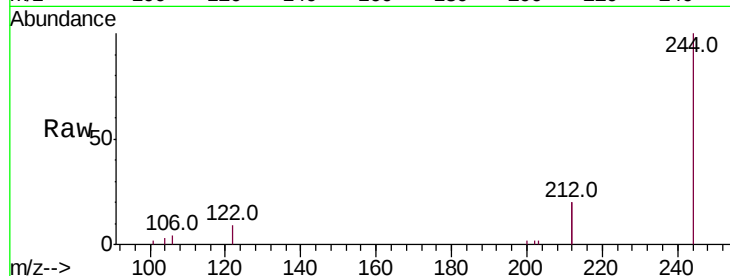
Tot Ion:244 Resp: 4244

Ion Ratio Lower Upper

244 100

212 39.3 27.4 41.0

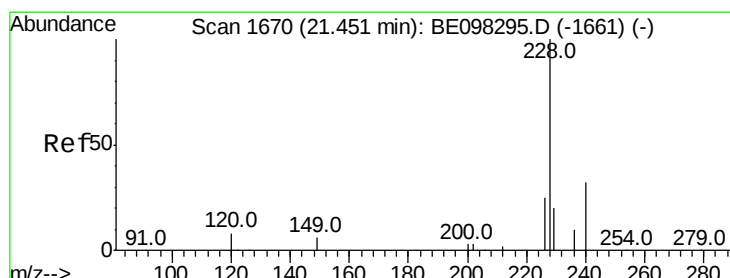
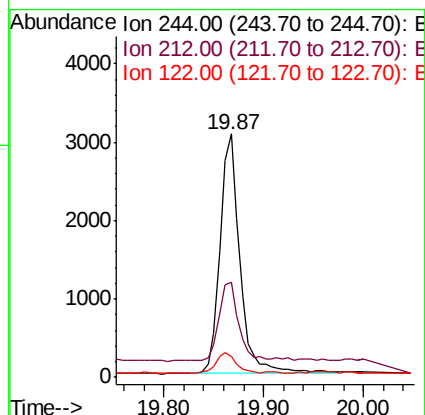
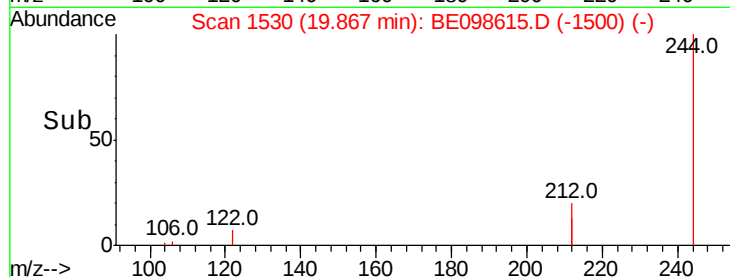
122 8.6 8.3 12.5



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: 0.318 ng

RT: 21.40 min Scan# 1666

Delta R.T. 0.01 min

Lab File: BE098615.D

Acq: 4 Jan 2019 14:58

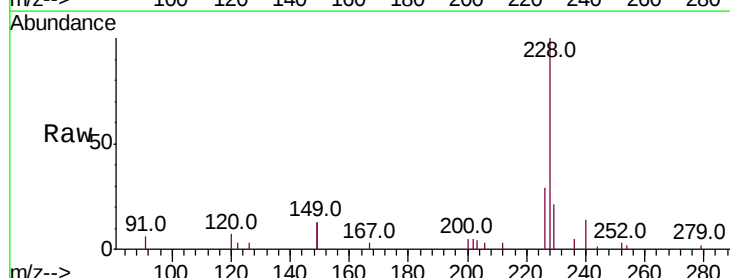
Tgt Ion:228 Resp: 5912

Ion Ratio Lower Upper

228 100

226 28.6 21.8 32.8

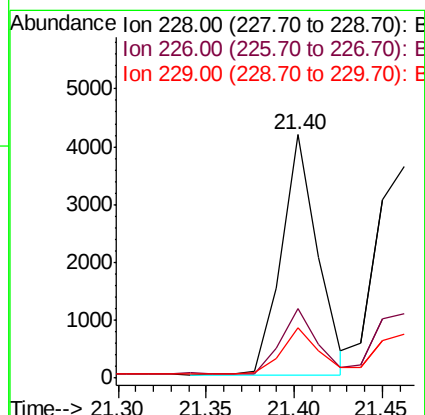
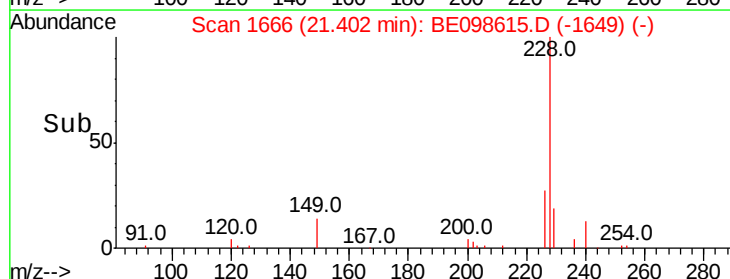
229 20.7 16.3 24.5



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: 0.307 ng

RT: 21.46 min Scan# 1671

Delta R.T. 0.02 min

Lab File: BE098615.D

Acq: 4 Jan 2019 14:58

Instrument :

BNA_E

ClientSampled :

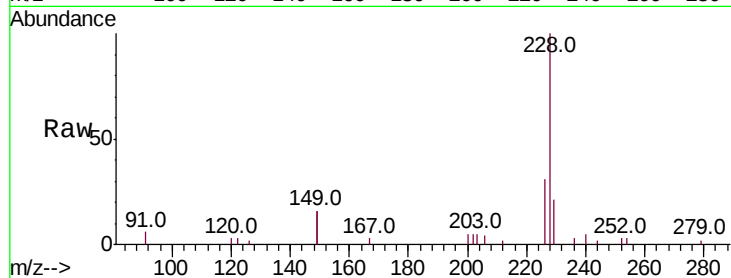
Tot Ion:228 Resp: 5993

Ion Ratio Lower Upper

228 100

226 30.6 23.4 35.0

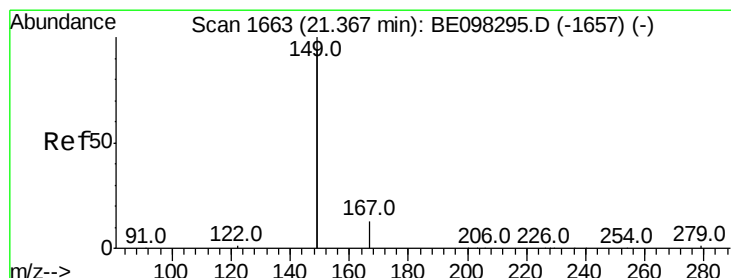
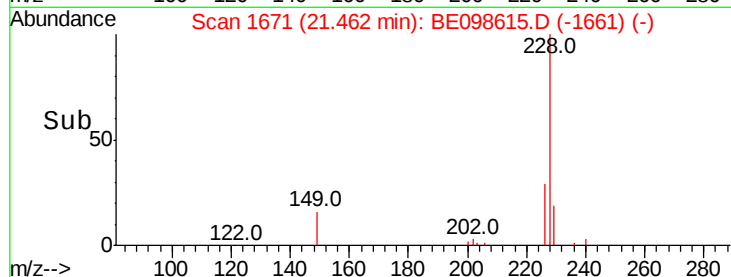
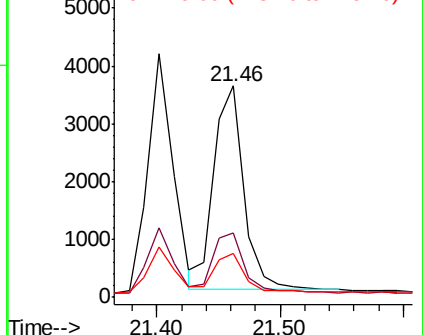
229 20.6 16.2 24.4



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: 0.330 ng

RT: 21.33 min Scan# 1660

Delta R.T. 0.02 min

Lab File: BE098615.D

Acq: 4 Jan 2019 14:58

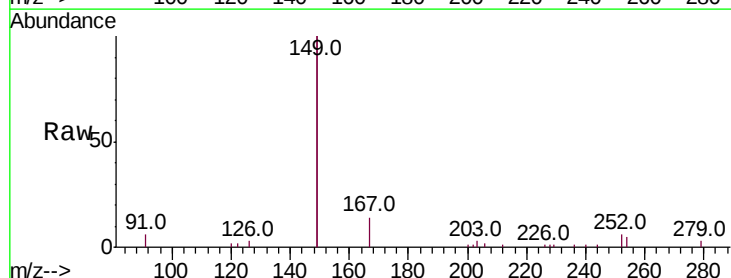
Tgt Ion:149 Resp: 12461

Ion Ratio Lower Upper

149 100

167 6.9 5.7 8.5

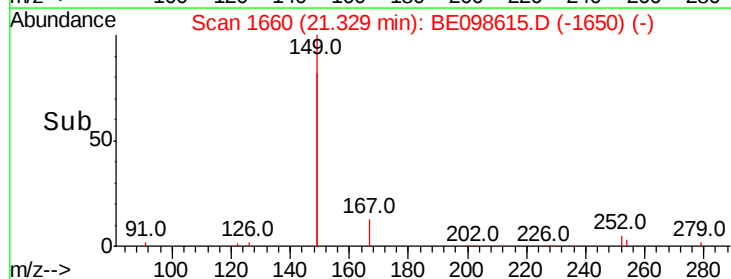
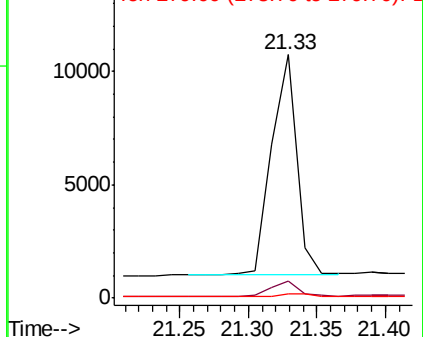
279 1.3 1.0 1.4

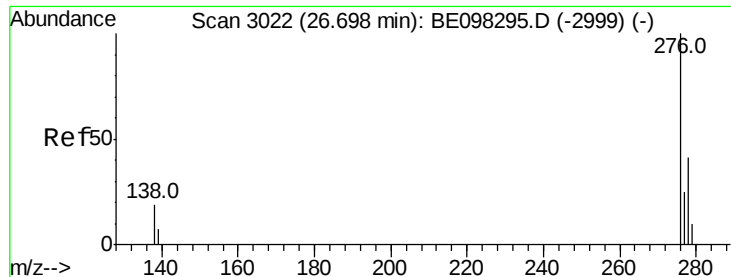


Abundance Ion 149.00 (148.70 to 149.70): E

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: 0.405 ng

RT: 26.60 min Scan# 2994

Delta R.T. -0.04 min

Lab File: BE098615.D

Acq: 4 Jan 2019 14:58

Instrument :

BNA_E

ClientSampleId :

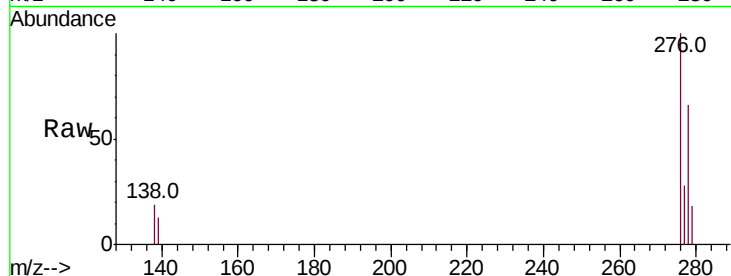
Tot Ion:276 Resp: 7853

Ion Ratio Lower Upper

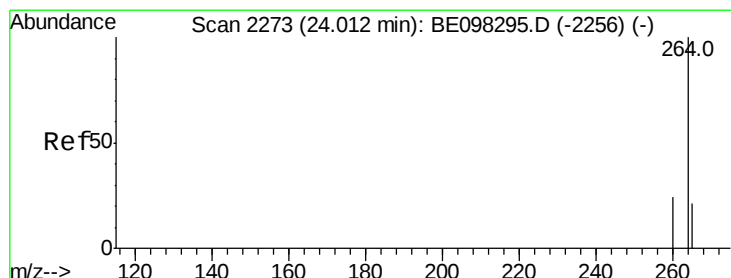
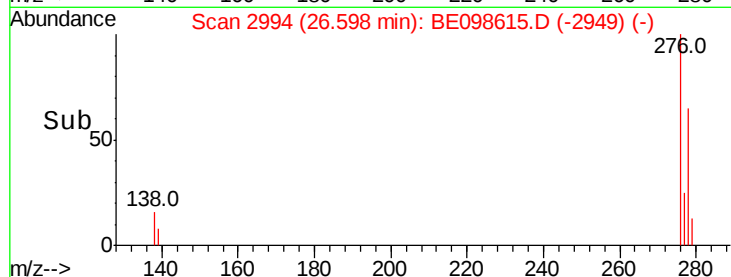
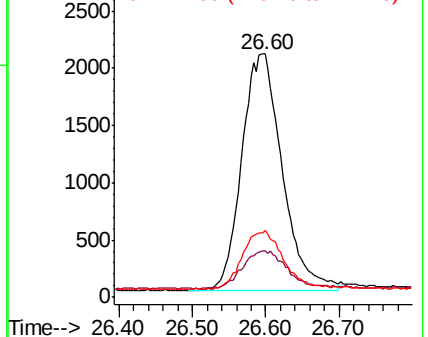
276 100

138 18.1 16.3 24.5

277 25.0 20.2 30.4



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: 23.94 min Scan# 2252

Delta R.T. -0.01 min

Lab File: BE098615.D

Acq: 4 Jan 2019 14:58

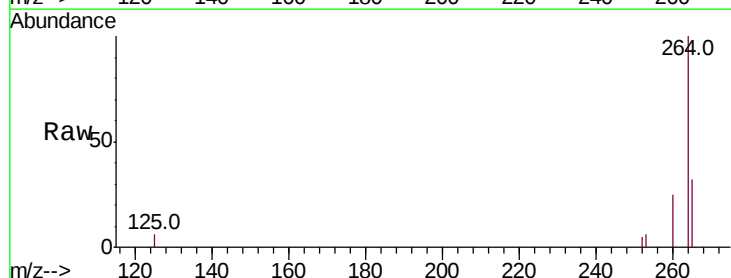
Tgt Ion:264 Resp: 7246

Ion Ratio Lower Upper

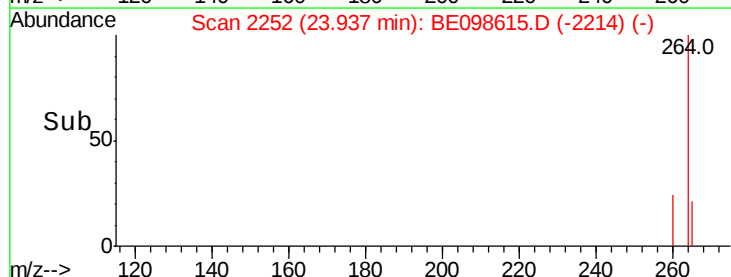
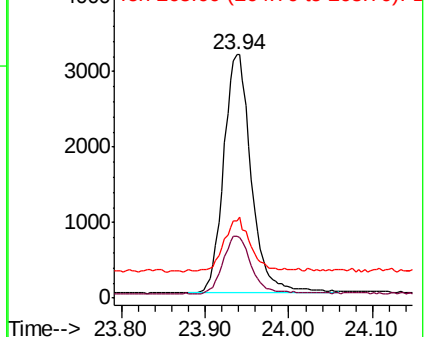
264 100

260 25.5 20.2 30.2

265 31.6 25.2 37.8



Abundance Ion 264.00 (263.70 to 264.70): E
Ion 260.00 (259.70 to 260.70): E
Ion 265.00 (264.70 to 265.70): E

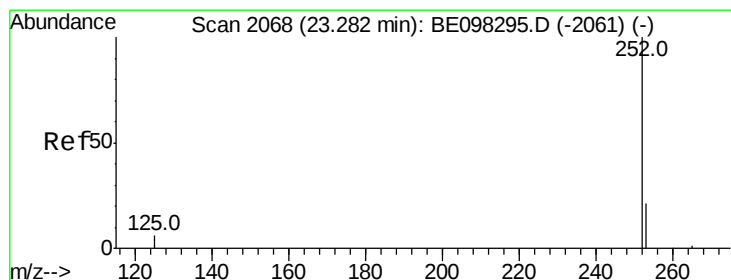
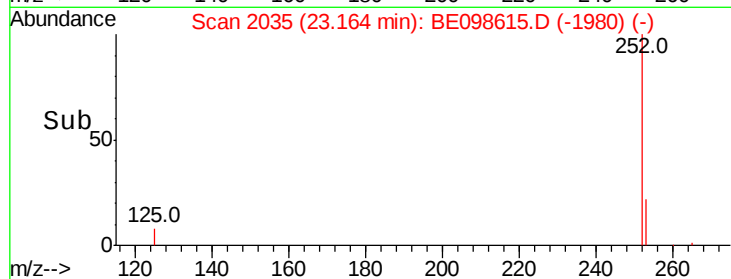
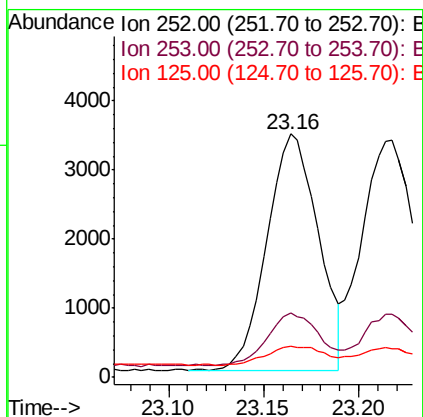
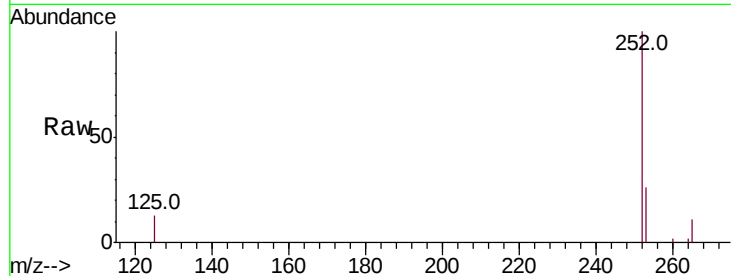




#35
Benzo(b)fluoranthene
Concen: 0.323 ng
RT: 23.16 min Scan# 2035
Delta R.T. -0.00 min
Lab File: BE098615.D
Acq: 4 Jan 2019 14:58

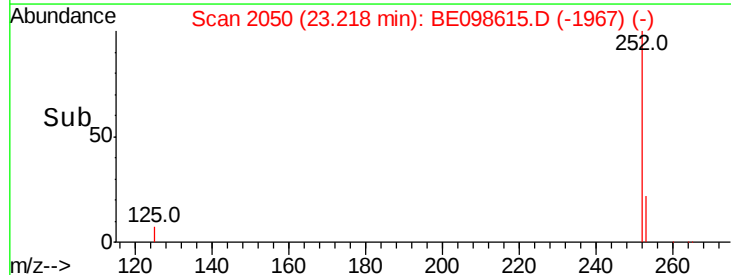
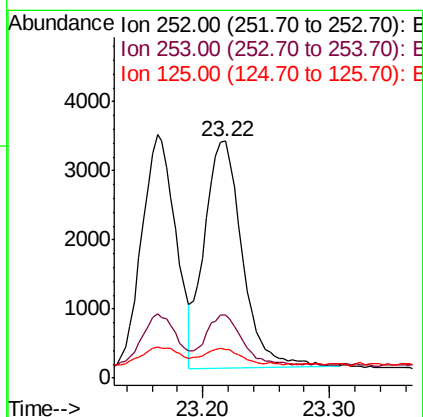
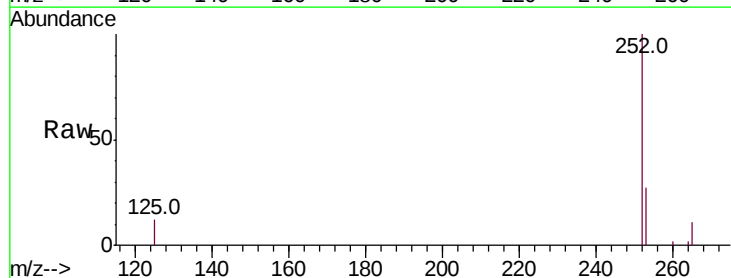
Instrument :
BNA_E
ClientSampleId :

Tot Ion:252 Resp: 6409
Ion Ratio Lower Upper
252 100
253 26.5 20.0 30.0
125 12.9 9.6 14.4



#36
Benzo(k)fluoranthene
Concen: 0.294 ng
RT: 23.22 min Scan# 2050
Delta R.T. -0.00 min
Lab File: BE098615.D
Acq: 4 Jan 2019 14:58

Tgt Ion:252 Resp: 6798
Ion Ratio Lower Upper
252 100
253 26.6 19.0 28.6
125 12.1 9.1 13.7





#37

Benzo(a)pyrene

Concen: 0.315 ng

RT: 23.82 min Scan# 2219

Delta R.T. -0.02 min

Lab File: BE098615.D

Acq: 4 Jan 2019 14:58

Instrument :

BNA_E

ClientSampleId :

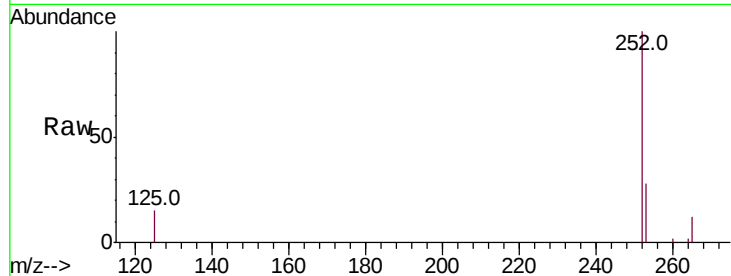
Tot Ion:252 Resp: 6435

Ion Ratio Lower Upper

252 100

253 27.9 20.6 30.8

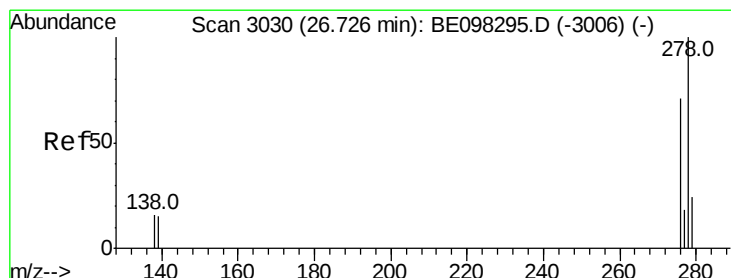
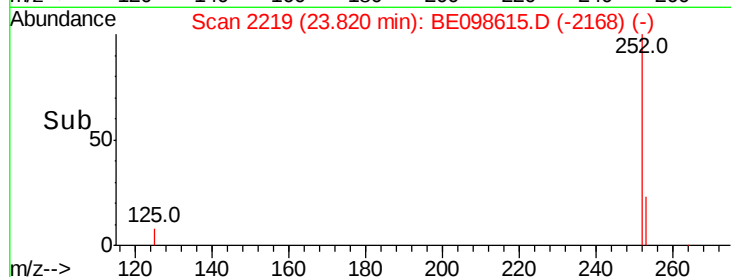
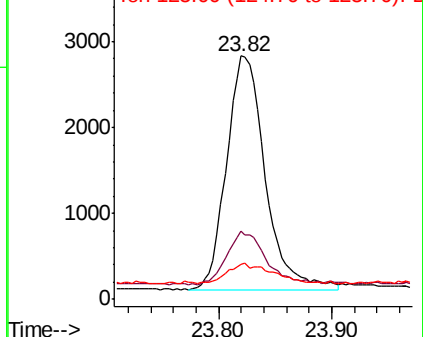
125 14.5 10.5 15.7



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: 0.340 ng

RT: 26.61 min Scan# 2998

Delta R.T. -0.05 min

Lab File: BE098615.D

Acq: 4 Jan 2019 14:58

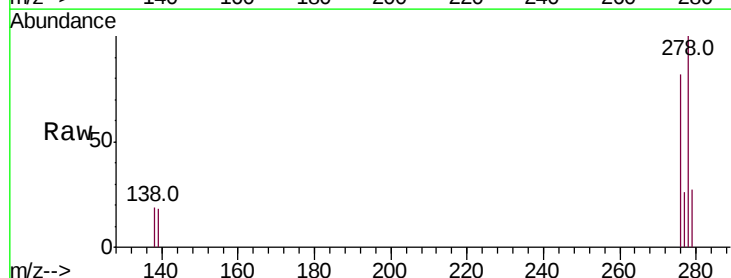
Tgt Ion:278 Resp: 6554

Ion Ratio Lower Upper

278 100

139 18.2 14.5 21.7

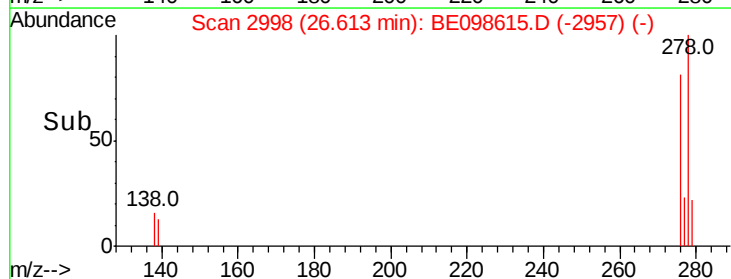
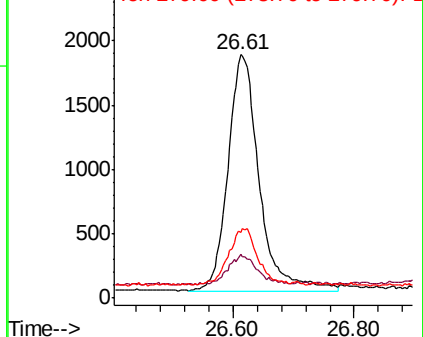
279 26.9 21.8 32.8

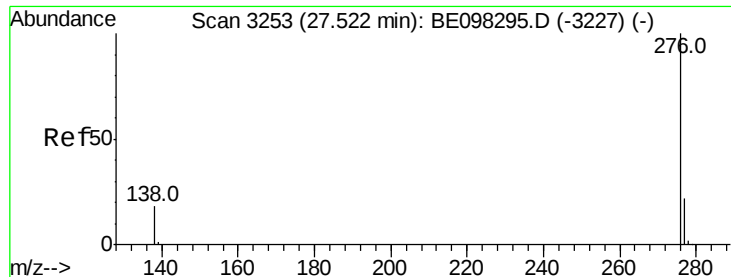


Abundance Ion 278.00 (277.70 to 278.70): E

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: 27.41 min Scan# 3222

Delta R.T. -0.05 min

Lab File: BE098615.D

Acq: 4 Jan 2019 14:58

Instrument :

BNA_E

ClientSampleId :

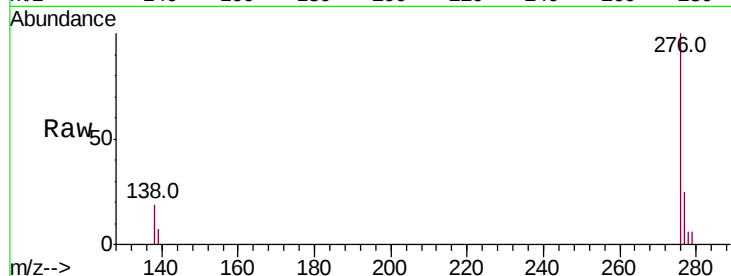
Tot Ion:276 Resp: 6904

Ion Ratio Lower Upper

276 100

277 24.8 20.8 31.2

138 18.5 15.8 23.6



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

