

Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE110518\
 Data File : BE098163.D
 Acq On : 5 Nov 2018 16:47
 Operator : SJ/JU
 Sample : SSTDCCC0.4
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :

Quant Time: Nov 05 17:44:07 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA E\METHODS\8270-SIM-BE110118.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Nov 01 13:00:52 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.88	152	1025	0.40	ng	0.00
7) Naphthalene-d8	10.68	136	4915	0.40	ng	0.01
13) Acenaphthene-d10	14.54	164	3245	0.40	ng	0.00
19) Phenanthrene-d10	17.29	188	7642	0.40	ng	0.01
27) Chrysene-d12	21.48	240	8546	0.40	ng	0.01
34) Perylene-d12	24.02	264	8340	0.40	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Fluorophenol	5.46	112	1223	0.40	ng	0.00
5) Phenol-d6	7.05	99	2007	0.40	ng	0.00
8) Nitrobenzene-d5	9.03	82	2137	0.41	ng	0.00
11) 2-Methylnaphthalene-d10	12.28	152	3607	0.42	ng	0.02
14) 2,4,6-Tribromophenol	16.03	330	594	0.39	ng	0.00
15) 2-Fluorobiphenyl	13.16	172	5452	0.41	ng	0.00
25) Fluoranthene-d10	19.31	212	39479	0.40	ng	0.00
29) Terphenyl-d14	19.91	244	8403	0.42	ng	0.00

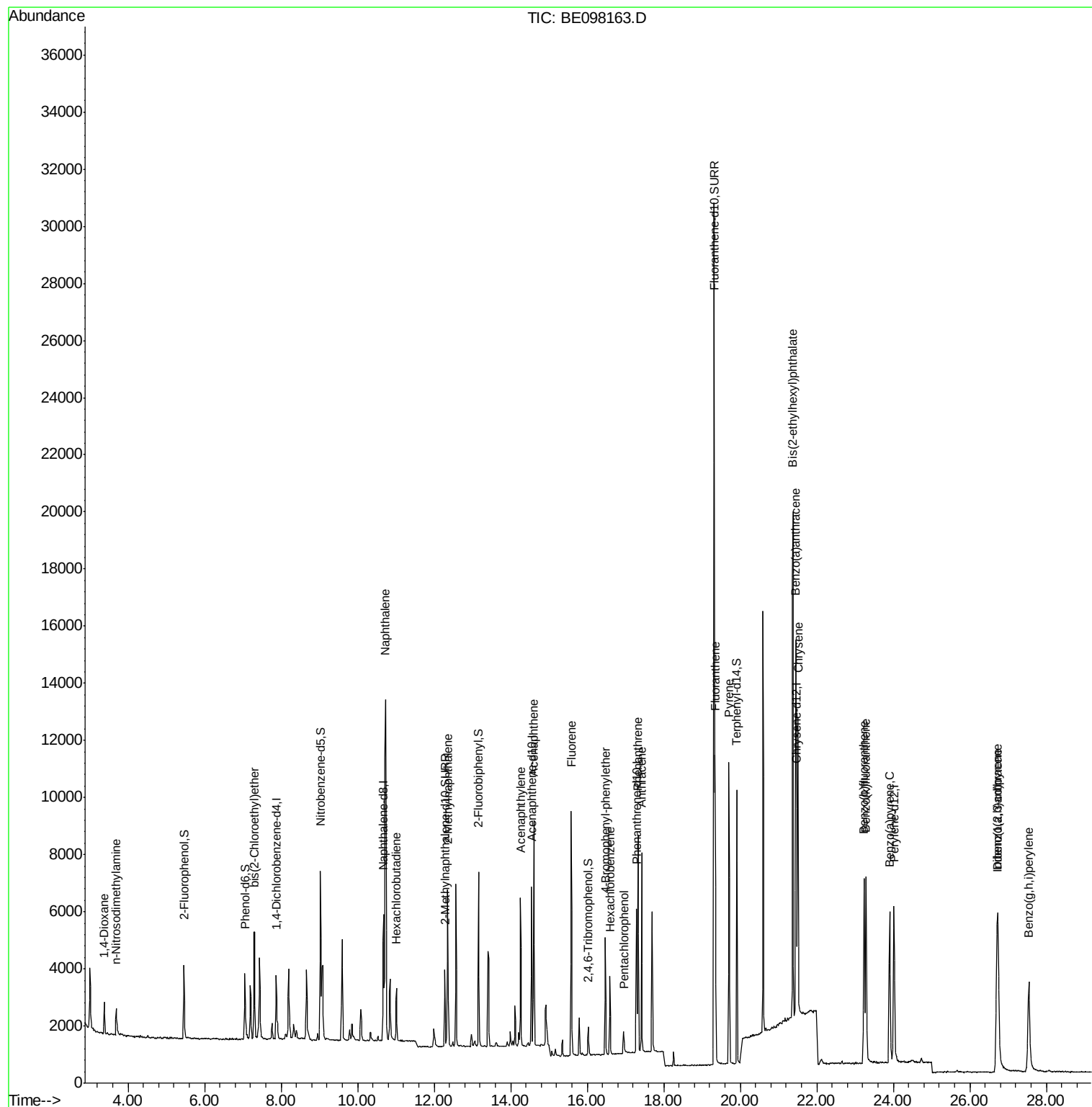
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) 1,4-Dioxane	3.37	88	636	0.416	ng	97
3) n-Nitrosodimethylamine	3.70	42	876	0.429	ng	# 79
6) bis(2-Chloroethyl)ether	7.30	93	1479	0.403	ng	91
9) Naphthalene	10.73	128	20338	0.414	ng	99
10) Hexachlorobutadiene	11.02	225	1338	0.415	ng	98
12) 2-Methylnaphthalene	12.35	142	3582	0.409	ng	95
16) Acenaphthylene	14.26	152	6213	0.420	ng	99
17) Acenaphthene	14.60	154	3746	0.421	ng	100
18) Fluorene	15.58	166	4815	0.408	ng	99
20) 4-Bromophenyl-phenylether	16.48	248	1933	0.415	ng	97
21) Hexachlorobenzene	16.59	284	2045	0.420	ng	97
22) Pentachlorophenol	16.95	266	527	0.500	ng	# 87
23) Phenanthrene	17.33	178	7691	0.406	ng	99
24) Anthracene	17.42	178	7434	0.413	ng	100
26) Fluoranthene	19.34	202	9556	0.403	ng	96
28) Pyrene	19.71	202	9916	0.425	ng	99
30) Benzo(a)anthracene	21.45	228	10343	0.414	ng	98
31) Chrysene	21.51	228	10538	0.427	ng	98
32) Bis(2-ethylhexyl)phthalate	21.38	149	24207	0.288	ng	100
33) Indeno(1,2,3-cd)pyrene	26.71	276	10286	0.400	ng	96
35) Benzo(b)fluoranthene	23.23	252	9689	0.413	ng	# 89
36) Benzo(k)fluoranthene	23.29	252	10066	0.414	ng	# 89
37) Benzo(a)pyrene	23.90	252	9160	0.399	ng	# 90
38) Dibenzo(a,h)anthracene	26.73	278	8374	0.391	ng	# 93
39) Benzo(g,h,i)perylene	27.54	276	8675	0.407	ng	# 88

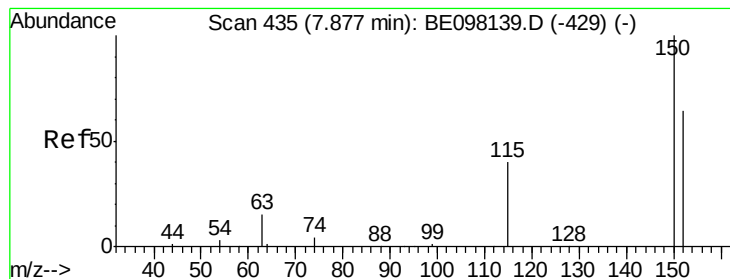
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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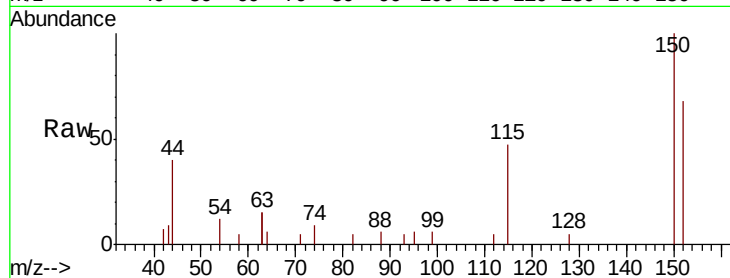


#1

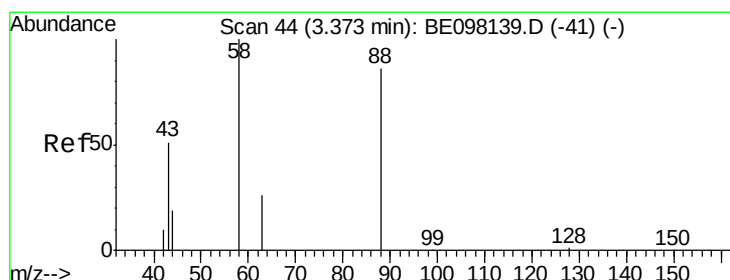
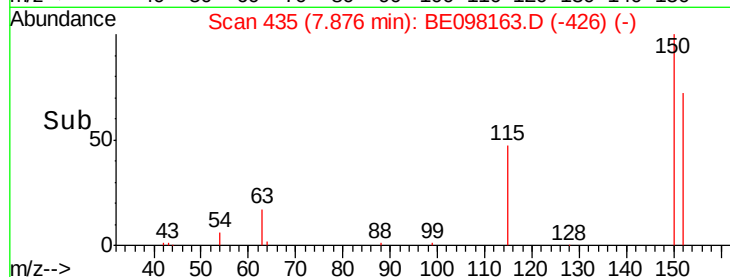
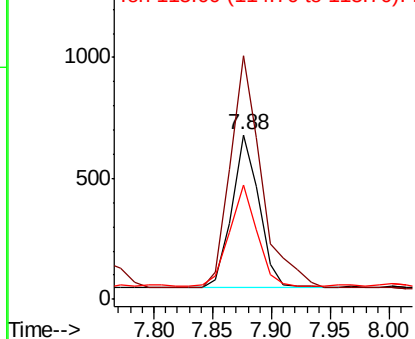
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.88 min Scan# 435
Delta R.T. -0.00 min
Lab File: BE098163.D
Acq: 5 Nov 2018 16:47

Instrument :
BNA_E
ClientSampled :

Tot Ion:152 Resp: 1025
Ion Ratio Lower Upper
152 100
150 147.7 118.2 177.4
115 69.6 50.9 76.3



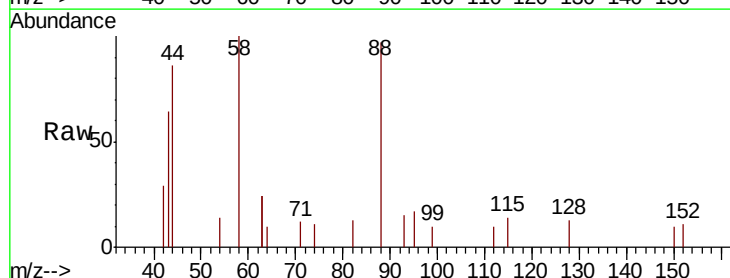
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



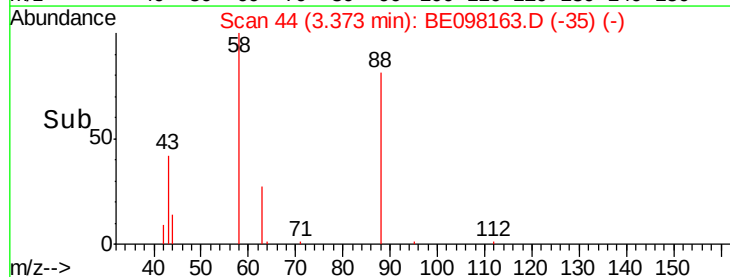
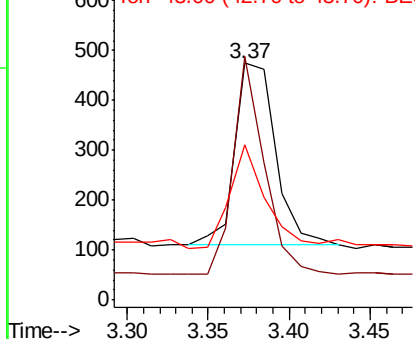
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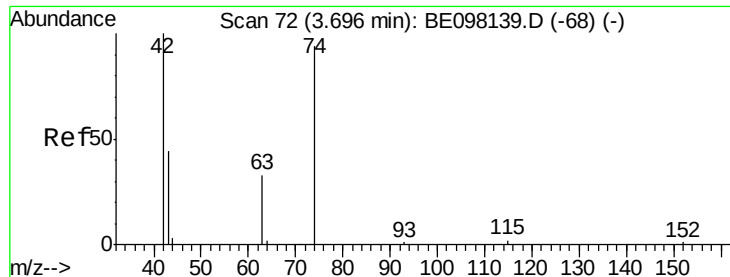
1,4-Dioxane
Concen: 0.416 ng
RT: 3.37 min Scan# 44
Delta R.T. -0.00 min
Lab File: BE098163.D
Acq: 5 Nov 2018 16:47

Tgt Ion: 88 Resp: 636
Ion Ratio Lower Upper
88 100
58 90.9 73.2 109.8
43 51.4 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



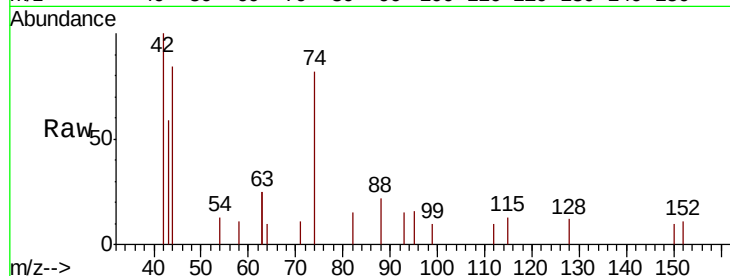


#3

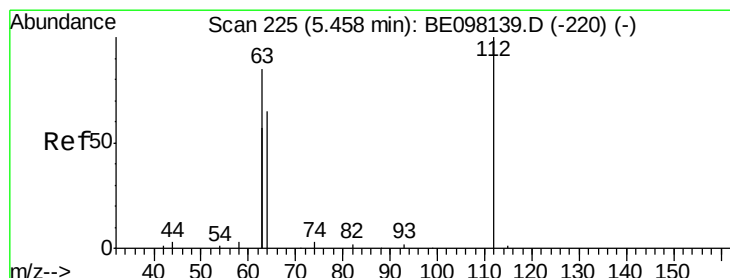
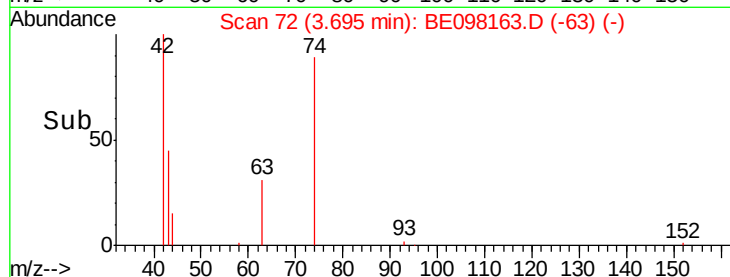
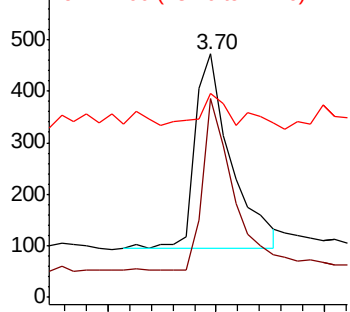
n-Nitrosodimethylamine
 Concen: 0.429 ng
 RT: 3.70 min Scan# 72
 Delta R.T. -0.00 min
 Lab File: BE098163.D
 Acq: 5 Nov 2018 16:47

Instrument :
 BNA_E
 ClientSampleId :

Tot Ion: 42 Resp: 876
 Ion Ratio Lower Upper
 42 100
 74 75.3 77.6 116.4#
 44 15.0 7.6 11.4#



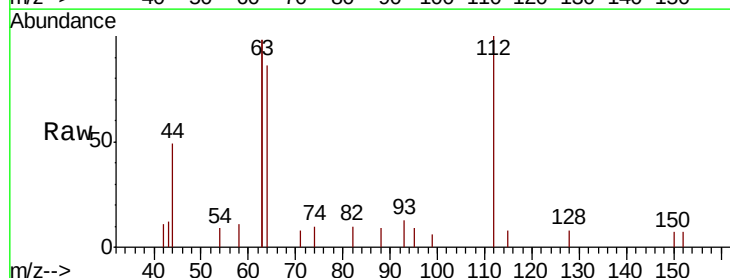
Abundance Ion 42.00 (41.70 to 42.70): BE0
 Ion 74.00 (73.70 to 74.70): BE0
 Ion 44.00 (43.70 to 44.70): BE0



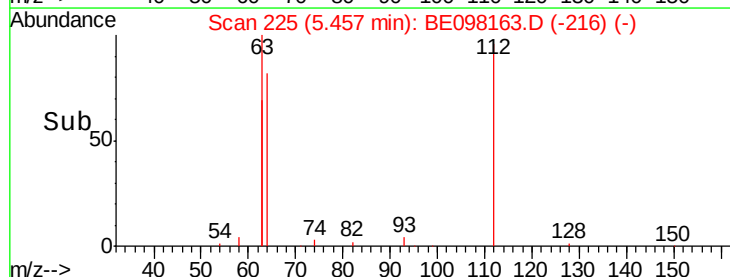
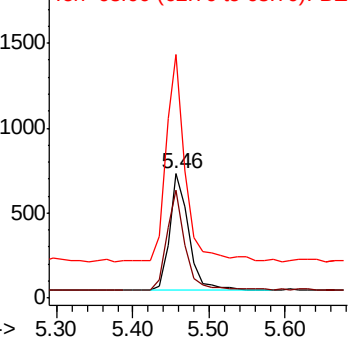
#4

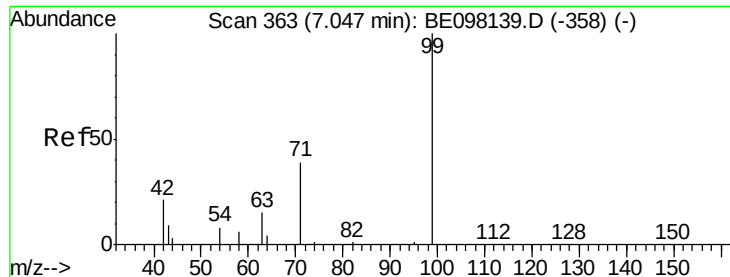
2-Fluorophenol
 Concen: 0.402 ng
 RT: 5.46 min Scan# 225
 Delta R.T. -0.00 min
 Lab File: BE098163.D
 Acq: 5 Nov 2018 16:47

Tgt Ion: 112 Resp: 1223
 Ion Ratio Lower Upper
 112 100
 64 81.8 58.9 88.3
 63 174.3 120.3 180.5



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: 0.401 ng

RT: 7.05 min Scan# 363

Delta R.T. -0.00 min

Lab File: BE098163.D

Acq: 5 Nov 2018 16:47

Instrument :

BNA_E

ClientSampled :

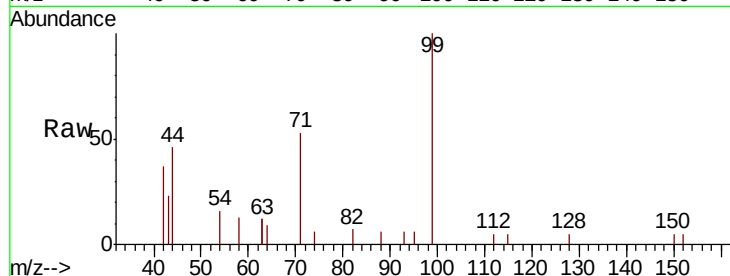
Tot Ion: 99 Resp: 2007

Ion Ratio Lower Upper

99 100

42 33.2 19.9 29.9#

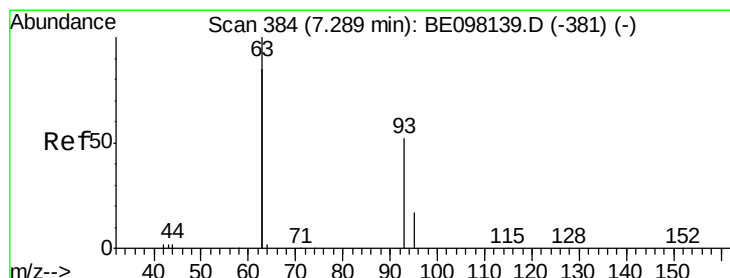
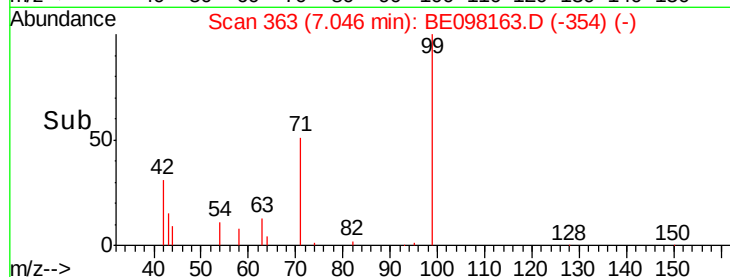
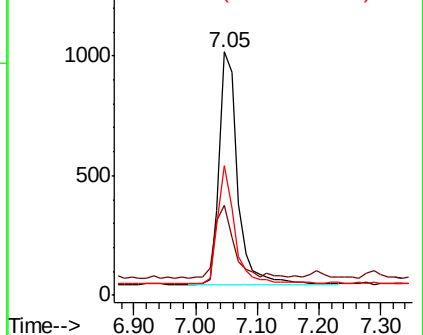
71 47.4 27.8 41.8#



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: 0.403 ng

RT: 7.30 min Scan# 385

Delta R.T. 0.01 min

Lab File: BE098163.D

Acq: 5 Nov 2018 16:47

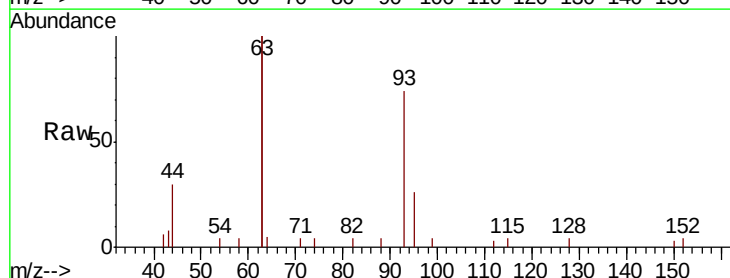
Tgt Ion: 93 Resp: 1479

Ion Ratio Lower Upper

93 100

63 343.0 259.0 388.4

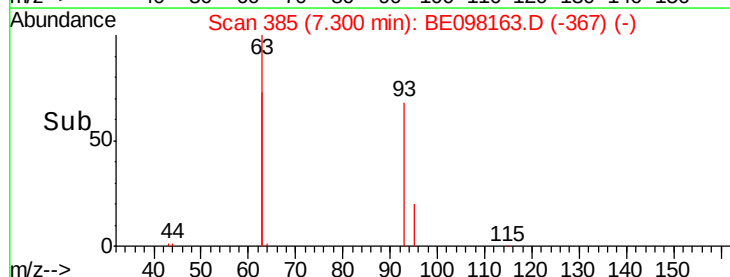
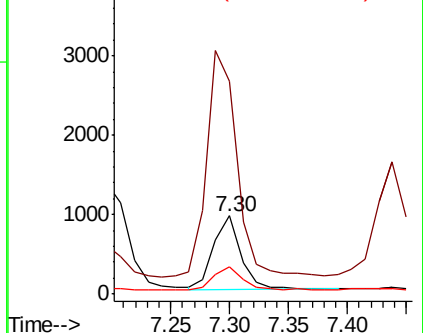
95 34.4 27.8 41.8

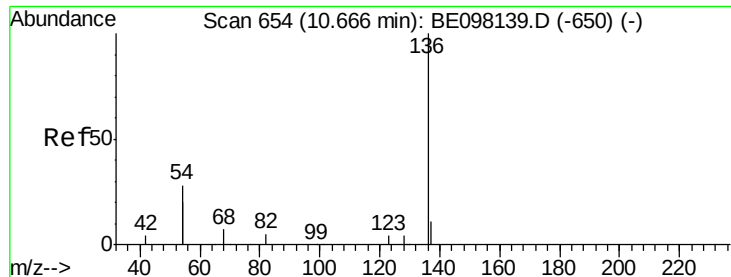


Abundance Ion 93.00 (92.70 to 93.70): BE0

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. 0.01 min

Lab File: BE098163.D

Acq: 5 Nov 2018 16:47

Instrument :

BNA_E

ClientSampleId :

Tot Ion:136 Resp: 4915

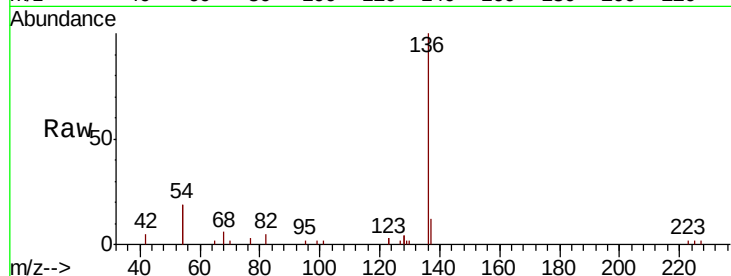
Ion Ratio Lower Upper

136 100

137 12.1 9.6 14.4

54 38.1 27.7 41.5

68 6.1 5.3 7.9

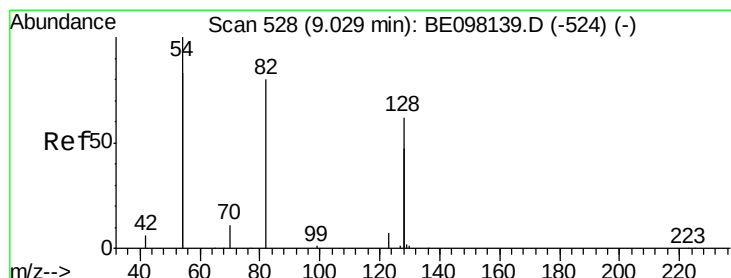
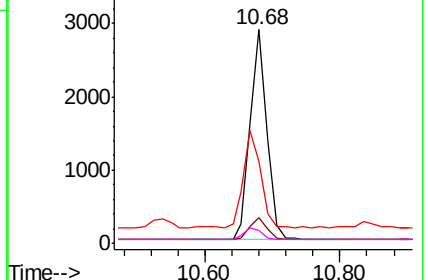
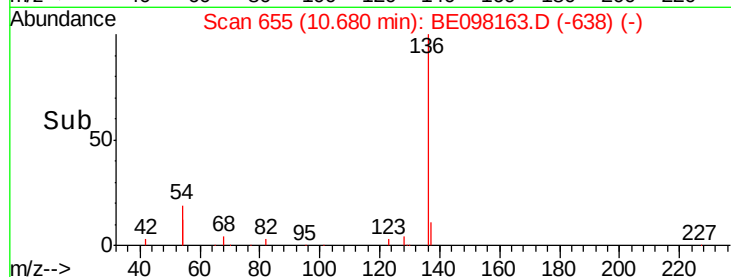


Abundance Ion 136.00 (135.70 to 136.70): E

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: 0.405 ng

RT: 9.03 min Scan# 528

Delta R.T. 0.00 min

Lab File: BE098163.D

Acq: 5 Nov 2018 16:47

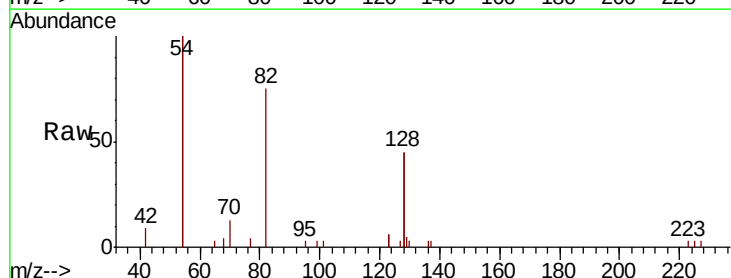
Tgt Ion: 82 Resp: 2137

Ion Ratio Lower Upper

82 100

128 121.2 129.9 194.9#

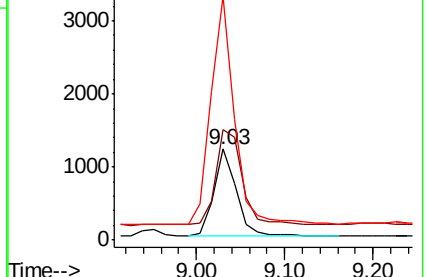
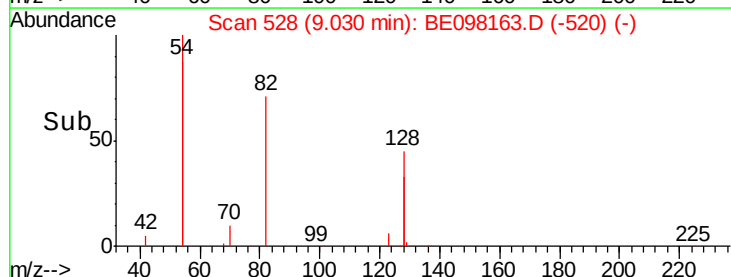
54 266.8 174.0 261.0#

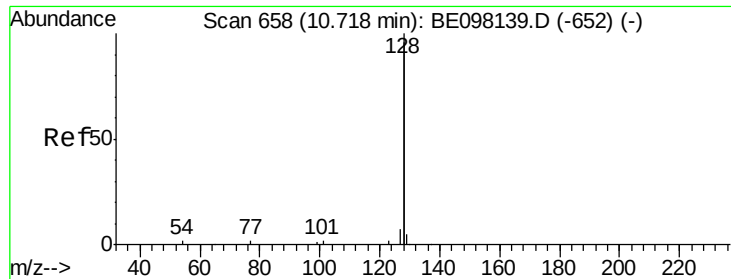


Abundance Ion 82.00 (81.70 to 82.70): BE0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BE0





#9

Naphthalene

Concen: 0.414 ng

RT: 10.73 min Scan# 659

Delta R.T. 0.01 min

Lab File: BE098163.D

Acq: 5 Nov 2018 16:47

Instrument :

BNA_E

ClientSampleId :

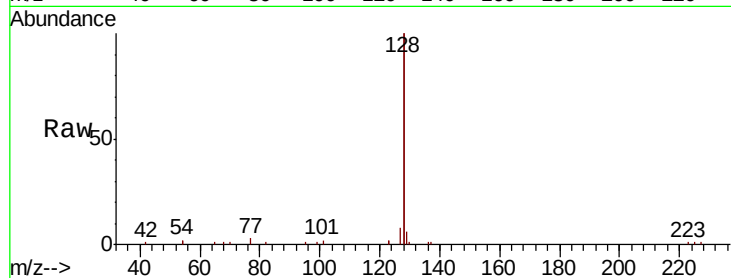
Tot Ion:128 Resp: 20338

Ion Ratio Lower Upper

128 100

129 3.2 2.5 3.7

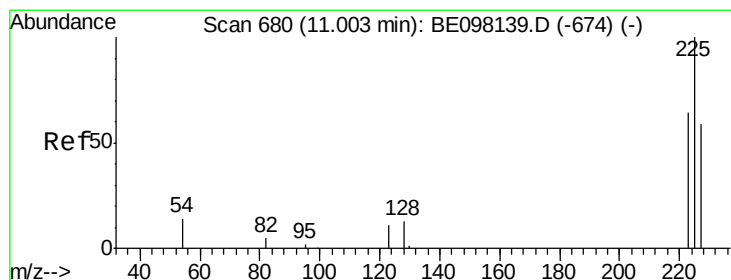
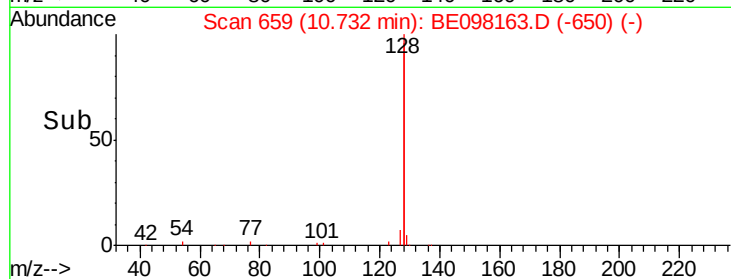
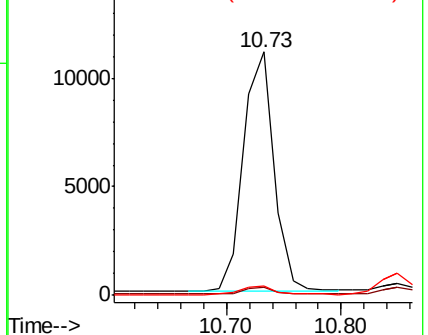
127 3.8 2.8 4.2



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: 0.415 ng

RT: 11.02 min Scan# 681

Delta R.T. 0.01 min

Lab File: BE098163.D

Acq: 5 Nov 2018 16:47

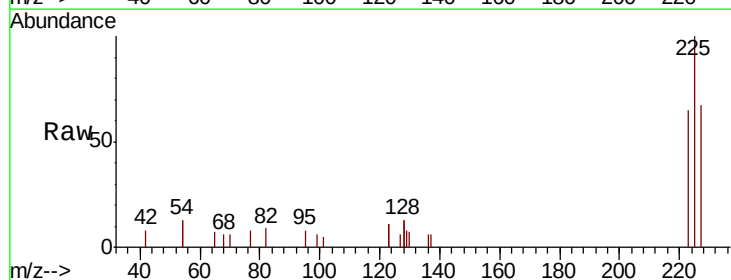
Tgt Ion:225 Resp: 1338

Ion Ratio Lower Upper

225 100

223 62.2 51.8 77.8

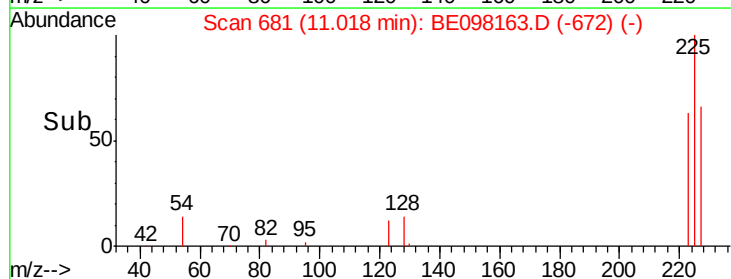
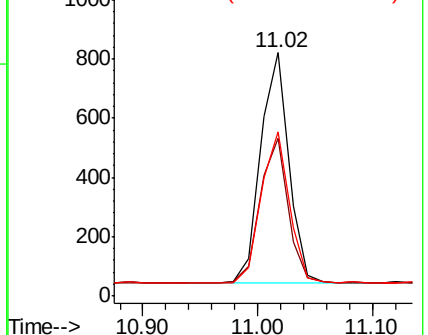
227 66.2 53.0 79.6

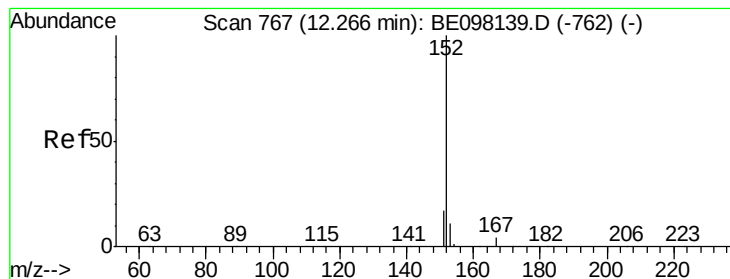


Abundance Ion 225.00 (224.70 to 225.70): E

Ion 223.00 (222.70 to 223.70): E

Ion 227.00 (226.70 to 227.70): E





#11

2-Methylnaphthalene-d10

Concen: 0.416 ng

RT: 12.28 min Scan# 768

Delta R.T. 0.02 min

Lab File: BE098163.D

Acq: 5 Nov 2018 16:47

Instrument :

BNA_E

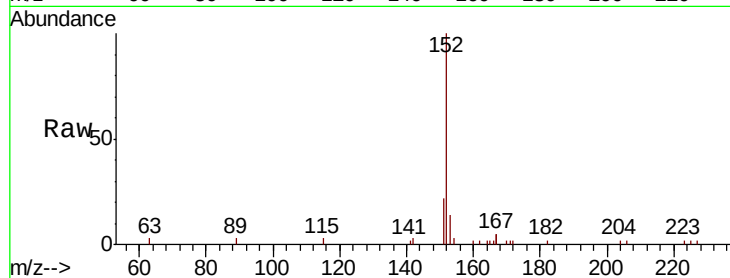
ClientSampleId :

Tot Ion:152 Resp: 3607

Ion Ratio Lower Upper

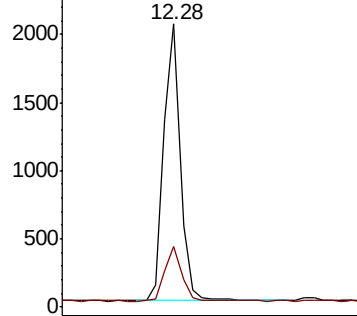
152 100

151 20.2 16.2 24.4

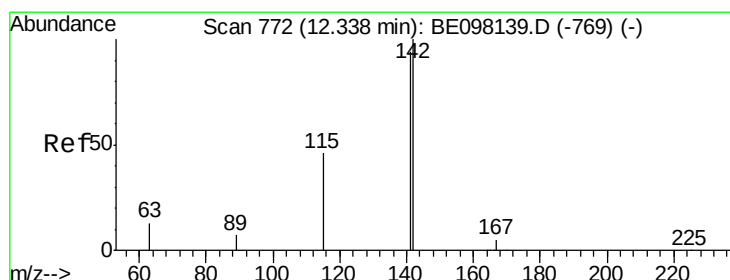
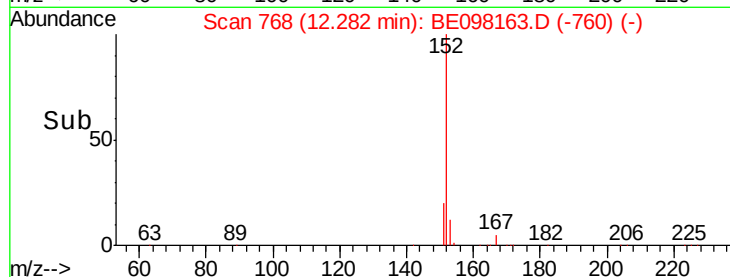


Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E



Time-->



#12

2-Methylnaphthalene

Concen: 0.409 ng

RT: 12.35 min Scan# 773

Delta R.T. 0.02 min

Lab File: BE098163.D

Acq: 5 Nov 2018 16:47

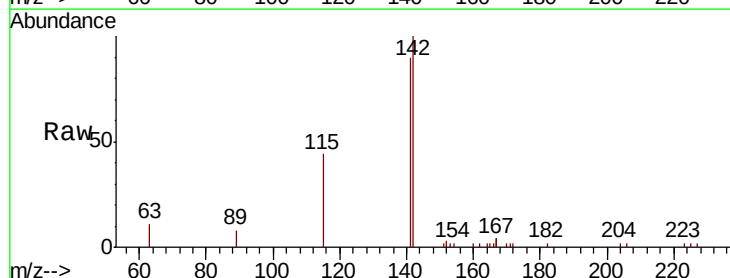
Tgt Ion:142 Resp: 3582

Ion Ratio Lower Upper

142 100

141 90.4 69.8 104.6

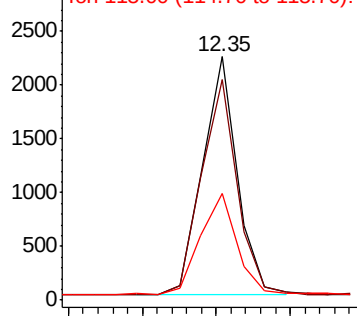
115 43.6 30.5 45.7



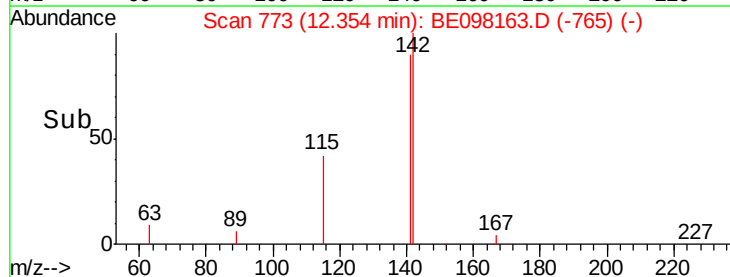
Abundance Ion 142.00 (141.70 to 142.70): E

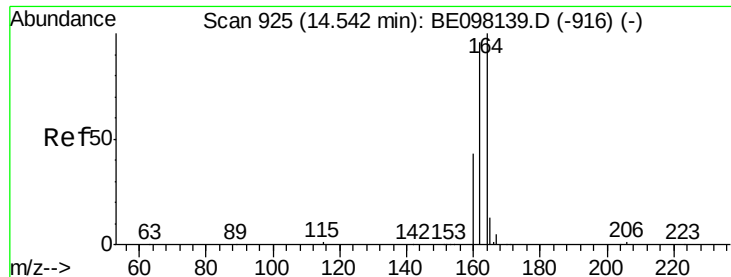
Ion 141.00 (140.70 to 141.70): E

Ion 115.00 (114.70 to 115.70): E



Time-->

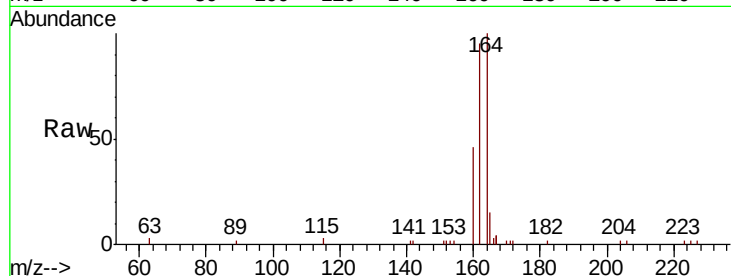




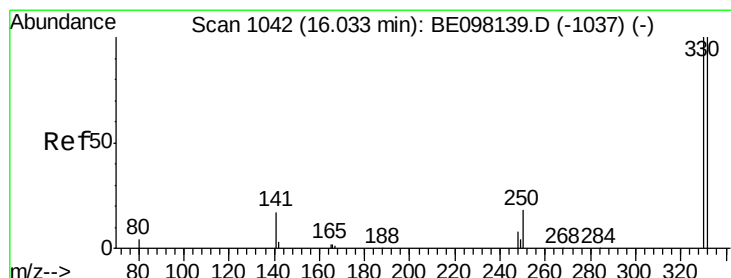
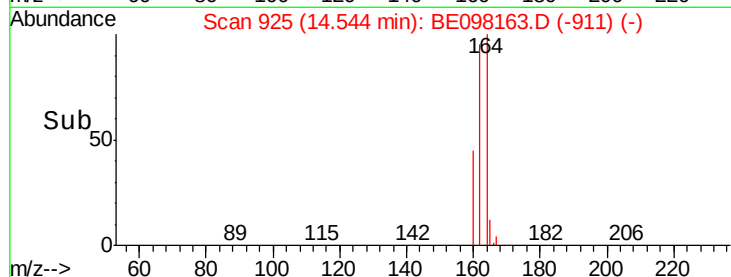
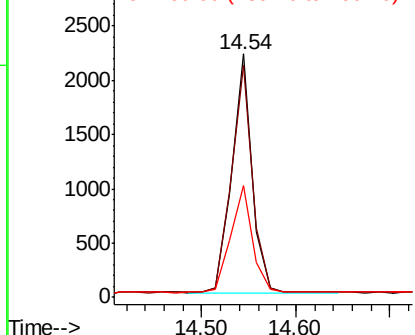
#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.54 min Scan# 925
Delta R.T. 0.00 min
Lab File: BE098163.D
Acq: 5 Nov 2018 16:47

Instrument :
BNA_E
ClientSampleId :

Tot Ion:164 Resp: 3245
Ion Ratio Lower Upper
164 100
162 95.2 77.4 116.2
160 45.7 36.5 54.7

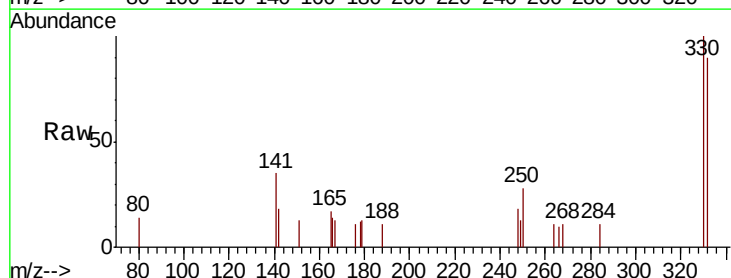


Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

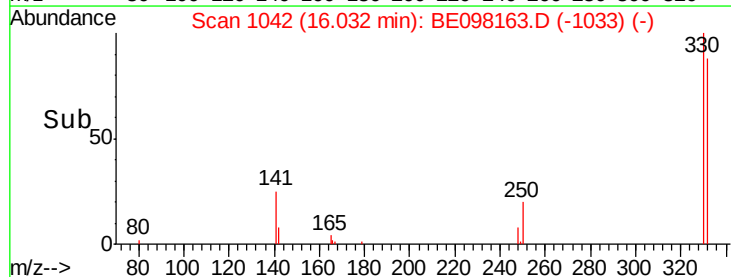
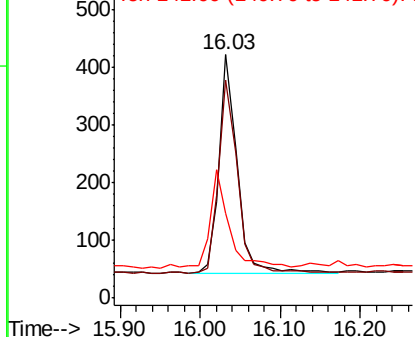


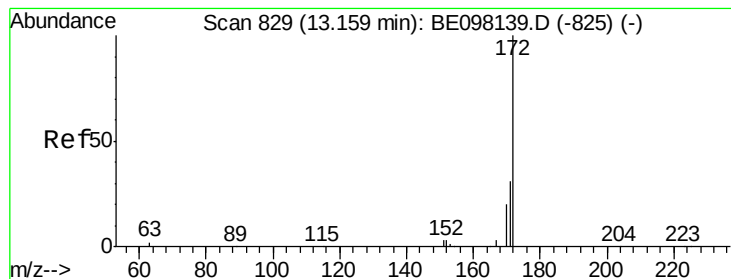
#14
2,4,6-Tribromophenol
Concen: 0.387 ng
RT: 16.03 min Scan# 1042
Delta R.T. -0.00 min
Lab File: BE098163.D
Acq: 5 Nov 2018 16:47

Tgt Ion:330 Resp: 594
Ion Ratio Lower Upper
330 100
332 92.6 76.5 114.7
141 46.1 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

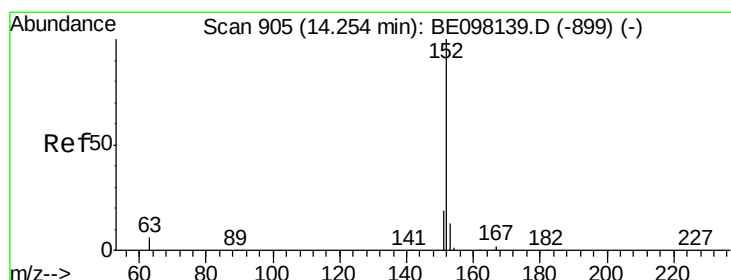
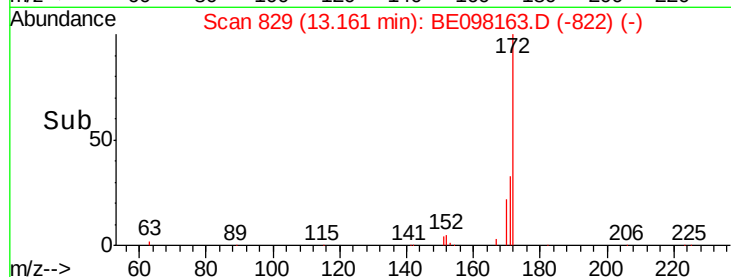
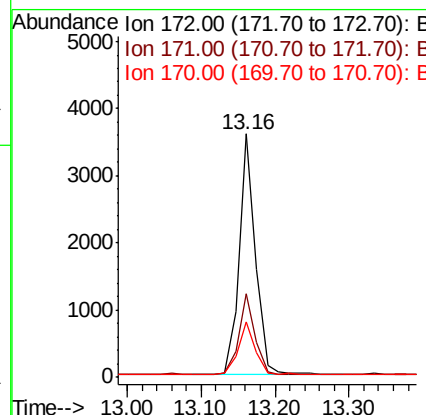
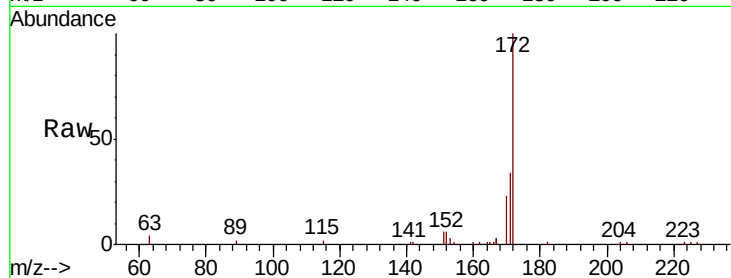




#15
2-Fluorobiphenyl
Concen: 0.409 ng
RT: 13.16 min Scan# 829
Delta R.T. 0.00 min
Lab File: BE098163.D
Acq: 5 Nov 2018 16:47

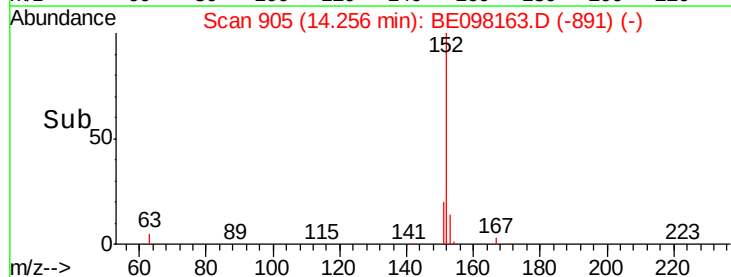
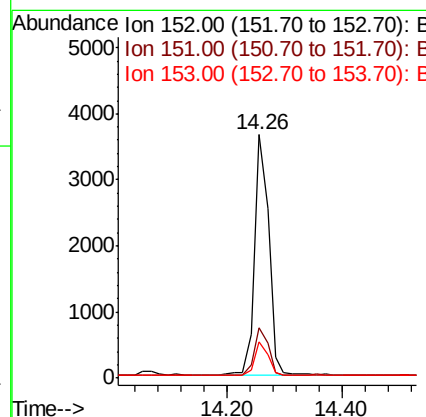
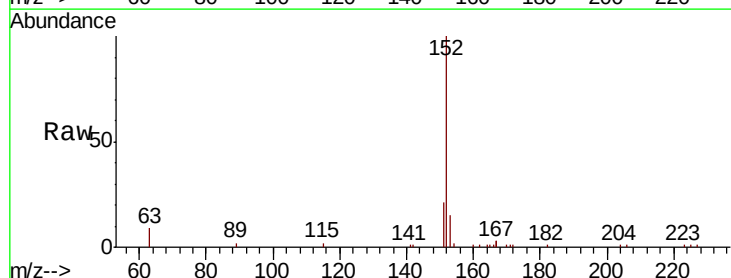
Instrument :
BNA_E
ClientSampleId :

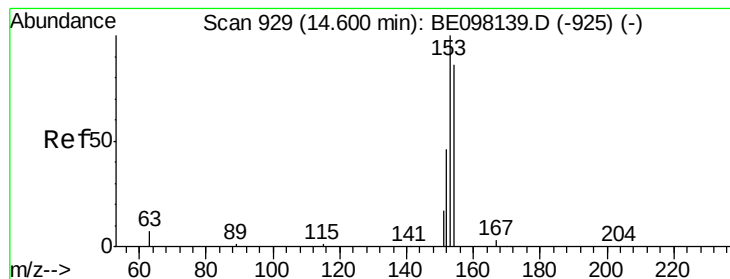
Tot Ion:172 Resp: 5452
Ion Ratio Lower Upper
172 100
171 34.1 26.0 39.0
170 22.9 18.0 27.0



#16
Acenaphthylene
Concen: 0.420 ng
RT: 14.26 min Scan# 905
Delta R.T. 0.00 min
Lab File: BE098163.D
Acq: 5 Nov 2018 16:47

Tgt Ion:152 Resp: 6213
Ion Ratio Lower Upper
152 100
151 19.9 16.1 24.1
153 12.9 10.9 16.3





#17

Acenaphthene

Concen: 0.421 ng

RT: 14.60 min Scan# 929

Delta R.T. 0.00 min

Lab File: BE098163.D

Acq: 5 Nov 2018 16:47

Instrument :

BNA_E

ClientSampleId :

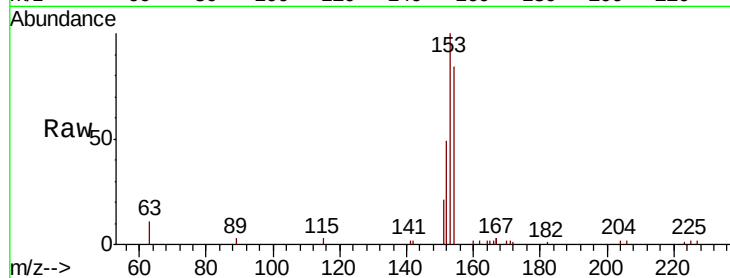
Tot Ion:154 Resp: 3746

Ion Ratio Lower Upper

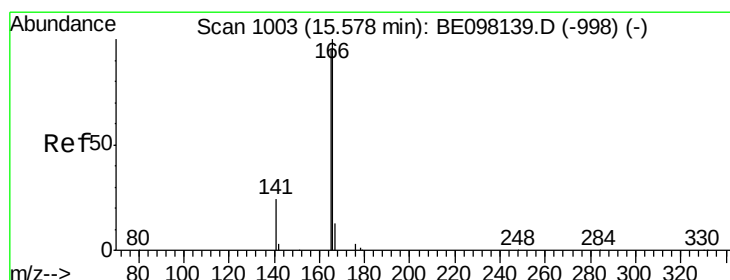
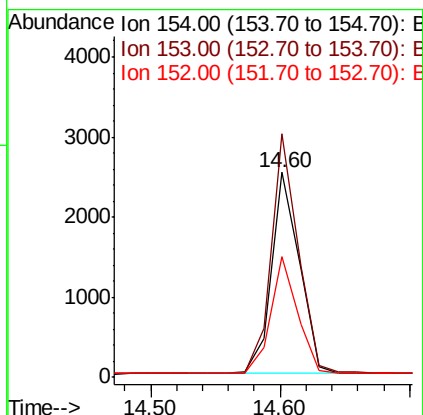
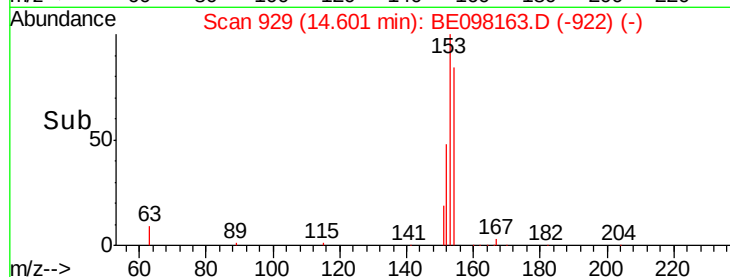
154 100

153 116.1 92.6 139.0

152 56.5 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: 0.408 ng

RT: 15.58 min Scan# 1003

Delta R.T. -0.00 min

Lab File: BE098163.D

Acq: 5 Nov 2018 16:47

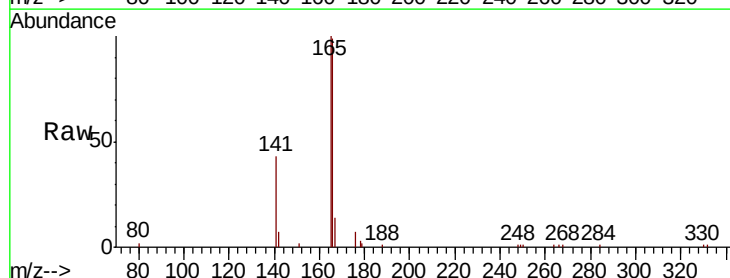
Tgt Ion:166 Resp: 4815

Ion Ratio Lower Upper

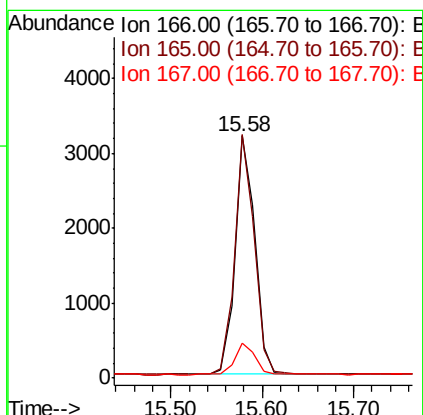
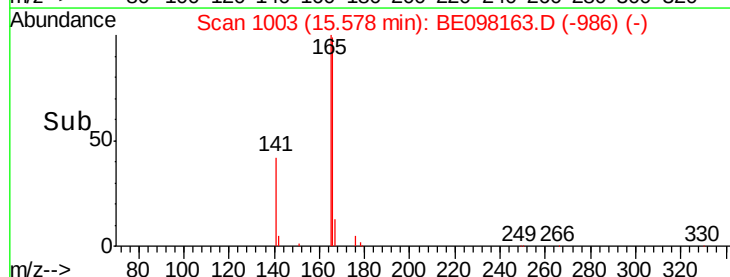
166 100

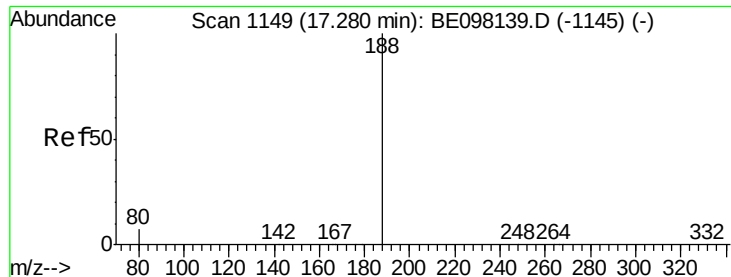
165 98.9 78.2 117.4

167 13.7 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. 0.01 min

Lab File: BE098163.D

Acq: 5 Nov 2018 16:47

Instrument :

BNA_E

ClientSampleId :

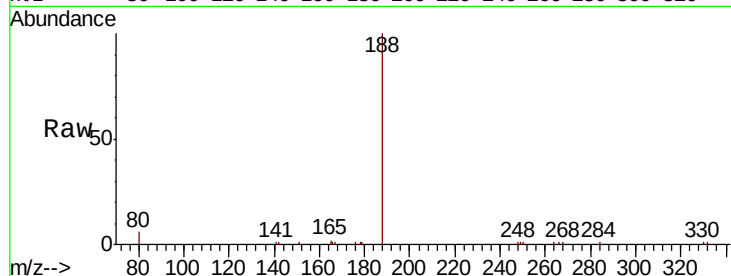
Tot Ion:188 Resp: 7642

Ion Ratio Lower Upper

188 100

94 0.0 0.0 0.0

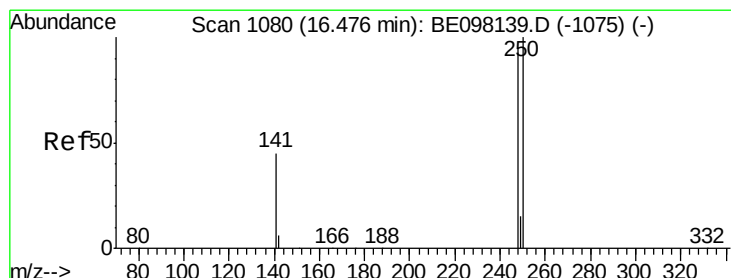
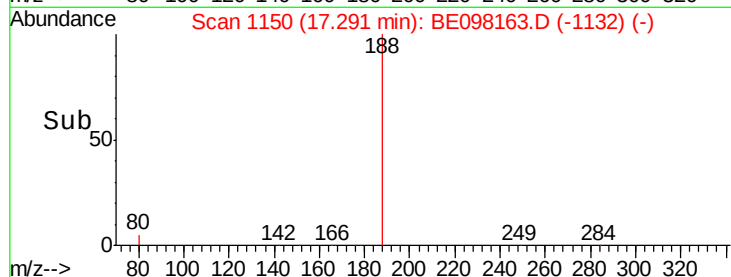
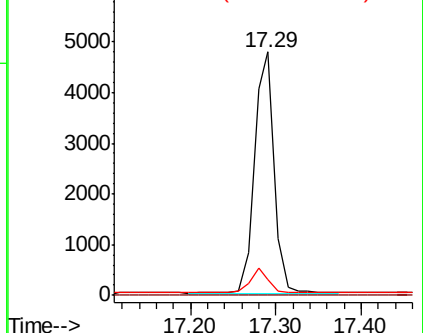
80 6.3 6.3 9.5



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: 0.415 ng

RT: 16.48 min Scan# 1080

Delta R.T. -0.00 min

Lab File: BE098163.D

Acq: 5 Nov 2018 16:47

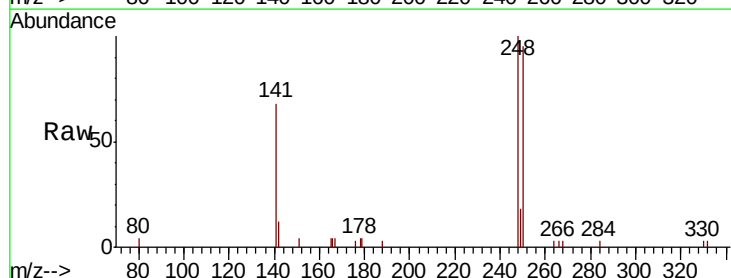
Tgt Ion:248 Resp: 1933

Ion Ratio Lower Upper

248 100

250 95.1 75.1 112.7

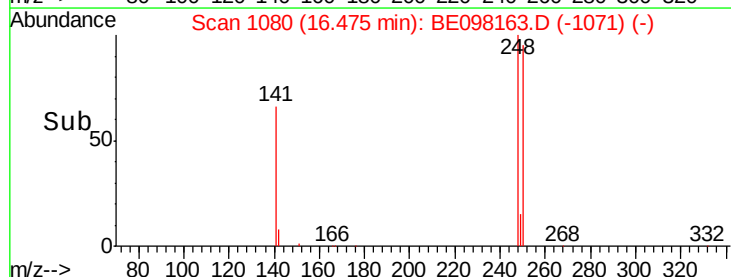
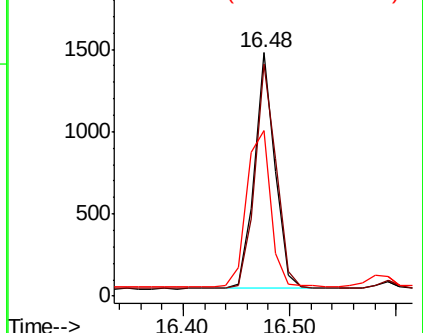
141 68.2 51.8 77.8

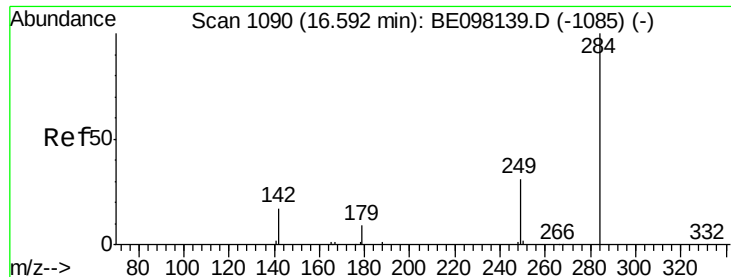


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E





#21

Hexachlorobenzene

Concen: 0.420 ng

RT: 16.59 min Scan# 1090

Delta R.T. -0.00 min

Lab File: BE098163.D

Acq: 5 Nov 2018 16:47

Instrument :

BNA_E

ClientSampleId :

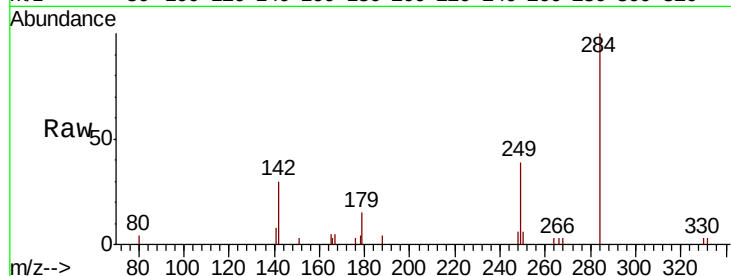
Tot Ion:284 Resp: 2045

Ion Ratio Lower Upper

284 100

142 33.3 25.9 38.9

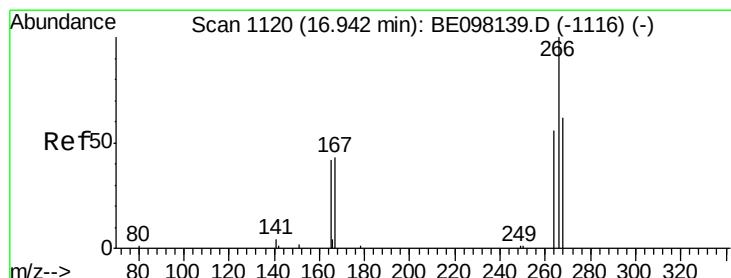
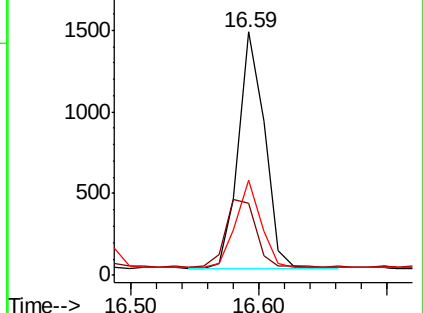
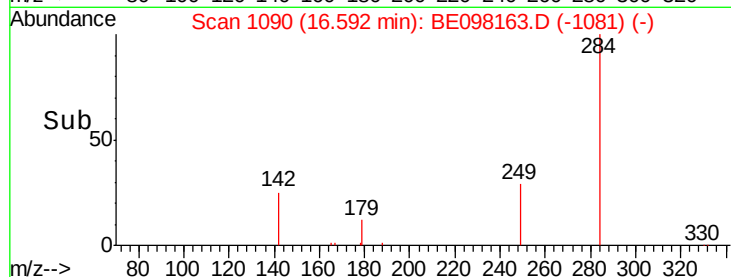
249 36.2 26.6 40.0



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: 0.500 ng

RT: 16.95 min Scan# 1121

Delta R.T. 0.01 min

Lab File: BE098163.D

Acq: 5 Nov 2018 16:47

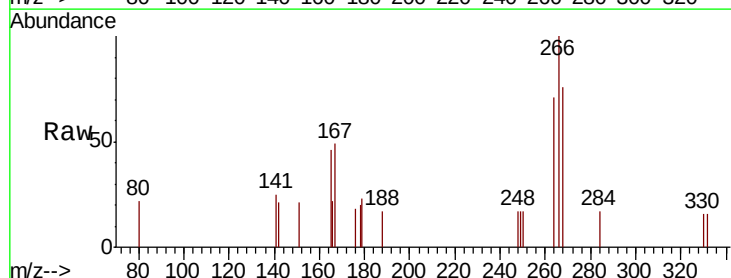
Tgt Ion:266 Resp: 527

Ion Ratio Lower Upper

266 100

264 71.5 51.3 76.9

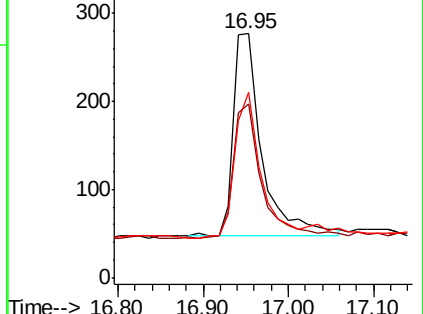
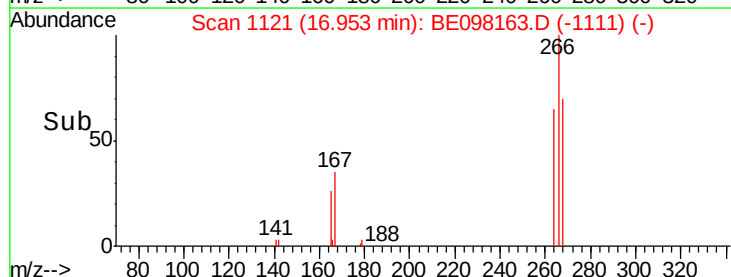
268 75.8 50.1 75.1#

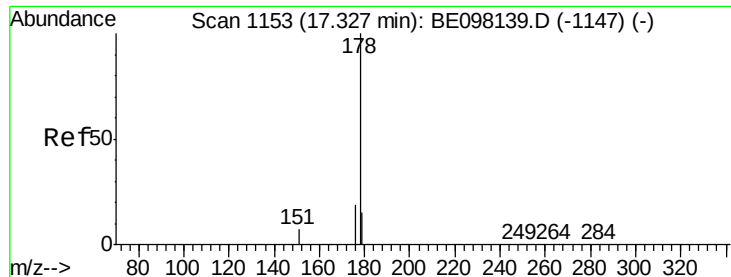


Abundance Ion 266.00 (265.70 to 266.70): E

Ion 264.00 (263.70 to 264.70): E

Ion 268.00 (267.70 to 268.70): E





#23

Phenanthrene

Concen: 0.406 ng

RT: 17.33 min Scan# 1153

Delta R.T. -0.00 min

Lab File: BE098163.D

Acq: 5 Nov 2018 16:47

Instrument :

BNA_E

ClientSampleId :

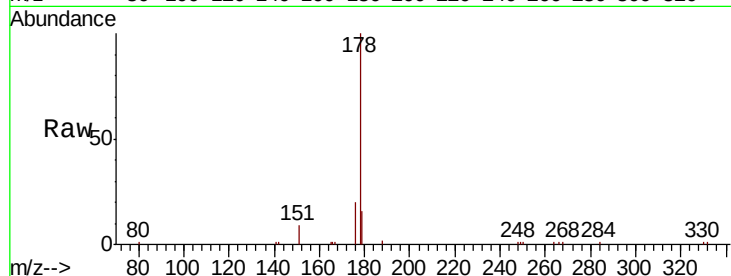
Tot Ion:178 Resp: 7691

Ion Ratio Lower Upper

178 100

176 19.9 15.5 23.3

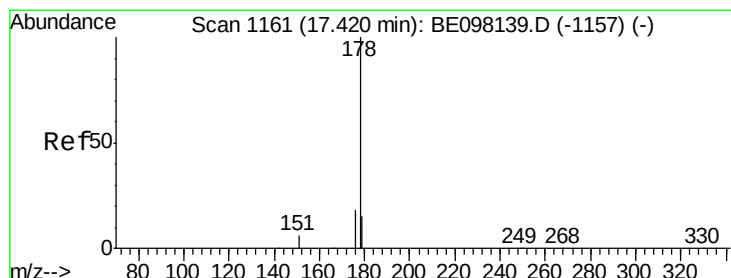
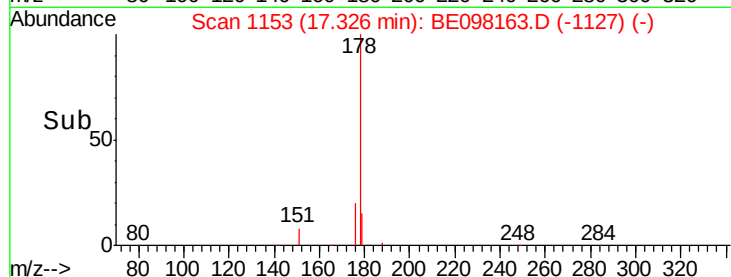
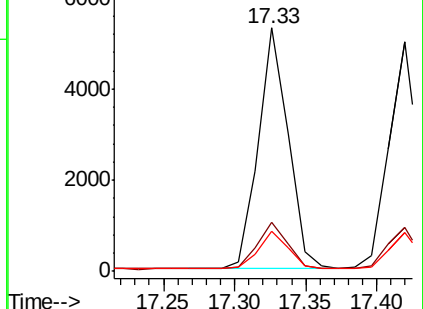
179 15.4 12.2 18.4



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: 0.413 ng

RT: 17.42 min Scan# 1161

Delta R.T. -0.00 min

Lab File: BE098163.D

Acq: 5 Nov 2018 16:47

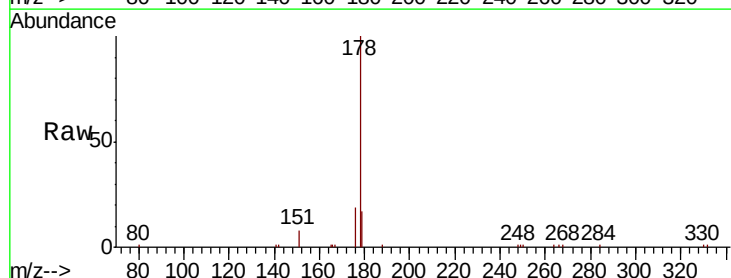
Tgt Ion:178 Resp: 7434

Ion Ratio Lower Upper

178 100

176 18.4 14.9 22.3

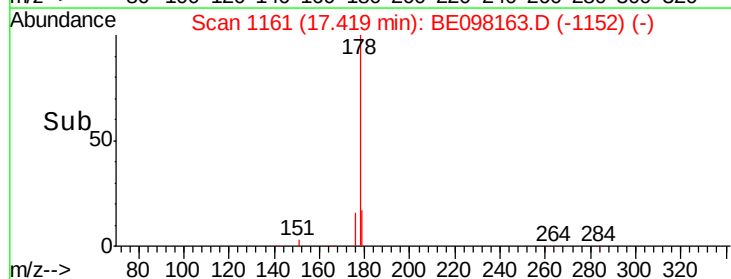
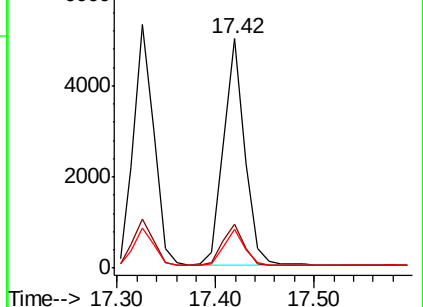
179 15.0 11.9 17.9

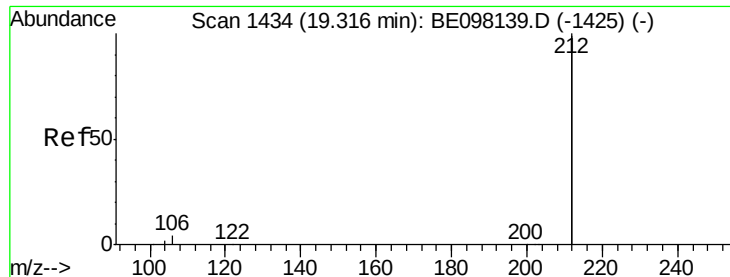


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#25

Fluoranthene-d10

Concen: 0.401 ng

RT: 19.31 min Scan# 1434

Delta R.T. -0.00 min

Lab File: BE098163.D

Acq: 5 Nov 2018 16:47

Instrument :

BNA_E

ClientSampleId :

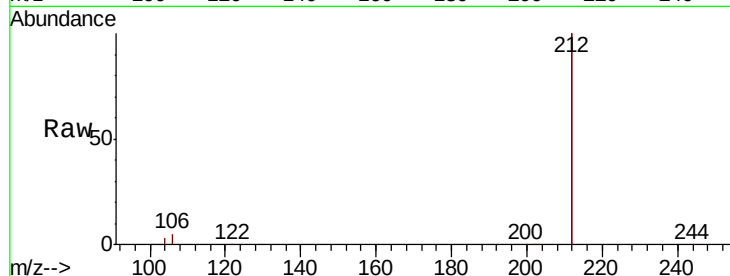
Tot Ion:212 Resp: 39479

Ion Ratio Lower Upper

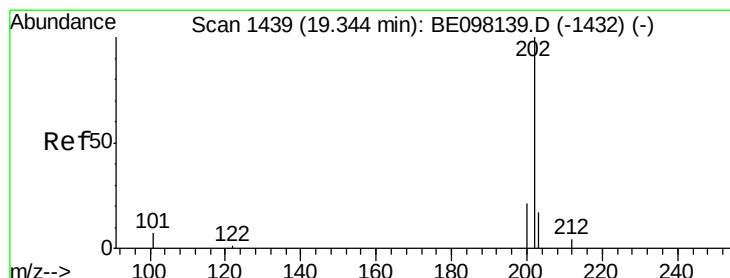
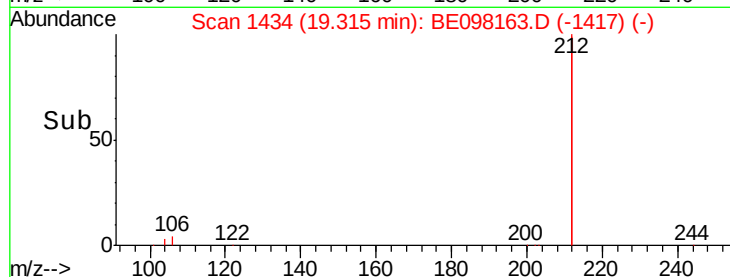
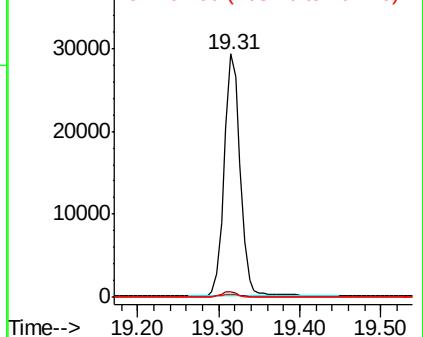
212 100

106 2.2 2.3 3.5#

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: 0.403 ng

RT: 19.34 min Scan# 1439

Delta R.T. -0.00 min

Lab File: BE098163.D

Acq: 5 Nov 2018 16:47

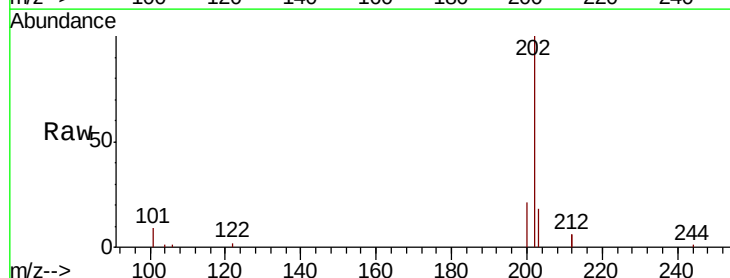
Tgt Ion:202 Resp: 9556

Ion Ratio Lower Upper

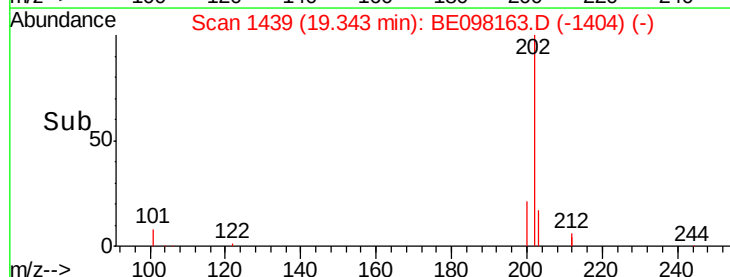
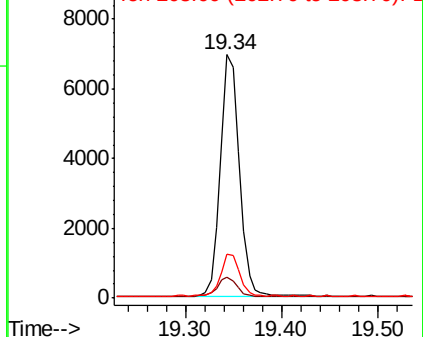
202 100

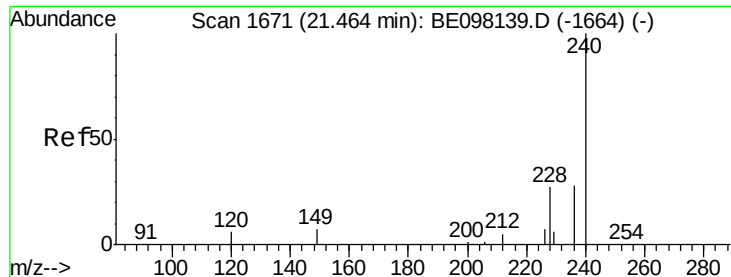
101 8.4 8.2 12.2

203 16.9 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

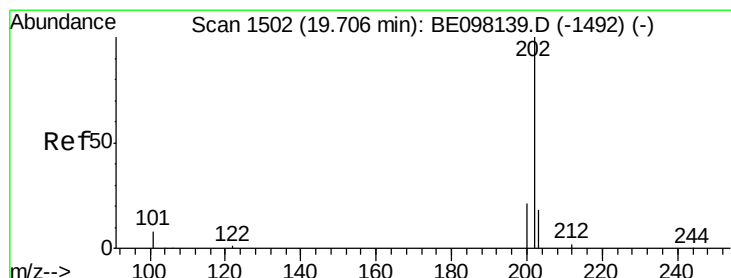
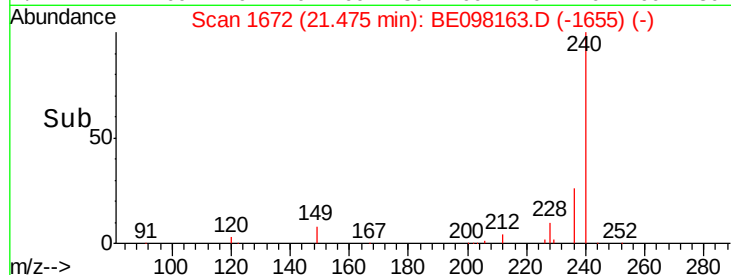
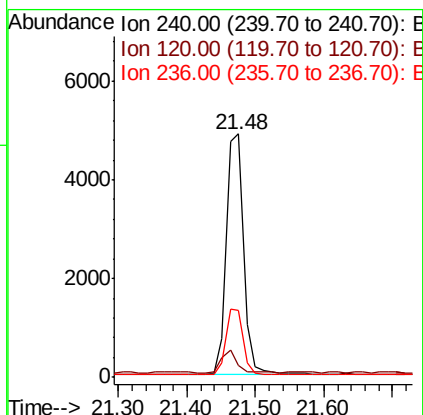
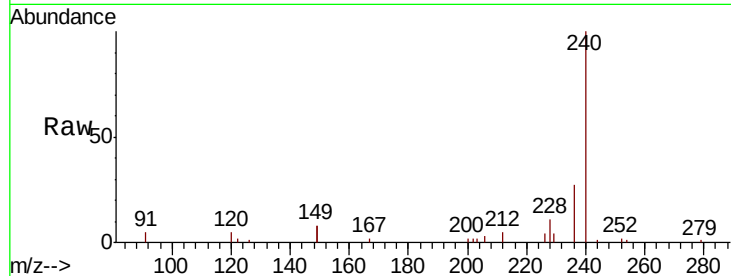




#27
Chrysene-d12
Concen: 0.400 ng
RT: 21.48 min Scan# 1672
Delta R.T. 0.01 min
Lab File: BE098163.D
Acq: 5 Nov 2018 16:47

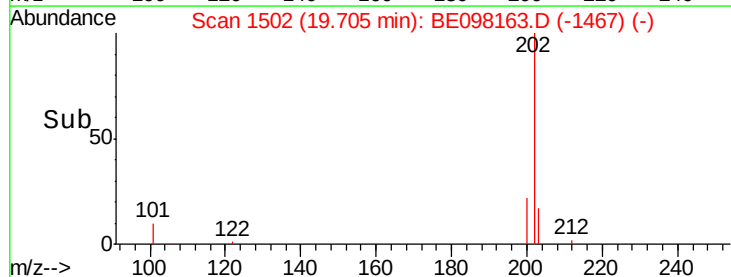
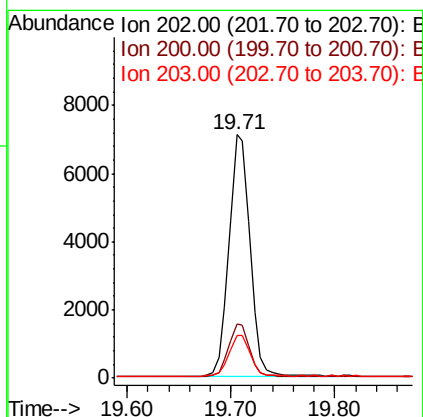
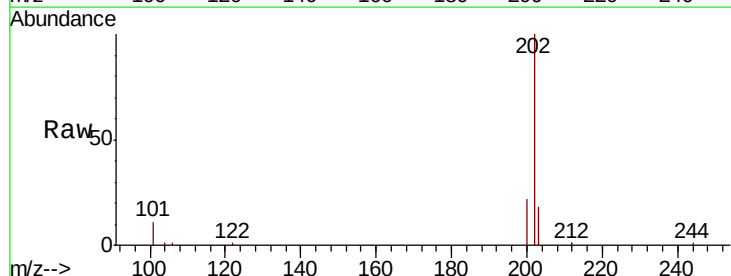
Instrument :
BNA_E
ClientSampleId :

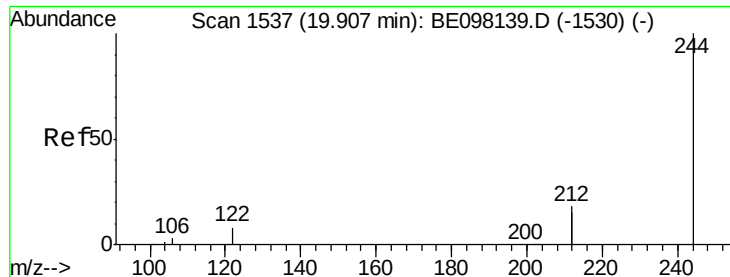
Tot Ion:240 Resp: 8546
Ion Ratio Lower Upper
240 100
120 4.7 7.1 10.7#
236 27.4 21.3 31.9



#28
Pyrene
Concen: 0.425 ng
RT: 19.71 min Scan# 1502
Delta R.T. -0.00 min
Lab File: BE098163.D
Acq: 5 Nov 2018 16:47

Tgt Ion:202 Resp: 9916
Ion Ratio Lower Upper
202 100
200 21.4 17.0 25.4
203 17.3 14.2 21.4





#29

Terphenyl-d14

Concen: 0.423 ng

RT: 19.91 min Scan# 1538

Delta R.T. 0.00 min

Lab File: BE098163.D

Acq: 5 Nov 2018 16:47

Instrument :

BNA_E

ClientSampleId :

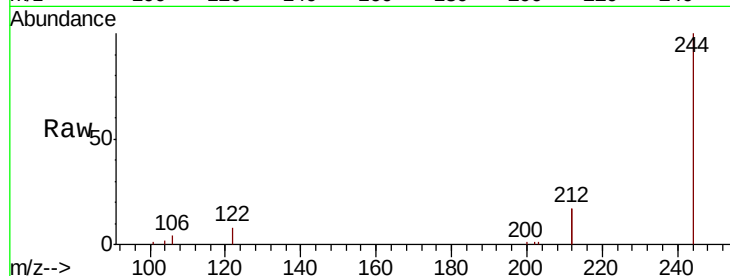
Tot Ion:244 Resp: 8403

Ion Ratio Lower Upper

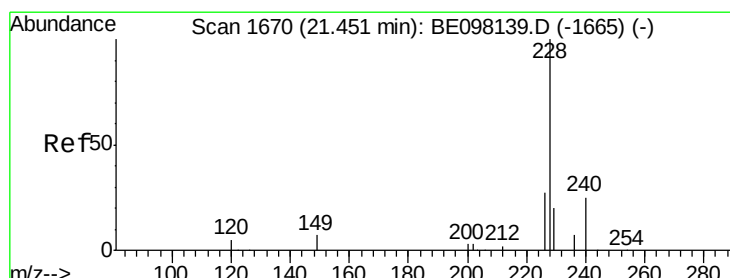
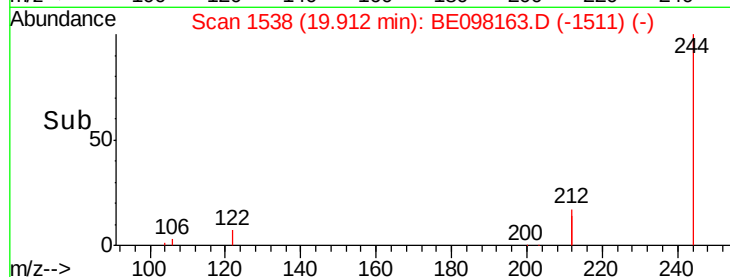
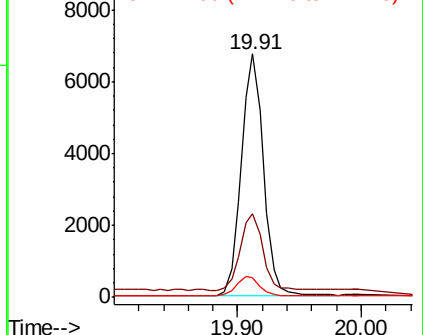
244 100

212 34.2 26.2 39.2

122 7.9 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: 0.414 ng

RT: 21.45 min Scan# 1670

Delta R.T. -0.00 min

Lab File: BE098163.D

Acq: 5 Nov 2018 16:47

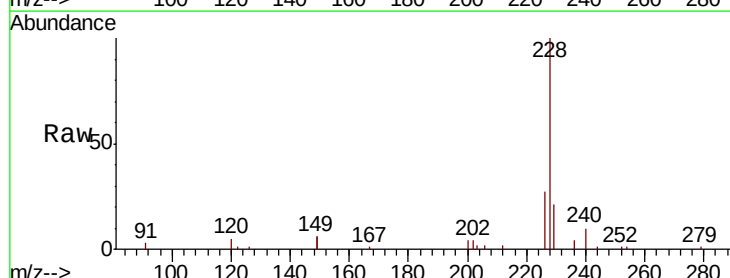
Tgt Ion:228 Resp: 10343

Ion Ratio Lower Upper

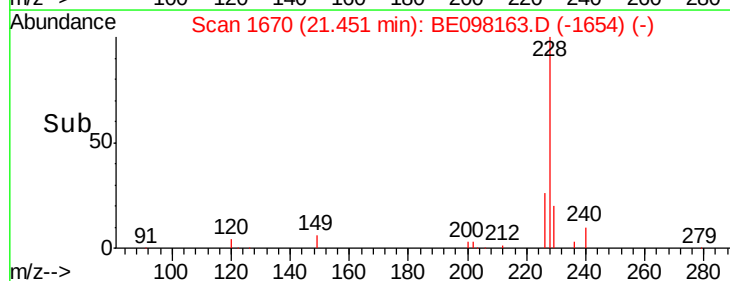
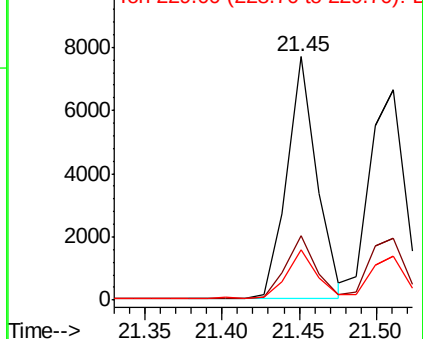
228 100

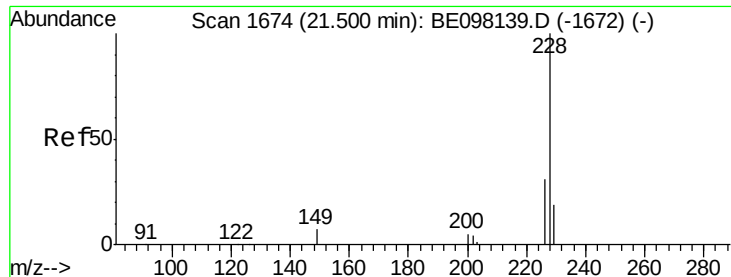
226 26.7 22.6 33.8

229 20.8 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: 0.427 ng

RT: 21.51 min Scan# 1675

Delta R.T. 0.01 min

Lab File: BE098163.D

Acq: 5 Nov 2018 16:47

Instrument :

BNA_E

ClientSampleId :

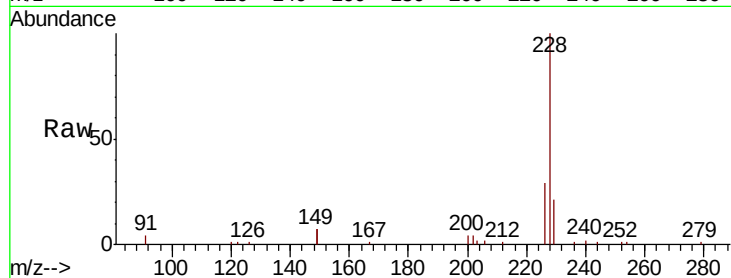
Tot Ion:228 Resp: 10538

Ion Ratio Lower Upper

228 100

226 29.2 24.3 36.5

229 20.6 17.3 25.9

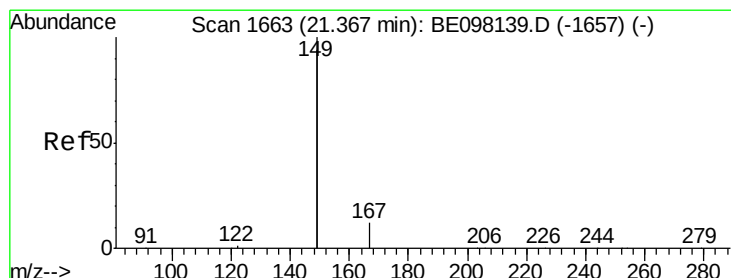
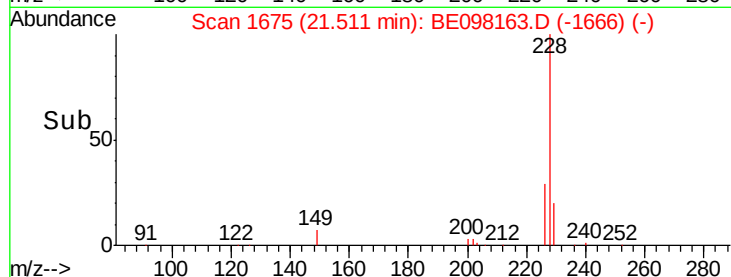
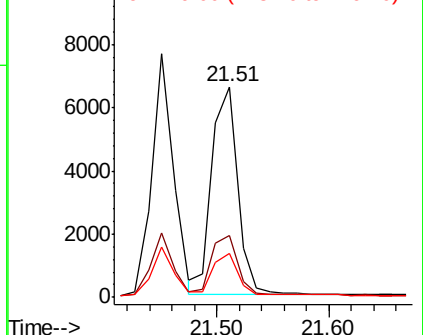


Abundance

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: 0.288 ng

RT: 21.38 min Scan# 1664

Delta R.T. 0.01 min

Lab File: BE098163.D

Acq: 5 Nov 2018 16:47

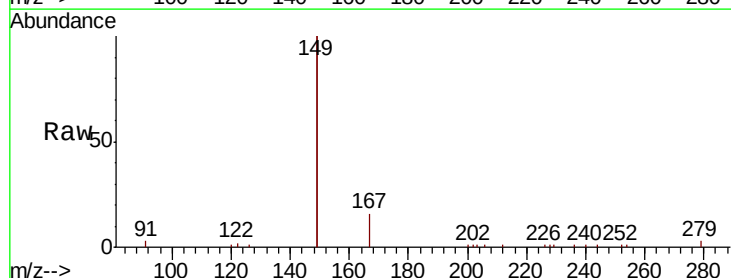
Tgt Ion:149 Resp: 24207

Ion Ratio Lower Upper

149 100

167 7.0 5.6 8.4

279 1.1 0.9 1.3

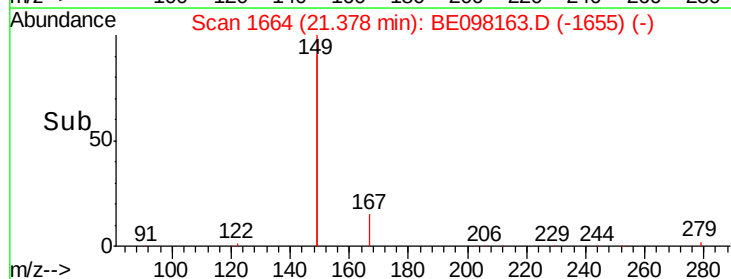
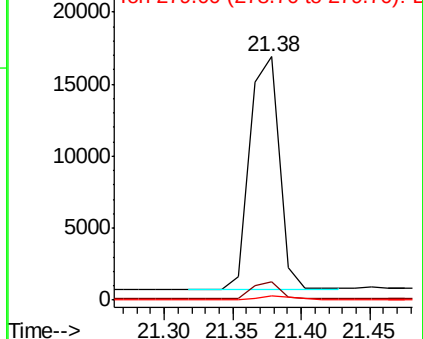


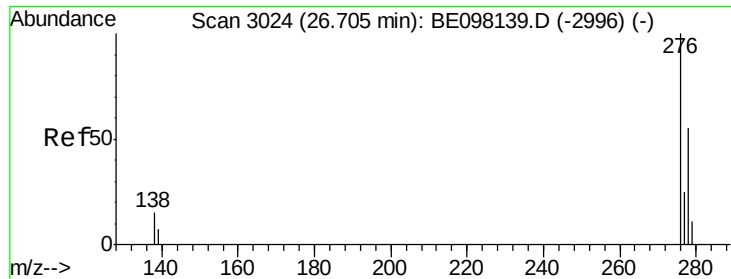
Abundance

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

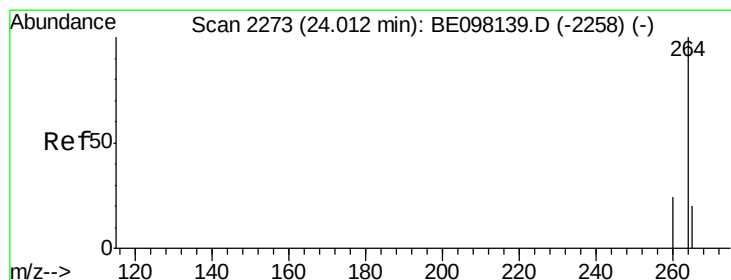
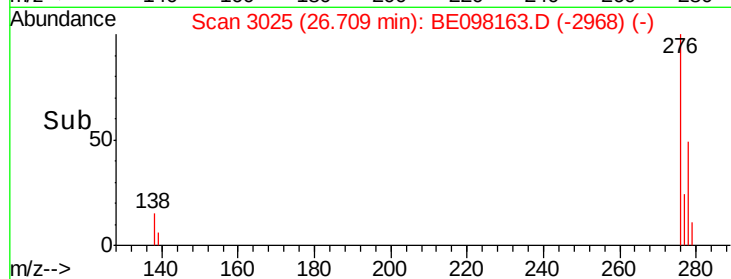
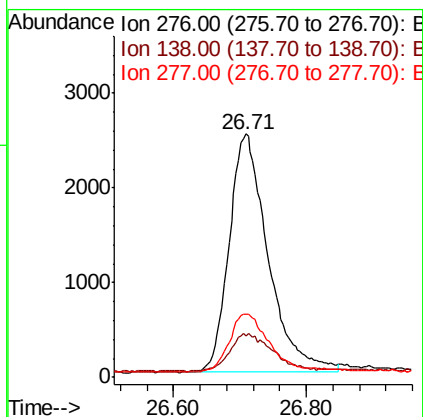
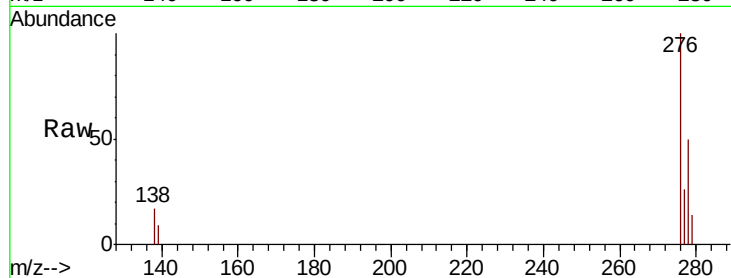




#33
 Indeno(1,2,3-cd)pyrene
 Concen: 0.400 ng
 RT: 26.71 min Scan# 3025
 Delta R.T. 0.00 min
 Lab File: BE098163.D
 Acq: 5 Nov 2018 16:47

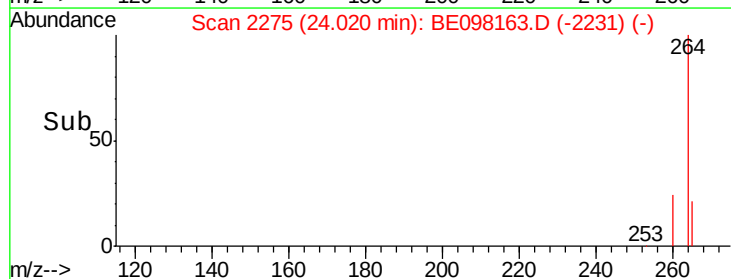
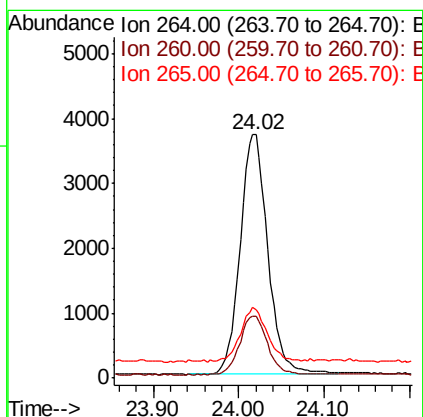
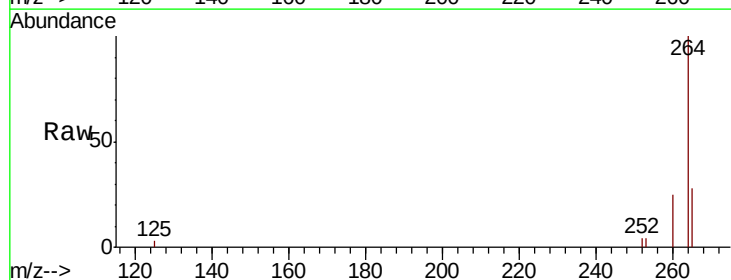
Instrument :
 BNA_E
 ClientSampleId :

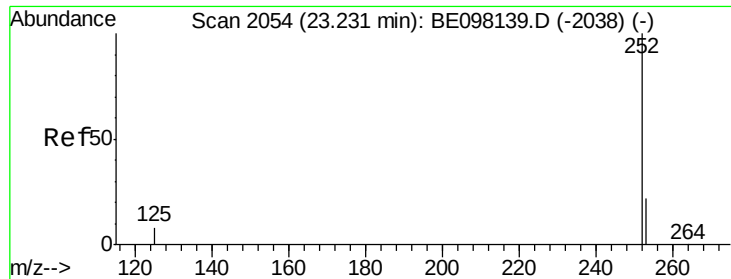
Tot Ion:276 Resp: 10286
 Ion Ratio Lower Upper
 276 100
 138 17.6 17.0 25.6
 277 24.8 20.5 30.7



#34
 Perylene-d12
 Concen: 0.400 ng
 RT: 24.02 min Scan# 2275
 Delta R.T. 0.01 min
 Lab File: BE098163.D
 Acq: 5 Nov 2018 16:47

Tgt Ion:264 Resp: 8340
 Ion Ratio Lower Upper
 264 100
 260 25.2 21.1 31.7
 265 27.8 29.2 43.8#





#35

Benzo(b)fluoranthene

Concen: 0.413 ng

RT: 23.23 min Scan# 2054

Delta R.T. 0.00 min

Lab File: BE098163.D

Acq: 5 Nov 2018 16:47

Instrument :

BNA_E

ClientSampleId :

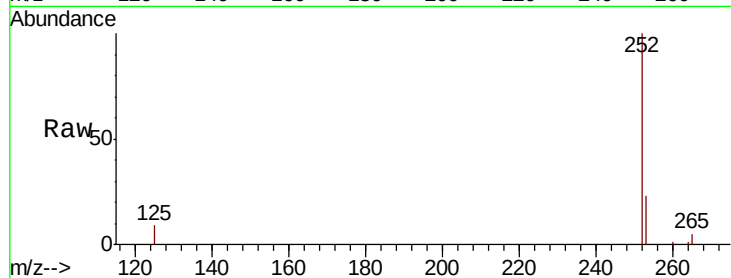
Tot Ion:252 Resp: 9689

Ion Ratio Lower Upper

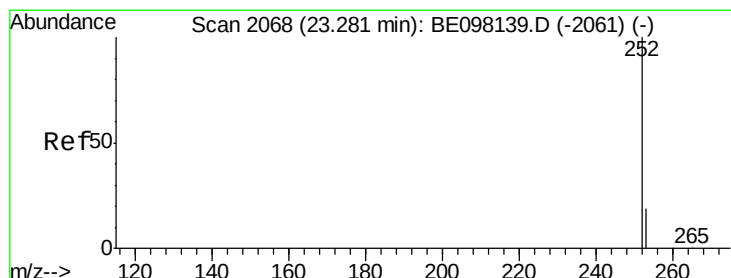
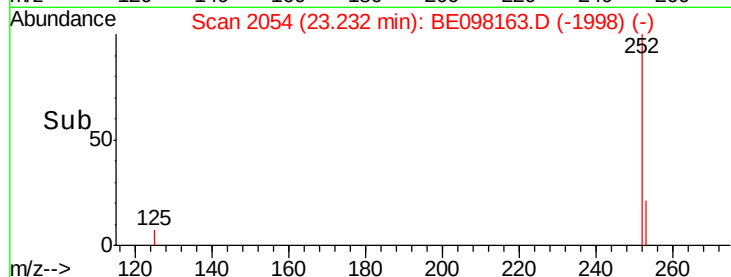
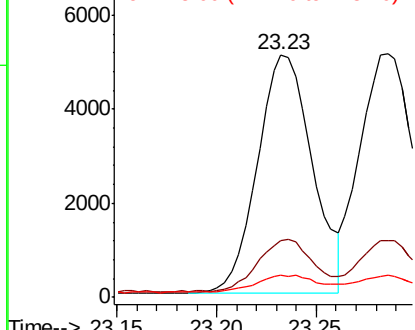
252 100

253 23.3 20.6 31.0

125 9.0 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: 0.414 ng

RT: 23.29 min Scan# 2069

Delta R.T. 0.00 min

Lab File: BE098163.D

Acq: 5 Nov 2018 16:47

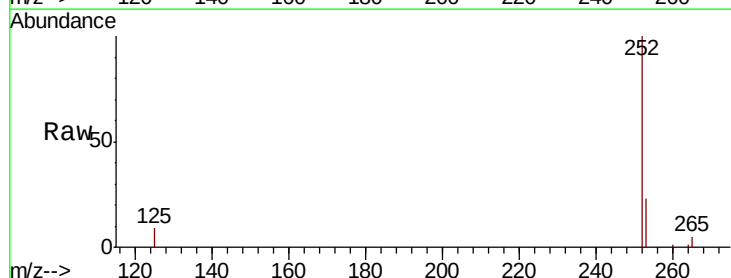
Tgt Ion:252 Resp: 10066

Ion Ratio Lower Upper

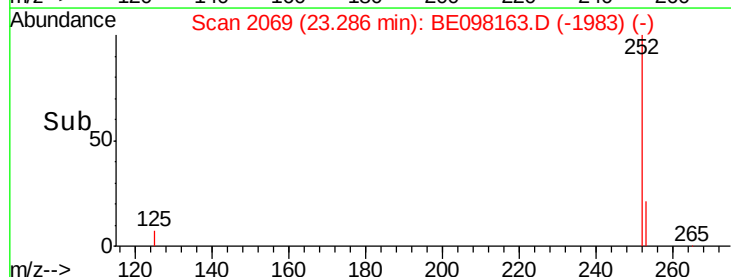
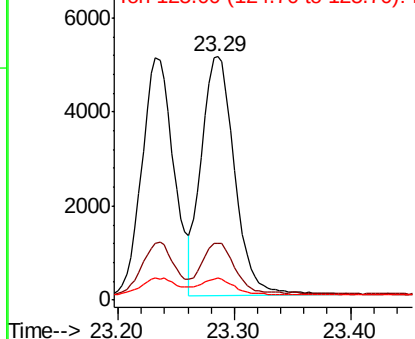
252 100

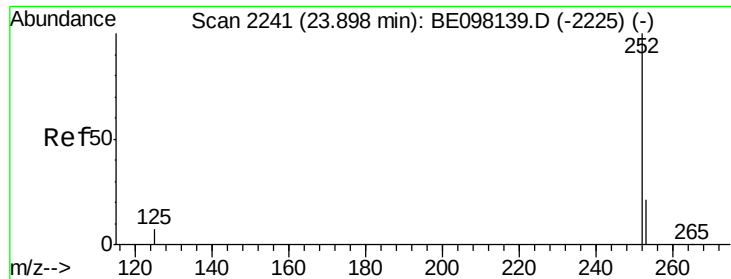
253 23.4 20.4 30.6

125 9.0 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

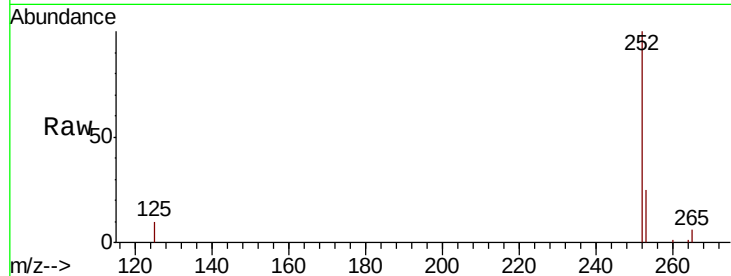




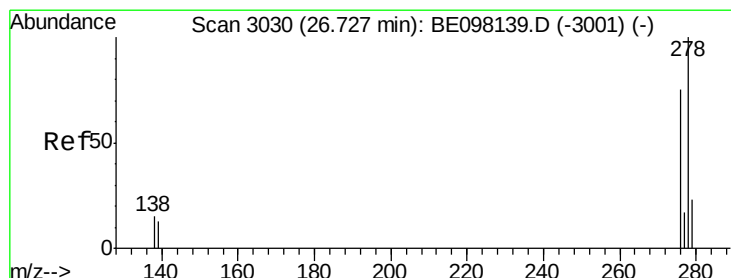
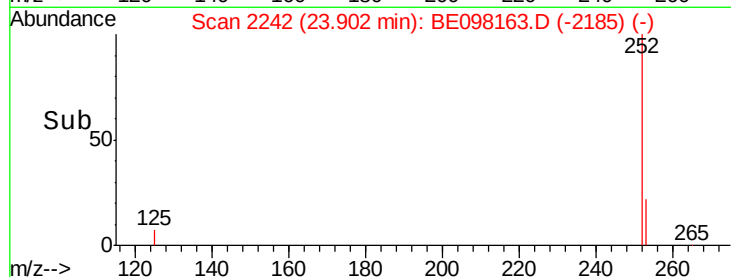
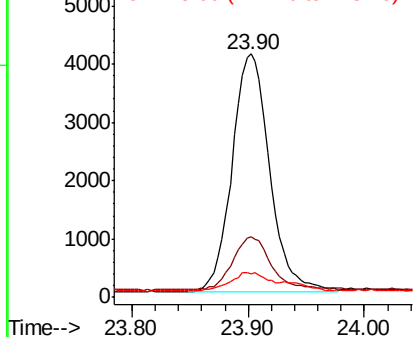
#37
Benzo(a)pyrene
Concen: 0.399 ng
RT: 23.90 min Scan# 2242
Delta R.T. 0.00 min
Lab File: BE098163.D
Acq: 5 Nov 2018 16:47

Instrument :
BNA_E
ClientSampled :

Tot Ion:252 Resp: 9160
Ion Ratio Lower Upper
252 100
253 25.0 20.6 31.0
125 9.7 15.6 23.4#

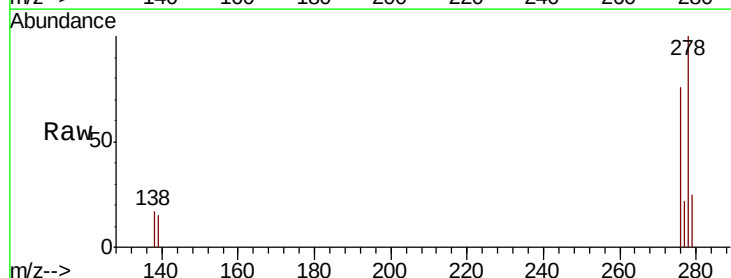


Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E

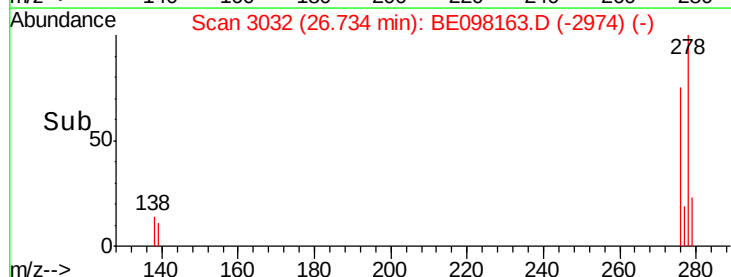
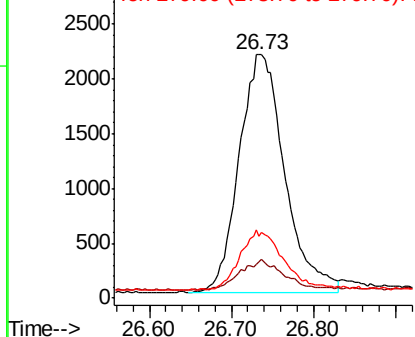


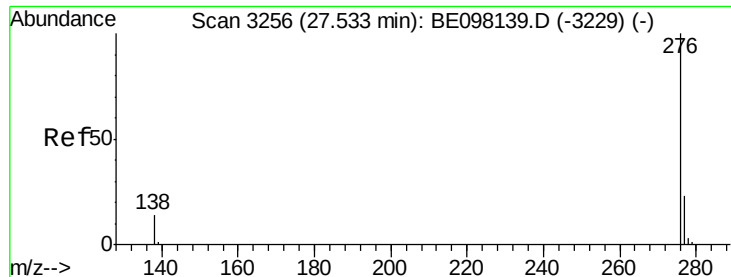
#38
Dibenzo(a,h)anthracene
Concen: 0.391 ng
RT: 26.73 min Scan# 3032
Delta R.T. 0.01 min
Lab File: BE098163.D
Acq: 5 Nov 2018 16:47

Tgt Ion:278 Resp: 8374
Ion Ratio Lower Upper
278 100
139 14.8 16.3 24.5#
279 25.3 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: 0.407 ng

RT: 27.54 min Scan# 3258

Delta R.T. 0.01 min

Lab File: BE098163.D

Acq: 5 Nov 2018 16:47

Instrument :

BNA_E

ClientSampleId :

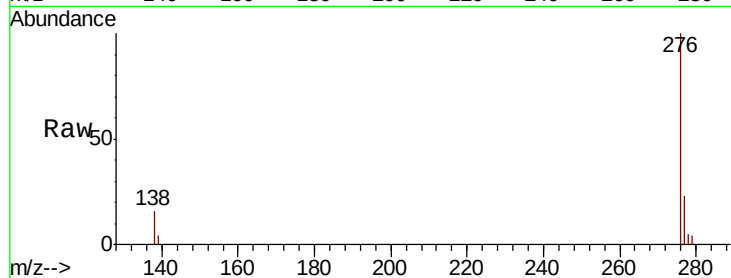
Tot Ion:276 Resp: 8675

Ion Ratio Lower Upper

276 100

277 23.5 22.1 33.1

138 15.9 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

