

Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE102418\
 Data File : BE098034.D
 Acq On : 24 Oct 2018 11:25
 Operator : SJ/JU
 Sample : SSTDICCC0.4
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :

Quant Time: Oct 24 11:58:05 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	1233	0.40	ng	0.00
7) Naphthalene-d8	10.68	136	5908	0.40	ng	0.00
13) Acenaphthene-d10	14.54	164	4015	0.40	ng	0.00
19) Phenanthrene-d10	17.29	188	9668	0.40	ng	0.00
27) Chrysene-d12	21.47	240	11752	0.40	ng	0.00
34) Perylene-d12	24.03	264	11490	0.40	ng	0.00

System Monitoring Compounds						
4) 2-Fluorophenol	5.47	112	1440	0.37	ng	0.00
5) Phenol-d6	7.06	99	2411	0.42	ng	0.00
8) Nitrobenzene-d5	9.03	82	2418	0.43	ng	0.00
11) 2-Methylnaphthalene-d10	12.28	152	3983	0.41	ng	0.00
14) 2,4,6-Tribromophenol	16.03	330	754	0.35	ng	0.00
15) 2-Fluorobiphenyl	13.16	172	6090	0.37	ng	0.00
25) Fluoranthene-d10	19.32	212	47680	0.36	ng	0.00
29) Terphenyl-d14	19.92	244	9993	0.37	ng	0.00

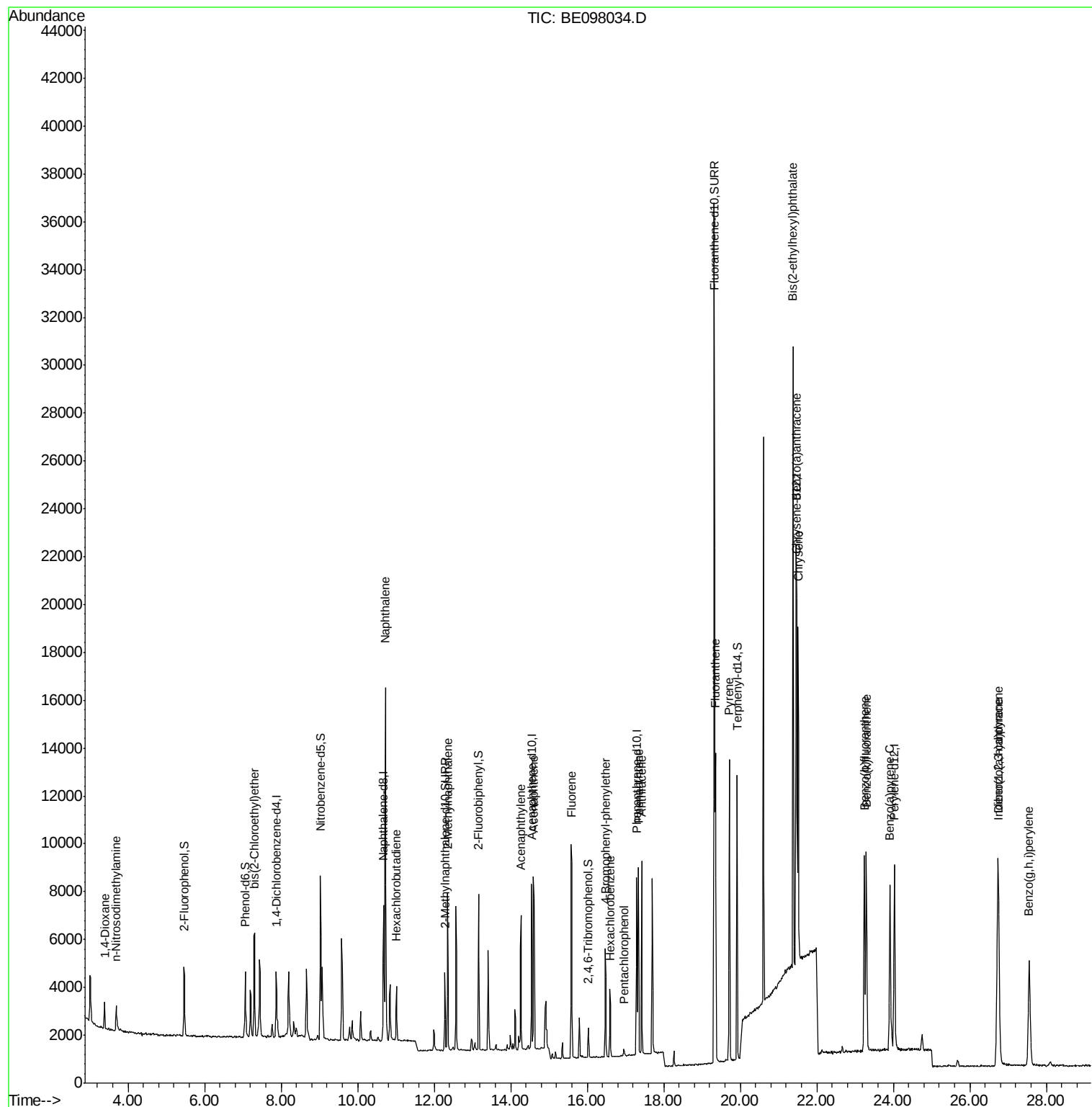
Target Compounds				Qvalue		
2) 1,4-Dioxane	3.38	88	708	0.329	ng	96
3) n-Nitrosodimethylamine	3.70	42	958	0.399	ng	# 80
6) bis(2-Chloroethyl)ether	7.30	93	1686	0.345	ng	97
9) Naphthalene	10.73	128	22773	0.387	ng	100
10) Hexachlorobutadiene	11.02	225	1515	0.478	ng	98
12) 2-Methylnaphthalene	12.35	142	4169	0.414	ng	97
16) Acenaphthylene	14.27	152	6921	0.373	ng	99
17) Acenaphthene	14.60	154	4267	0.376	ng	98
18) Fluorene	15.59	166	5678	0.364	ng	97
20) 4-Bromophenyl-phenylether	16.48	248	2307	0.437	ng	# 85
21) Hexachlorobenzene	16.60	284	2350	0.452	ng	98
22) Pentachlorophenol	16.95	266	183	0.122	ng	# 78
23) Phenanthrene	17.34	178	9131	0.372	ng	100
24) Anthracene	17.42	178	8821	0.380	ng	99
26) Fluoranthene	19.35	202	11389	0.353	ng	96
28) Pyrene	19.71	202	11978	0.353	ng	100
30) Benzo(a)anthracene	21.46	228	12826	0.356	ng	99
31) Chrysene	21.51	228	12586	0.369	ng	97
32) Bis(2-ethylhexyl)phthalate	21.38	149	30518	0.363	ng	100
33) Indeno(1,2,3-cd)pyrene	26.73	276	13693	0.373	ng	96
35) Benzo(b)fluoranthene	23.25	252	12167	0.368	ng	# 93
36) Benzo(k)fluoranthene	23.30	252	12429	0.361	ng	# 93
37) Benzo(a)pyrene	23.92	252	11770	0.365	ng	# 93
38) Dibenzo(a,h)anthracene	26.75	278	11628	0.368	ng	# 95
39) Benzo(g,h,i)perylene	27.55	276	11466	0.355	ng	# 93

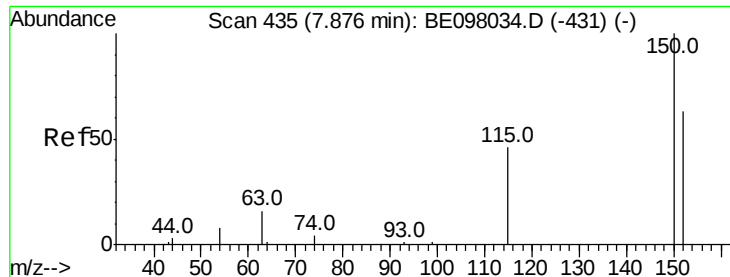
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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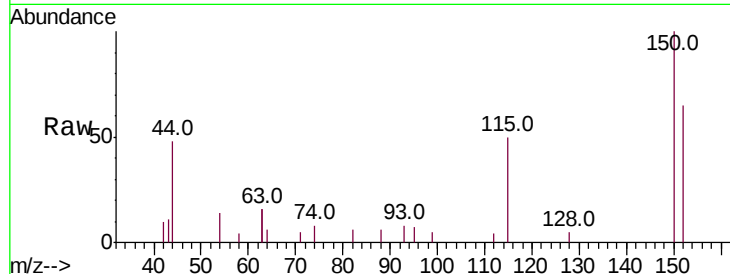




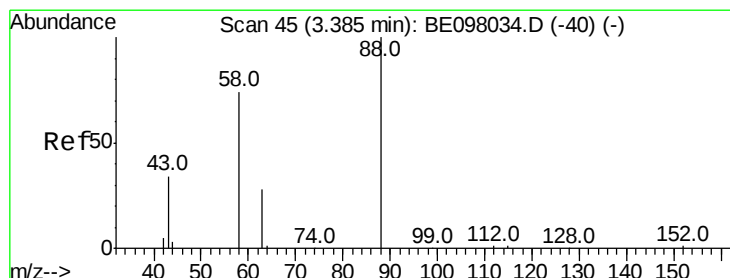
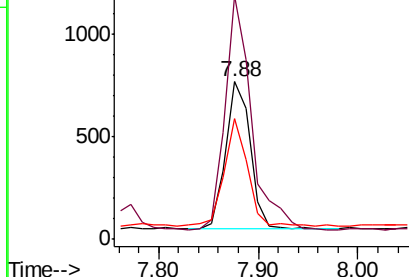
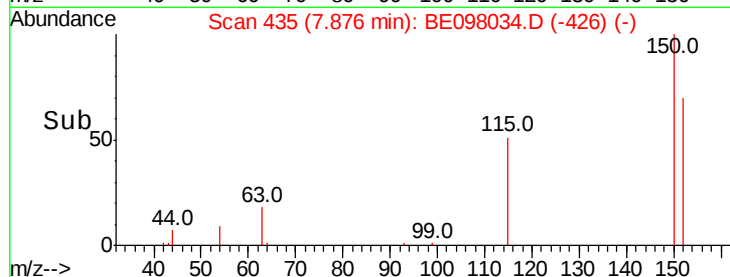
#1
 1,4-Dichlorobenzene-d4
 Concen: 0.400 ng
 RT: 7.88 min Scan# 435
 Delta R.T. 0.00 min
 Lab File: BE098034.D
 Acq: 24 Oct 2018 11:25

Instrument :
 BNA_E
 ClientSampleId :

Tot Ion:152 Resp: 1233
 Ion Ratio Lower Upper
 152 100
 150 154.4 118.2 177.4
 115 76.9 50.9 76.3#

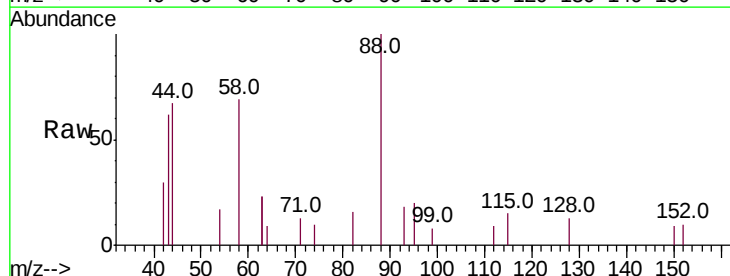


Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E

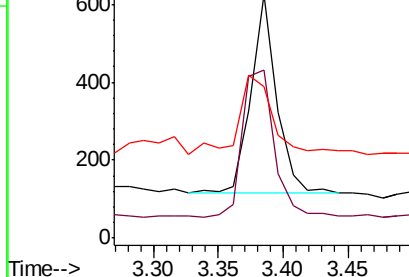
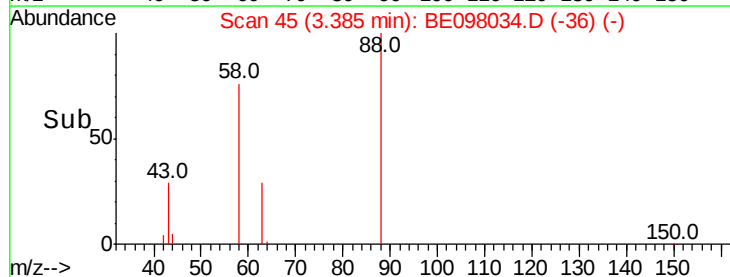


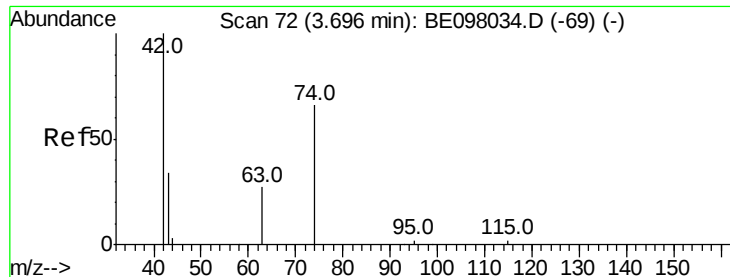
#2
 1,4-Dioxane
 Concen: 0.329 ng
 RT: 3.38 min Scan# 45
 Delta R.T. 0.00 min
 Lab File: BE098034.D
 Acq: 24 Oct 2018 11:25

Tgt Ion: 88 Resp: 708
 Ion Ratio Lower Upper
 88 100
 58 89.5 73.2 109.8
 43 41.0 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

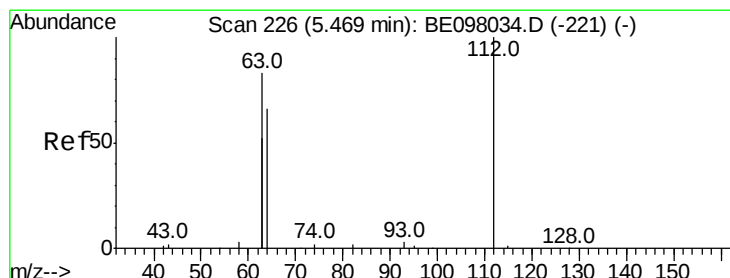
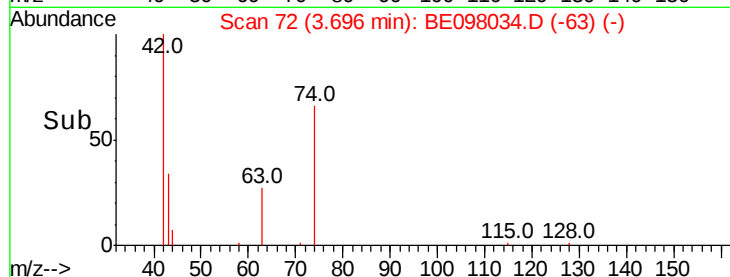
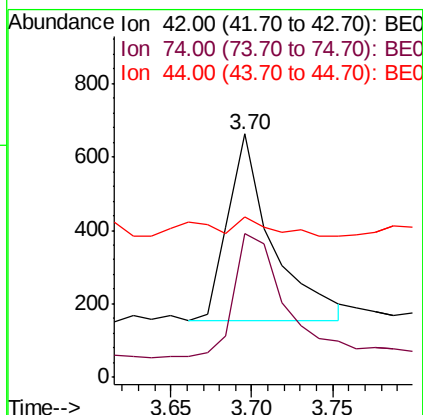
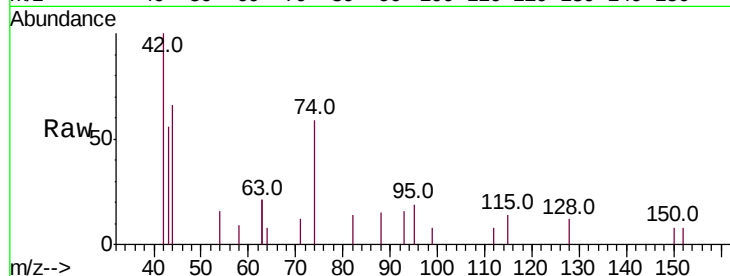




#3
n-Nitrosodimethylamine
Concen: 0.399 ng
RT: 3.70 min Scan# 72
Delta R.T. 0.00 min
Lab File: BE098034.D
Acq: 24 Oct 2018 11:25

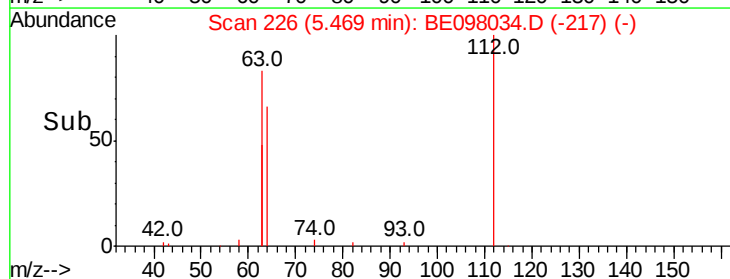
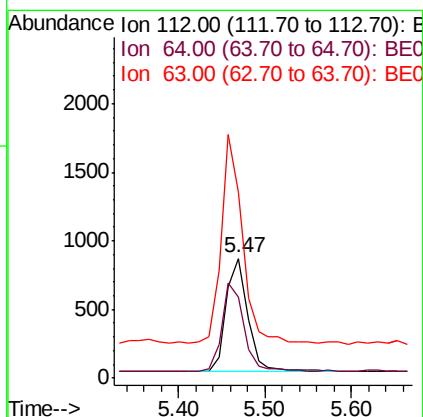
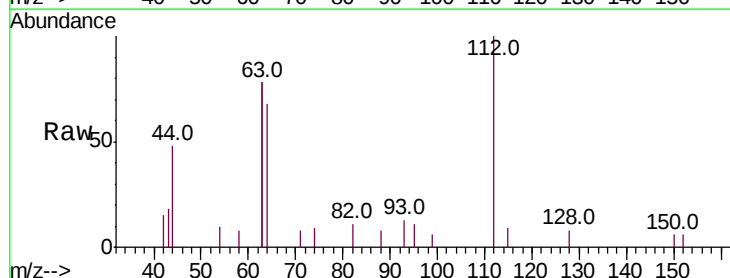
Instrument :
BNA_E
ClientSampled :

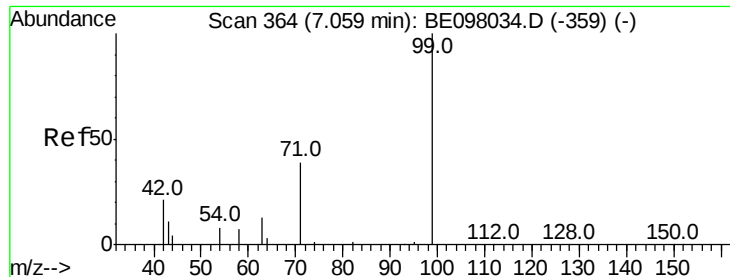
Tot Ion: 42 Resp: 958
Ion Ratio Lower Upper
42 100
74 75.4 77.6 116.4#
44 7.9 7.6 11.4



#4
2-Fluorophenol
Concen: 0.370 ng
RT: 5.47 min Scan# 226
Delta R.T. 0.00 min
Lab File: BE098034.D
Acq: 24 Oct 2018 11:25

Tgt Ion: 112 Resp: 1440
Ion Ratio Lower Upper
112 100
64 79.9 58.9 88.3
63 181.5 120.3 180.5#





#5

Phenol-d6

Concen: 0.420 ng

RT: 7.06 min Scan# 364

Delta R.T. 0.00 min

Lab File: BE098034.D

Acq: 24 Oct 2018 11:25

Instrument :

BNA_E

ClientSampleId :

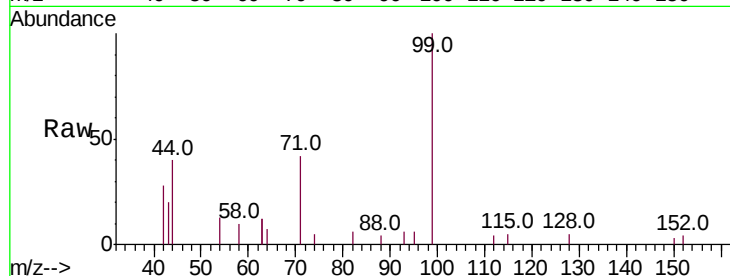
Tot Ion: 99 Resp: 2411

Ion Ratio Lower Upper

99 100

42 32.1 19.9 29.9#

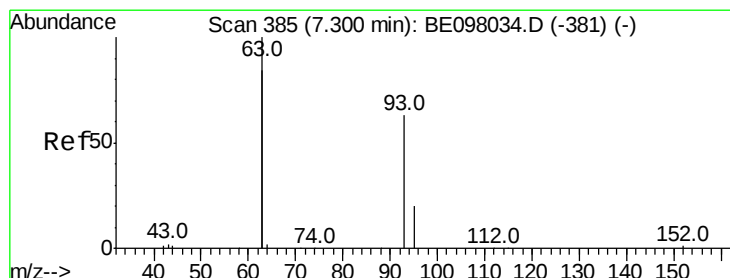
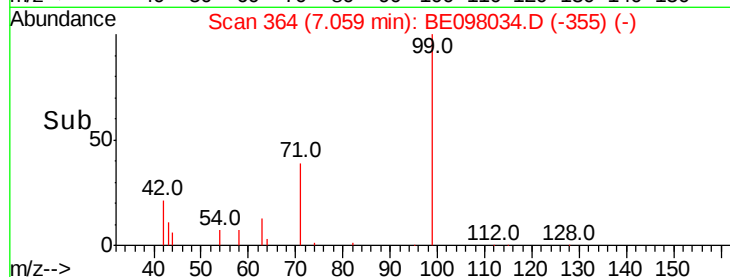
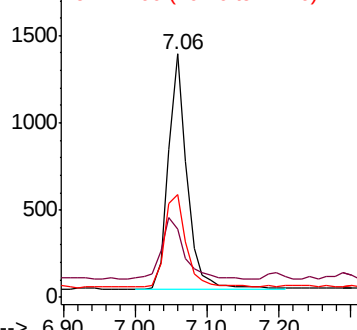
71 45.4 27.8 41.8#



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: 0.345 ng

RT: 7.30 min Scan# 385

Delta R.T. 0.00 min

Lab File: BE098034.D

Acq: 24 Oct 2018 11:25

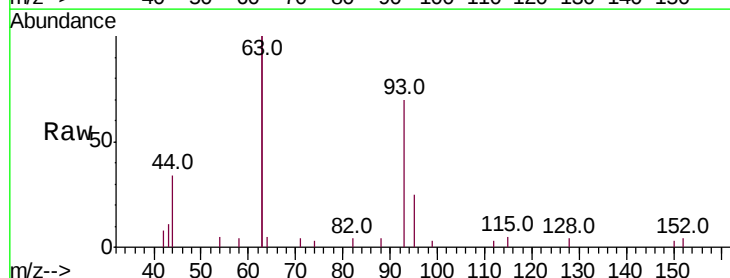
Tgt Ion: 93 Resp: 1686

Ion Ratio Lower Upper

93 100

63 329.5 259.0 388.4

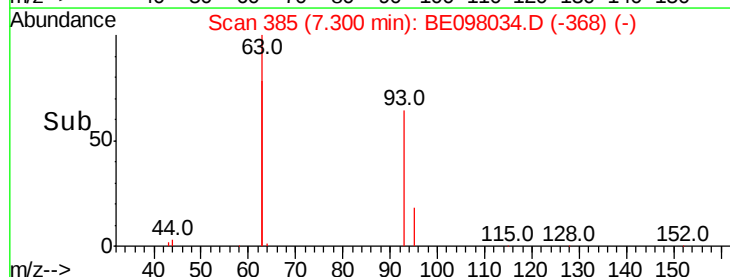
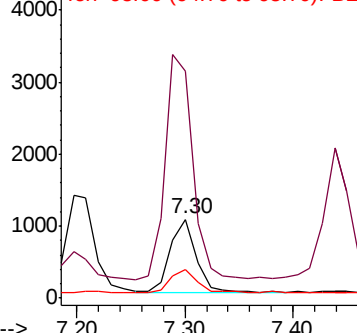
95 34.3 27.8 41.8

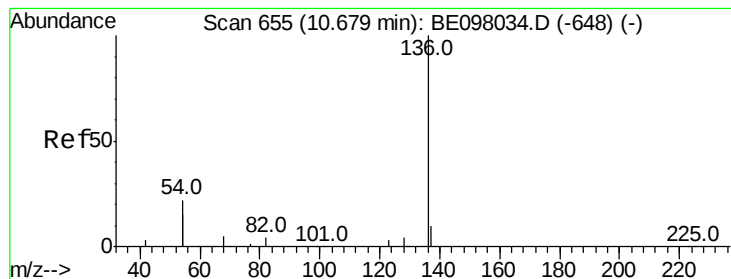


Abundance Ion 93.00 (92.70 to 93.70): BE0

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: BE098034.D

Acq: 24 Oct 2018 11:25

Instrument :

BNA_E

ClientSampled :

Tot Ion:136 Resp: 5908

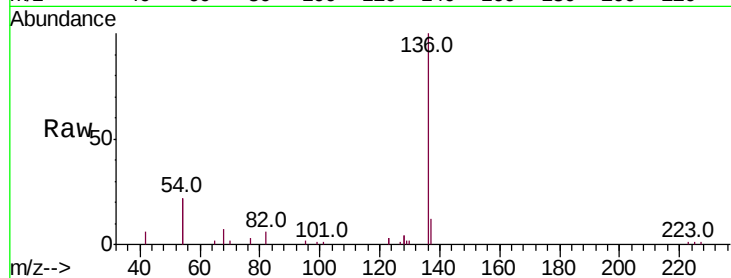
Ion Ratio Lower Upper

136 100

137 11.7 9.6 14.4

54 44.1 27.7 41.5#

68 6.6 5.3 7.9

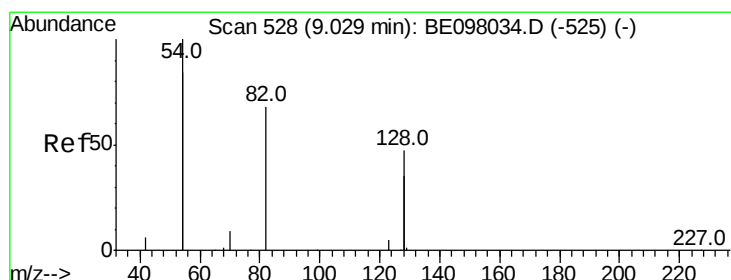
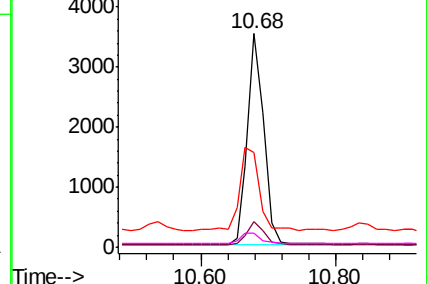
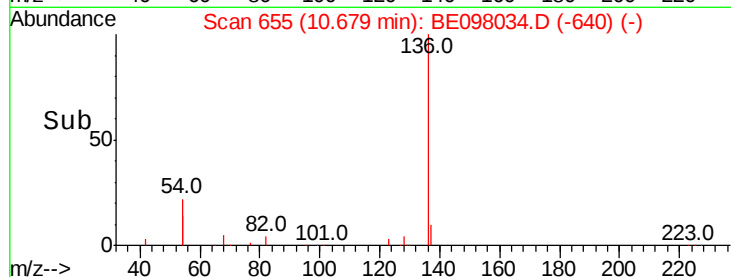


Abundance Ion 136.00 (135.70 to 136.70): E

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: 0.432 ng

RT: 9.03 min Scan# 528

Delta R.T. 0.00 min

Lab File: BE098034.D

Acq: 24 Oct 2018 11:25

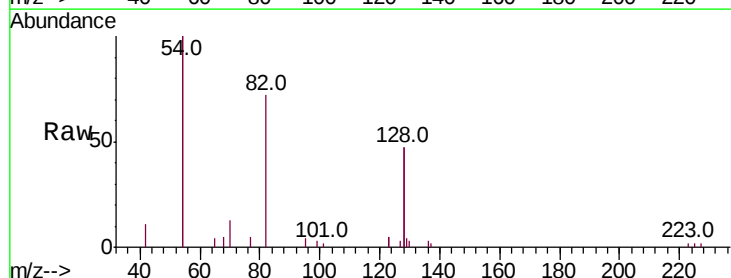
Tgt Ion: 82 Resp: 2418

Ion Ratio Lower Upper

82 100

128 131.5 129.9 194.9

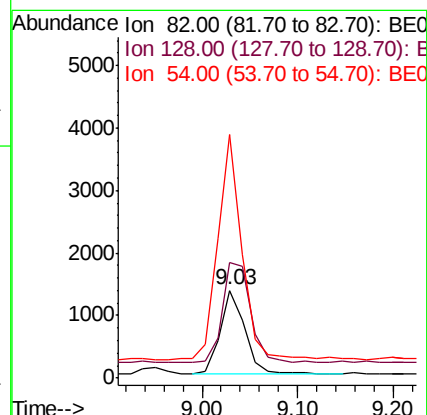
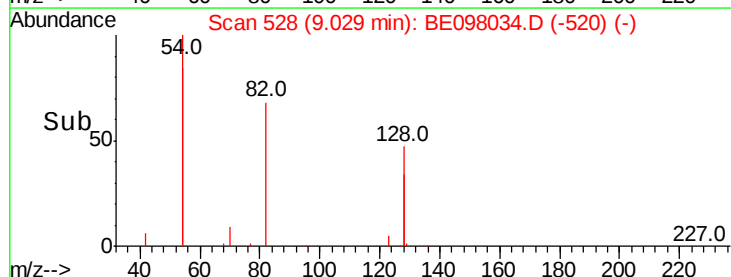
54 278.3 174.0 261.0#

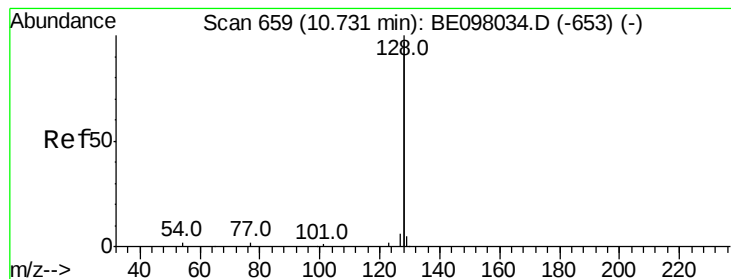


Abundance Ion 82.00 (81.70 to 82.70): BE0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BE0





#9

Naphthalene

Concen: 0.387 ng

RT: 10.73 min Scan# 659

Delta R.T. 0.00 min

Lab File: BE098034.D

Acq: 24 Oct 2018 11:25

Instrument :

BNA_E

ClientSampleId :

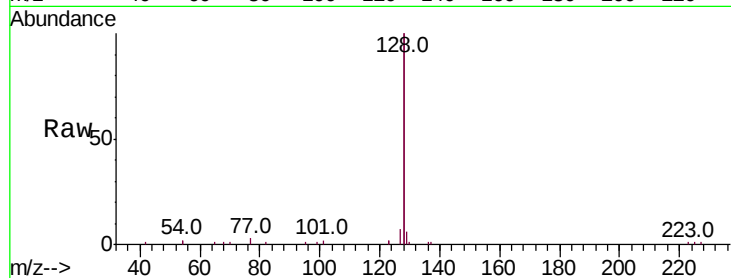
Tot Ion:128 Resp: 22773

Ion Ratio Lower Upper

128 100

129 3.0 2.5 3.7

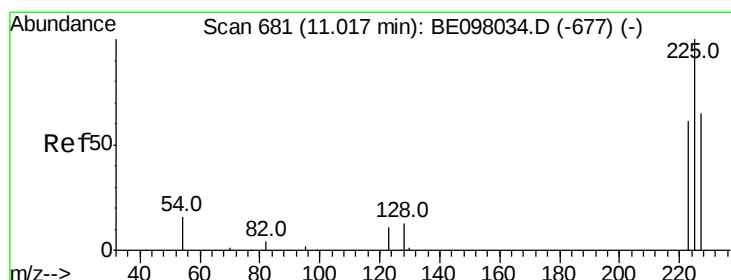
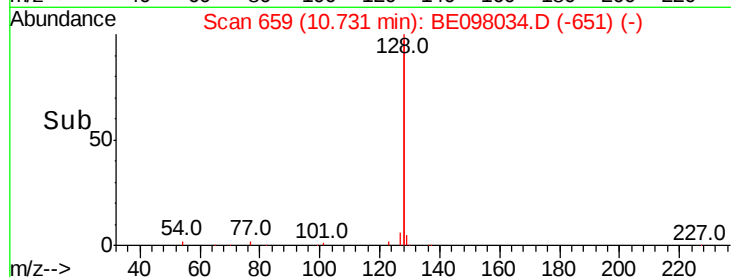
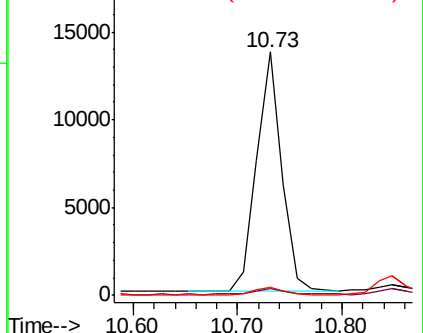
127 3.5 2.8 4.2



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: 0.478 ng

RT: 11.02 min Scan# 681

Delta R.T. 0.00 min

Lab File: BE098034.D

Acq: 24 Oct 2018 11:25

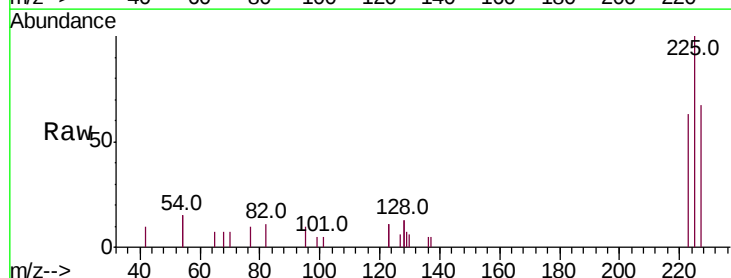
Tgt Ion:225 Resp: 1515

Ion Ratio Lower Upper

225 100

223 62.9 51.8 77.8

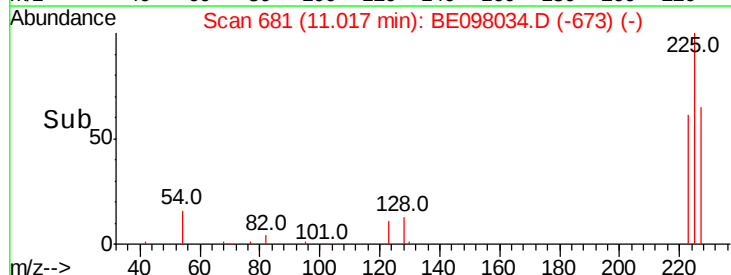
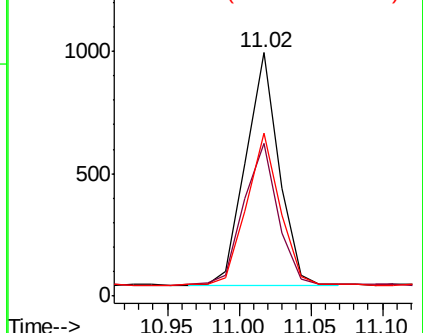
227 65.5 53.0 79.6

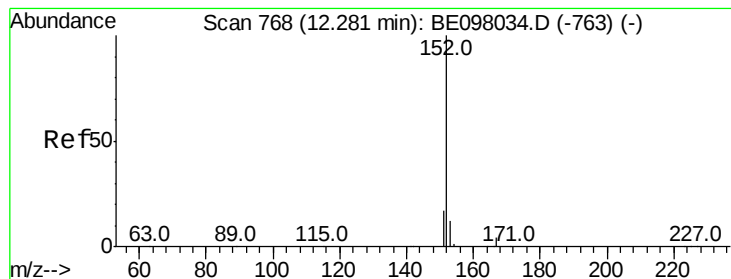


Abundance Ion 225.00 (224.70 to 225.70): E

Ion 223.00 (222.70 to 223.70): E

Ion 227.00 (226.70 to 227.70): E





#11

2-Methylnaphthalene-d10

Concen: 0.405 ng

RT: 12.28 min Scan# 768

Delta R.T. 0.00 min

Lab File: BE098034.D

Acq: 24 Oct 2018 11:25

Instrument :

BNA_E

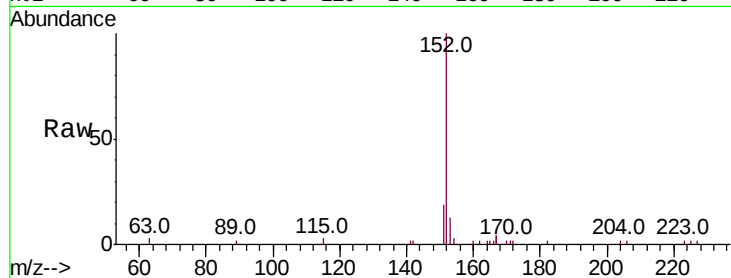
ClientSampleId :

Tot Ion:152 Resp: 3983

Ion Ratio Lower Upper

152 100

151 19.7 16.2 24.4



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

12.28

2500

2000

1500

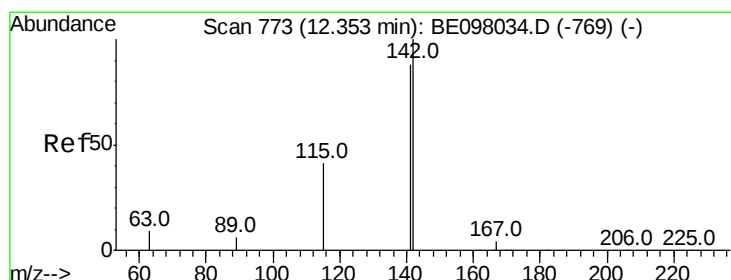
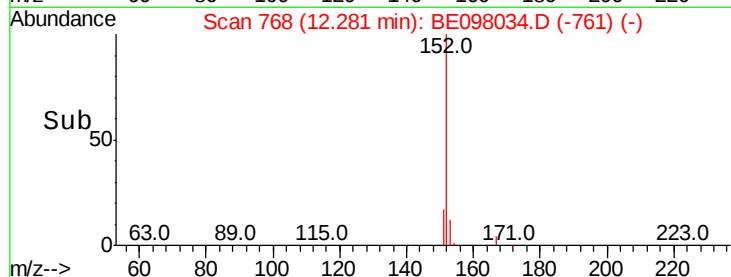
1000

500

0

Time-->

12.20 12.30 12.40



#12

2-Methylnaphthalene

Concen: 0.414 ng

RT: 12.35 min Scan# 773

Delta R.T. 0.00 min

Lab File: BE098034.D

Acq: 24 Oct 2018 11:25

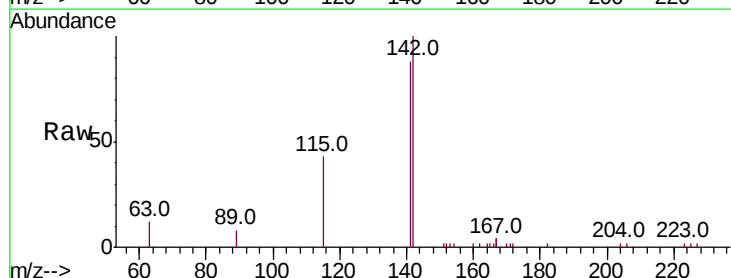
Tgt Ion:142 Resp: 4169

Ion Ratio Lower Upper

142 100

141 88.2 69.8 104.6

115 42.8 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

12.35

3000

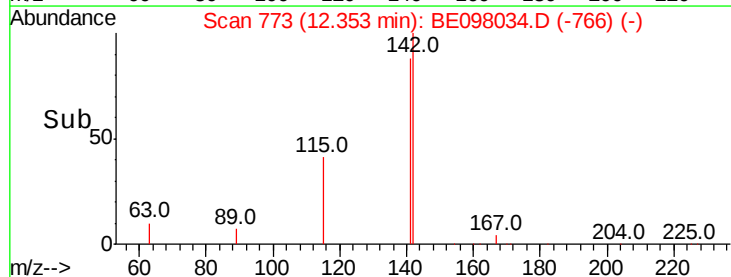
2000

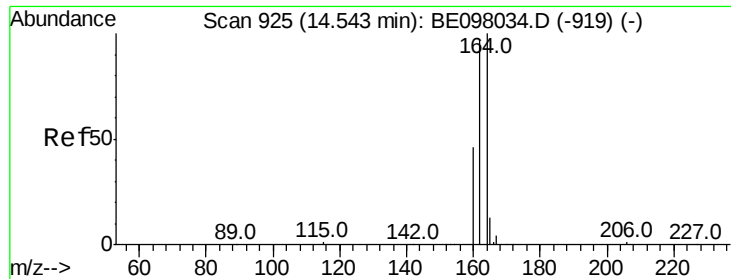
1000

0

Time-->

12.25 12.30 12.35 12.40

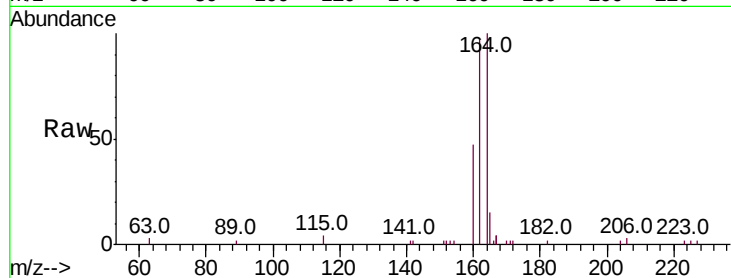




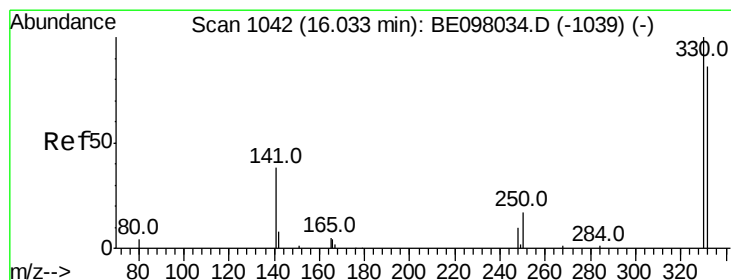
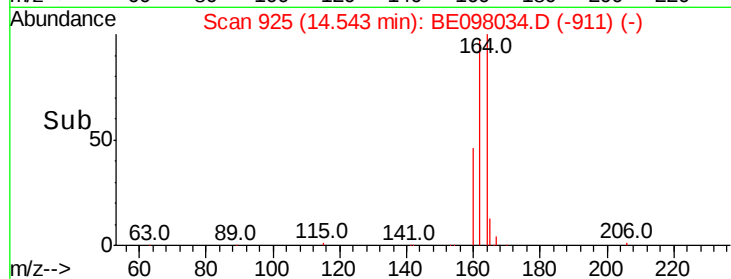
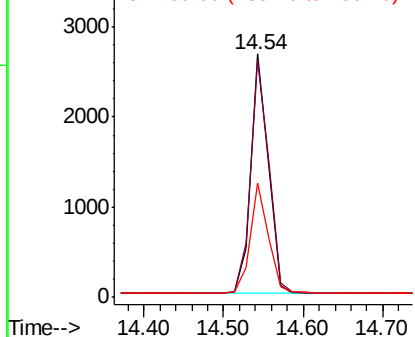
#13
 Acenaphthene-d10
 Concen: 0.400 ng
 RT: 14.54 min Scan# 925
 Delta R.T. 0.00 min
 Lab File: BE098034.D
 Acq: 24 Oct 2018 11:25

Instrument :
 BNA_E
 ClientSampleId :

Tot Ion:164 Resp: 4015
 Ion Ratio Lower Upper
 164 100
 162 97.3 77.4 116.2
 160 47.0 36.5 54.7

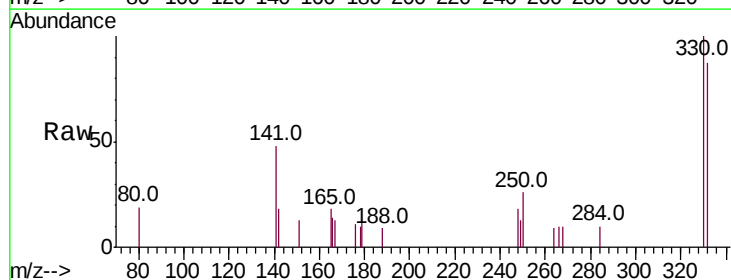


Abundance Ion 164.00 (163.70 to 164.70): E
 Ion 162.00 (161.70 to 162.70): E
 Ion 160.00 (159.70 to 160.70): E

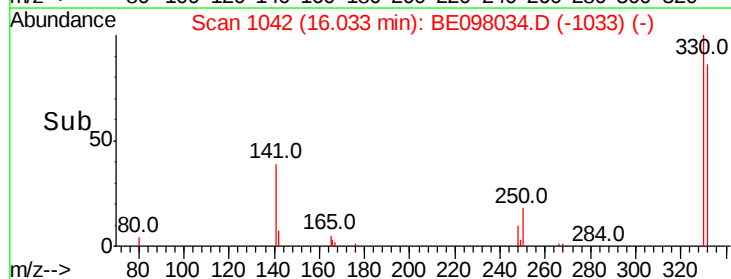
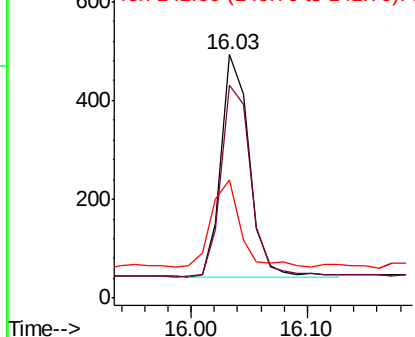


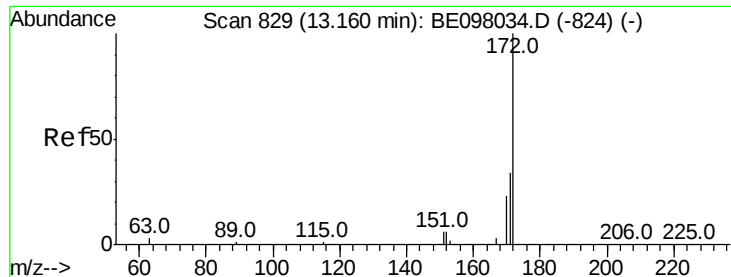
#14
 2,4,6-Tribromophenol
 Concen: 0.349 ng
 RT: 16.03 min Scan# 1042
 Delta R.T. 0.00 min
 Lab File: BE098034.D
 Acq: 24 Oct 2018 11:25

Tgt Ion:330 Resp: 754
 Ion Ratio Lower Upper
 330 100
 332 92.8 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

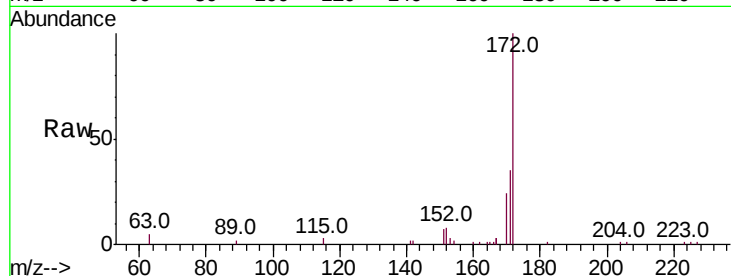




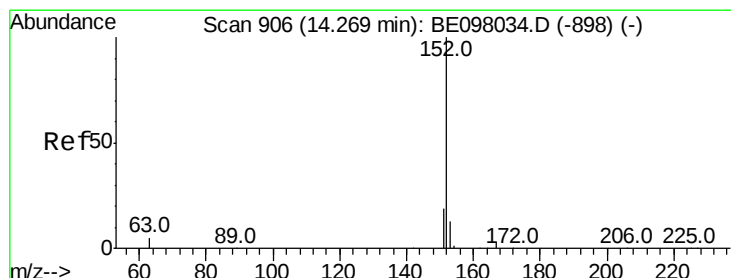
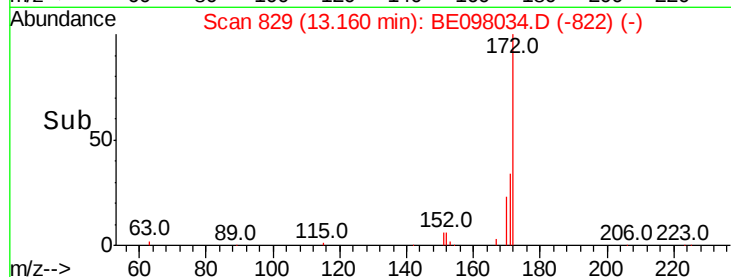
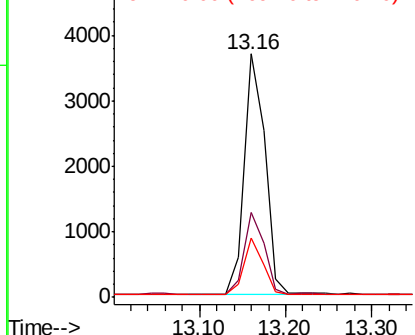
#15
2-Fluorobiphenyl
Concen: 0.371 ng
RT: 13.16 min Scan# 829
Delta R.T. 0.00 min
Lab File: BE098034.D
Acq: 24 Oct 2018 11:25

Instrument :
BNA_E
ClientSampleId :

Tot Ion:172 Resp: 6090
Ion Ratio Lower Upper
172 100
171 34.8 26.0 39.0
170 24.2 18.0 27.0

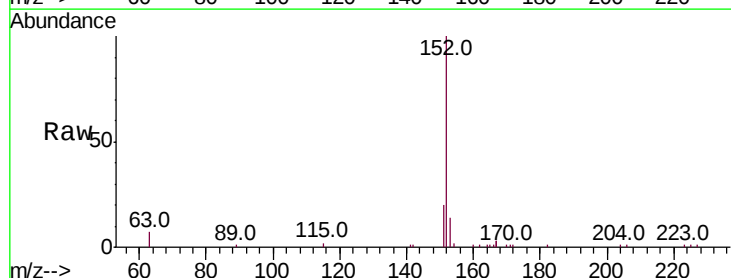


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

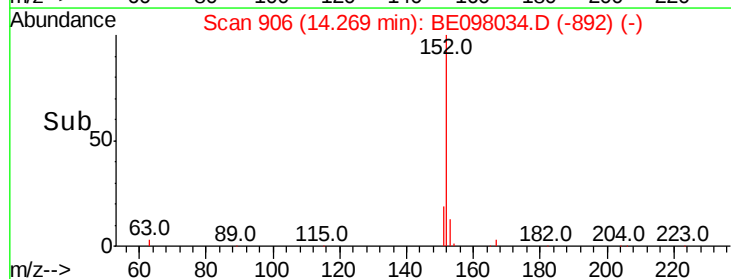
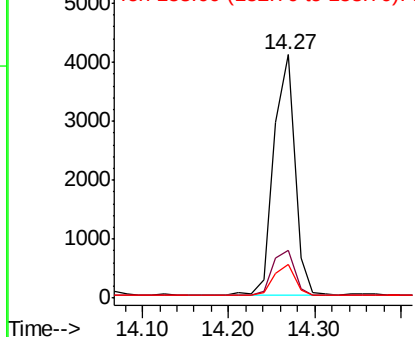


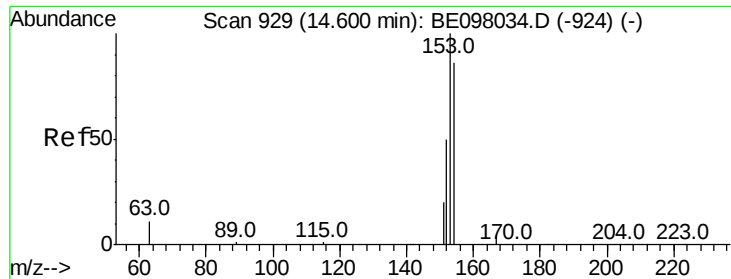
#16
Acenaphthylene
Concen: 0.373 ng
RT: 14.27 min Scan# 906
Delta R.T. 0.00 min
Lab File: BE098034.D
Acq: 24 Oct 2018 11:25

Tgt Ion:152 Resp: 6921
Ion Ratio Lower Upper
152 100
151 20.0 16.1 24.1
153 13.1 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

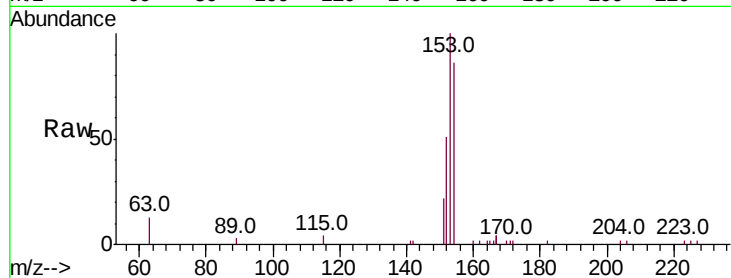




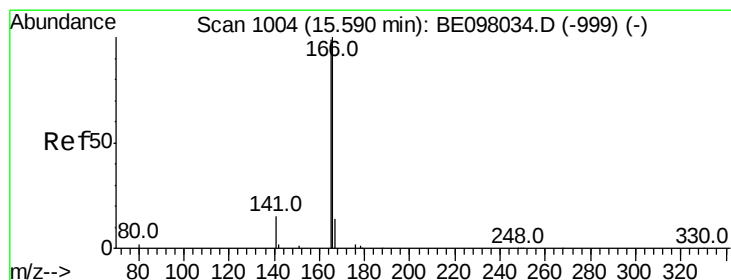
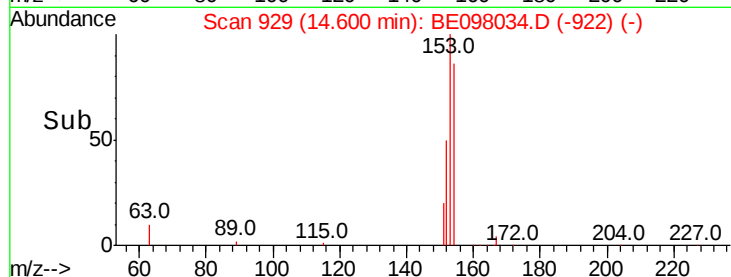
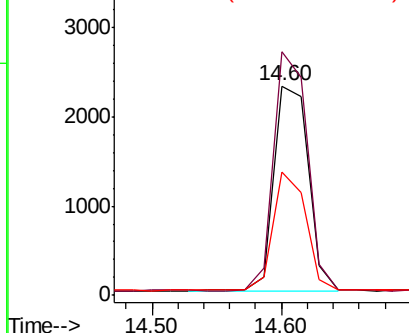
#17
Acenaphthene
Concen: 0.376 ng
RT: 14.60 min Scan# 929
Delta R.T. 0.00 min
Lab File: BE098034.D
Acq: 24 Oct 2018 11:25

Instrument :
BNA_E
ClientSampleId :

Tot Ion:154 Resp: 4267
Ion Ratio Lower Upper
154 100
153 114.3 92.6 139.0
152 54.1 45.5 68.3

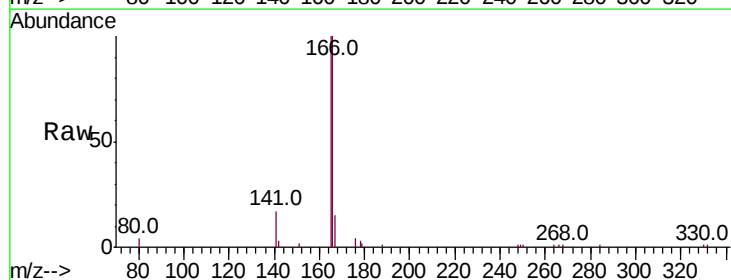


Abundance Ion 154.00 (153.70 to 154.70): E
Ion 153.00 (152.70 to 153.70): E
Ion 152.00 (151.70 to 152.70): E

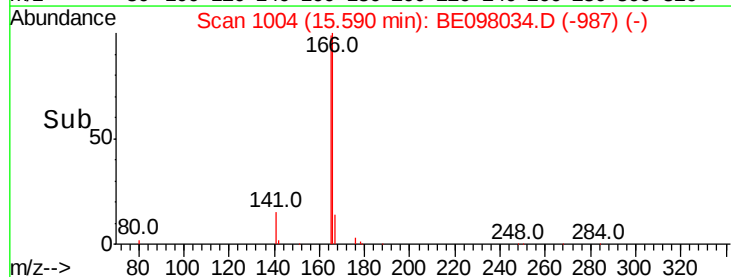
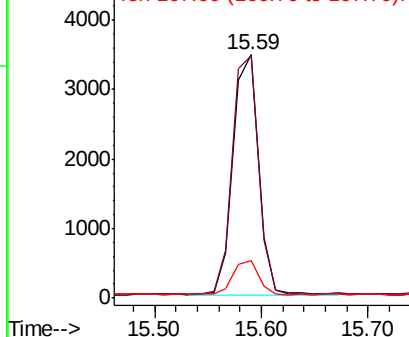


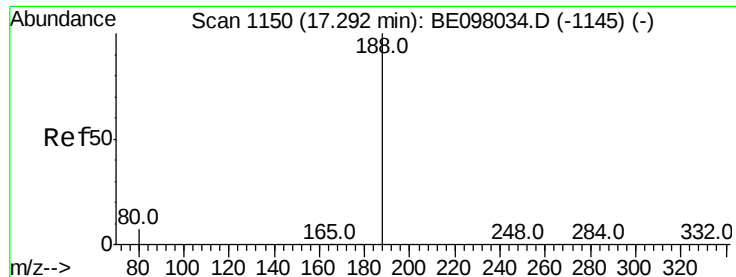
#18
Fluorene
Concen: 0.364 ng
RT: 15.59 min Scan# 1004
Delta R.T. 0.00 min
Lab File: BE098034.D
Acq: 24 Oct 2018 11:25

Tgt Ion:166 Resp: 5678
Ion Ratio Lower Upper
166 100
165 101.5 78.2 117.4
167 14.5 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: BE098034.D

Acq: 24 Oct 2018 11:25

Instrument :

BNA_E

ClientSampleId :

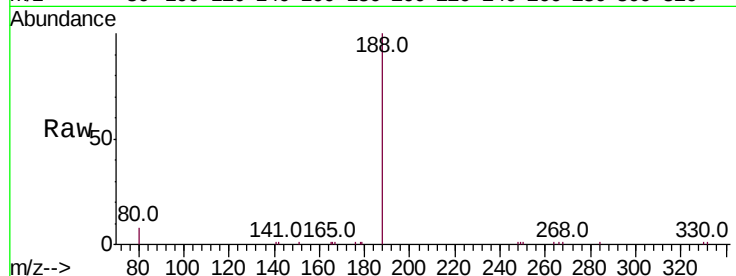
Tot Ion:188 Resp: 9668

Ion Ratio Lower Upper

188 100

94 0.0 0.0 0.0

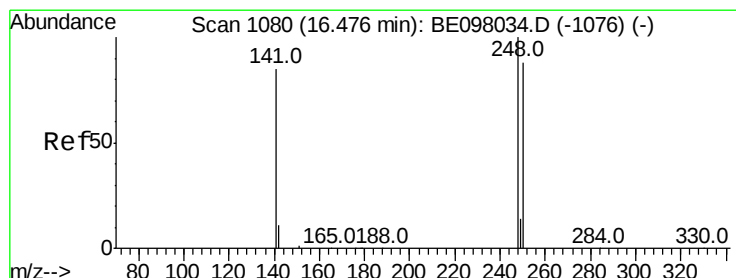
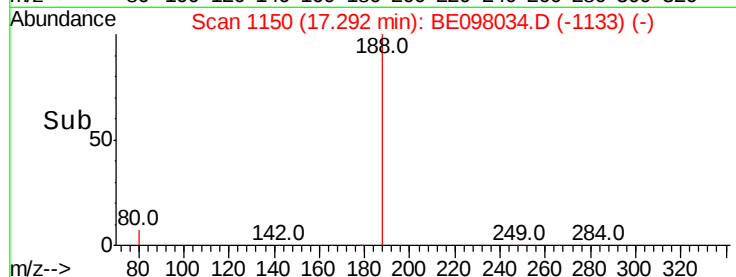
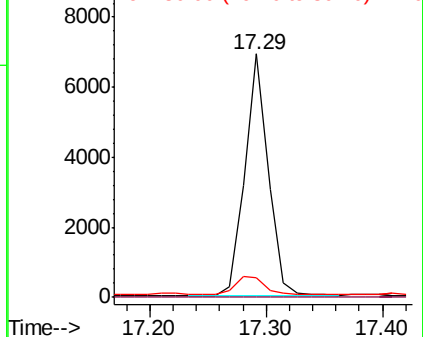
80 8.2 6.3 9.5



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: 0.437 ng

RT: 16.48 min Scan# 1080

Delta R.T. 0.00 min

Lab File: BE098034.D

Acq: 24 Oct 2018 11:25

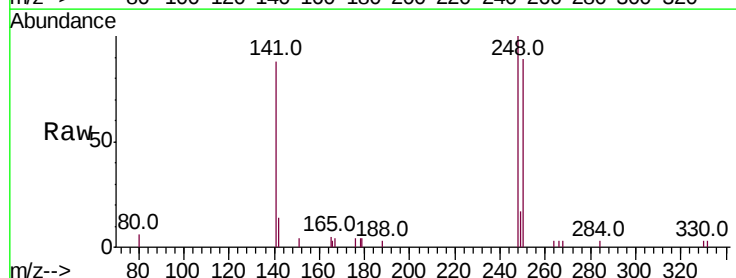
Tgt Ion:248 Resp: 2307

Ion Ratio Lower Upper

248 100

250 88.5 75.1 112.7

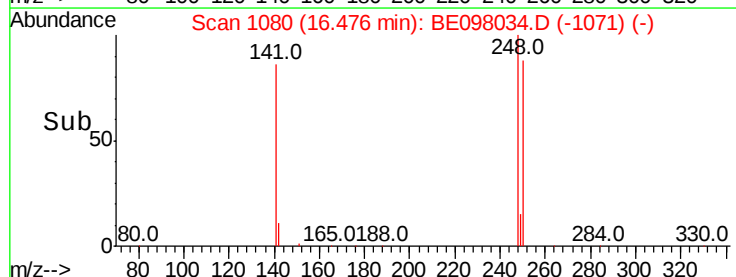
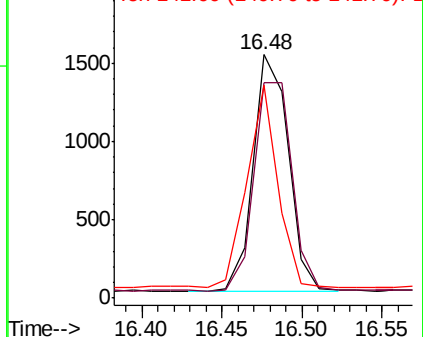
141 87.6 51.8 77.8#

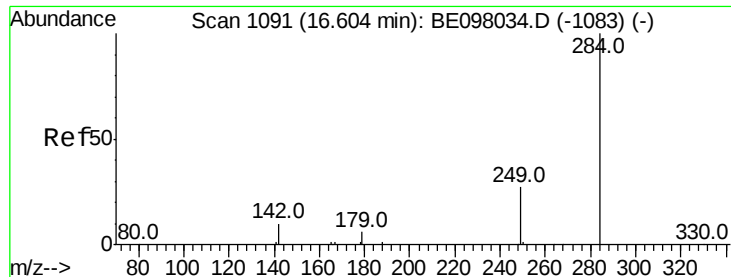


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E





#21

Hexachlorobenzene

Concen: 0.452 ng

RT: 16.60 min Scan# 1091

Delta R.T. 0.00 min

Lab File: BE098034.D

Acq: 24 Oct 2018 11:25

Instrument :

BNA_E

ClientSampleId :

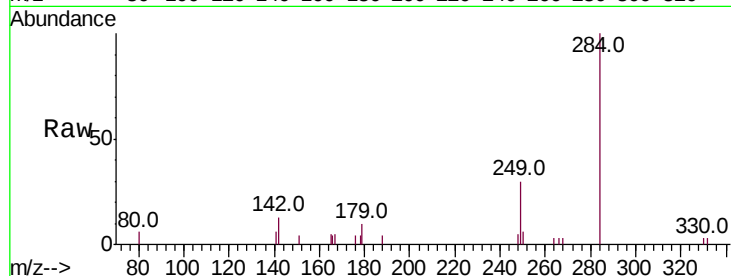
Tot Ion:284 Resp: 2350

Ion	Ratio	Lower	Upper
284	100		
142	30.9	25.9	38.9
249	34.4	26.6	40.0

284 100

142 30.9 25.9 38.9

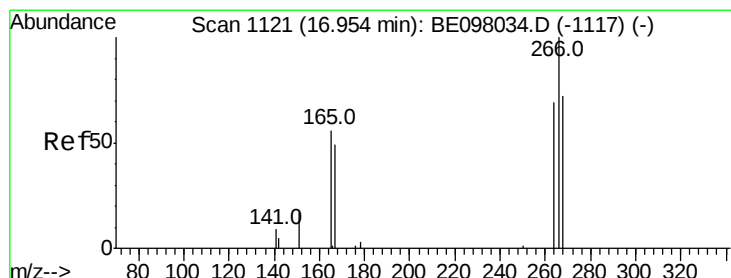
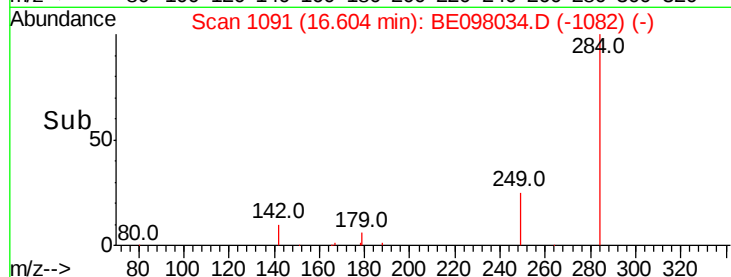
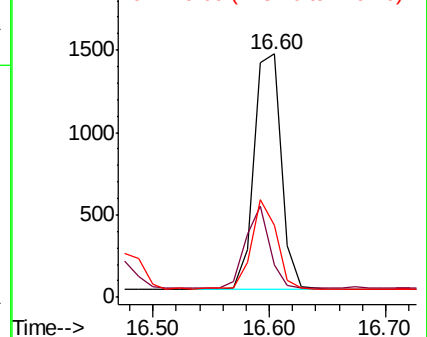
249 34.4 26.6 40.0



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: 0.122 ng

RT: 16.95 min Scan# 1121

Delta R.T. 0.00 min

Lab File: BE098034.D

Acq: 24 Oct 2018 11:25

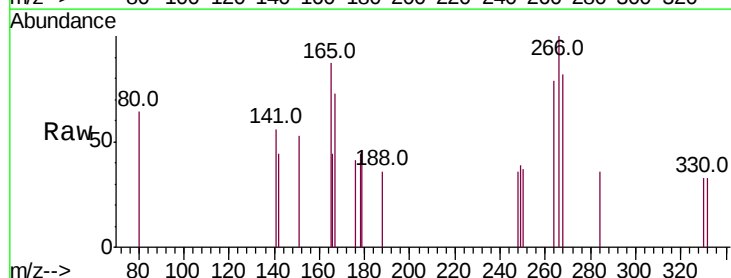
Tgt Ion:266 Resp: 183

Ion	Ratio	Lower	Upper
266	100		
264	79.3	51.3	76.9#
268	82.2	50.1	75.1#

266 100

264 79.3 51.3 76.9#

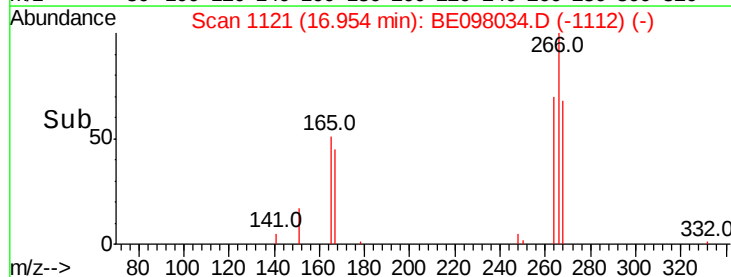
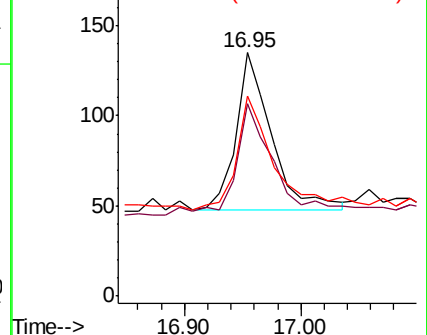
268 82.2 50.1 75.1#

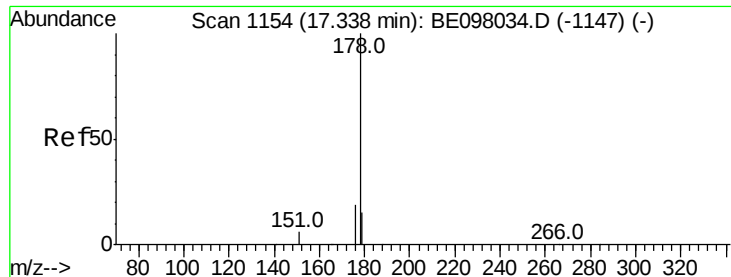


Abundance Ion 266.00 (265.70 to 266.70): E

Ion 264.00 (263.70 to 264.70): E

Ion 268.00 (267.70 to 268.70): E

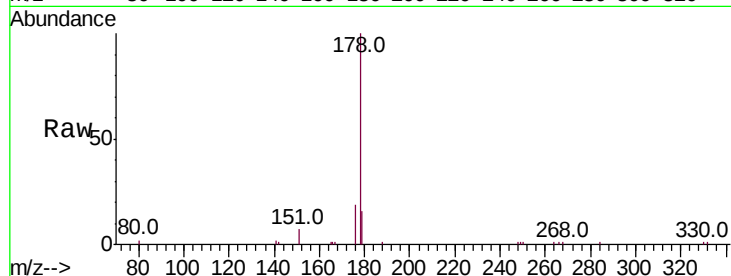




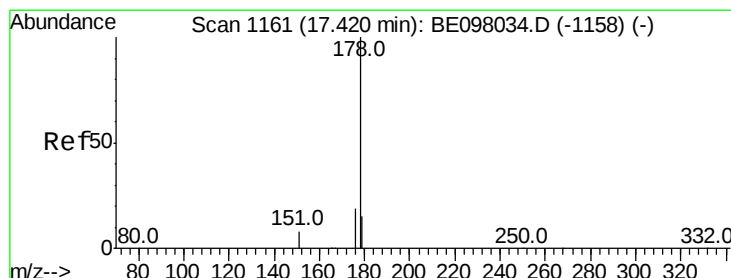
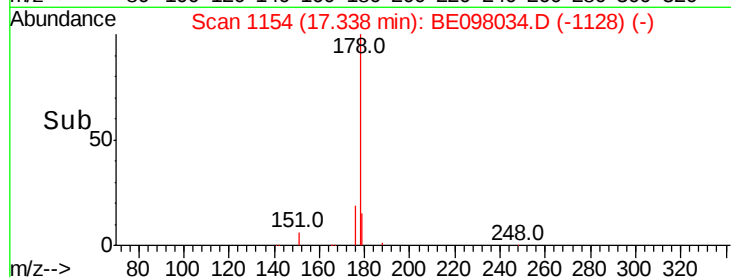
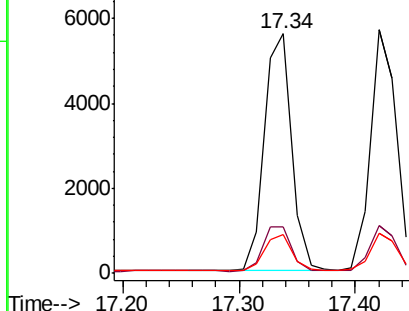
#23
Phenanthrene
Concen: 0.372 ng
RT: 17.34 min Scan# 1154
Delta R.T. 0.00 min
Lab File: BE098034.D
Acq: 24 Oct 2018 11:25

Instrument :
BNA_E
ClientSampleId :

Tot Ion:178 Resp: 9131
Ion Ratio Lower Upper
178 100
176 19.5 15.5 23.3
179 15.1 12.2 18.4

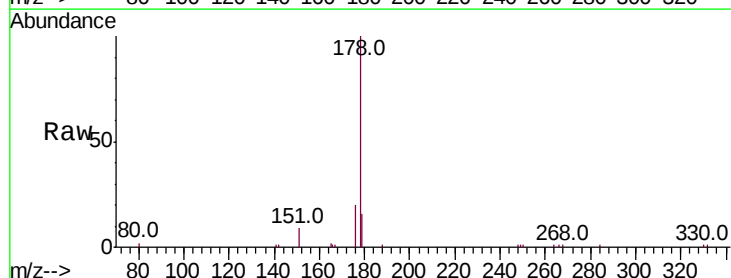


Abundance Ion 178.00 (177.70 to 178.70): E
Ion 176.00 (175.70 to 176.70): E
Ion 179.00 (178.70 to 179.70): E

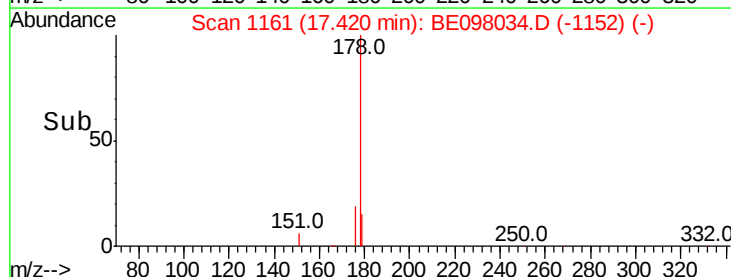
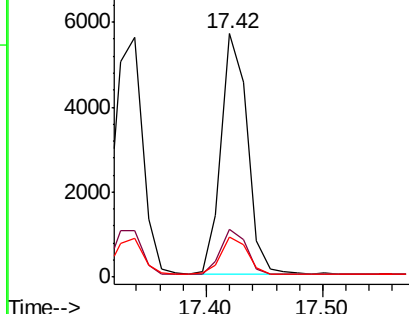


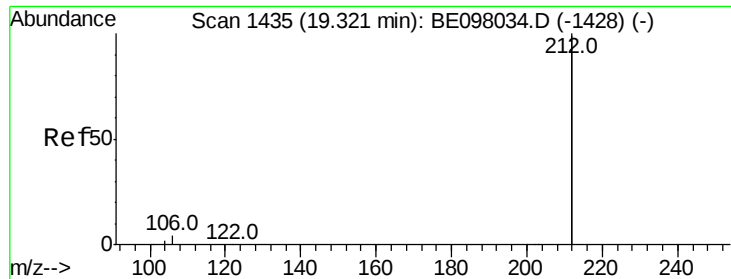
#24
Anthracene
Concen: 0.380 ng
RT: 17.42 min Scan# 1161
Delta R.T. 0.00 min
Lab File: BE098034.D
Acq: 24 Oct 2018 11:25

Tgt Ion:178 Resp: 8821
Ion Ratio Lower Upper
178 100
176 19.2 14.9 22.3
179 15.6 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: 0.364 ng

RT: 19.32 min Scan# 1435

Delta R.T. 0.00 min

Lab File: BE098034.D

Acq: 24 Oct 2018 11:25

Instrument :

BNA_E

ClientSampleId :

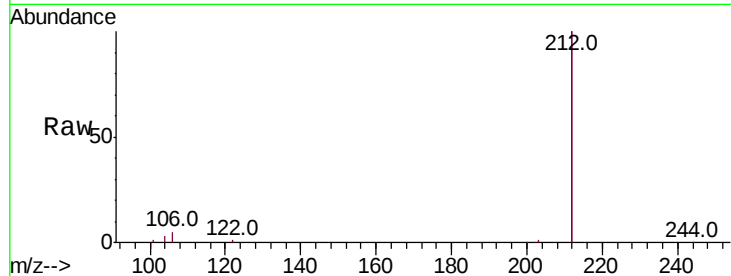
Tot Ion:212 Resp: 47680

Ion Ratio Lower Upper

212 100

106 2.1 2.3 3.5#

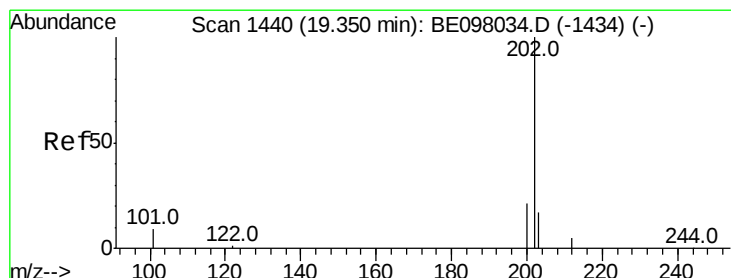
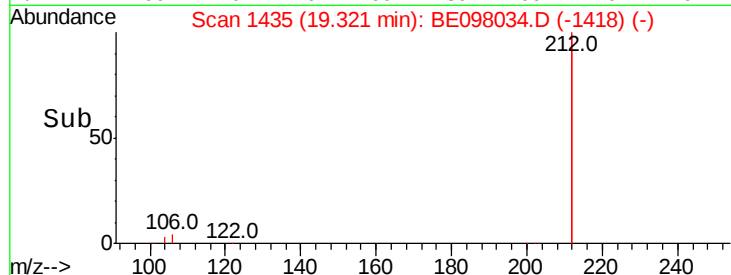
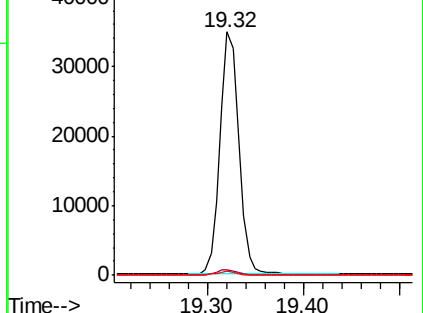
104 1.4 1.3 1.9



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: 0.353 ng

RT: 19.35 min Scan# 1440

Delta R.T. 0.00 min

Lab File: BE098034.D

Acq: 24 Oct 2018 11:25

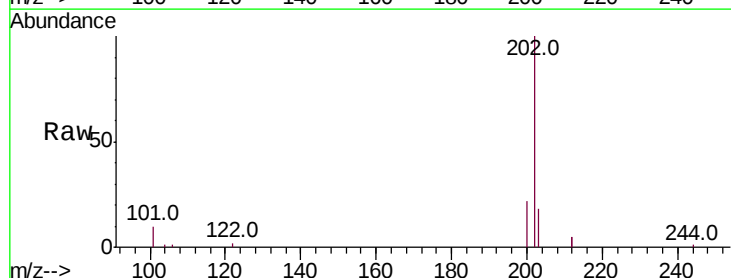
Tgt Ion:202 Resp: 11389

Ion Ratio Lower Upper

202 100

101 8.3 8.2 12.2

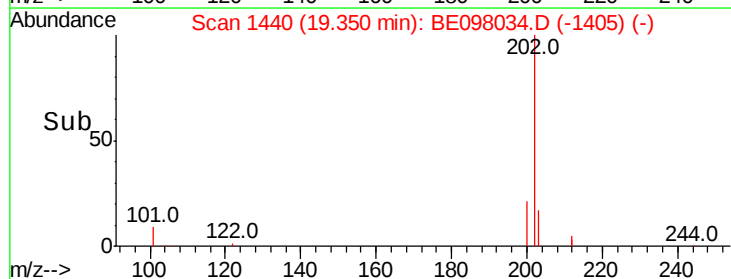
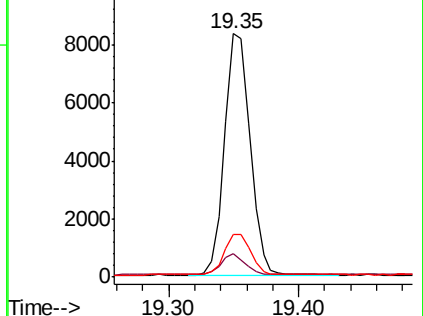
203 17.1 15.0 22.4

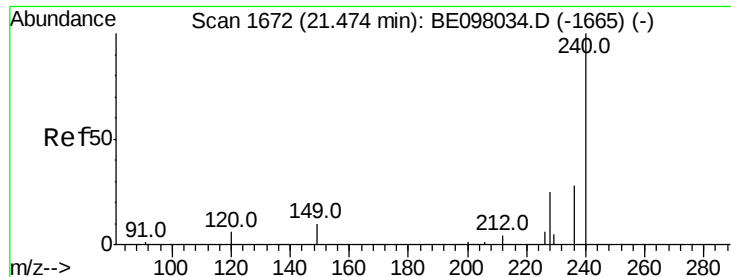


Abundance Ion 202.00 (201.70 to 202.70): E

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: BE098034.D

Acq: 24 Oct 2018 11:25

Instrument :

BNA_E

ClientSampleId :

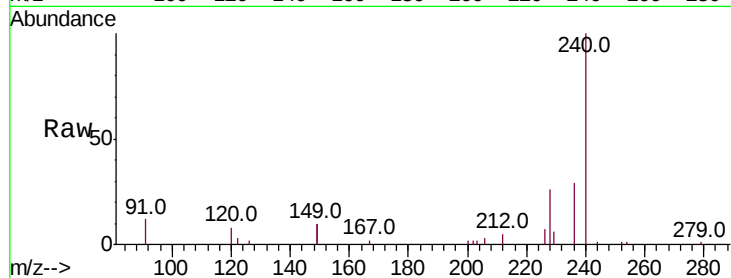
Tot Ion:240 Resp: 11752

Ion Ratio Lower Upper

240 100

120 8.4 7.1 10.7

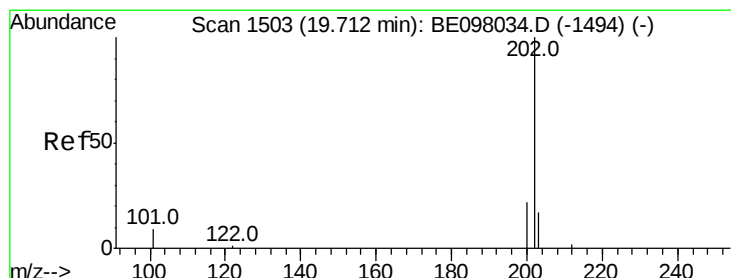
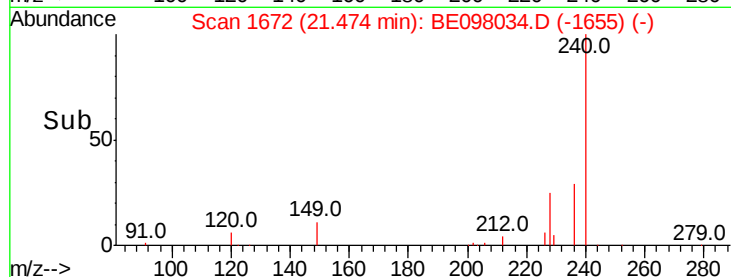
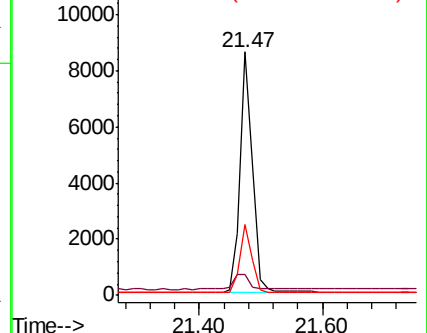
236 29.2 21.3 31.9



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: 0.353 ng

RT: 19.71 min Scan# 1503

Delta R.T. 0.00 min

Lab File: BE098034.D

Acq: 24 Oct 2018 11:25

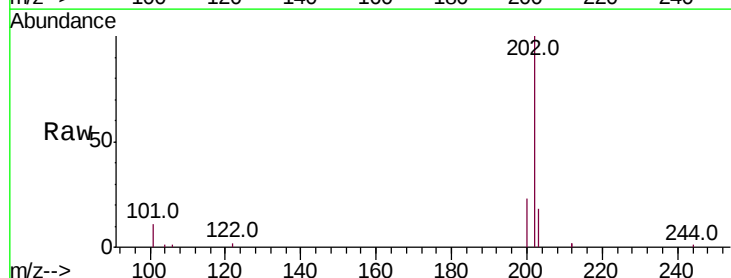
Tgt Ion:202 Resp: 11978

Ion Ratio Lower Upper

202 100

200 21.3 17.0 25.4

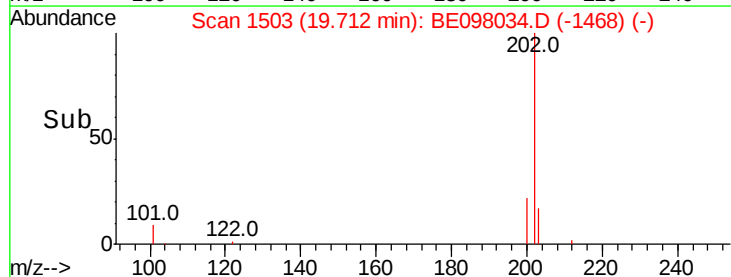
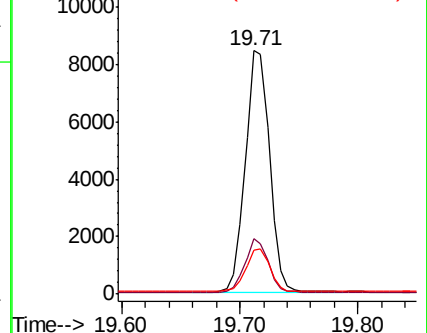
203 17.9 14.2 21.4

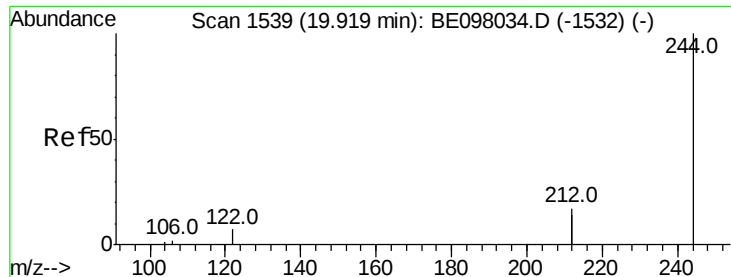


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#29

Terphenyl-d14

Concen: 0.371 ng

RT: 19.92 min Scan# 1539

Delta R.T. 0.00 min

Lab File: BE098034.D

Acq: 24 Oct 2018 11:25

Instrument :

BNA_E

ClientSampled :

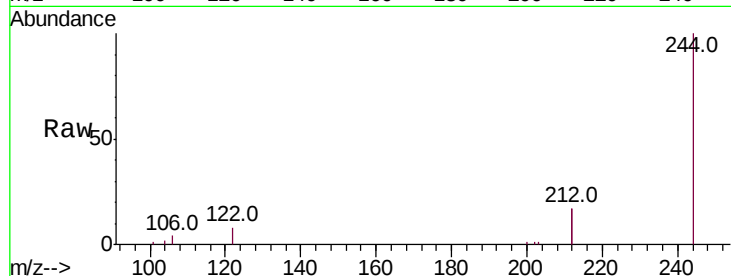
Tot Ion:244 Resp: 9993

Ion Ratio Lower Upper

244 100

212 34.5 26.2 39.2

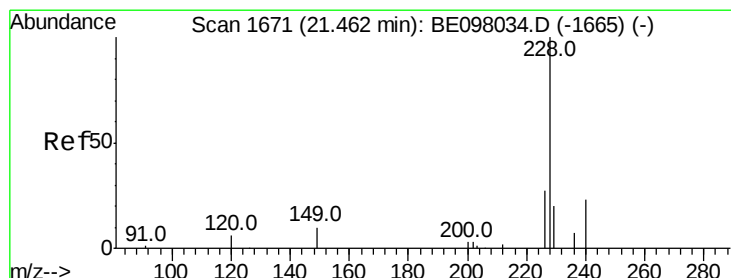
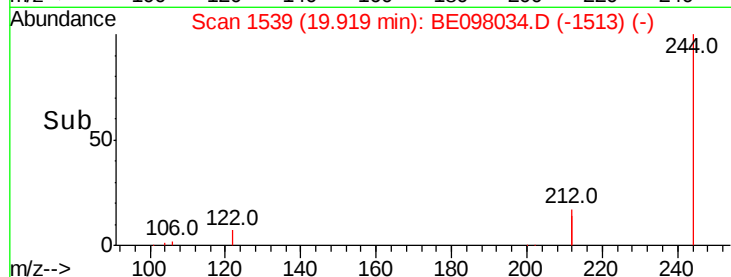
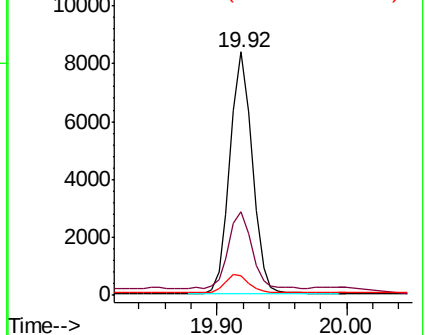
122 8.3 7.7 11.5



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: 0.356 ng

RT: 21.46 min Scan# 1671

Delta R.T. 0.00 min

Lab File: BE098034.D

Acq: 24 Oct 2018 11:25

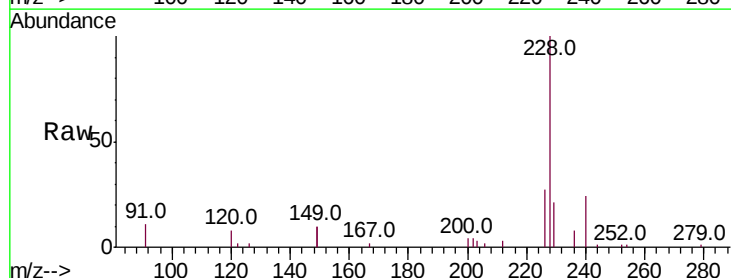
Tgt Ion:228 Resp: 12826

Ion Ratio Lower Upper

228 100

226 27.5 22.6 33.8

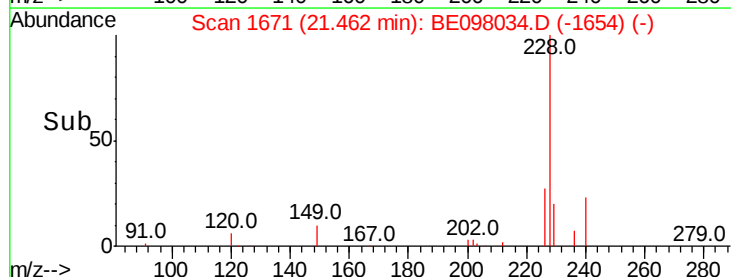
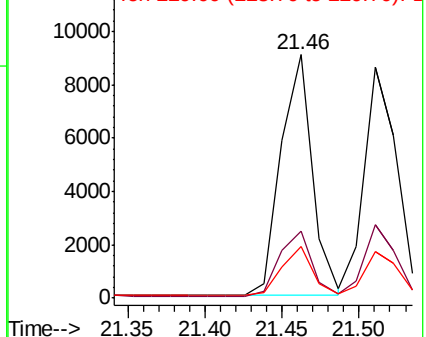
229 21.1 16.9 25.3

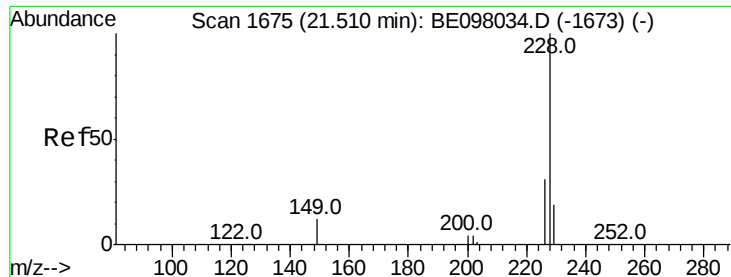


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#31

Chrysene

Concen: 0.369 ng

RT: 21.51 min Scan# 1675

Delta R.T. 0.00 min

Lab File: BE098034.D

Acq: 24 Oct 2018 11:25

Instrument :

BNA_E

ClientSampleId :

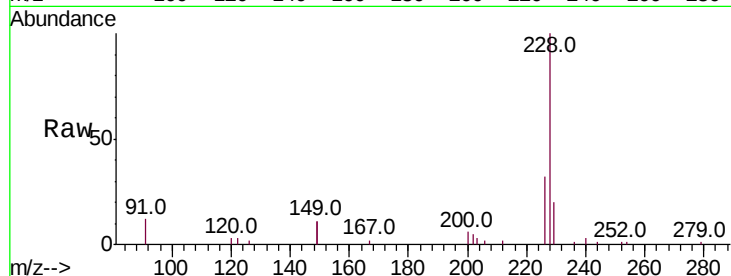
Tot Ion:228 Resp: 12586

Ion Ratio Lower Upper

228 100

226 31.9 24.3 36.5

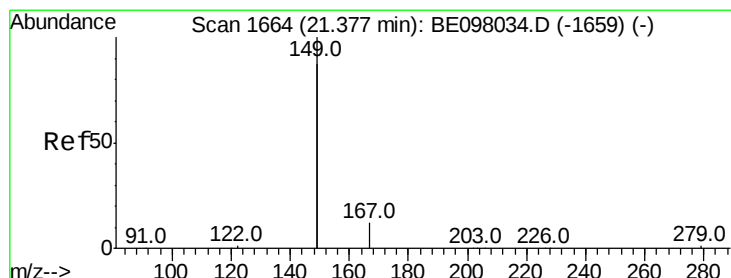
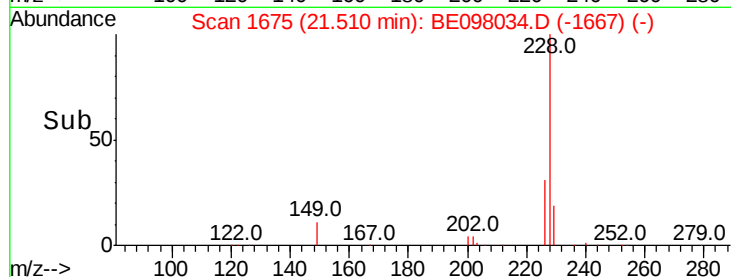
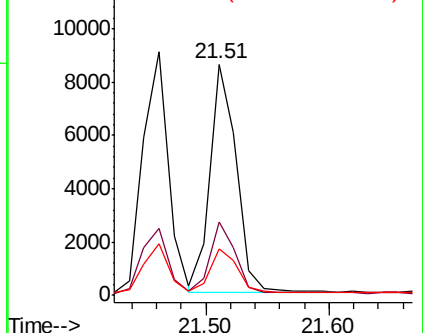
229 20.0 17.3 25.9



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: 0.363 ng

RT: 21.38 min Scan# 1664

Delta R.T. 0.00 min

Lab File: BE098034.D

Acq: 24 Oct 2018 11:25

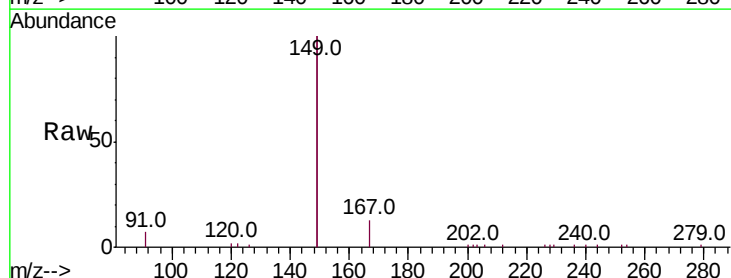
Tgt Ion:149 Resp: 30518

Ion Ratio Lower Upper

149 100

167 6.9 5.6 8.4

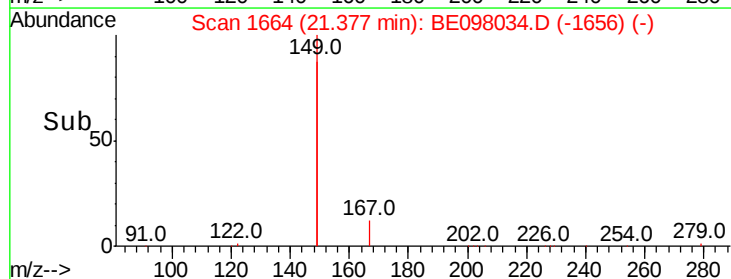
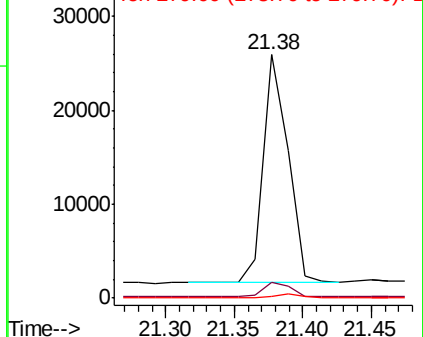
279 1.2 0.9 1.3

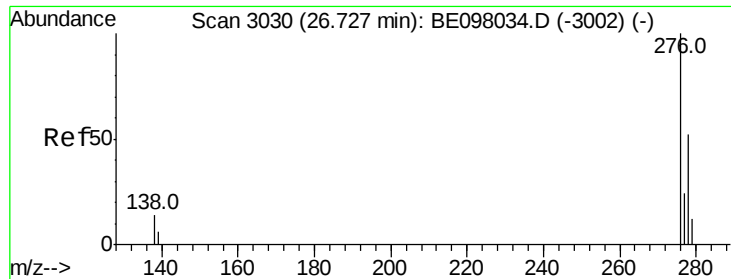


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E

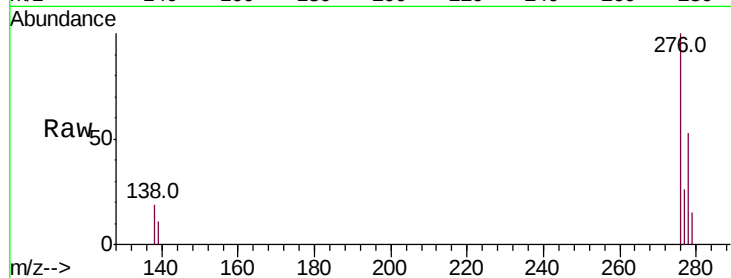




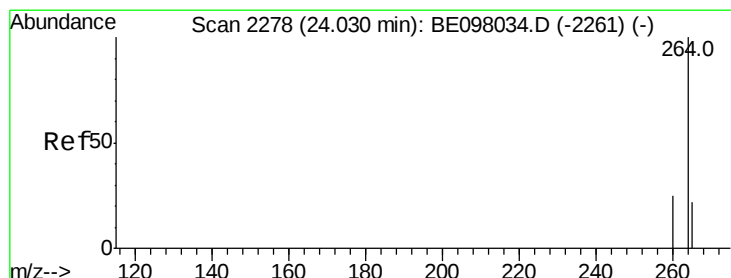
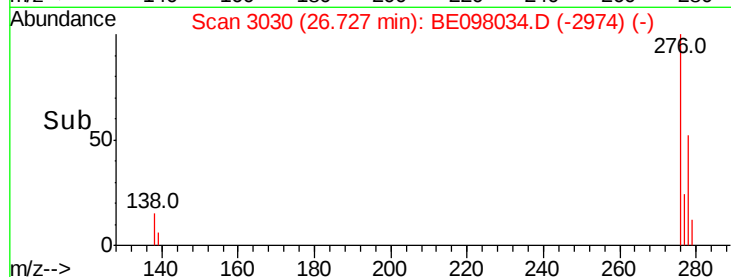
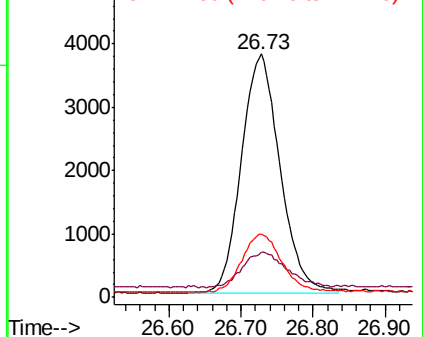
#33
 Indeno(1,2,3-cd)pyrene
 Concen: 0.373 ng
 RT: 26.73 min Scan# 3030
 Delta R.T. 0.00 min
 Lab File: BE098034.D
 Acq: 24 Oct 2018 11:25

Instrument :
 BNA_E
 ClientSampleId :

Tot Ion:276 Resp: 13693
 Ion Ratio Lower Upper
 276 100
 138 17.7 17.0 25.6
 277 25.0 20.5 30.7

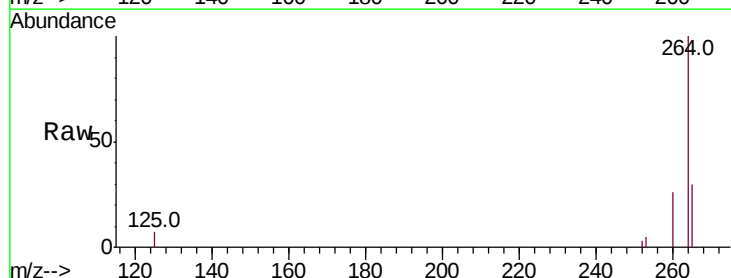


Abundance Ion 276.00 (275.70 to 276.70): E
 Ion 138.00 (137.70 to 138.70): E
 Ion 277.00 (276.70 to 277.70): E

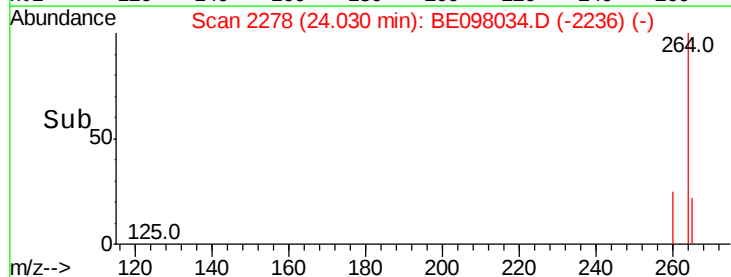
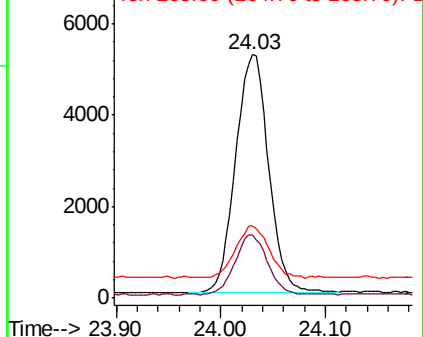


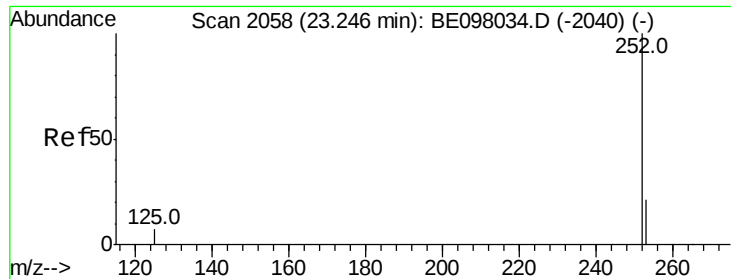
#34
 Perylene-d12
 Concen: 0.400 ng
 RT: 24.03 min Scan# 2278
 Delta R.T. 0.00 min
 Lab File: BE098034.D
 Acq: 24 Oct 2018 11:25

Tgt Ion:264 Resp: 11490
 Ion Ratio Lower Upper
 264 100
 260 26.2 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: 0.368 ng

RT: 23.25 min Scan# 2058

Delta R.T. 0.00 min

Lab File: BE098034.D

Acq: 24 Oct 2018 11:25

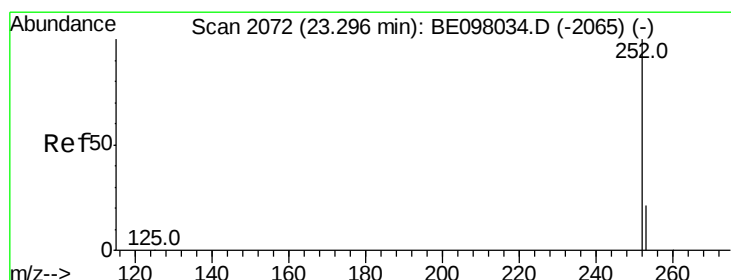
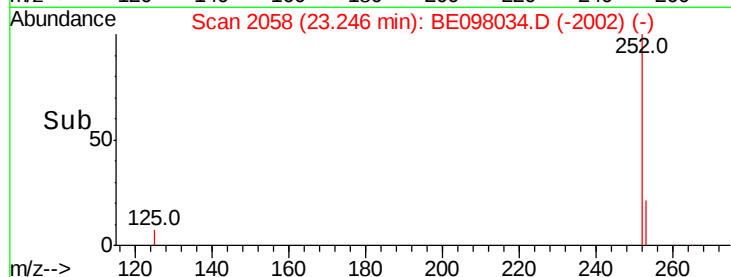
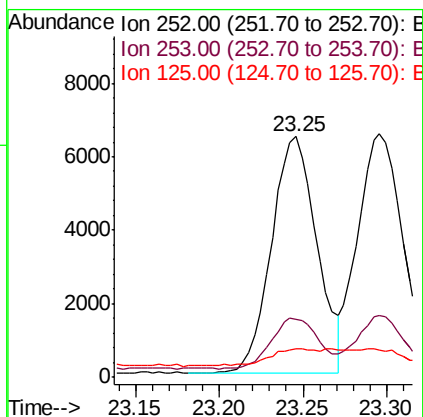
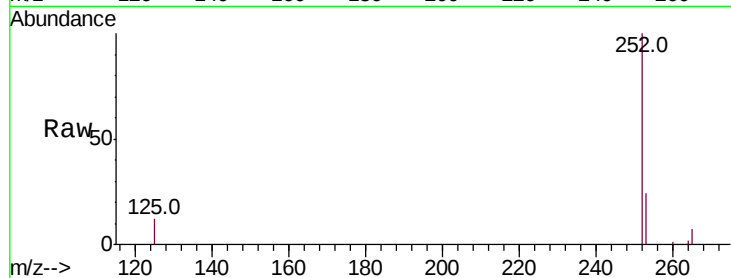
Instrument :

BNA_E

ClientSampleId :

Tot Ion:252 Resp: 12167

Ion	Ratio	Lower	Upper
252	100		
253	24.1	20.6	31.0
125	12.0	14.3	21.5#



#36

Benzo(k)fluoranthene

Concen: 0.361 ng

RT: 23.30 min Scan# 2072

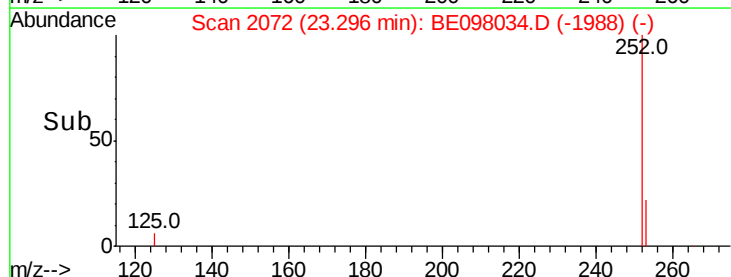
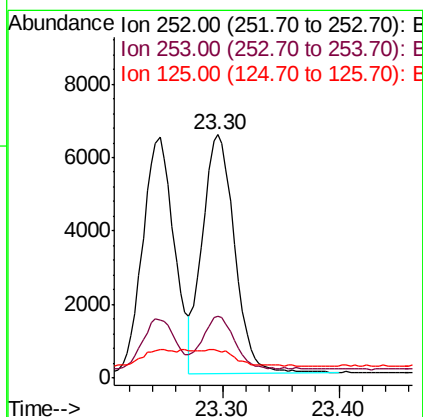
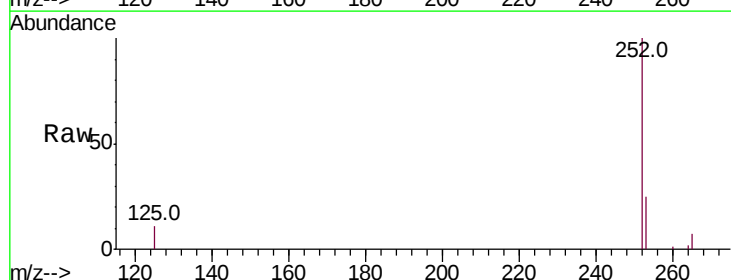
Delta R.T. 0.00 min

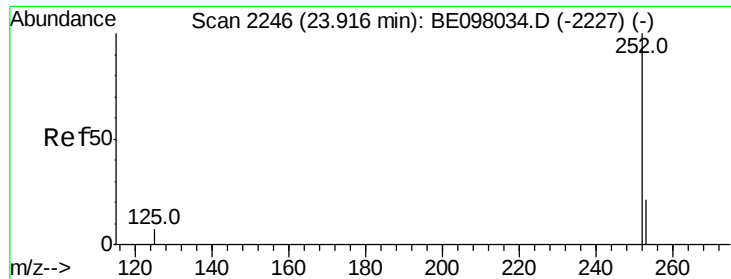
Lab File: BE098034.D

Acq: 24 Oct 2018 11:25

Tgt Ion:252 Resp: 12429

Ion	Ratio	Lower	Upper
252	100		
253	25.3	20.4	30.6
125	11.2	14.6	21.8#





#37

Benzo(a)pyrene

Concen: 0.365 ng

RT: 23.92 min Scan# 2246

Delta R.T. 0.00 min

Lab File: BE098034.D

Acq: 24 Oct 2018 11:25

Instrument :

BNA_E

ClientSampleId :

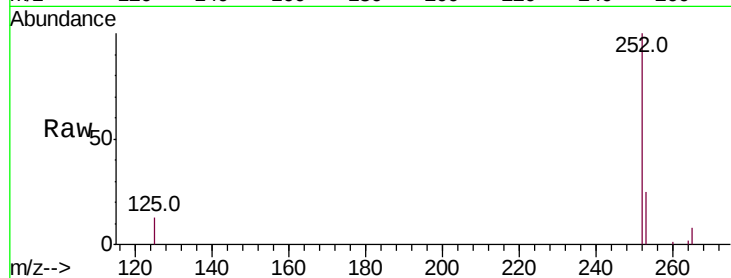
Tot Ion:252 Resp: 11770

Ion Ratio Lower Upper

252 100

253 25.2 20.6 31.0

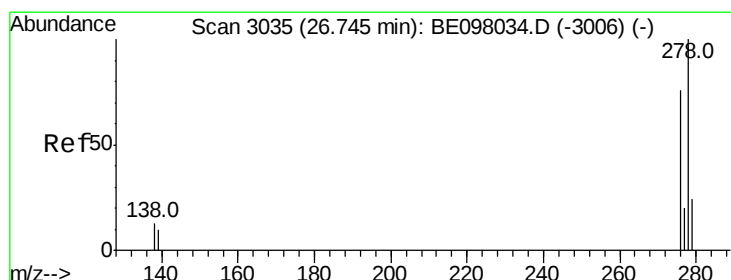
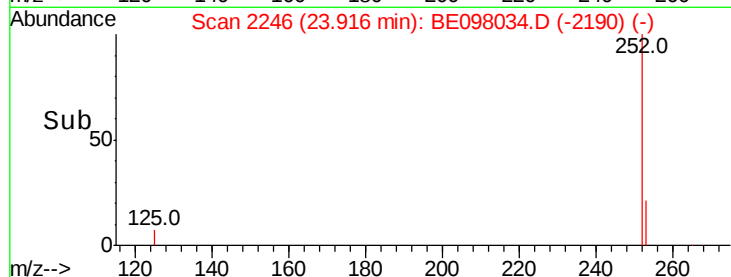
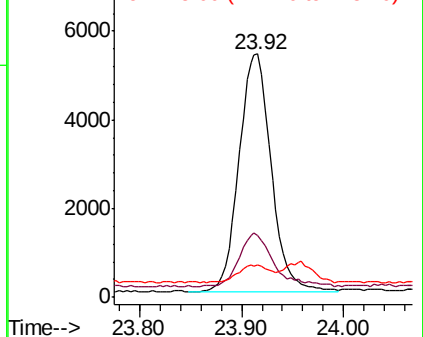
125 13.1 15.6 23.4#



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: 0.368 ng

RT: 26.75 min Scan# 3035

Delta R.T. 0.00 min

Lab File: BE098034.D

Acq: 24 Oct 2018 11:25

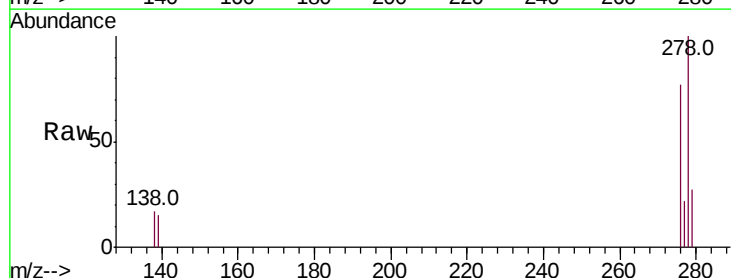
Tgt Ion:278 Resp: 11628

Ion Ratio Lower Upper

278 100

139 15.0 16.3 24.5#

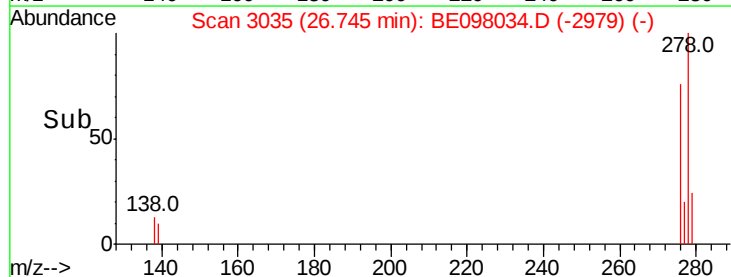
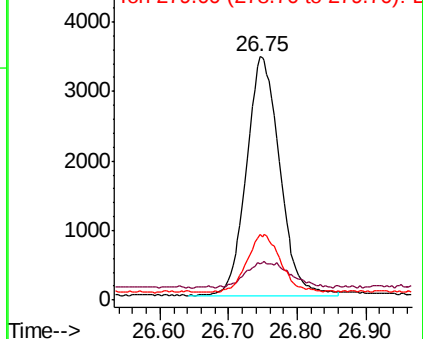
279 27.0 21.4 32.2

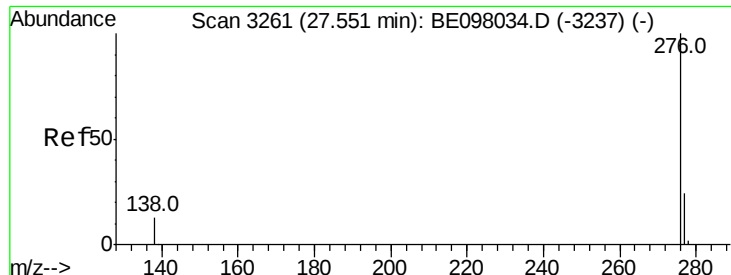


Abundance Ion 278.00 (277.70 to 278.70): E

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: 0.355 ng

RT: 27.55 min Scan# 3261

Delta R.T. 0.00 min

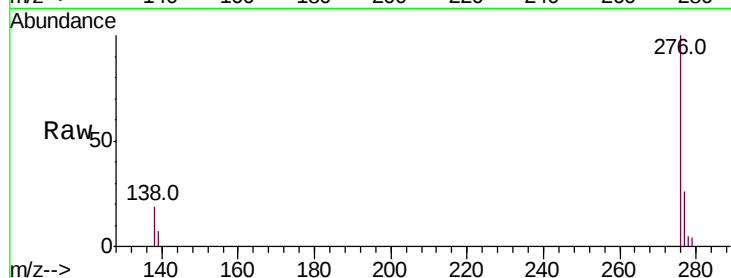
Lab File: BE098034.D

Acq: 24 Oct 2018 11:25

Instrument :

BNA_E

ClientSampleId :



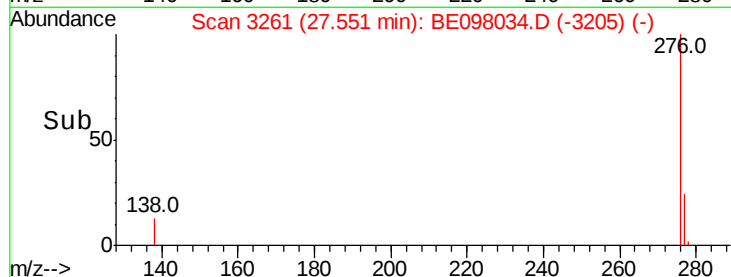
Tot Ion:276 Resp: 11466

Ion Ratio Lower Upper

276 100

277 26.1 22.1 33.1

138 18.5 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

