

Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE102418\
 Data File : BE098036.D
 Acq On : 24 Oct 2018 12:40
 Operator : SJ/JU
 Sample : SSTDICC1.6
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :

Quant Time: Oct 24 13:26:26 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA E\METHODS\8270-SIM-BE102418.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Oct 24 11:55:09 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.88	152	1181	0.40	ng	0.00
7) Naphthalene-d8	10.68	136	5672	0.40	ng	0.00
13) Acenaphthene-d10	14.54	164	3960	0.40	ng	0.00
19) Phenanthrene-d10	17.29	188	9244	0.40	ng	0.00
27) Chrysene-d12	21.47	240	11009	0.40	ng	0.00
34) Perylene-d12	24.03	264	10618	0.40	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Fluorophenol	5.47	112	5425	1.46	ng	0.00
5) Phenol-d6	7.06	99	9061	1.65	ng	0.00
8) Nitrobenzene-d5	9.03	82	9514	1.77	ng	0.00
11) 2-Methylnaphthalene-d10	12.28	152	15746	1.67	ng	0.00
14) 2,4,6-Tribromophenol	16.03	330	2865	1.35	ng	0.00
15) 2-Fluorobiphenyl	13.16	172	23115	1.43	ng	0.00
25) Fluoranthene-d10	19.32	212	185036	1.48	ng	0.00
29) Terphenyl-d14	19.92	244	38393	1.52	ng	0.00

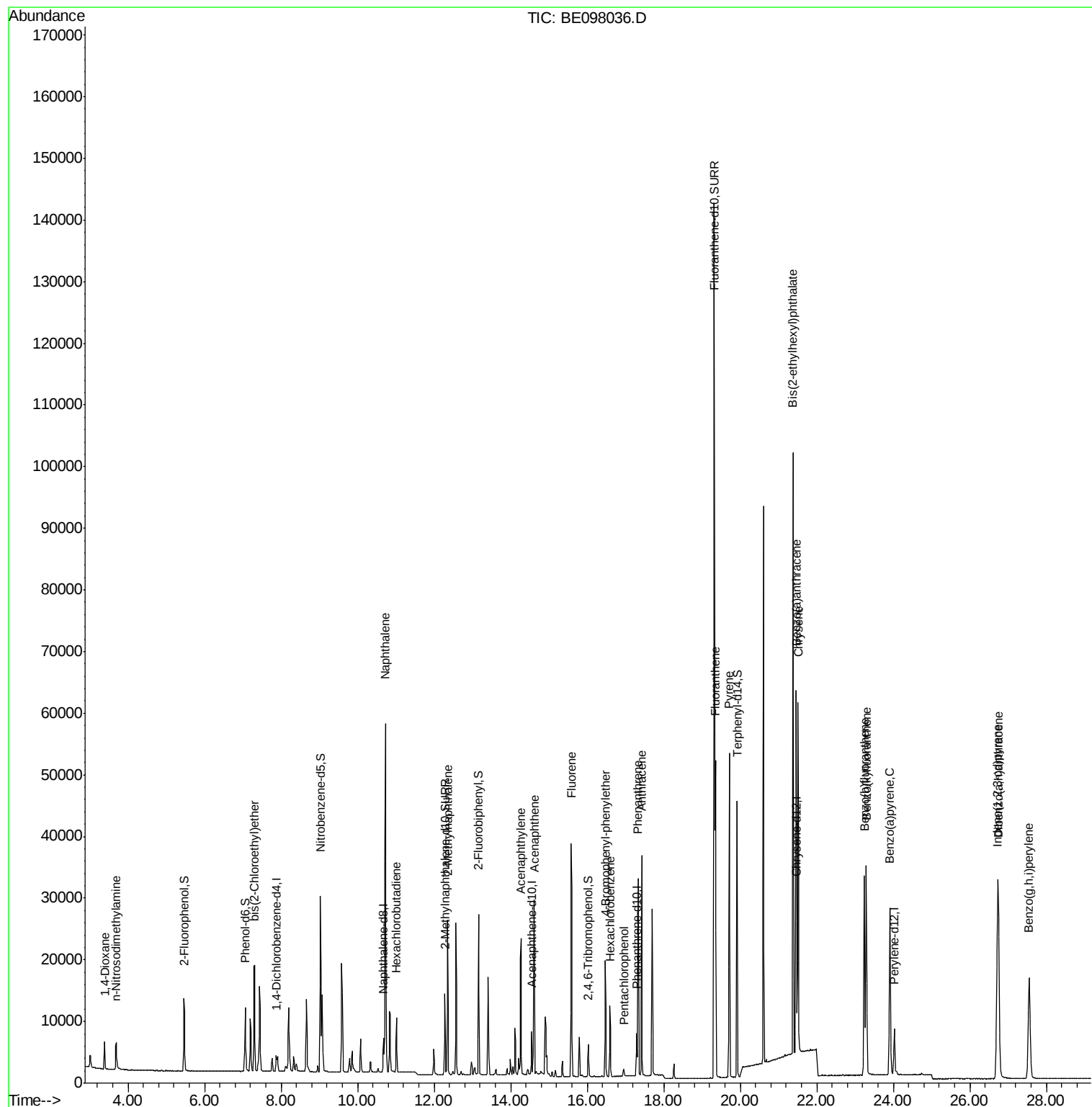
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) 1,4-Dioxane	3.38	88	2675	1.299	ng	97
3) n-Nitrosodimethylamine	3.68	42	3949	1.717	ng	# 81
6) bis(2-Chloroethyl)ether	7.30	93	6464	1.383	ng	94
9) Naphthalene	10.73	128	88116	1.560	ng	99
10) Hexachlorobutadiene	11.02	225	5892	1.936	ng	97
12) 2-Methylnaphthalene	12.35	142	15884	1.642	ng	94
16) Acenaphthylene	14.27	152	28285	1.546	ng	99
17) Acenaphthene	14.61	154	16866	1.508	ng	99
18) Fluorene	15.58	166	22603	1.470	ng	99
20) 4-Bromophenyl-phenylether	16.48	248	8972	1.776	ng	91
21) Hexachlorobenzene	16.59	284	9158	1.844	ng	98
22) Pentachlorophenol	16.95	266	781	0.544	ng	91
23) Phenanthrene	17.33	178	35258	1.501	ng	100
24) Anthracene	17.42	178	35255	1.589	ng	99
26) Fluoranthene	19.35	202	44497	1.444	ng	# 96
28) Pyrene	19.71	202	46529	1.465	ng	100
30) Benzo(a)anthracene	21.46	228	50086	1.483	ng	96
31) Chrysene	21.51	228	48527	1.517	ng	98
32) Bis(2-ethylhexyl)phthalate	21.38	149	114495	1.452	ng	100
33) Indeno(1,2,3-cd)pyrene	26.72	276	53079	1.545	ng	# 94
35) Benzo(b)fluoranthene	23.24	252	45836	1.500	ng	# 87
36) Benzo(k)fluoranthene	23.29	252	48961	1.538	ng	# 87
37) Benzo(a)pyrene	23.91	252	45372	1.523	ng	# 86
38) Dibenzo(a,h)anthracene	26.75	278	44710	1.533	ng	# 88
39) Benzo(g,h,i)perylene	27.55	276	44264	1.481	ng	# 87

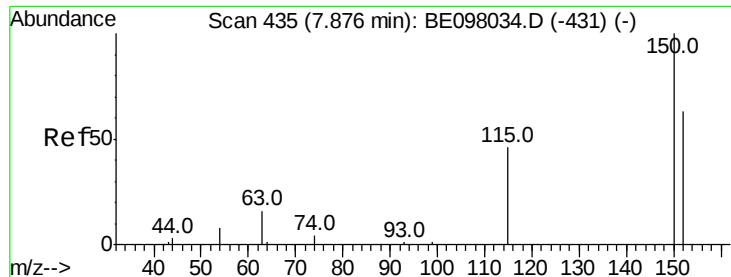
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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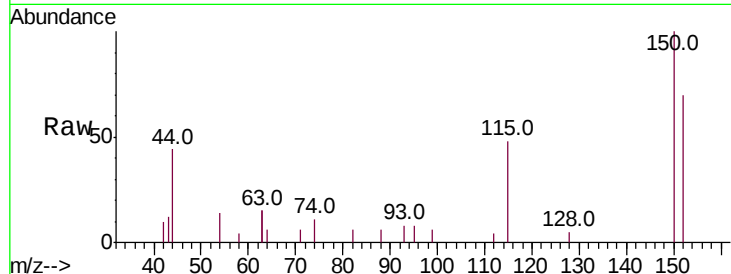




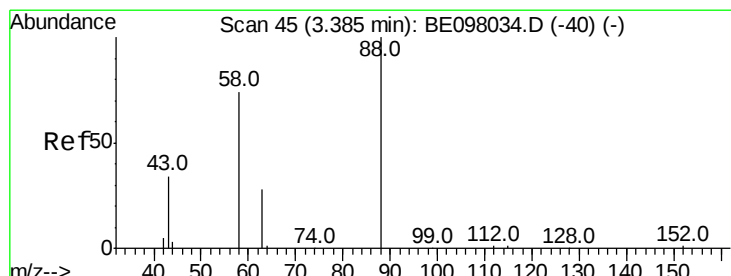
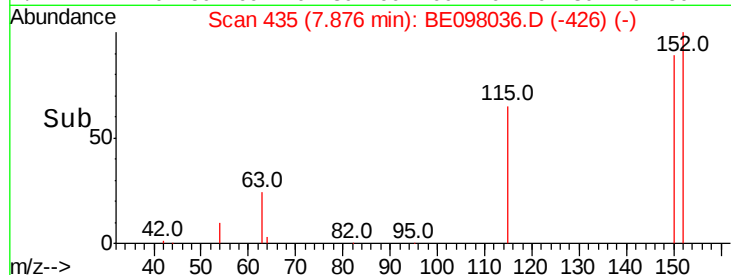
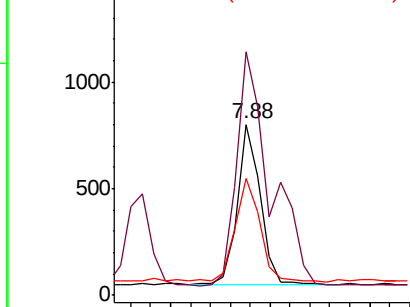
#1
 1,4-Dichlorobenzene-d4
 Concen: 0.400 ng
 RT: 7.88 min Scan# 435
 Delta R.T. -0.00 min
 Lab File: BE098036.D
 Acq: 24 Oct 2018 12:40

Instrument :
 BNA_E
 ClientSampleId :

Tot Ion:152 Resp: 1181
 Ion Ratio Lower Upper
 152 100
 150 142.6 118.2 177.4
 115 68.8 50.9 76.3

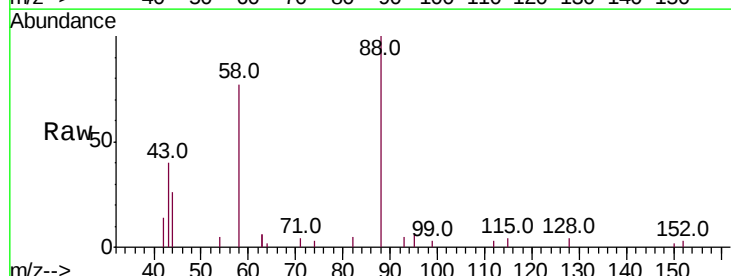


Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E

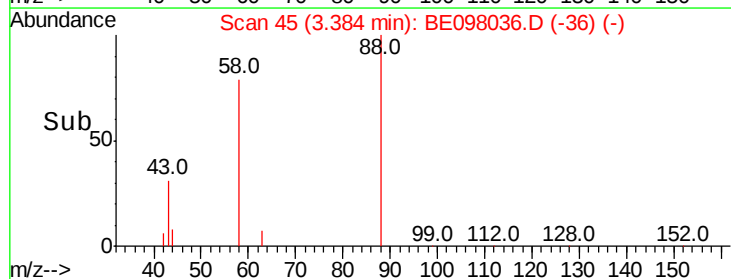
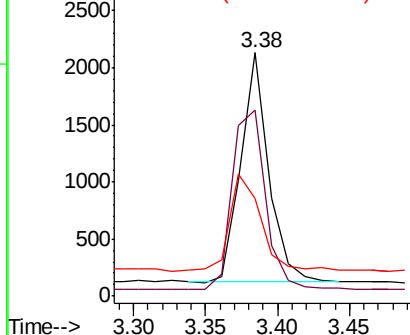


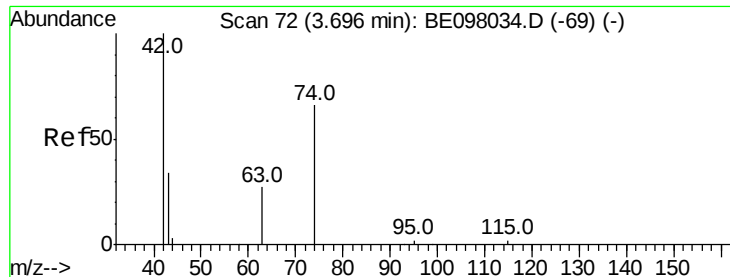
#2
 1,4-Dioxane
 Concen: 1.299 ng
 RT: 3.38 min Scan# 45
 Delta R.T. -0.00 min
 Lab File: BE098036.D
 Acq: 24 Oct 2018 12:40

Tgt Ion: 88 Resp: 2675
 Ion Ratio Lower Upper
 88 100
 58 95.3 73.2 109.8
 43 47.4 36.9 55.3



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



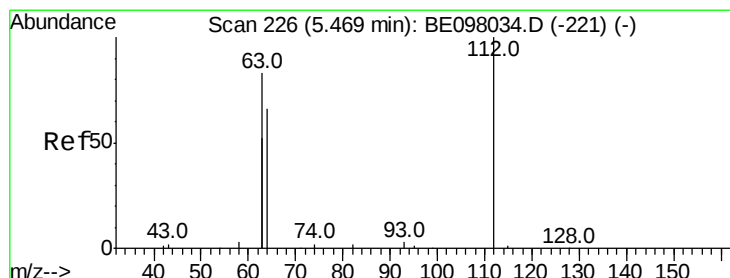
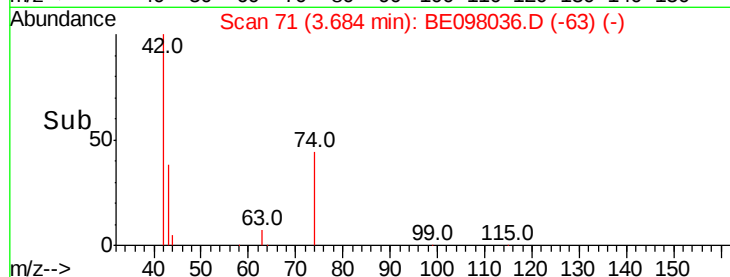
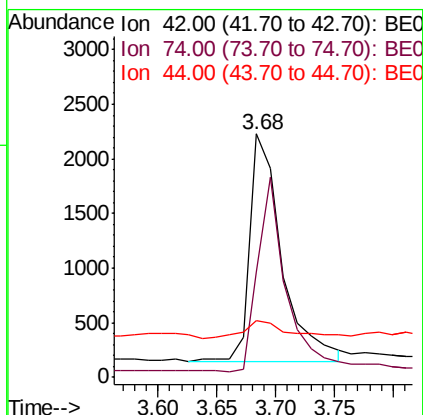
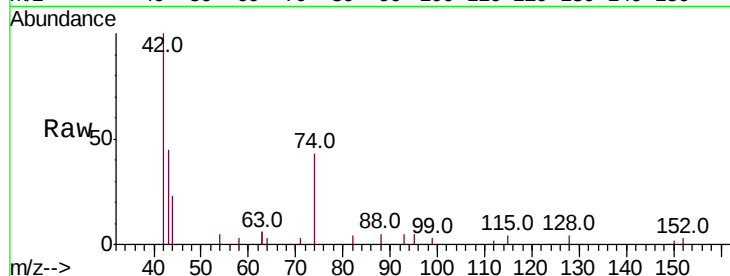


#3

n-Nitrosodimethylamine
 Concen: 1.717 ng
 RT: 3.68 min Scan# 71
 Delta R.T. -0.01 min
 Lab File: BE098036.D
 Acq: 24 Oct 2018 12:40

Instrument :
 BNA_E
 ClientSampleId :

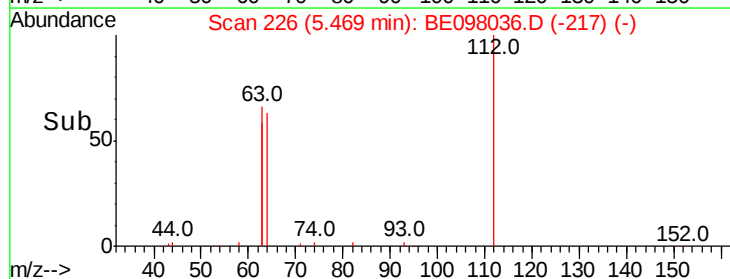
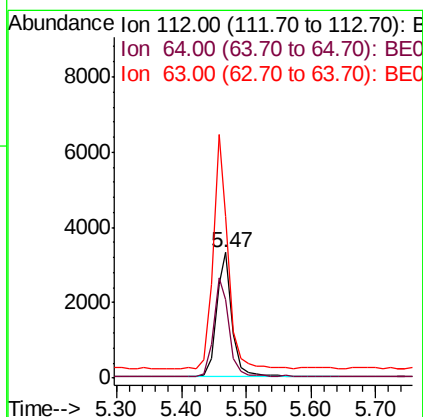
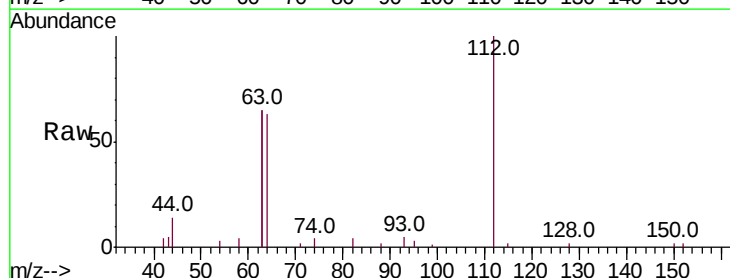
Tot Ion: 42 Resp: 3949
 Ion Ratio Lower Upper
 42 100
 74 76.4 77.6 116.4#
 44 11.1 7.6 11.4

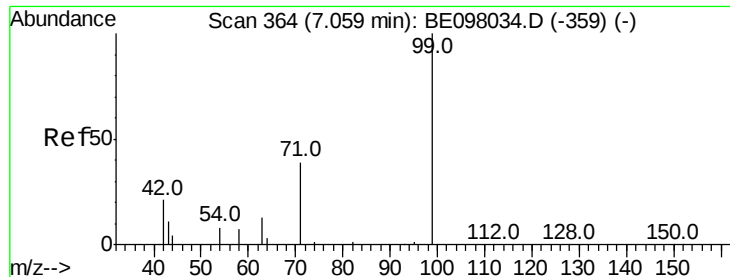


#4

2-Fluorophenol
 Concen: 1.457 ng
 RT: 5.47 min Scan# 226
 Delta R.T. -0.00 min
 Lab File: BE098036.D
 Acq: 24 Oct 2018 12:40

Tgt Ion: 112 Resp: 5425
 Ion Ratio Lower Upper
 112 100
 64 79.6 58.9 88.3
 63 183.6 120.3 180.5#





#5

Phenol-d6

Concen: 1.646 ng

RT: 7.06 min Scan# 364

Delta R.T. -0.00 min

Lab File: BE098036.D

Acq: 24 Oct 2018 12:40

Instrument :

BNA_E

ClientSampleId :

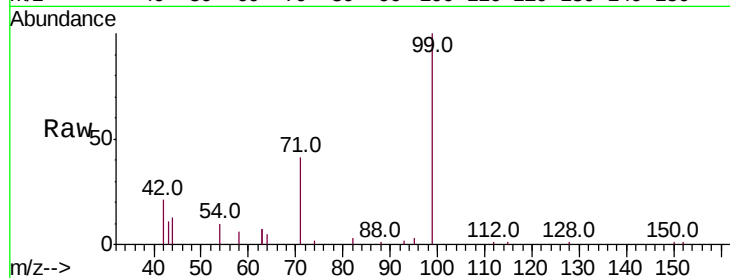
Tot Ion: 99 Resp: 9061

Ion Ratio Lower Upper

99 100

42 29.9 19.9 29.9#

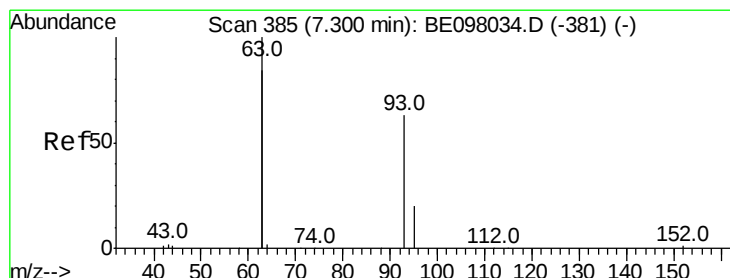
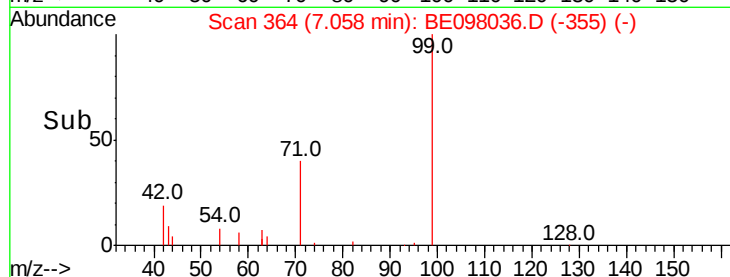
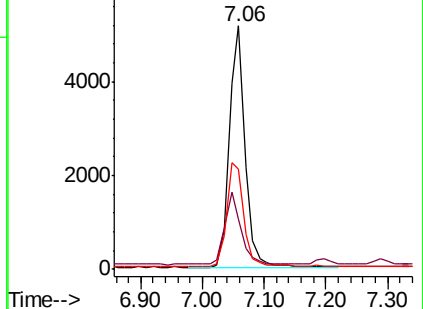
71 46.0 27.8 41.8#



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: 1.383 ng

RT: 7.30 min Scan# 385

Delta R.T. -0.00 min

Lab File: BE098036.D

Acq: 24 Oct 2018 12:40

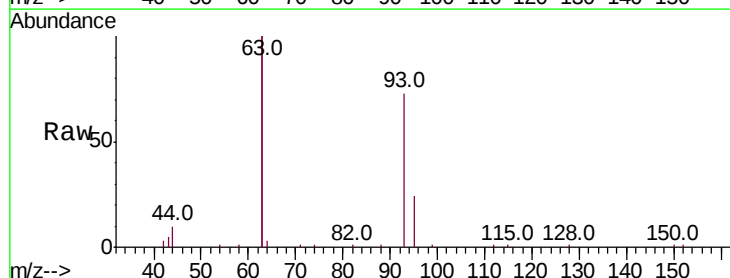
Tgt Ion: 93 Resp: 6464

Ion Ratio Lower Upper

93 100

63 336.5 259.0 388.4

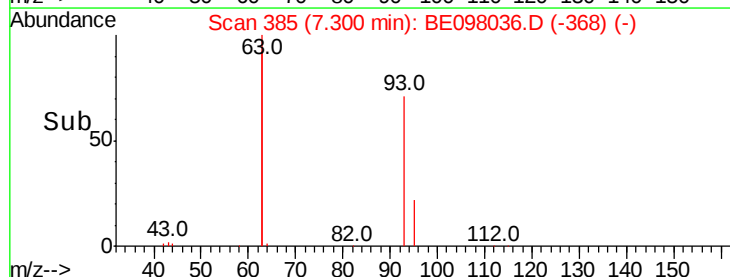
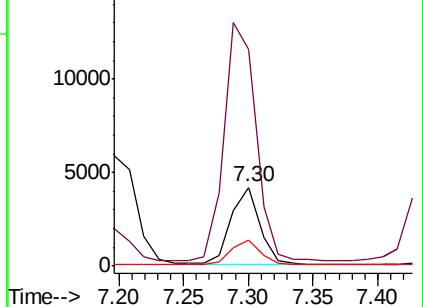
95 31.5 27.8 41.8

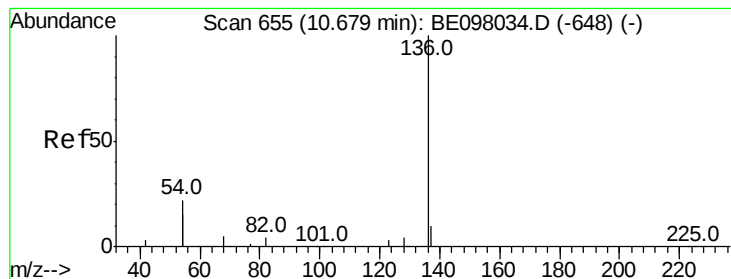


Abundance Ion 93.00 (92.70 to 93.70): BE0

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: 10.68 min Scan# 655

Delta R.T. -0.00 min

Lab File: BE098036.D

Acq: 24 Oct 2018 12:40

Instrument :

BNA_E

ClientSampleId :

Tot Ion:136 Resp: 5672

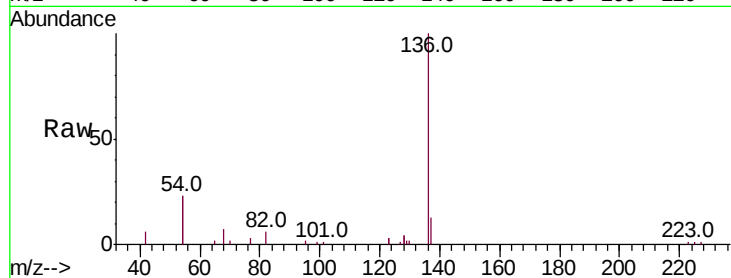
Ion Ratio Lower Upper

136 100

137 12.6 9.6 14.4

54 45.6 27.7 41.5#

68 7.2 5.3 7.9

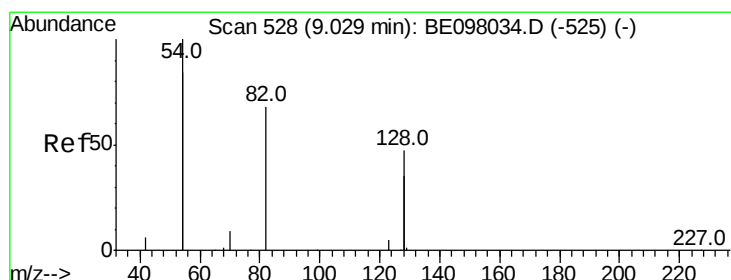
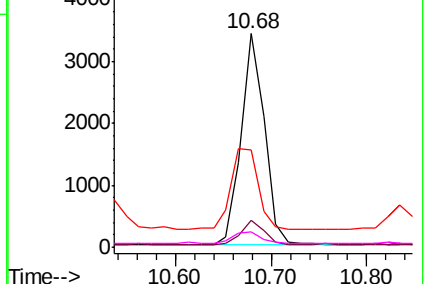
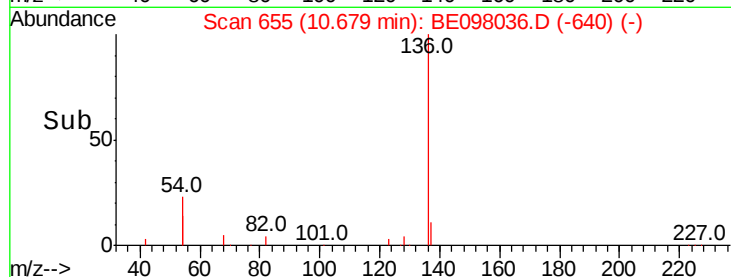


Abundance Ion 136.00 (135.70 to 136.70): E

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: 1.771 ng

RT: 9.03 min Scan# 528

Delta R.T. -0.00 min

Lab File: BE098036.D

Acq: 24 Oct 2018 12:40

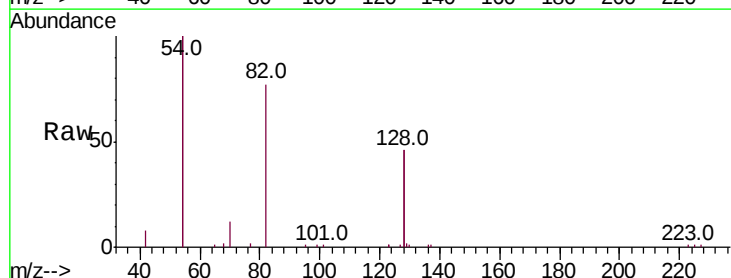
Tgt Ion: 82 Resp: 9514

Ion Ratio Lower Upper

82 100

128 119.7 129.9 194.9#

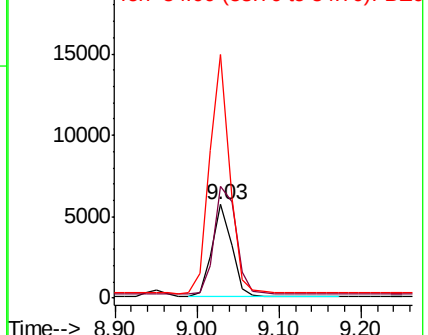
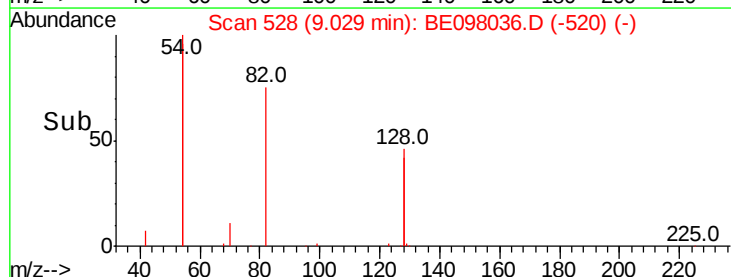
54 260.7 174.0 261.0

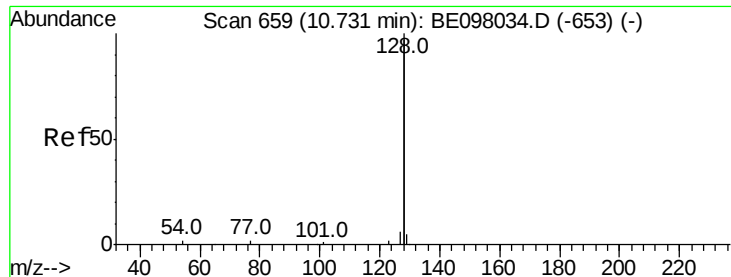


Abundance Ion 82.00 (81.70 to 82.70): BE0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BE0





#9

Naphthalene

Concen: 1.560 ng

RT: 10.73 min Scan# 659

Delta R.T. -0.00 min

Lab File: BE098036.D

Acq: 24 Oct 2018 12:40

Instrument :

BNA_E

ClientSampleId :

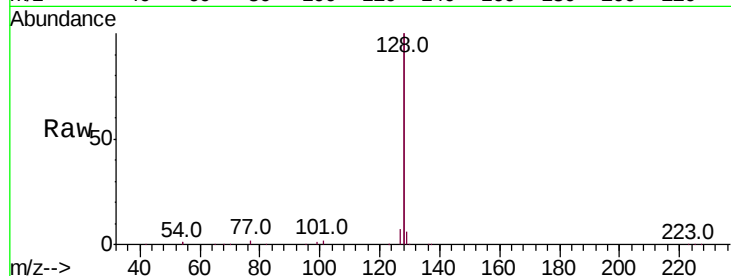
Tot Ion:128 Resp: 88116

Ion Ratio Lower Upper

128 100

129 2.8 2.5 3.7

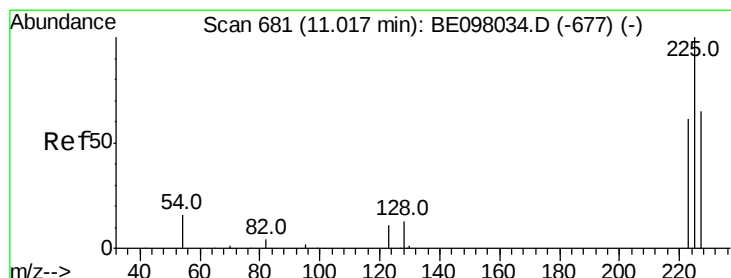
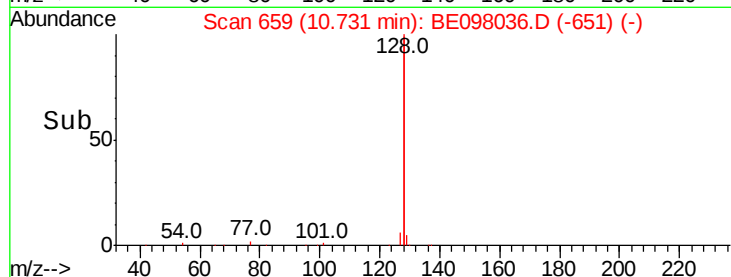
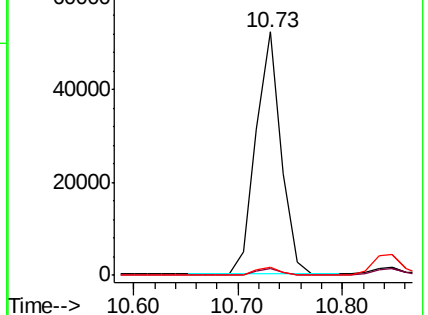
127 3.3 2.8 4.2



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: 1.936 ng

RT: 11.02 min Scan# 681

Delta R.T. -0.00 min

Lab File: BE098036.D

Acq: 24 Oct 2018 12:40

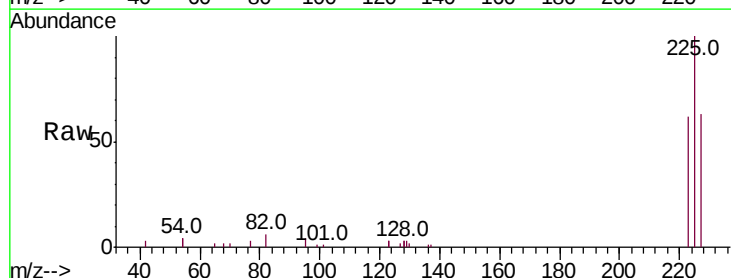
Tgt Ion:225 Resp: 5892

Ion Ratio Lower Upper

225 100

223 62.8 51.8 77.8

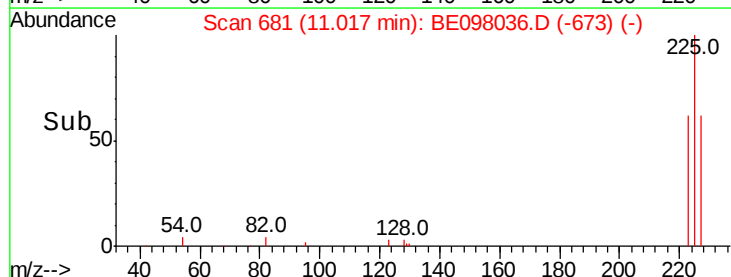
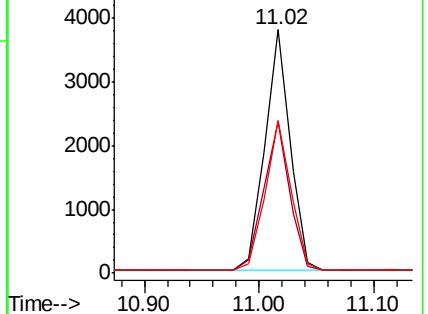
227 63.2 53.0 79.6

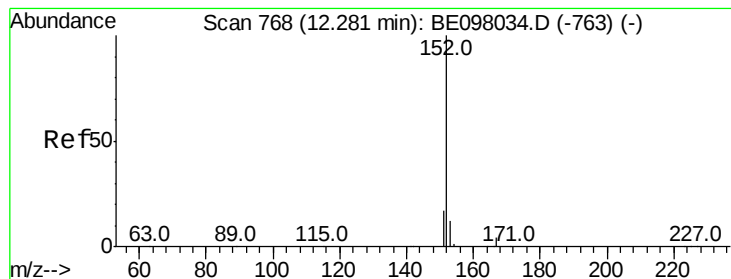


Abundance Ion 225.00 (224.70 to 225.70): E

Ion 223.00 (222.70 to 223.70): E

Ion 227.00 (226.70 to 227.70): E





#11

2-Methylnaphthalene-d10

Concen: 1.669 ng

RT: 12.28 min Scan# 768

Delta R.T. 0.00 min

Lab File: BE098036.D

Acq: 24 Oct 2018 12:40

Instrument :

BNA_E

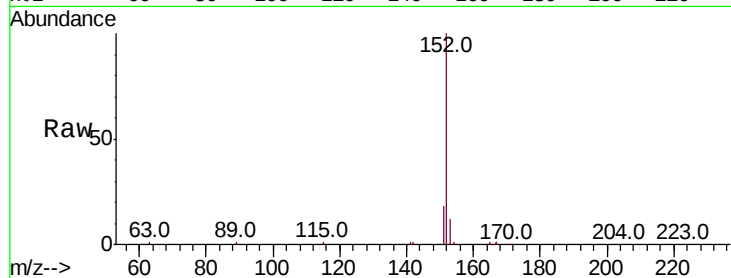
ClientSampleId :

Tot Ion:152 Resp: 15746

Ion Ratio Lower Upper

152 100

151 19.2 16.2 24.4



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

12000

10000

8000

6000

4000

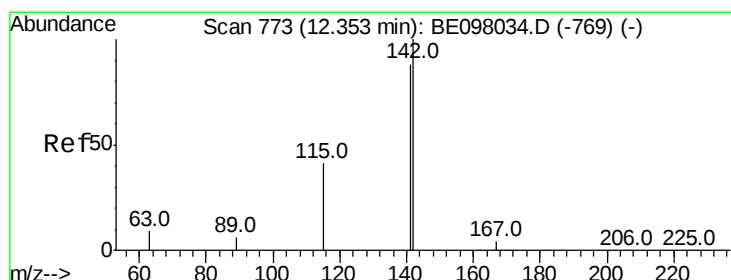
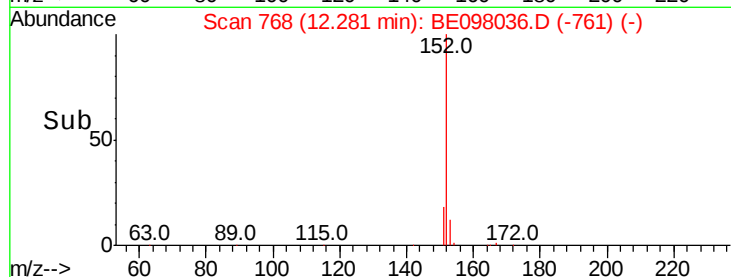
2000

0

12.28

12.20 12.40

Time-->



#12

2-Methylnaphthalene

Concen: 1.642 ng

RT: 12.35 min Scan# 773

Delta R.T. 0.00 min

Lab File: BE098036.D

Acq: 24 Oct 2018 12:40

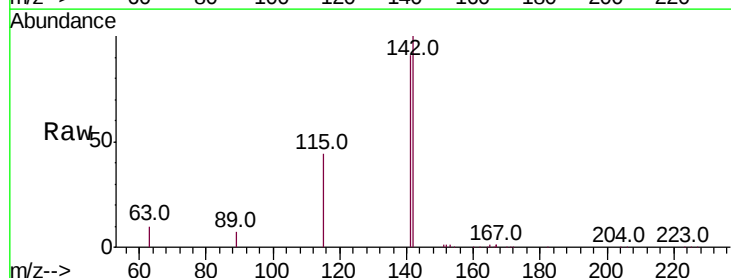
Tgt Ion:142 Resp: 15884

Ion Ratio Lower Upper

142 100

141 90.6 69.8 104.6

115 44.3 30.5 45.7



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

10000

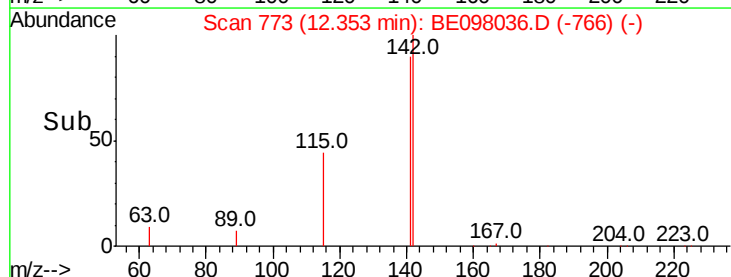
5000

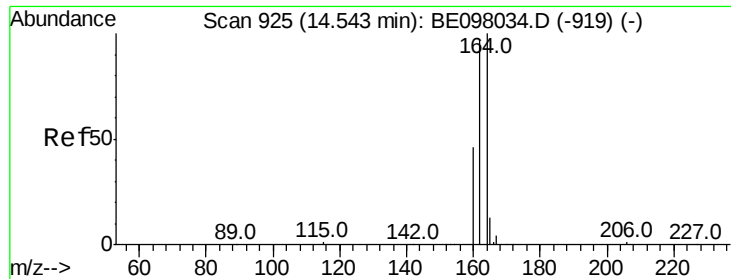
0

12.35

12.25 12.30 12.35 12.40

Time-->

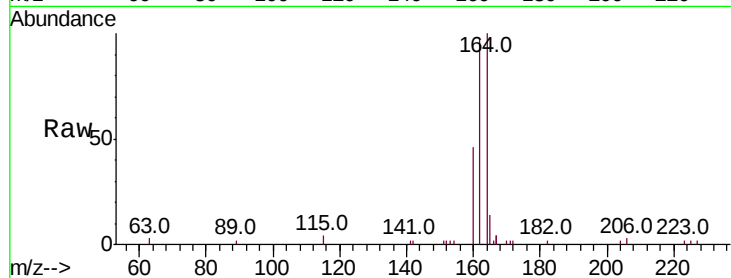




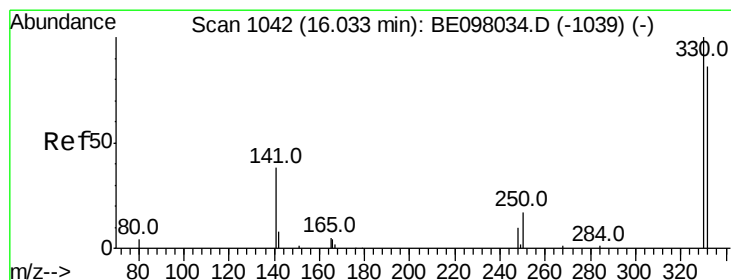
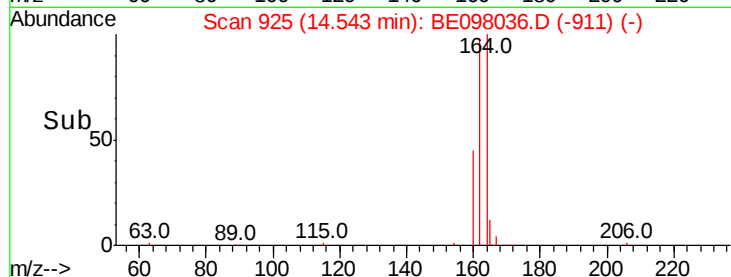
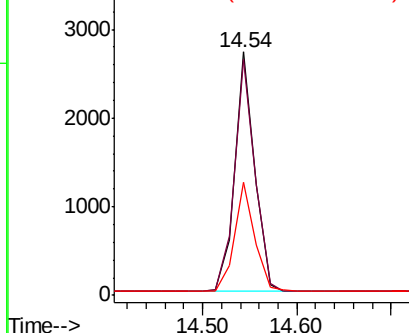
#13
 Acenaphthene-d10
 Concen: 0.400 ng
 RT: 14.54 min Scan# 925
 Delta R.T. 0.00 min
 Lab File: BE098036.D
 Acq: 24 Oct 2018 12:40

Instrument :
 BNA_E
 ClientSampleId :

Tot Ion:164 Resp: 3960
 Ion Ratio Lower Upper
 164 100
 162 96.8 77.4 116.2
 160 46.3 36.5 54.7

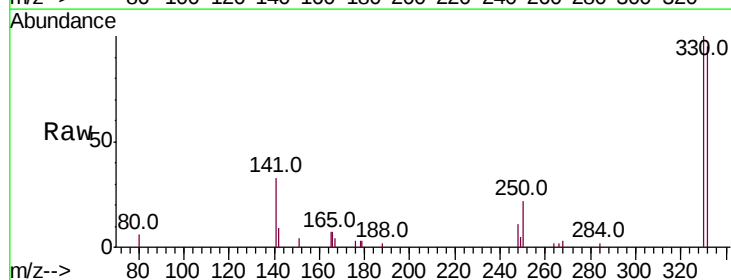


Abundance Ion 164.00 (163.70 to 164.70): E
 Ion 162.00 (161.70 to 162.70): E
 Ion 160.00 (159.70 to 160.70): E

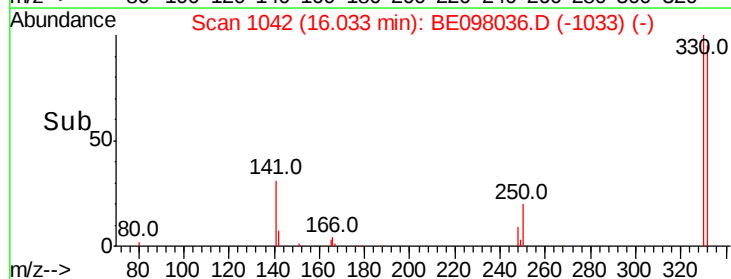
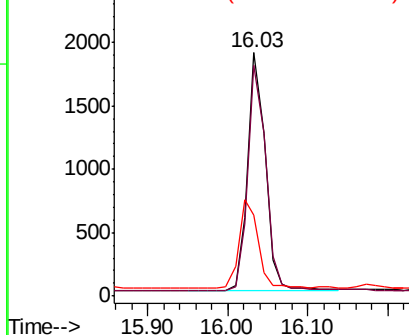


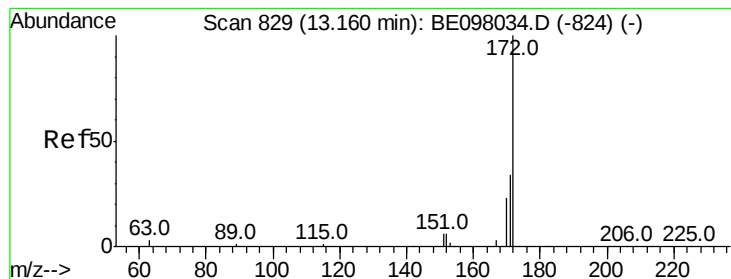
#14
 2,4,6-Tribromophenol
 Concen: 1.345 ng
 RT: 16.03 min Scan# 1042
 Delta R.T. 0.00 min
 Lab File: BE098036.D
 Acq: 24 Oct 2018 12:40

Tgt Ion:330 Resp: 2865
 Ion Ratio Lower Upper
 330 100
 332 97.1 76.5 114.7
 141 40.3 31.8 47.6



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

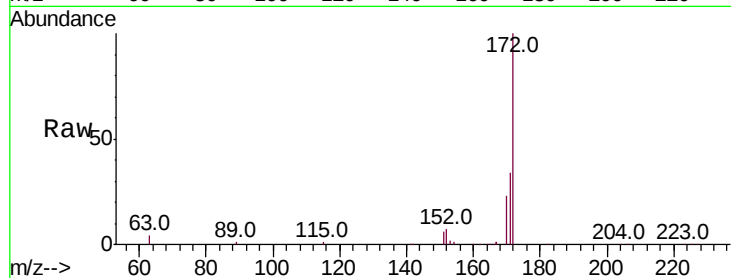




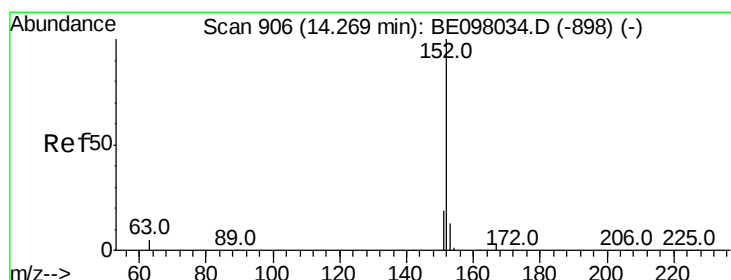
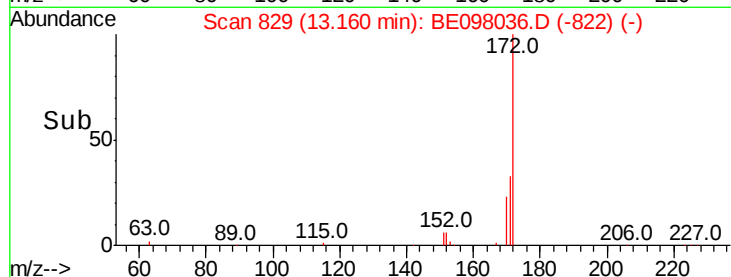
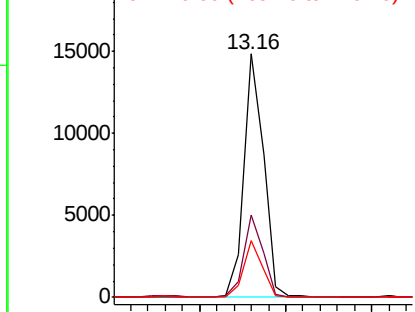
#15
2-Fluorobiphenyl
Concen: 1.428 ng
RT: 13.16 min Scan# 829
Delta R.T. 0.00 min
Lab File: BE098036.D
Acq: 24 Oct 2018 12:40

Instrument :
BNA_E
ClientSampleId :

Tot Ion:172 Resp: 23115
Ion Ratio Lower Upper
172 100
171 33.7 26.0 39.0
170 23.2 18.0 27.0

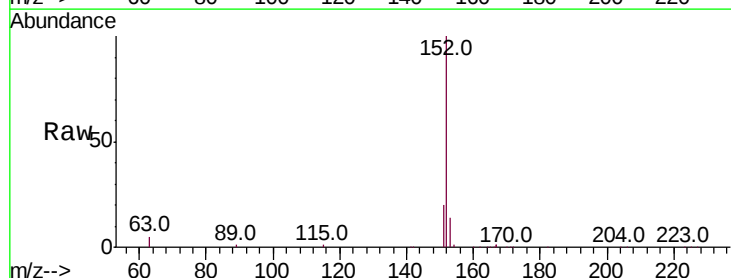


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

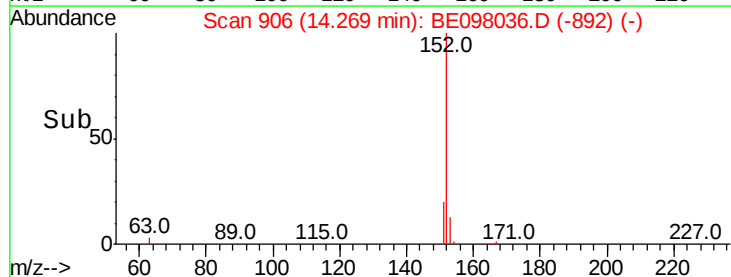
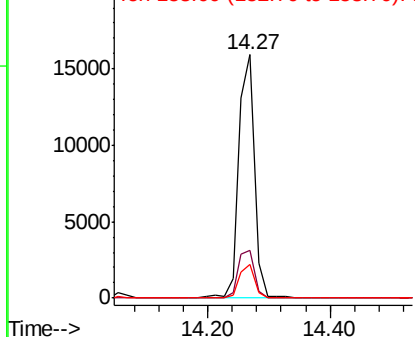


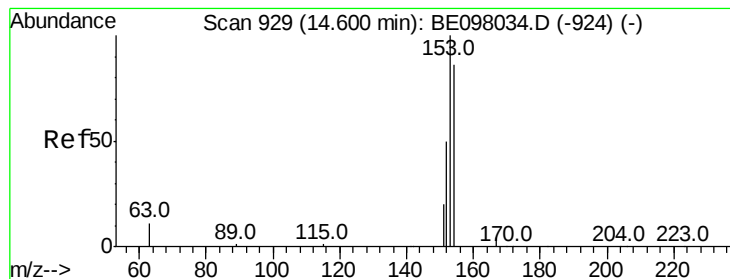
#16
Acenaphthylene
Concen: 1.546 ng
RT: 14.27 min Scan# 906
Delta R.T. 0.00 min
Lab File: BE098036.D
Acq: 24 Oct 2018 12:40

Tgt Ion:152 Resp: 28285
Ion Ratio Lower Upper
152 100
151 20.1 16.1 24.1
153 13.0 10.9 16.3



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: 1.508 ng

RT: 14.61 min Scan# 930

Delta R.T. 0.01 min

Lab File: BE098036.D

Acq: 24 Oct 2018 12:40

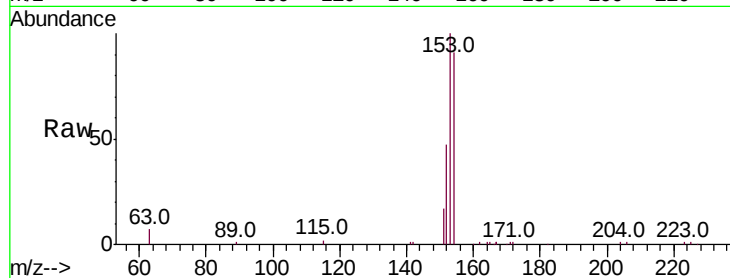
Instrument :

BNA_E

ClientSampleId :

Tot Ion:154 Resp: 16866

Ion	Ratio	Lower	Upper
154	100		
153	115.5	92.6	139.0
152	55.7	45.5	68.3

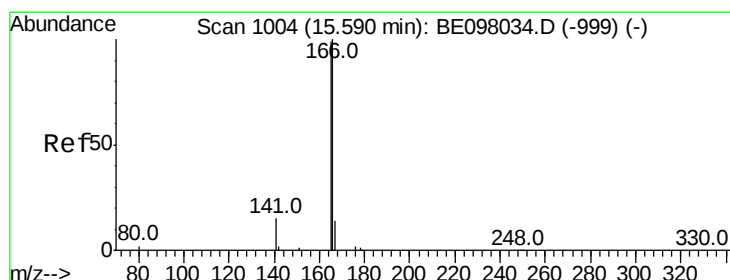
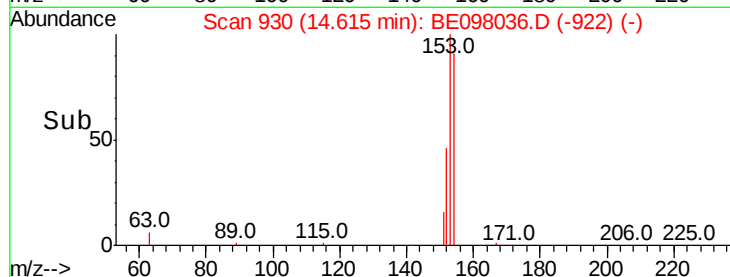
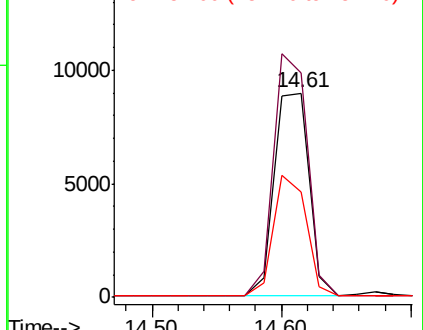


Abundance

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: 1.470 ng

RT: 15.58 min Scan# 1003

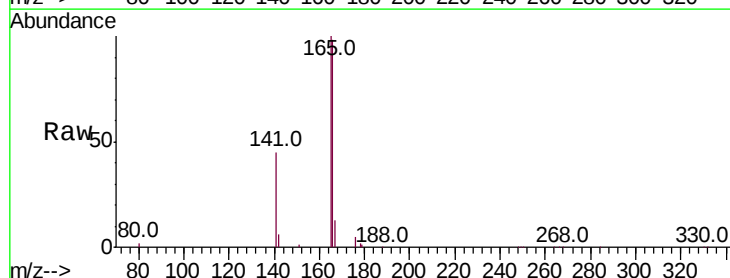
Delta R.T. -0.01 min

Lab File: BE098036.D

Acq: 24 Oct 2018 12:40

Tgt Ion:166 Resp: 22603

Ion	Ratio	Lower	Upper
166	100		
165	98.7	78.2	117.4
167	13.4	11.0	16.6

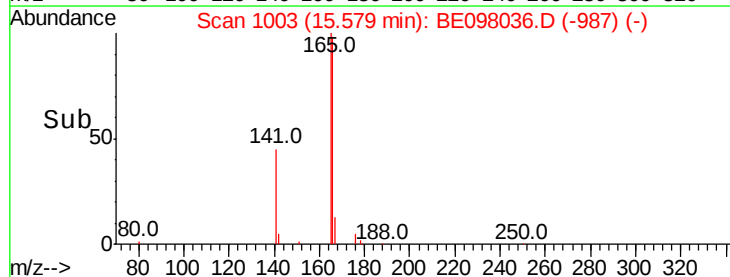
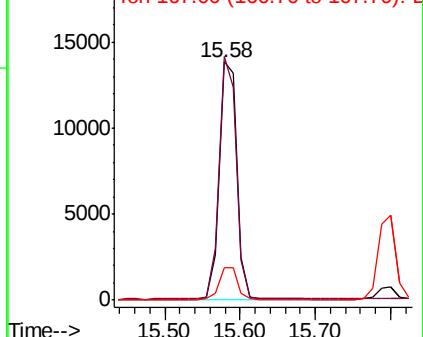


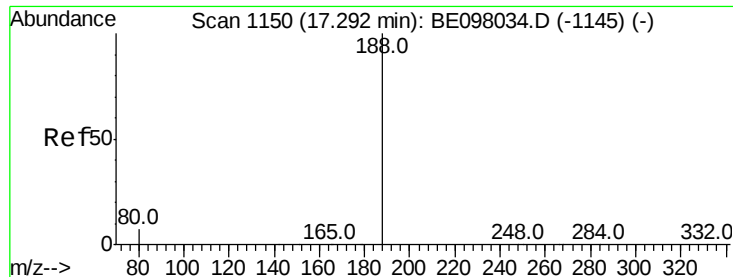
Abundance

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: 17.29 min Scan# 1150

Delta R.T. 0.00 min

Lab File: BE098036.D

Acq: 24 Oct 2018 12:40

Instrument :

BNA_E

ClientSampleId :

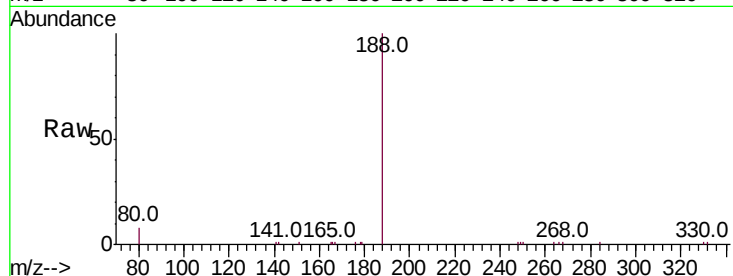
Tot Ion:188 Resp: 9244

Ion Ratio Lower Upper

188 100

94 0.0 0.0 0.0

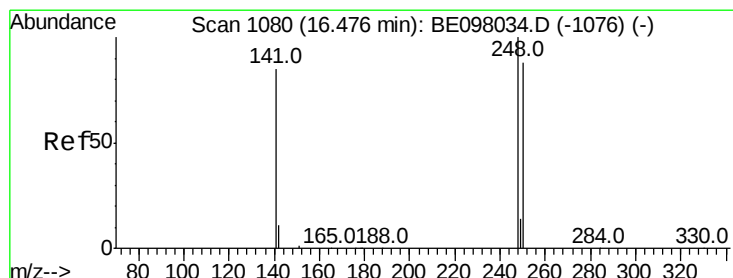
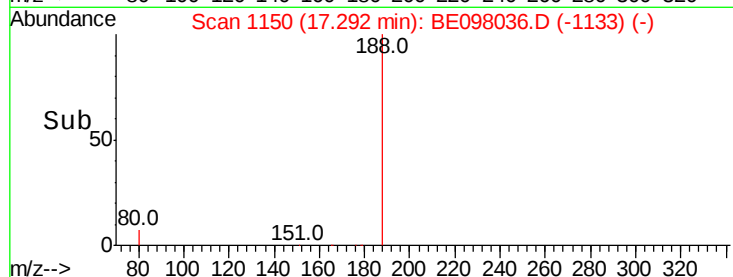
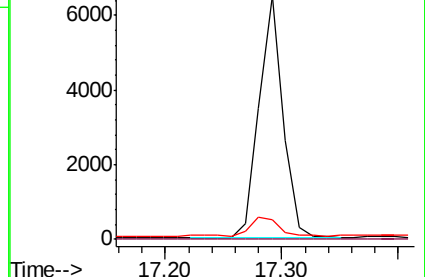
80 8.1 6.3 9.5



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: 1.776 ng

RT: 16.48 min Scan# 1080

Delta R.T. 0.00 min

Lab File: BE098036.D

Acq: 24 Oct 2018 12:40

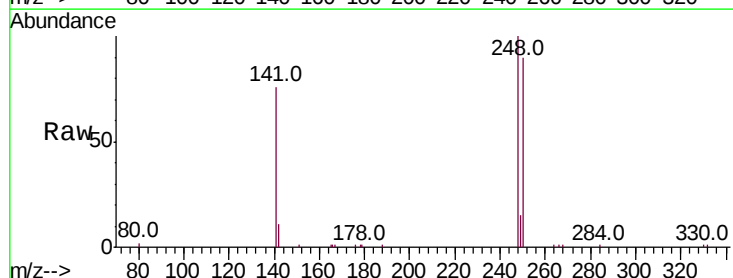
Tgt Ion:248 Resp: 8972

Ion Ratio Lower Upper

248 100

250 89.5 75.1 112.7

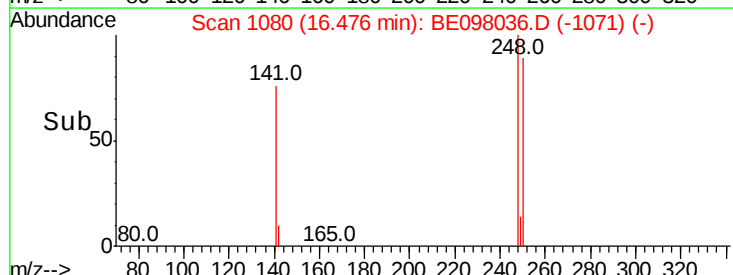
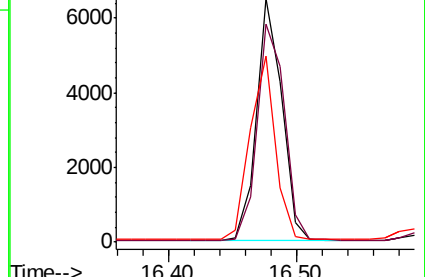
141 76.4 51.8 77.8

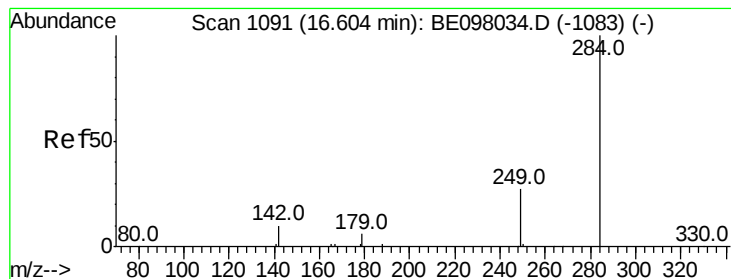


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E





#21

Hexachlorobenzene

Concen: 1.844 ng

RT: 16.59 min Scan# 1090

Delta R.T. -0.01 min

Lab File: BE098036.D

Acq: 24 Oct 2018 12:40

Instrument :

BNA_E

ClientSampleId :

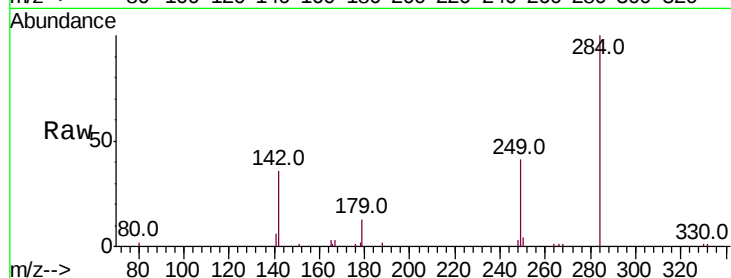
Tot Ion:284 Resp: 9158

Ion Ratio Lower Upper

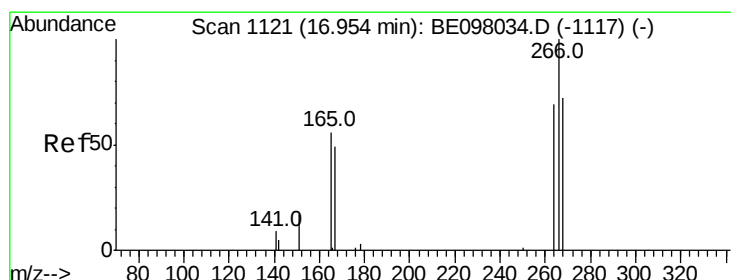
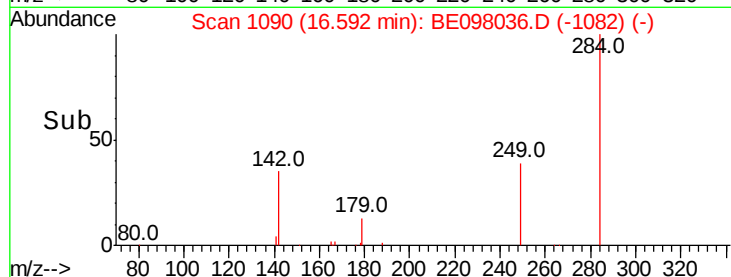
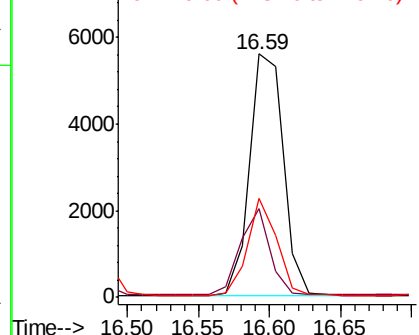
284 100

142 31.2 25.9 38.9

249 34.4 26.6 40.0



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: 0.544 ng

RT: 16.95 min Scan# 1121

Delta R.T. 0.00 min

Lab File: BE098036.D

Acq: 24 Oct 2018 12:40

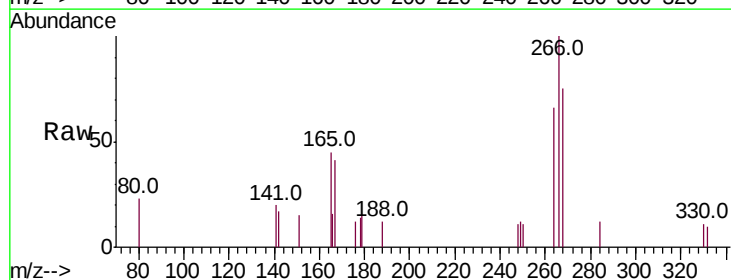
Tgt Ion:266 Resp: 781

Ion Ratio Lower Upper

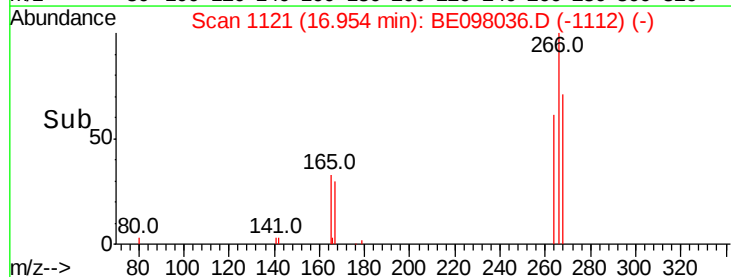
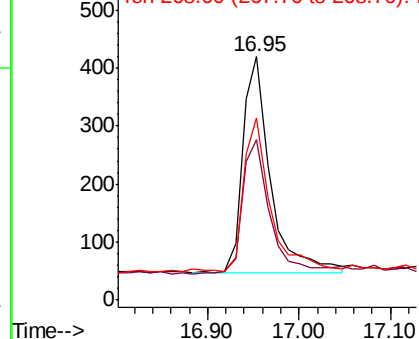
266 100

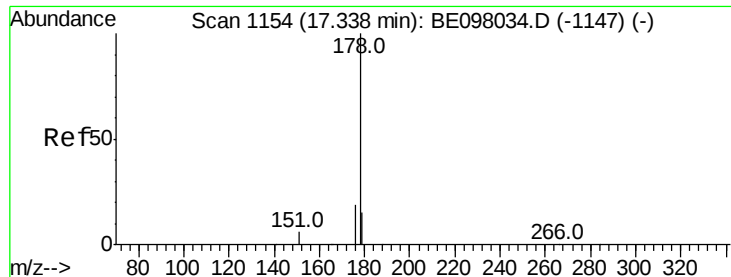
264 66.0 51.3 76.9

268 75.0 50.1 75.1



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: 1.501 ng

RT: 17.33 min Scan# 1153

Delta R.T. -0.01 min

Lab File: BE098036.D

Acq: 24 Oct 2018 12:40

Instrument :

BNA_E

ClientSampleId :

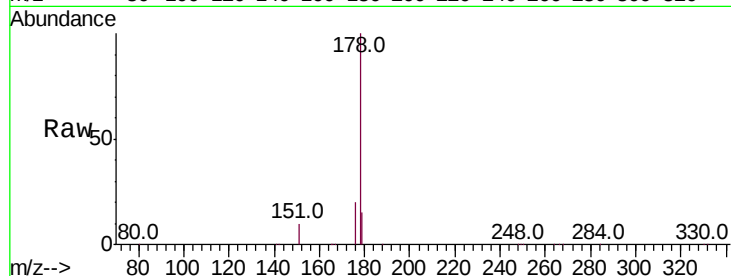
Tot Ion:178 Resp: 35258

Ion Ratio Lower Upper

178 100

176 19.5 15.5 23.3

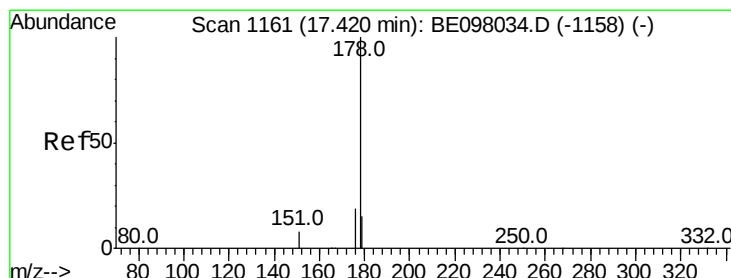
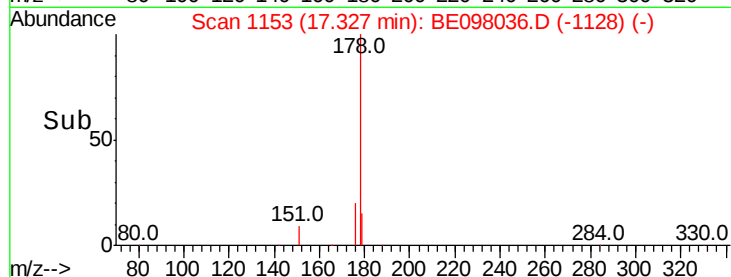
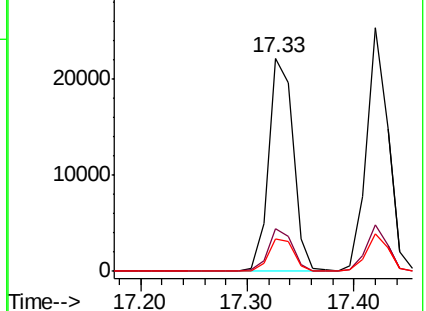
179 15.6 12.2 18.4



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: 1.589 ng

RT: 17.42 min Scan# 1161

Delta R.T. 0.00 min

Lab File: BE098036.D

Acq: 24 Oct 2018 12:40

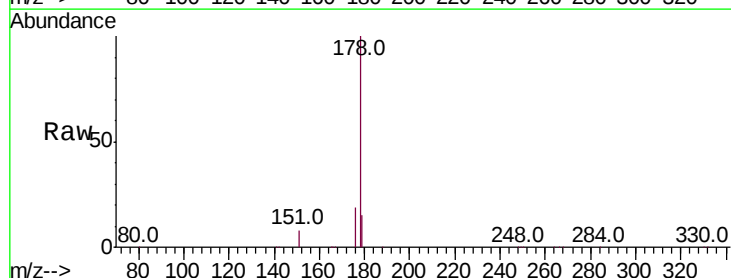
Tgt Ion:178 Resp: 35255

Ion Ratio Lower Upper

178 100

176 18.8 14.9 22.3

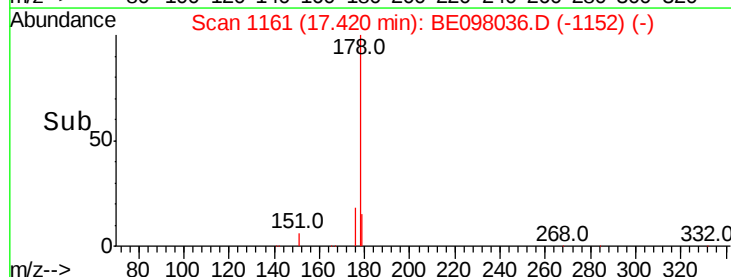
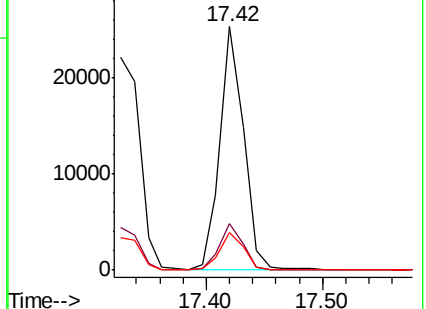
179 15.3 11.9 17.9

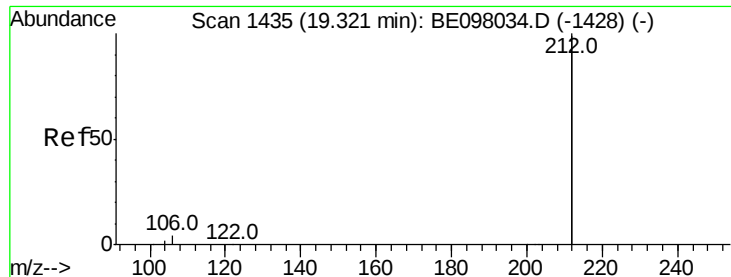


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#25

Fluoranthene-d10

Concen: 1.477 ng

RT: 19.32 min Scan# 1435

Delta R.T. 0.00 min

Lab File: BE098036.D

Acq: 24 Oct 2018 12:40

Instrument :

BNA_E

ClientSampleId :

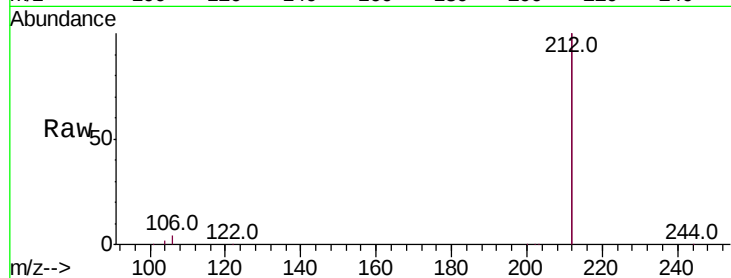
Tot Ion:212 Resp: 185036

Ion Ratio Lower Upper

212 100

106 2.1 2.3 3.5#

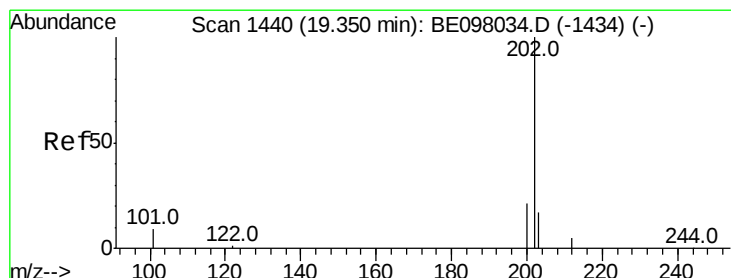
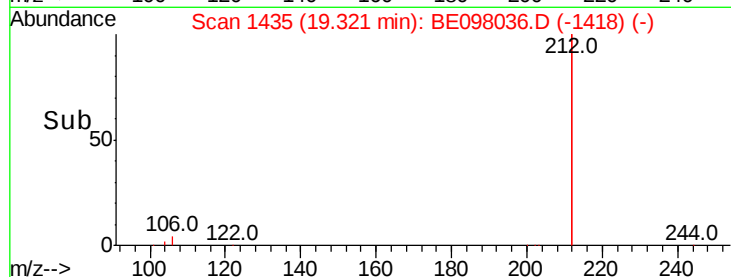
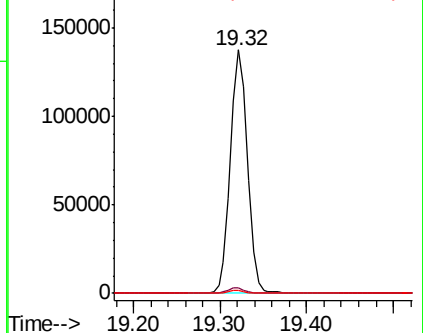
104 1.2 1.3 1.9#



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: 1.444 ng

RT: 19.35 min Scan# 1440

Delta R.T. 0.00 min

Lab File: BE098036.D

Acq: 24 Oct 2018 12:40

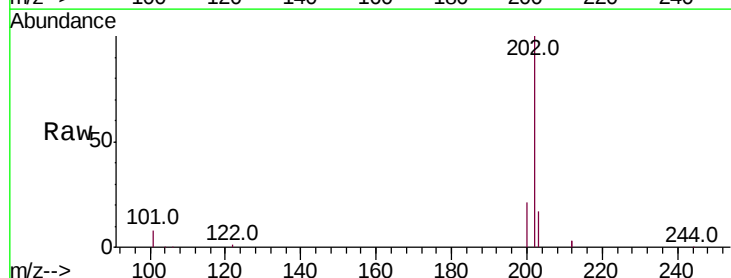
Tgt Ion:202 Resp: 44497

Ion Ratio Lower Upper

202 100

101 8.1 8.2 12.2#

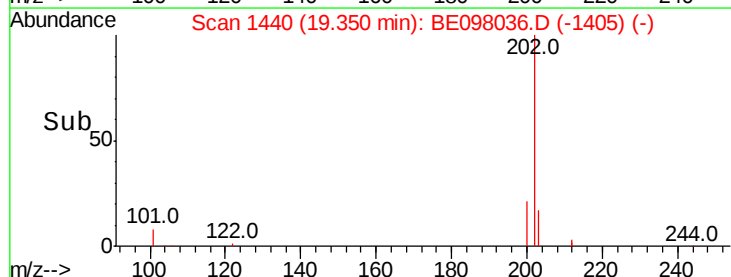
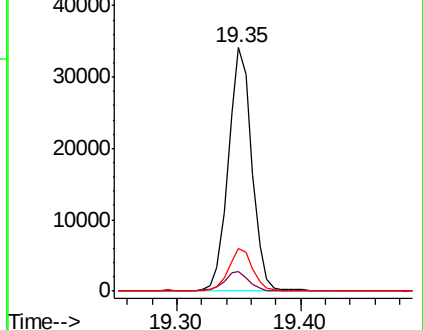
203 17.3 15.0 22.4

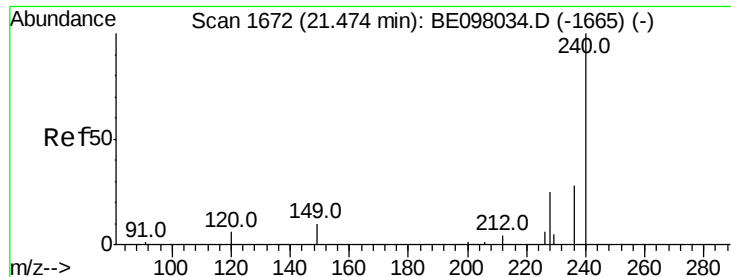


Abundance Ion 202.00 (201.70 to 202.70): E

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: 21.47 min Scan# 1672

Delta R.T. -0.00 min

Lab File: BE098036.D

Acq: 24 Oct 2018 12:40

Instrument :

BNA_E

ClientSampled :

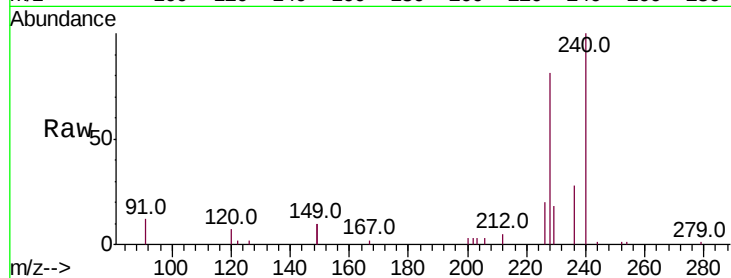
Tot Ion:240 Resp: 11009

Ion Ratio Lower Upper

240 100

120 7.3 7.1 10.7

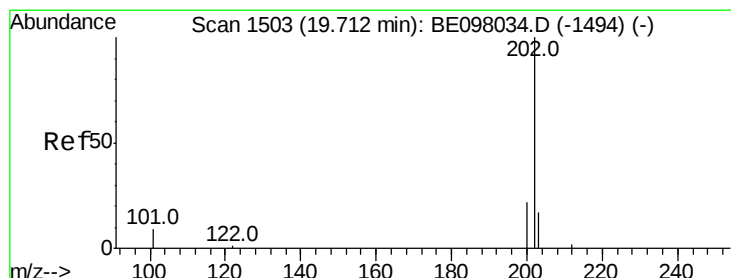
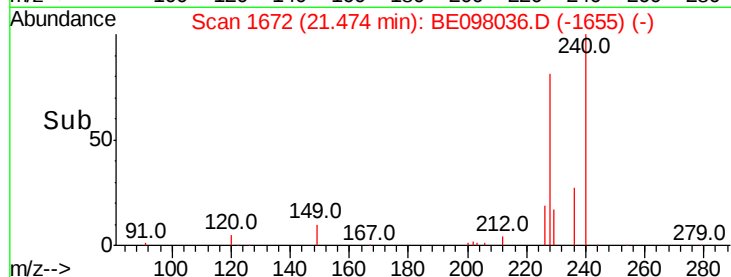
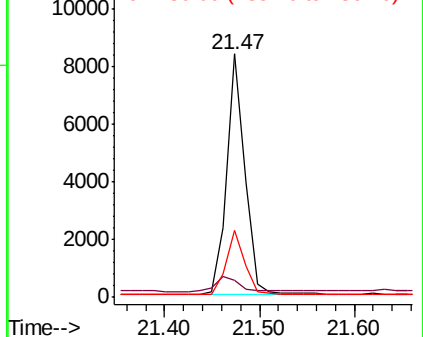
236 27.7 21.3 31.9



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: 1.465 ng

RT: 19.71 min Scan# 1503

Delta R.T. 0.00 min

Lab File: BE098036.D

Acq: 24 Oct 2018 12:40

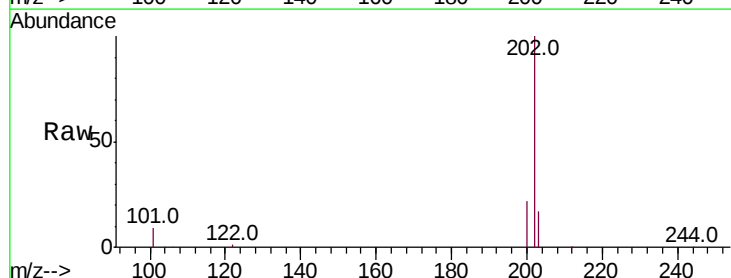
Tgt Ion:202 Resp: 46529

Ion Ratio Lower Upper

202 100

200 21.3 17.0 25.4

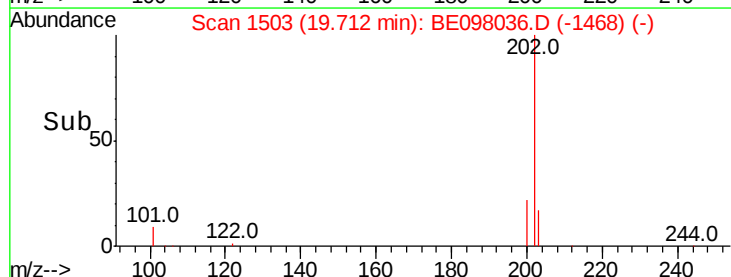
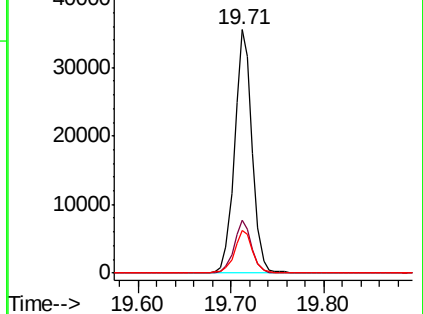
203 17.8 14.2 21.4

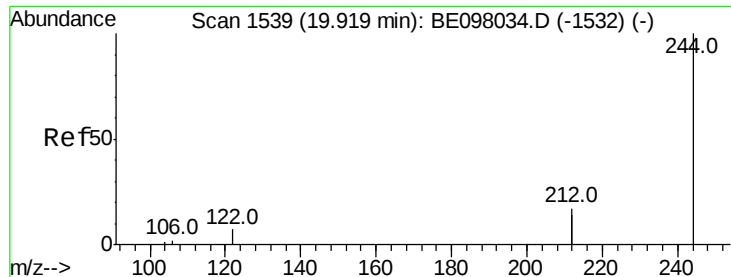


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#29

Terphenyl-d14

Concen: 1.522 ng

RT: 19.92 min Scan# 1539

Delta R.T. 0.00 min

Lab File: BE098036.D

Acq: 24 Oct 2018 12:40

Instrument :

BNA_E

ClientSampleId :

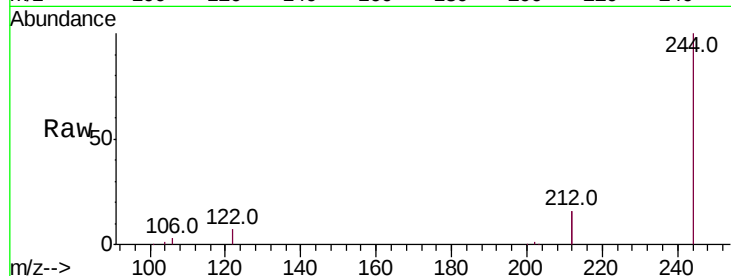
Tot Ion:244 Resp: 38393

Ion Ratio Lower Upper

244 100

212 32.5 26.2 39.2

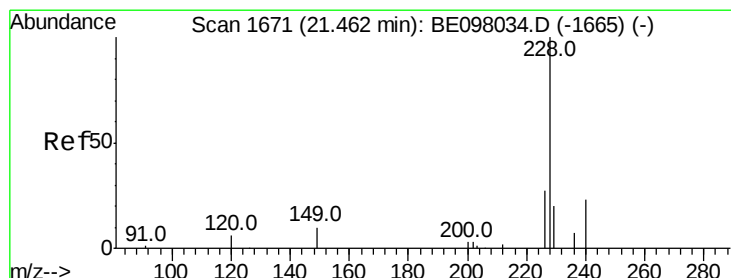
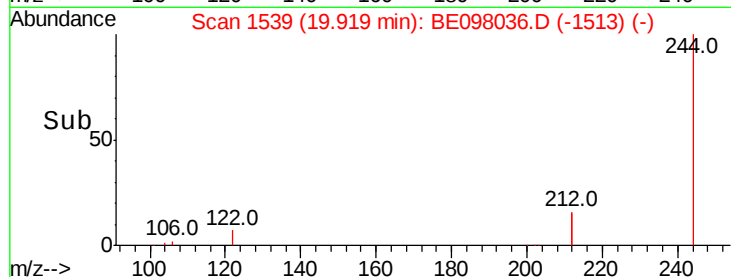
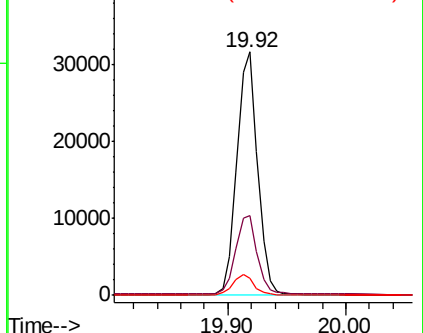
122 6.9 7.7 11.5#



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: 1.483 ng

RT: 21.46 min Scan# 1671

Delta R.T. -0.00 min

Lab File: BE098036.D

Acq: 24 Oct 2018 12:40

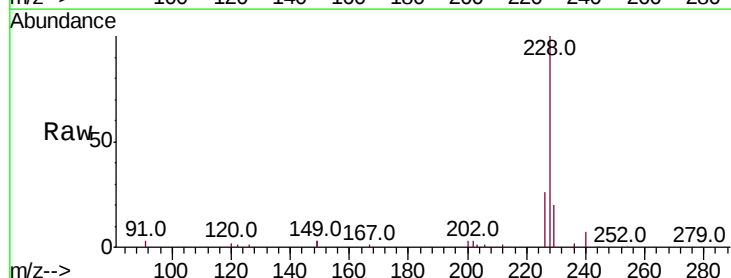
Tgt Ion:228 Resp: 50086

Ion Ratio Lower Upper

228 100

226 25.6 22.6 33.8

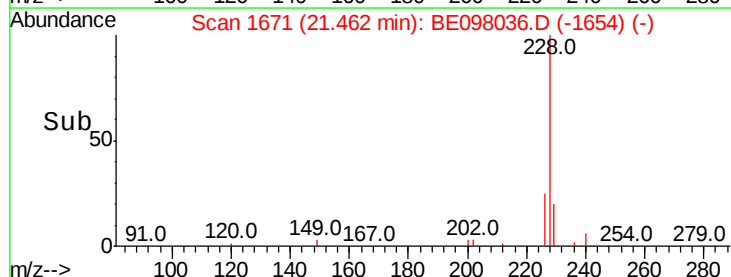
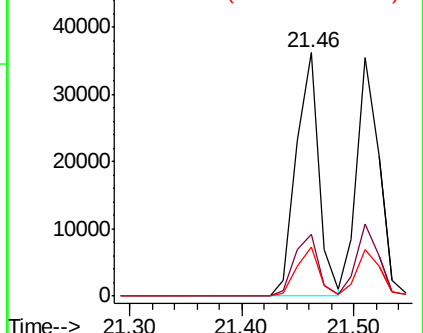
229 20.1 16.9 25.3

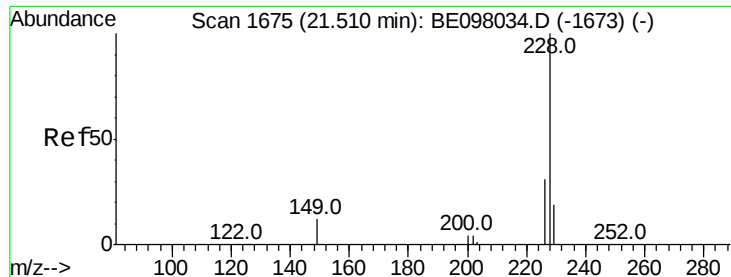


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#31

Chrysene

Concen: 1.517 ng

RT: 21.51 min Scan# 1675

Delta R.T. -0.00 min

Lab File: BE098036.D

Acq: 24 Oct 2018 12:40

Instrument :

BNA_E

ClientSampled :

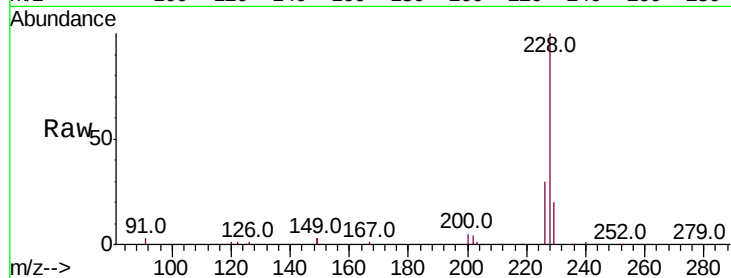
Tot Ion:228 Resp: 48527

Ion Ratio Lower Upper

228 100

226 30.5 24.3 36.5

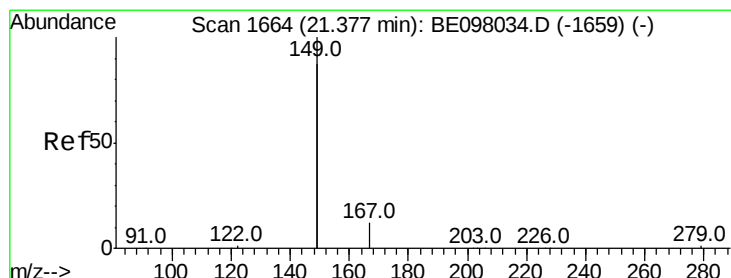
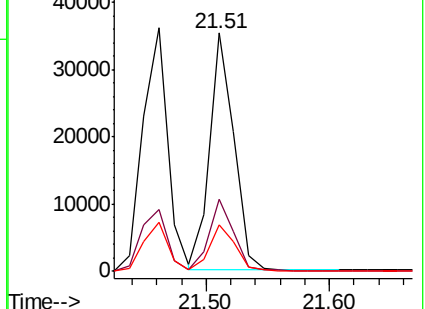
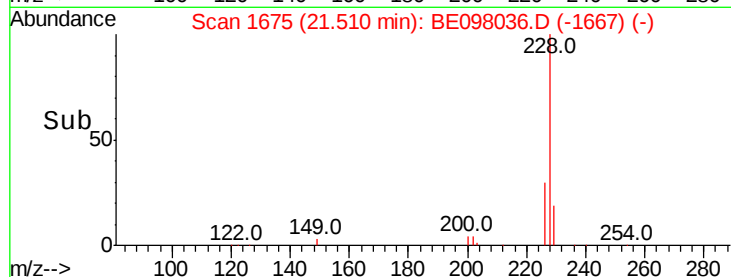
229 19.5 17.3 25.9



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: 1.452 ng

RT: 21.38 min Scan# 1664

Delta R.T. -0.00 min

Lab File: BE098036.D

Acq: 24 Oct 2018 12:40

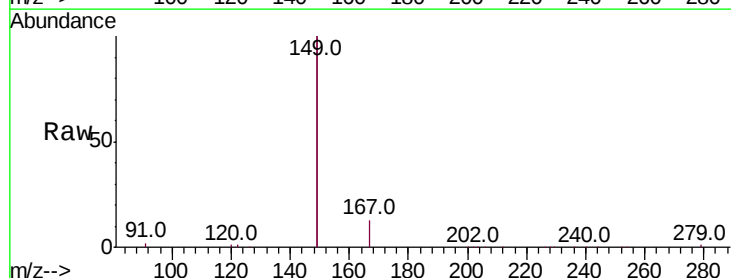
Tgt Ion:149 Resp: 114495

Ion Ratio Lower Upper

149 100

167 7.1 5.6 8.4

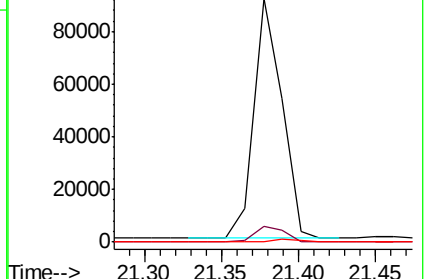
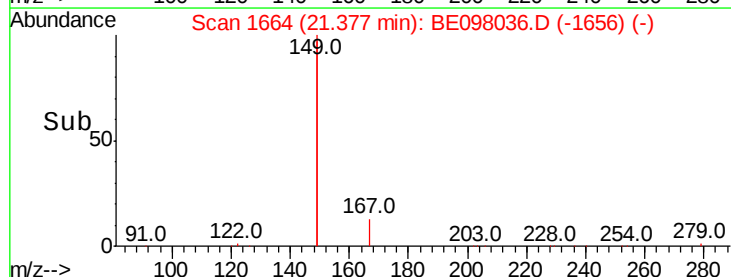
279 1.2 0.9 1.3

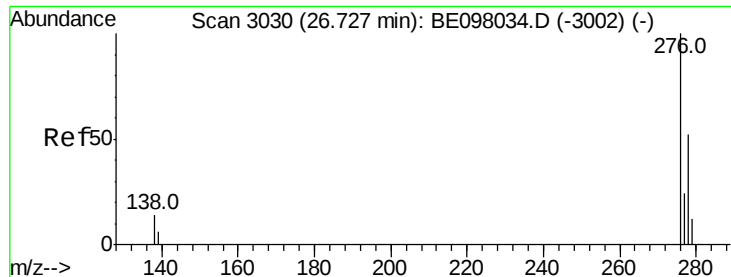


Abundance Ion 149.00 (148.70 to 149.70): E

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: 1.545 ng

RT: 26.72 min Scan# 3028

Delta R.T. -0.01 min

Lab File: BE098036.D

Acq: 24 Oct 2018 12:40

Instrument :

BNA_E

ClientSampleId :

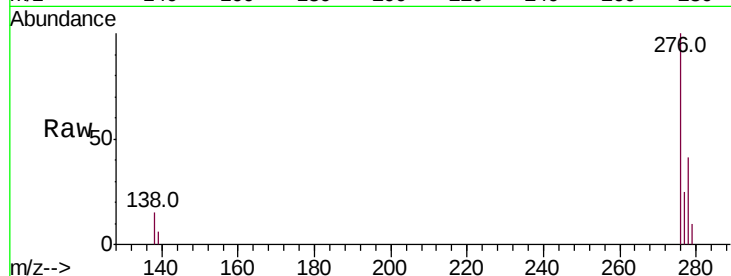
Tot Ion:276 Resp: 53079

Ion Ratio Lower Upper

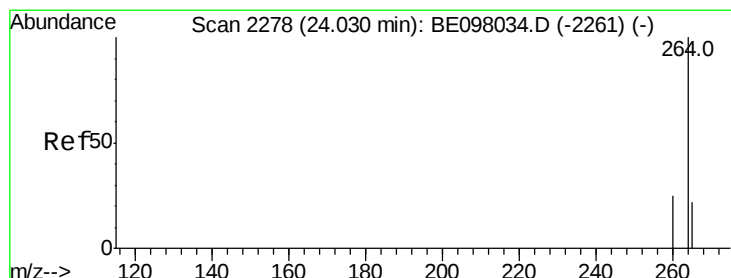
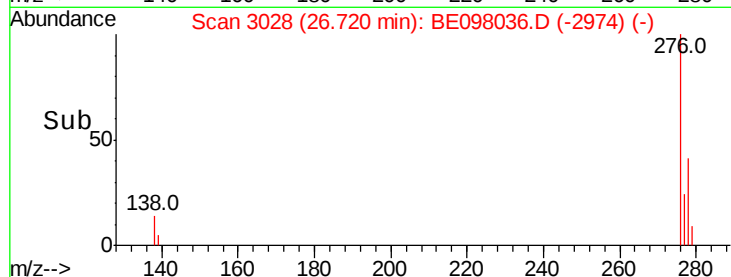
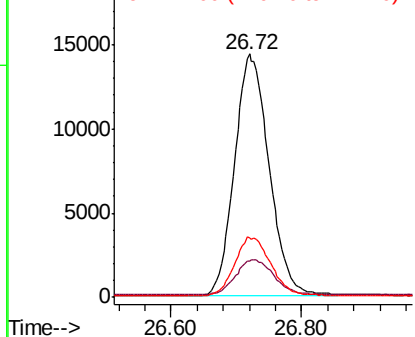
276 100

138 15.8 17.0 25.6#

277 25.3 20.5 30.7



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: 24.03 min Scan# 2277

Delta R.T. -0.00 min

Lab File: BE098036.D

Acq: 24 Oct 2018 12:40

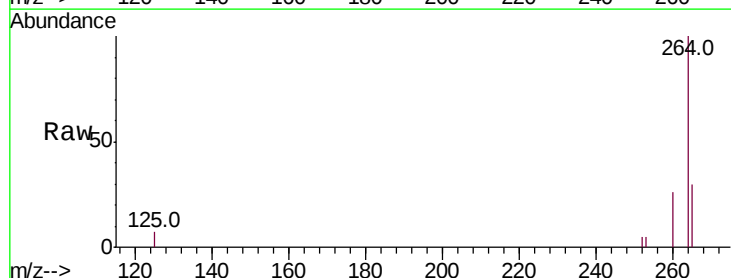
Tgt Ion:264 Resp: 10618

Ion Ratio Lower Upper

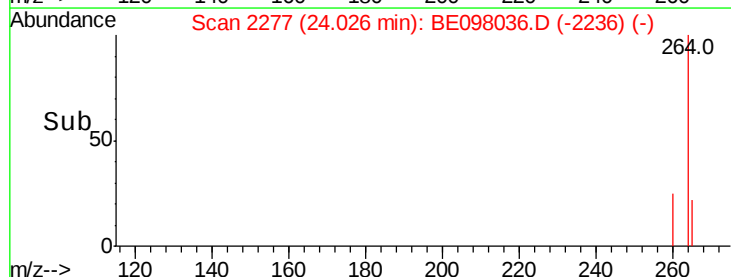
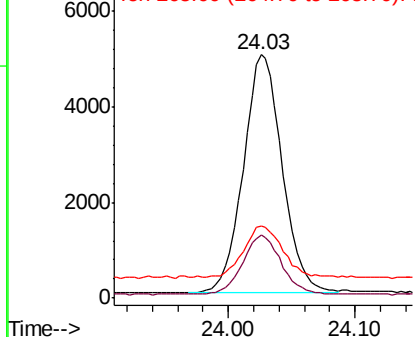
264 100

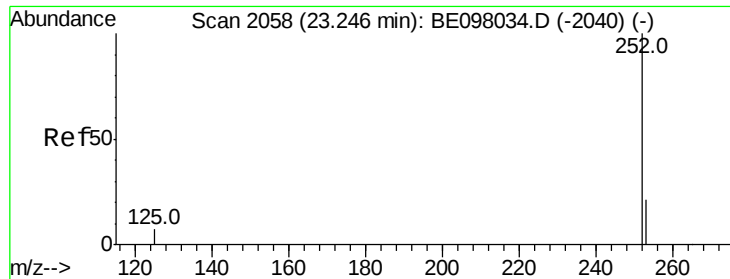
260 26.1 21.1 31.7

265 29.7 29.2 43.8



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: 1.500 ng

RT: 23.24 min Scan# 2057

Delta R.T. -0.00 min

Lab File: BE098036.D

Acq: 24 Oct 2018 12:40

Instrument :

BNA_E

ClientSampleId :

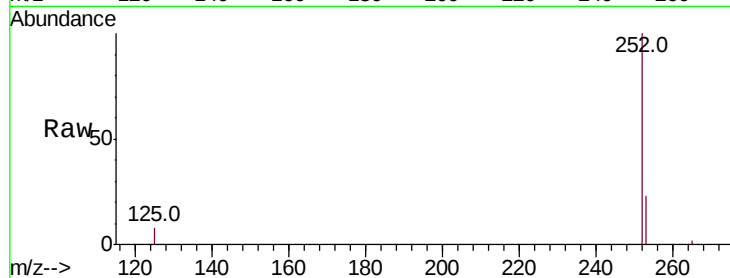
Tot Ion:252 Resp: 45836

Ion Ratio Lower Upper

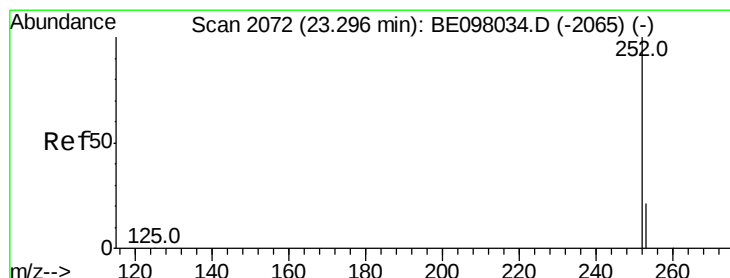
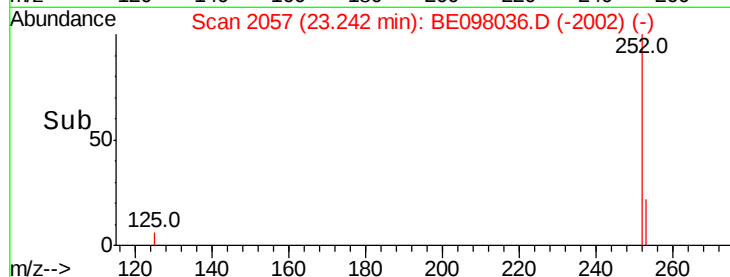
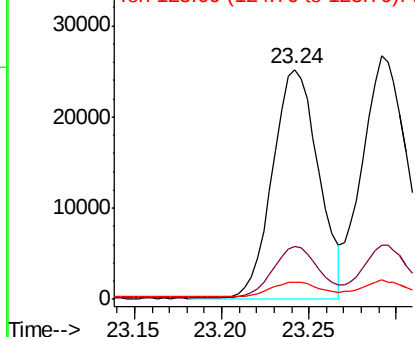
252 100

253 23.2 20.6 31.0

125 7.7 14.3 21.5#



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: 1.538 ng

RT: 23.29 min Scan# 2071

Delta R.T. -0.00 min

Lab File: BE098036.D

Acq: 24 Oct 2018 12:40

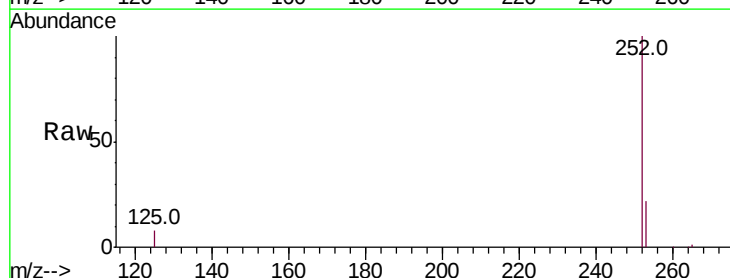
Tgt Ion:252 Resp: 48961

Ion Ratio Lower Upper

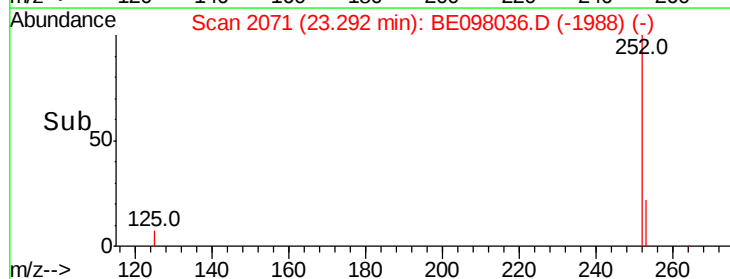
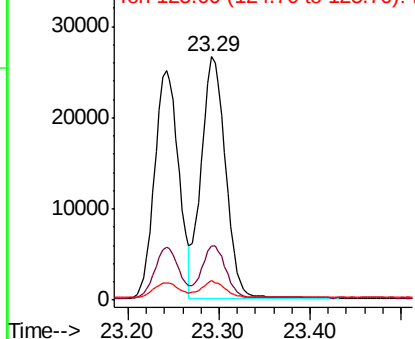
252 100

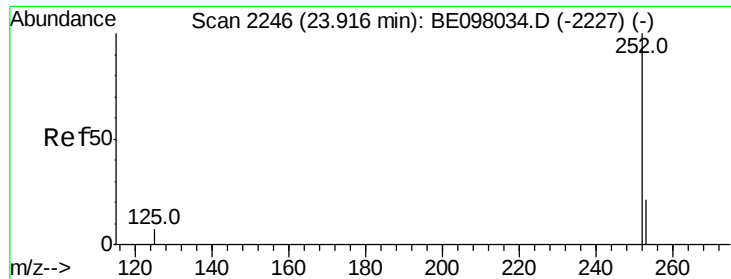
253 22.4 20.4 30.6

125 8.0 14.6 21.8#



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





#37

Benzo(a)pyrene

Concen: 1.523 ng

RT: 23.91 min Scan# 2245

Delta R.T. -0.00 min

Lab File: BE098036.D

Acq: 24 Oct 2018 12:40

Instrument :

BNA_E

ClientSampleId :

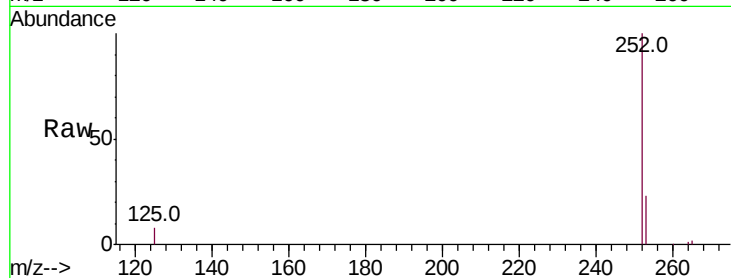
Tot Ion:252 Resp: 45372

Ion Ratio Lower Upper

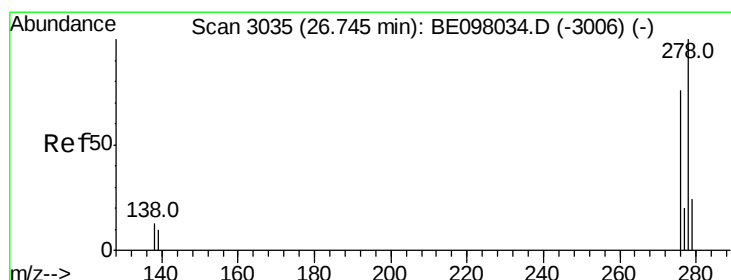
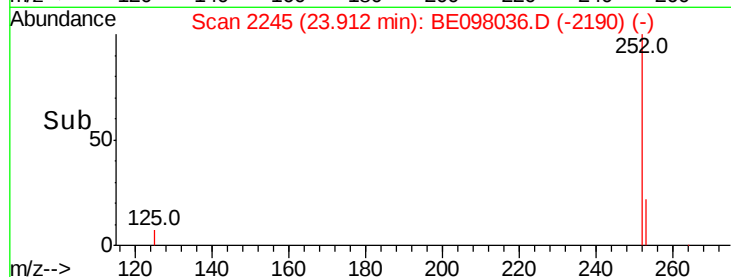
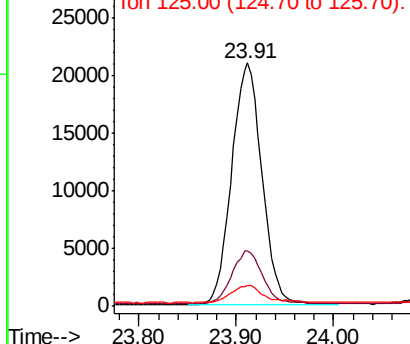
252 100

253 22.8 20.6 31.0

125 8.5 15.6 23.4#



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



#38

Dibenzo(a,h)anthracene

Concen: 1.533 ng

RT: 26.75 min Scan# 3037

Delta R.T. 0.01 min

Lab File: BE098036.D

Acq: 24 Oct 2018 12:40

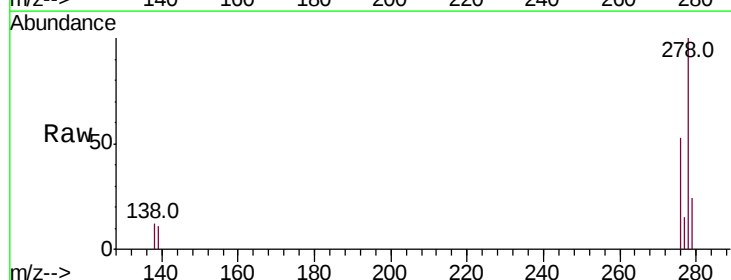
Tgt Ion:278 Resp: 44710

Ion Ratio Lower Upper

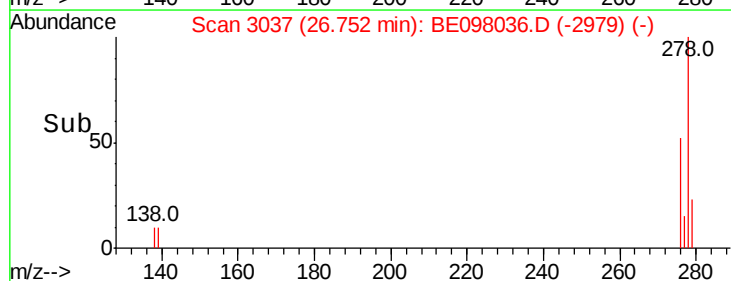
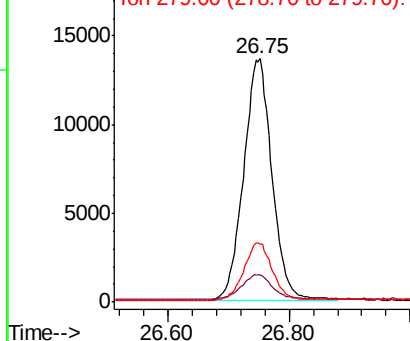
278 100

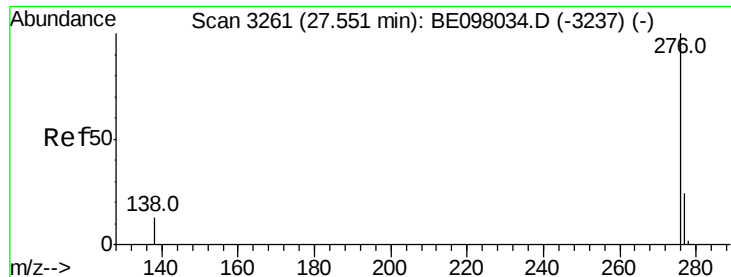
139 11.2 16.3 24.5#

279 23.9 21.4 32.2



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: 1.481 ng

RT: 27.55 min Scan# 3262

Delta R.T. 0.00 min

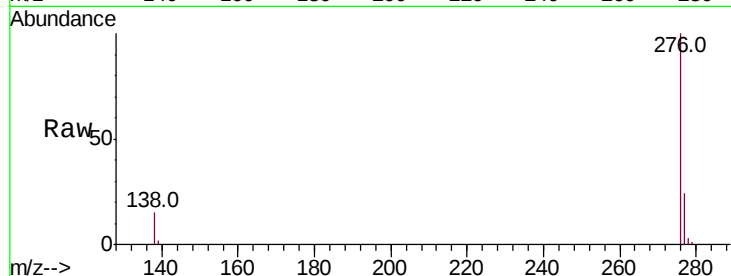
Lab File: BE098036.D

Acq: 24 Oct 2018 12:40

Instrument :

BNA_E

ClientSampleId :



Tot Ion:276 Resp: 44264

Ion Ratio Lower Upper

276 100

277 24.0 22.1 33.1

138 14.5 19.3 28.9#

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

