

Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE110518\
 Data File : BE098156.D
 Acq On : 5 Nov 2018 11:40
 Operator : SJ/JU
 Sample : PB114428BSD
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 PB114428BSD

Quant Time: Nov 05 12:12:55 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	7.86	152	967	0.40	ng	-0.01
7) Naphthalene-d8	10.67	136	4623	0.40	ng	0.00
13) Acenaphthene-d10	14.54	164	3016	0.40	ng	0.00
19) Phenanthrene-d10	17.28	188	7016	0.40	ng	0.00
27) Chrysene-d12	21.46	240	8215	0.40	ng	0.00
34) Perylene-d12	24.01	264	7867	0.40	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Fluorophenol	5.46	112	1141	0.40	ng	0.00
5) Phenol-d6	7.04	99	1794	0.38	ng	0.00
8) Nitrobenzene-d5	9.02	82	1812	0.37	ng	-0.01
11) 2-Methylnaphthalene-d10	12.27	152	3286	0.40	ng	0.00
14) 2,4,6-Tribromophenol	16.03	330	448	0.31	ng	0.00
15) 2-Fluorobiphenyl	13.16	172	5064	0.41	ng	0.00
25) Fluoranthene-d10	19.32	212	36125	0.40	ng	0.00
29) Terphenyl-d14	19.91	244	7723	0.40	ng	0.00

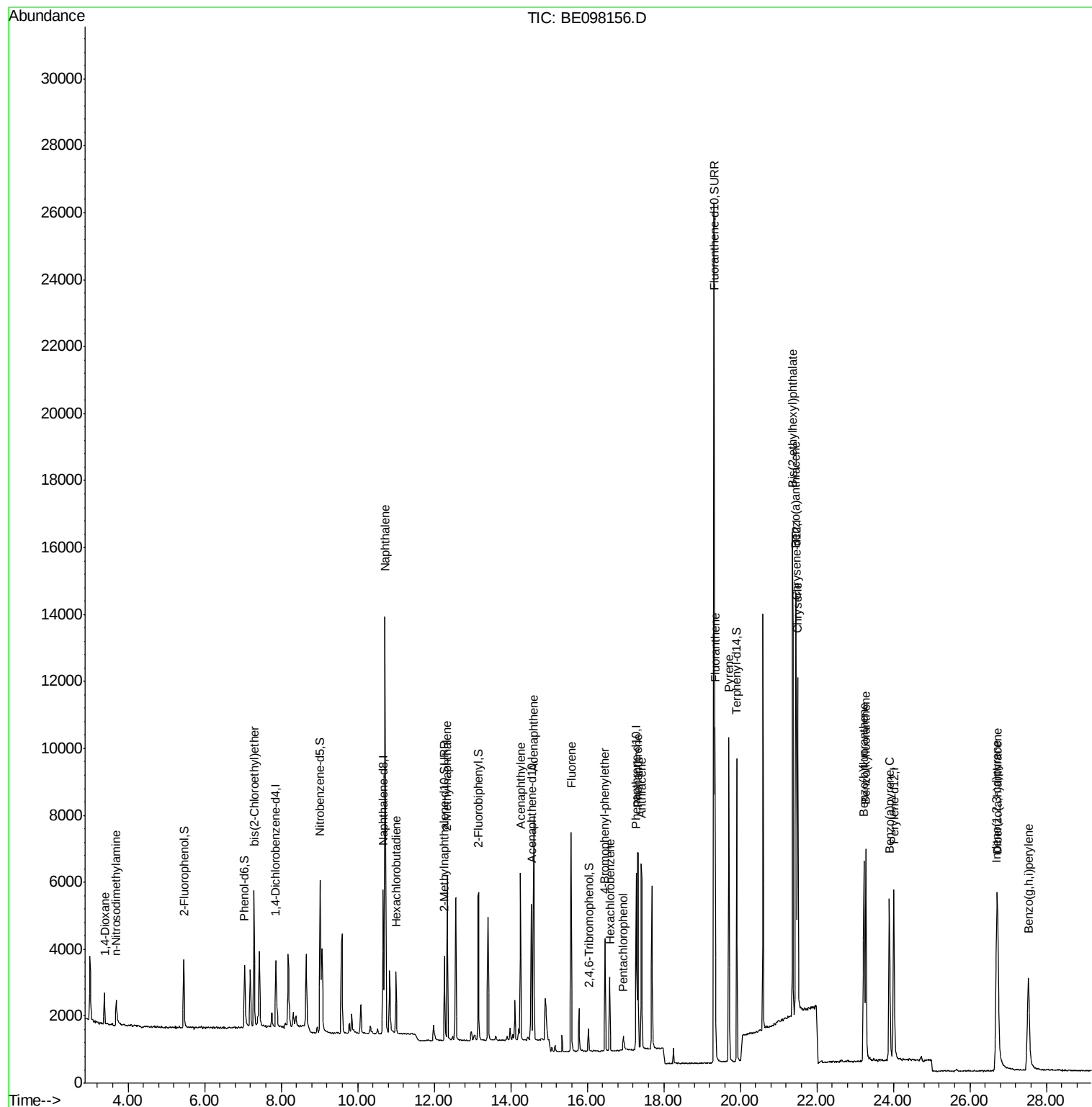
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) 1,4-Dioxane	3.38	88	561	0.389	ng	98
3) n-Nitrosodimethylamine	3.69	42	726	0.377	ng	# 78
6) bis(2-Chloroethyl)ether	7.29	93	1345	0.389	ng	90
9) Naphthalene	10.72	128	19187	0.415	ng	100
10) Hexachlorobutadiene	11.00	225	1275	0.421	ng	98
12) 2-Methylnaphthalene	12.34	142	3362	0.408	ng	# 90
16) Acenaphthylene	14.25	152	5611	0.408	ng	100
17) Acenaphthene	14.60	154	3426	0.415	ng	99
18) Fluorene	15.58	166	4448	0.406	ng	99
20) 4-Bromophenyl-phenylether	16.46	248	1778	0.416	ng	# 79
21) Hexachlorobenzene	16.59	284	1872	0.418	ng	97
22) Pentachlorophenol	16.94	266	317	0.374	ng	# 83
23) Phenanthrene	17.33	178	7188	0.414	ng	99
24) Anthracene	17.41	178	6618	0.400	ng	98
26) Fluoranthene	19.34	202	8775	0.403	ng	96
28) Pyrene	19.71	202	9148	0.408	ng	100
30) Benzo(a)anthracene	21.45	228	9539	0.397	ng	99
31) Chrysene	21.50	228	9642	0.406	ng	96
32) Bis(2-ethylhexyl)phthalate	21.37	149	18935	0.206	ng	100
33) Indeno(1,2,3-cd)pyrene	26.70	276	9711	0.393	ng	# 95
35) Benzo(b)fluoranthene	23.23	252	8837	0.399	ng	# 88
36) Benzo(k)fluoranthene	23.28	252	9223	0.402	ng	# 89
37) Benzo(a)pyrene	23.90	252	8784	0.406	ng	# 90
38) Dibenzo(a,h)anthracene	26.73	278	8064	0.399	ng	# 93
39) Benzo(g,h,i)perylene	27.53	276	8129	0.404	ng	# 90

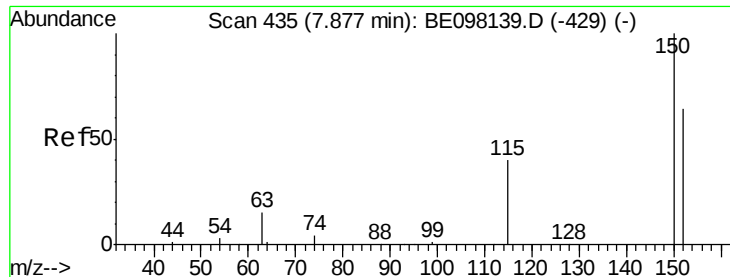
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Thu Nov 01 13:00:52 2018
Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 0.400 ng

RT: 7.86 min Scan# 434

Delta R.T. -0.01 min

Lab File: BE098156.D

Acq: 5 Nov 2018 11:40

Instrument :

BNA_E

ClientSampleId :

PB114428BSD

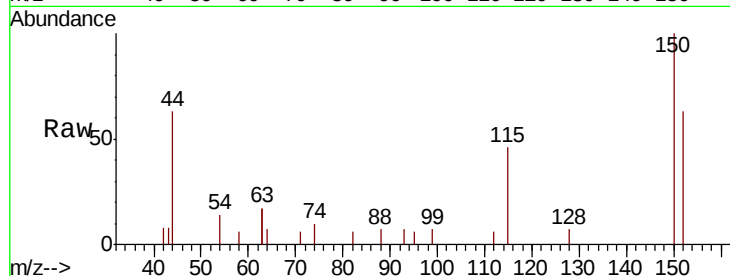
Tot Ion:152 Resp: 967

Ion Ratio Lower Upper

152 100

150 158.0 118.2 177.4

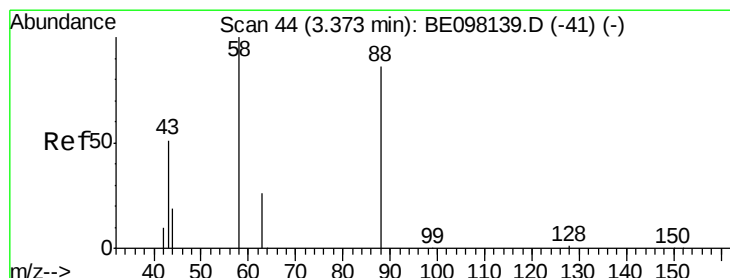
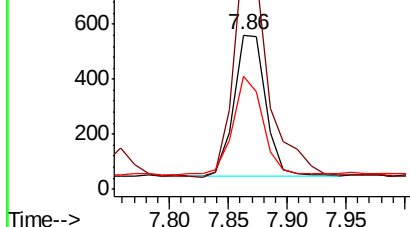
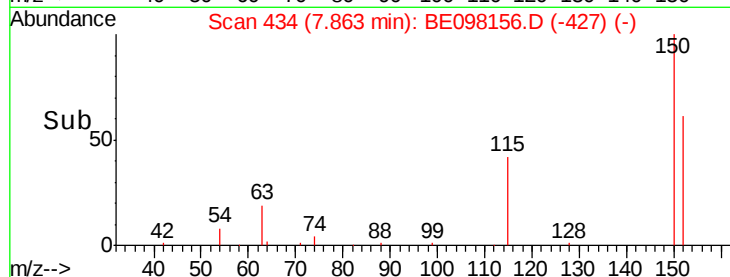
115 73.0 50.9 76.3



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: 0.389 ng

RT: 3.38 min Scan# 45

Delta R.T. 0.01 min

Lab File: BE098156.D

Acq: 5 Nov 2018 11:40

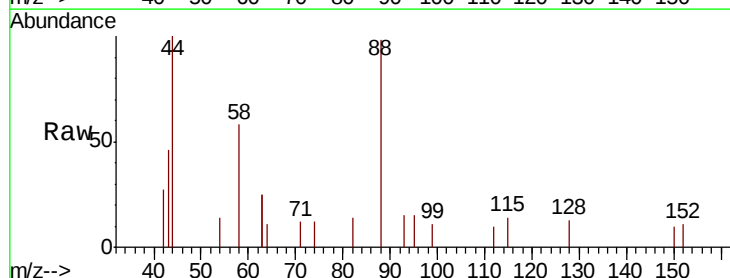
Tgt Ion: 88 Resp: 561

Ion Ratio Lower Upper

88 100

58 92.3 73.2 109.8

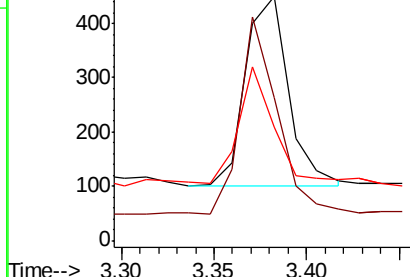
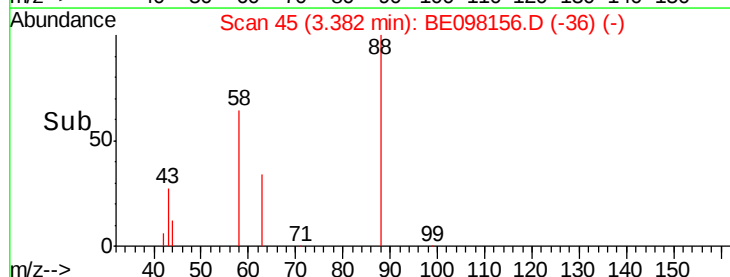
43 49.7 36.9 55.3

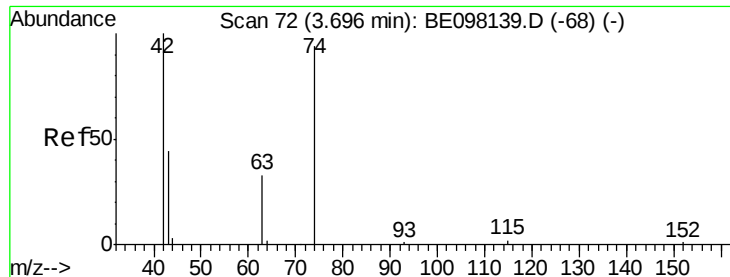


Abundance Ion 88.00 (87.70 to 88.70): BE0

Ion 58.00 (57.70 to 58.70): BE0

Ion 43.00 (42.70 to 43.70): BE0



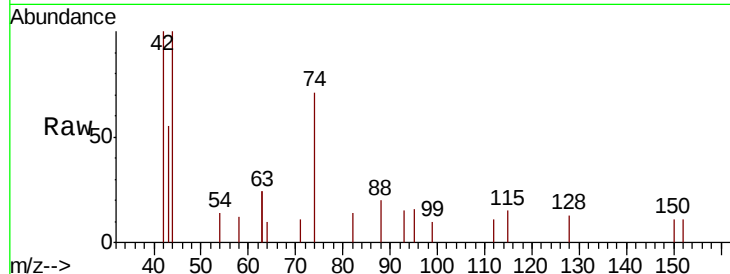


#3

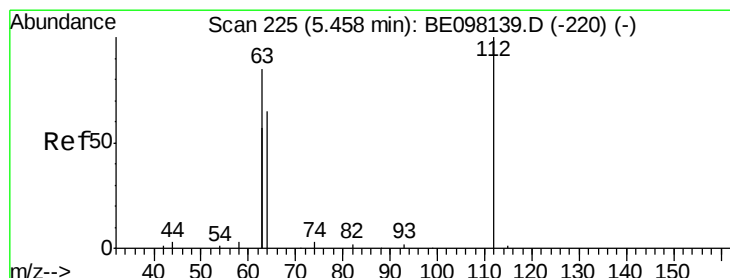
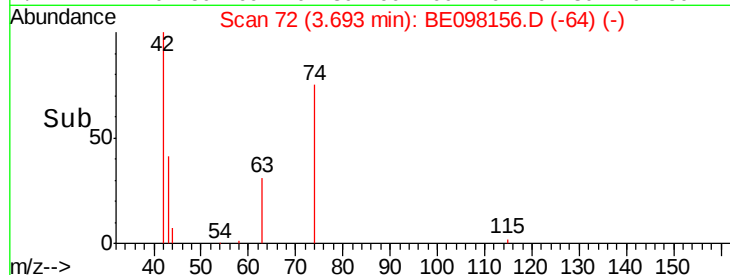
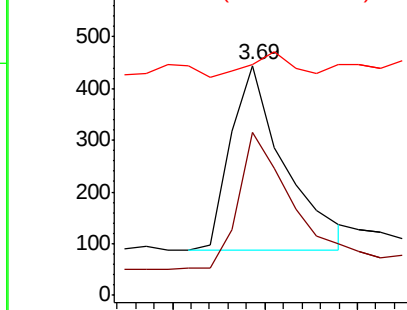
n-Nitrosodimethylamine
 Concen: 0.377 ng
 RT: 3.69 min Scan# 72
 Delta R.T. -0.00 min
 Lab File: BE098156.D
 Acq: 5 Nov 2018 11:40

Instrument :
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Tot Ion: 42 Resp: 726
 Ion Ratio Lower Upper
 42 100
 74 73.8 77.6 116.4#
 44 10.5 7.6 11.4



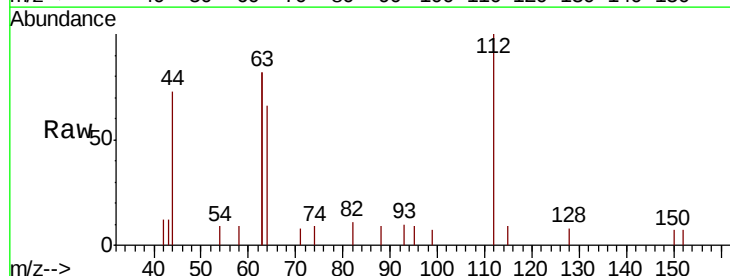
Abundance Ion 42.00 (41.70 to 42.70): BE0
 Ion 74.00 (73.70 to 74.70): BE0
 Ion 44.00 (43.70 to 44.70): BE0



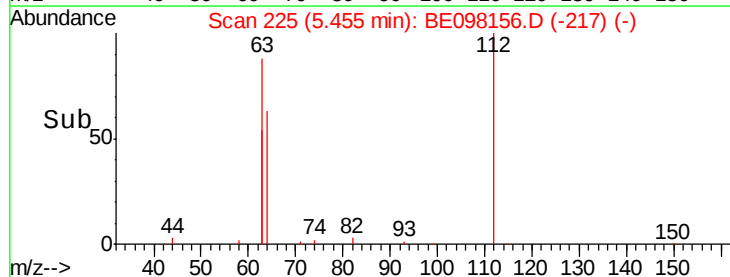
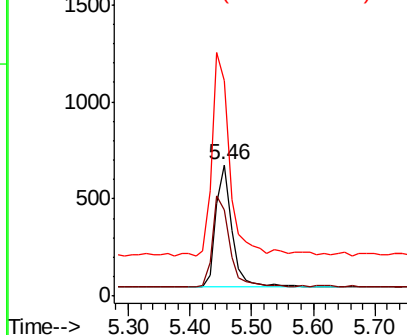
#4

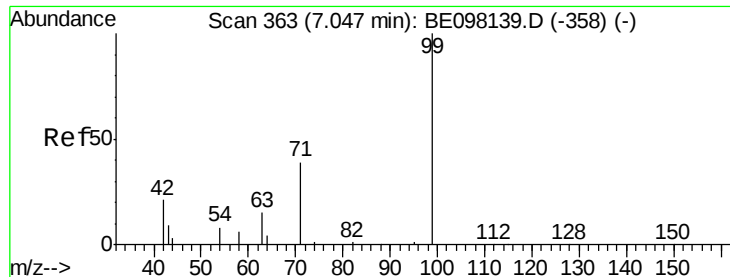
2-Fluorophenol
 Concen: 0.398 ng
 RT: 5.46 min Scan# 225
 Delta R.T. -0.00 min
 Lab File: BE098156.D
 Acq: 5 Nov 2018 11:40

Tgt Ion: 112 Resp: 1141
 Ion Ratio Lower Upper
 112 100
 64 77.1 58.9 88.3
 63 175.0 120.3 180.5



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: 0.380 ng

RT: 7.04 min Scan# 363

Delta R.T. -0.00 min

Lab File: BE098156.D

Acq: 5 Nov 2018 11:40

Instrument :

BNA_E

ClientSampleId :

PB114428BSD

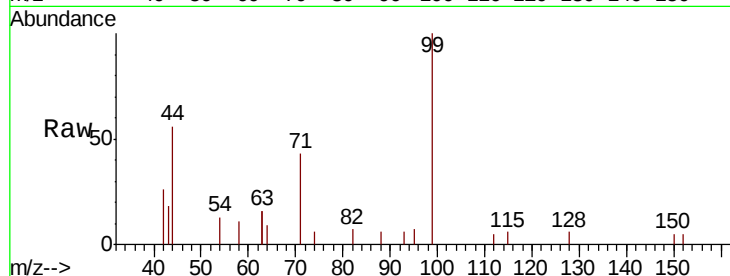
Tot Ion: 99 Resp: 1794

Ion Ratio Lower Upper

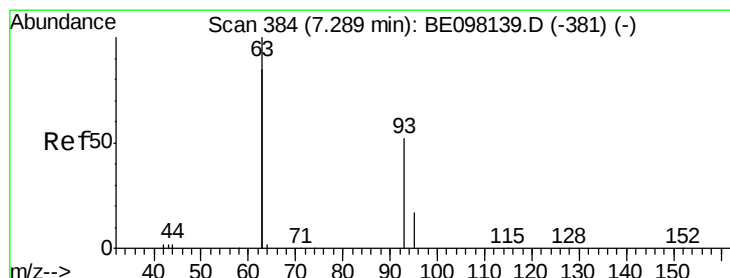
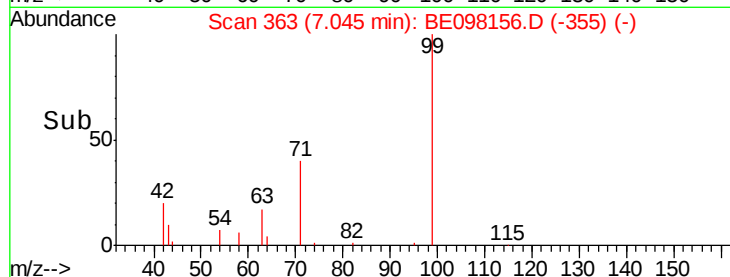
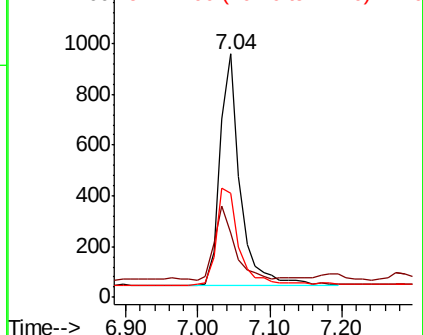
99 100

42 31.7 19.9 29.9#

71 46.2 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: 0.389 ng

RT: 7.29 min Scan# 384

Delta R.T. -0.00 min

Lab File: BE098156.D

Acq: 5 Nov 2018 11:40

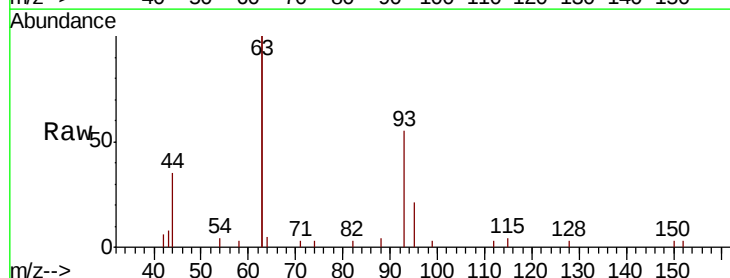
Tgt Ion: 93 Resp: 1345

Ion Ratio Lower Upper

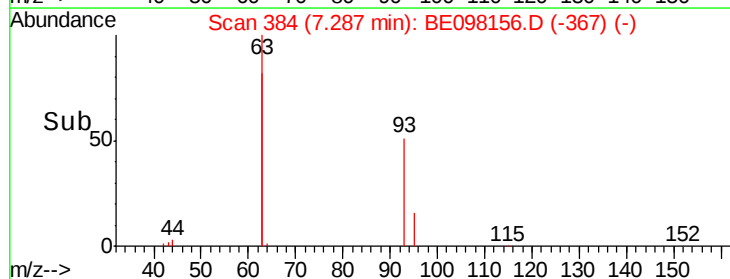
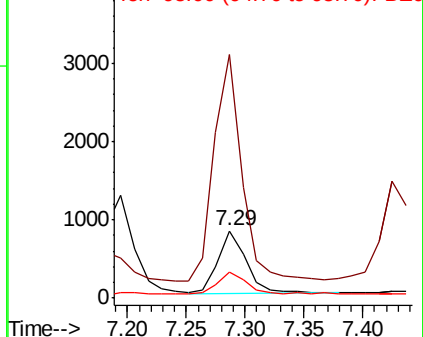
93 100

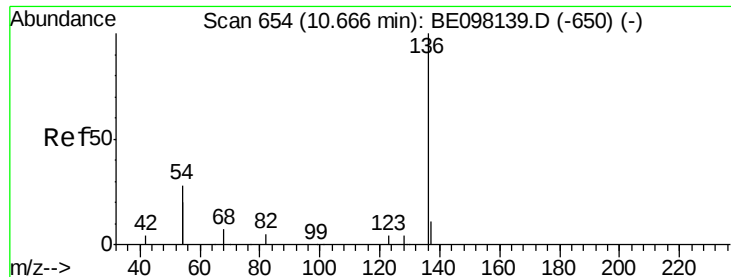
63 346.5 259.0 388.4

95 33.3 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: 10.67 min Scan# 654

Delta R.T. 0.00 min

Lab File: BE098156.D

Acq: 5 Nov 2018 11:40

Instrument :

BNA_E

ClientSampleId :

PB114428BSD

Tot Ion:136 Resp: 4623

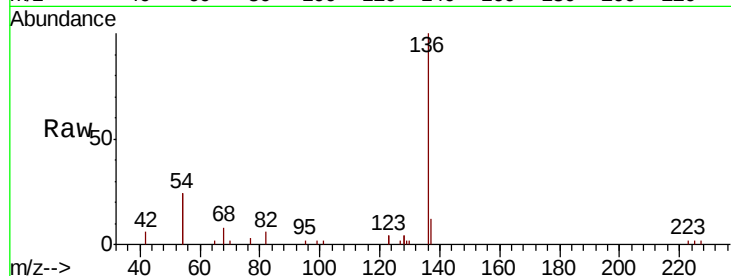
Ion Ratio Lower Upper

136 100

137 11.5 9.6 14.4

54 48.3 27.7 41.5#

68 7.5 5.3 7.9

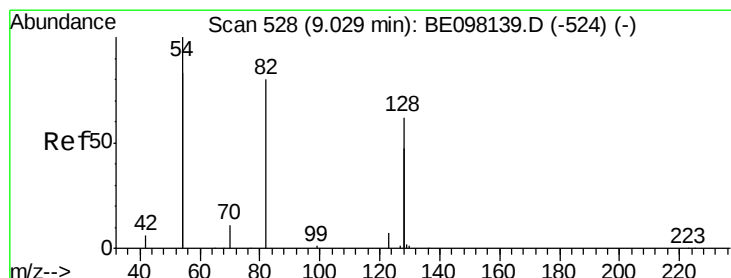
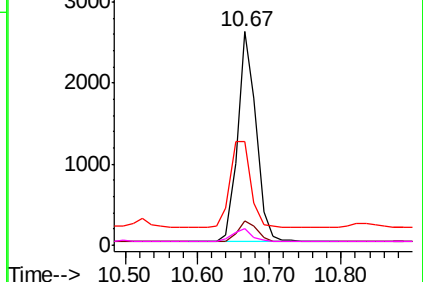
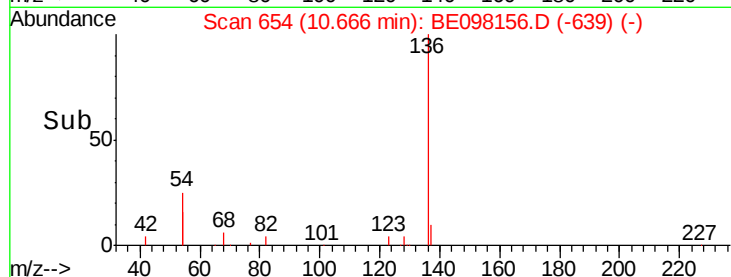


Abundance Ion 136.00 (135.70 to 136.70): E

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: 0.365 ng

RT: 9.02 min Scan# 527

Delta R.T. -0.01 min

Lab File: BE098156.D

Acq: 5 Nov 2018 11:40

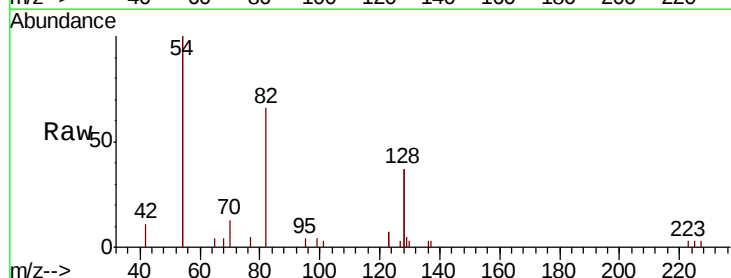
Tgt Ion: 82 Resp: 1812

Ion Ratio Lower Upper

82 100

128 110.7 129.9 194.9#

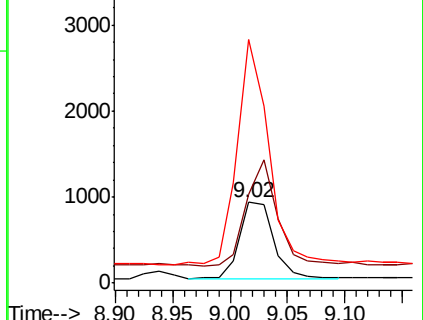
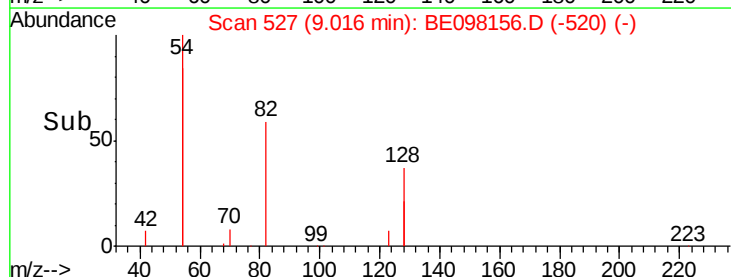
54 302.4 174.0 261.0#

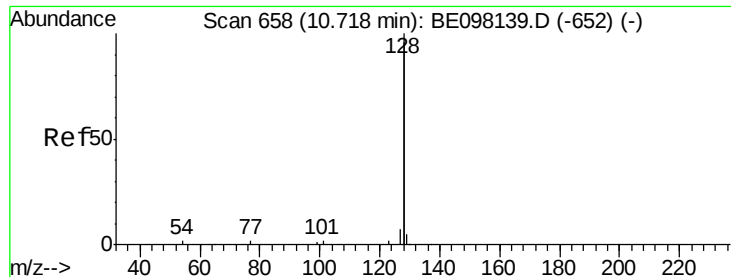


Abundance Ion 82.00 (81.70 to 82.70): BE0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BE0





#9

Naphthalene

Concen: 0.415 ng

RT: 10.72 min Scan# 658

Delta R.T. 0.00 min

Lab File: BE098156.D

Acq: 5 Nov 2018 11:40

Instrument :

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ClientSampleId :

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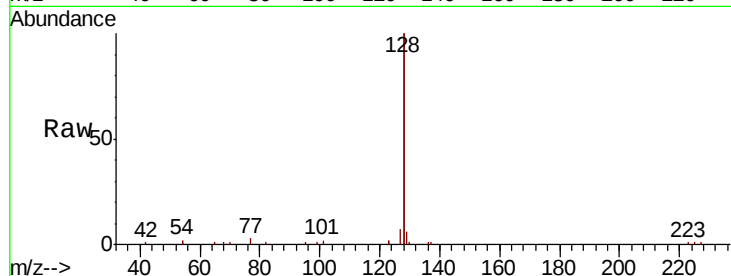
Tot Ion:128 Resp: 19187

Ion Ratio Lower Upper

128 100

129 3.2 2.5 3.7

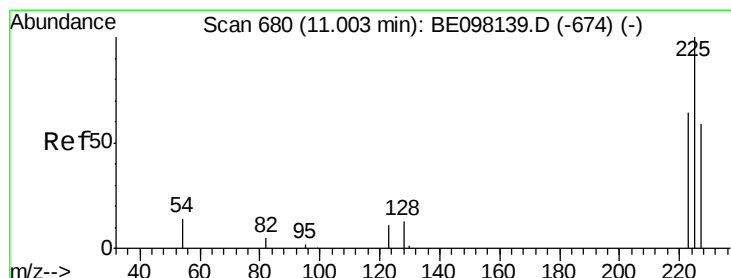
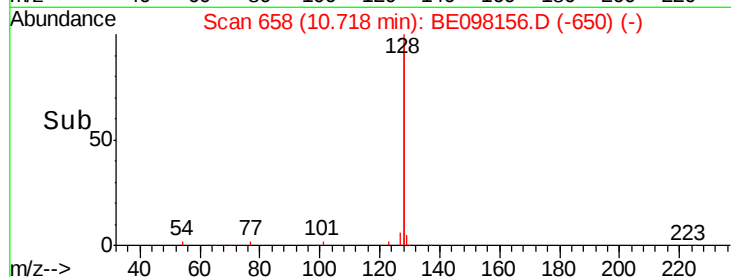
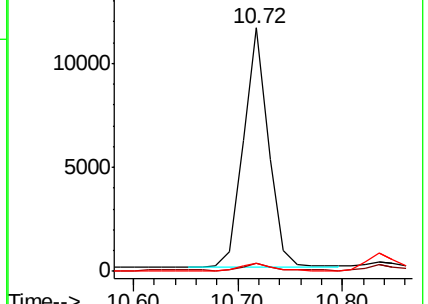
127 3.5 2.8 4.2



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: 0.421 ng

RT: 11.00 min Scan# 680

Delta R.T. 0.00 min

Lab File: BE098156.D

Acq: 5 Nov 2018 11:40

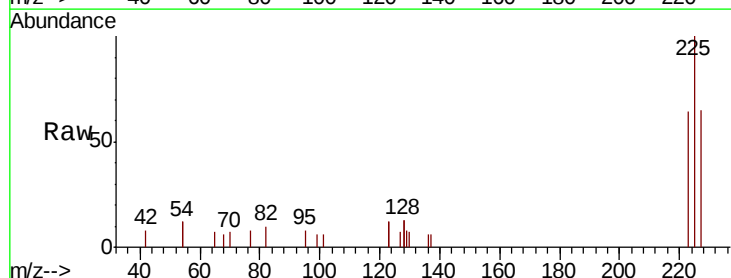
Tgt Ion:225 Resp: 1275

Ion Ratio Lower Upper

225 100

223 62.5 51.8 77.8

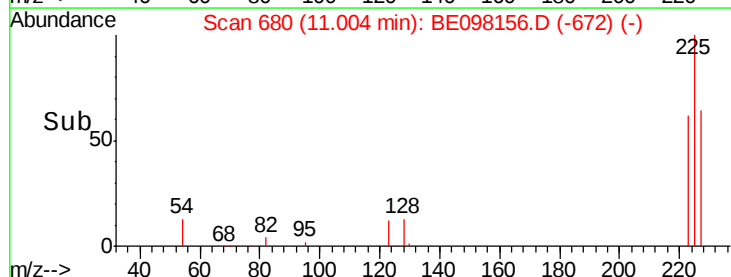
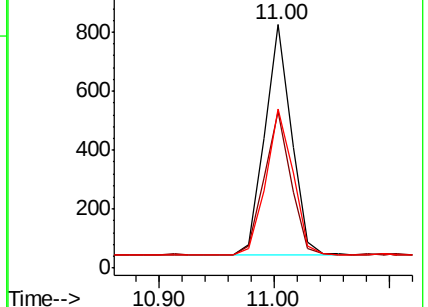
227 64.7 53.0 79.6

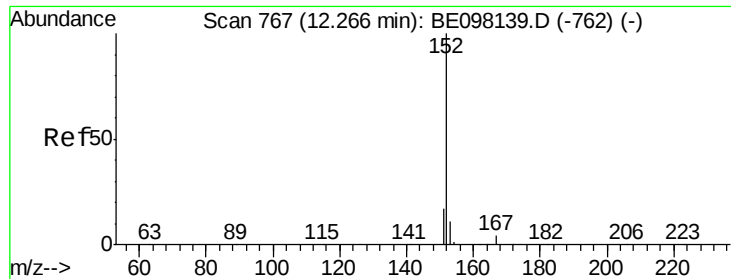


Abundance Ion 225.00 (224.70 to 225.70): E

Ion 223.00 (222.70 to 223.70): E

Ion 227.00 (226.70 to 227.70): E

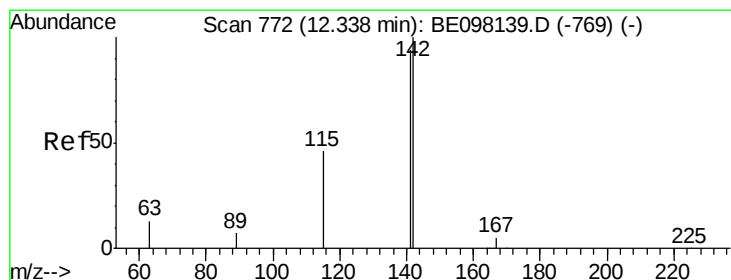
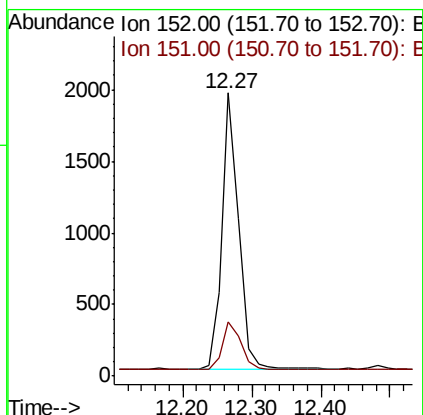
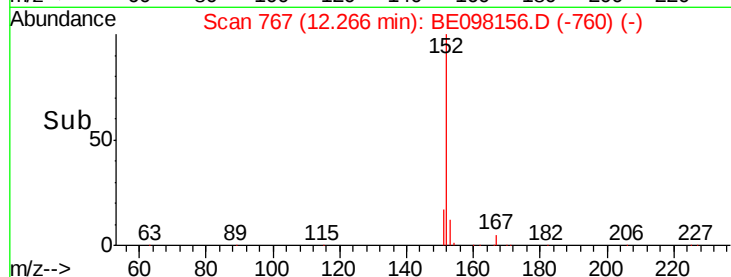
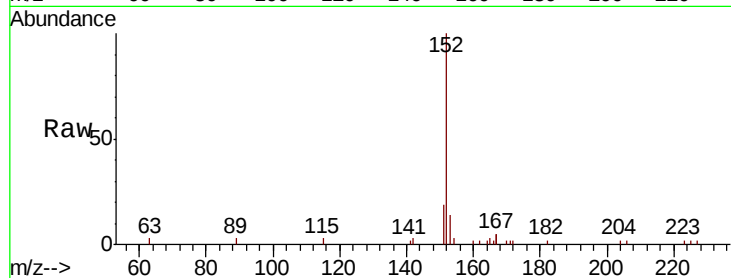




#11
2-Methylnaphthalene-d10
Concen: 0.403 ng
RT: 12.27 min Scan# 767
Delta R.T. 0.00 min
Lab File: BE098156.D
Acq: 5 Nov 2018 11:40

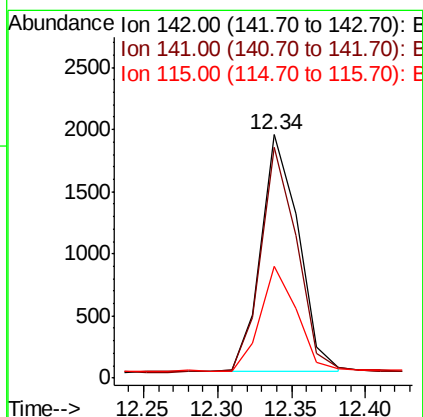
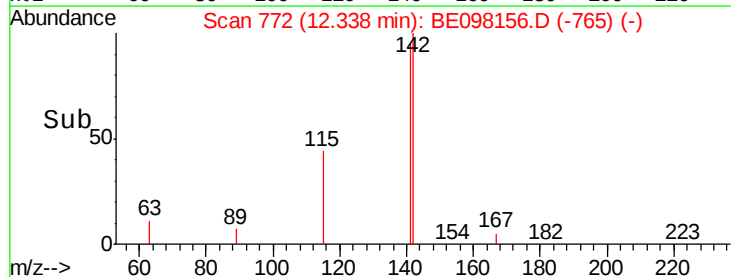
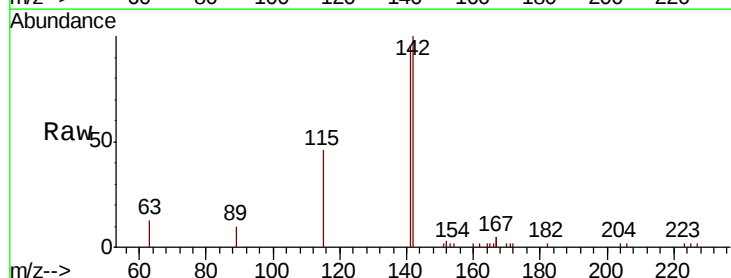
Instrument :
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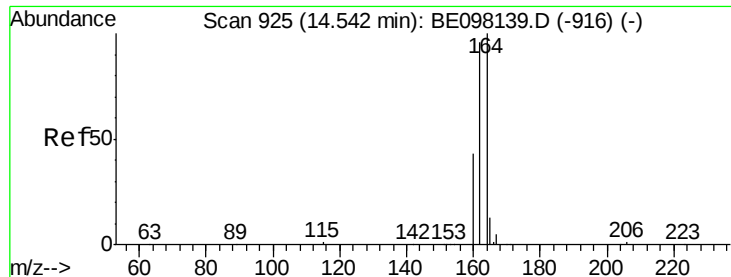
Tot Ion:152 Resp: 3286
Ion Ratio Lower Upper
152 100
151 19.3 16.2 24.4



#12
2-Methylnaphthalene
Concen: 0.408 ng
RT: 12.34 min Scan# 772
Delta R.T. 0.00 min
Lab File: BE098156.D
Acq: 5 Nov 2018 11:40

Tgt Ion:142 Resp: 3362
Ion Ratio Lower Upper
142 100
141 94.7 69.8 104.6
115 46.0 30.5 45.7#

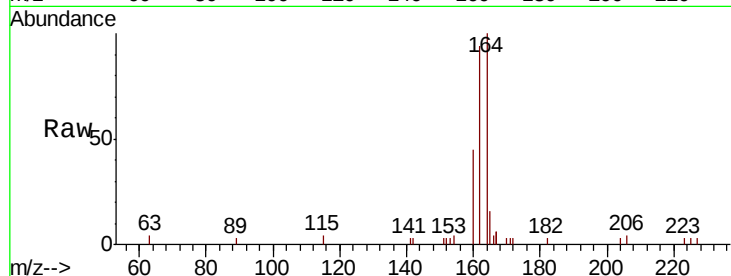




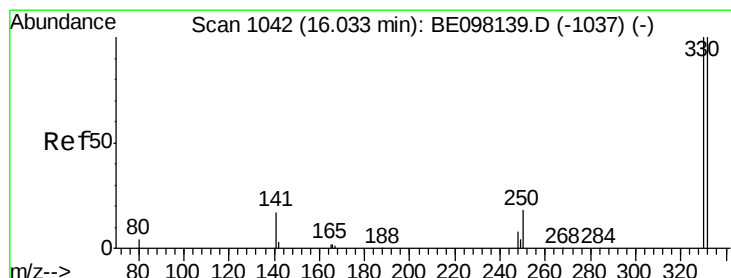
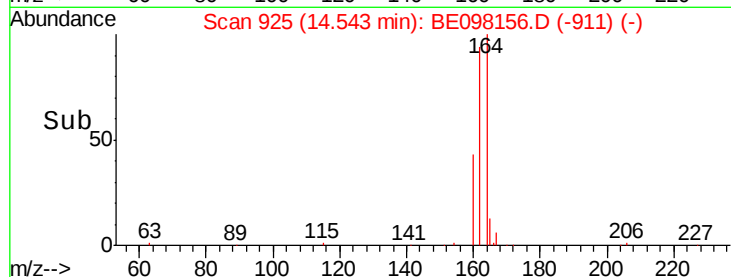
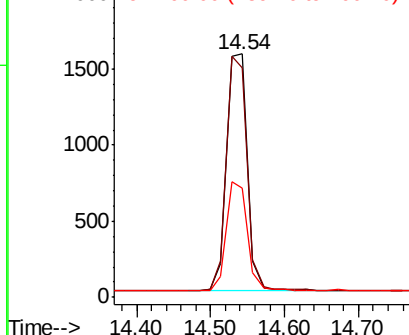
#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.54 min Scan# 925
Delta R.T. 0.00 min
Lab File: BE098156.D
Acq: 5 Nov 2018 11:40

Instrument :
BNA_E
ClientSampleId :
PB114428BSD

Tot Ion:164 Resp: 3016
Ion Ratio Lower Upper
164 100
162 94.4 77.4 116.2
160 44.7 36.5 54.7

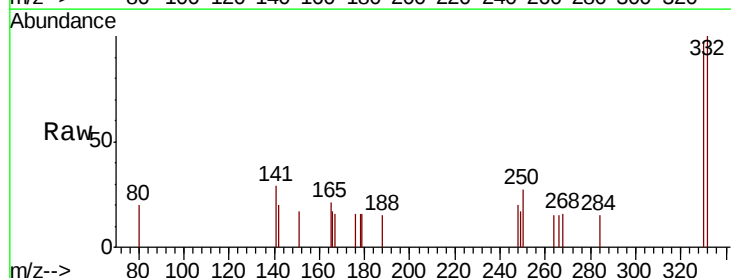


Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

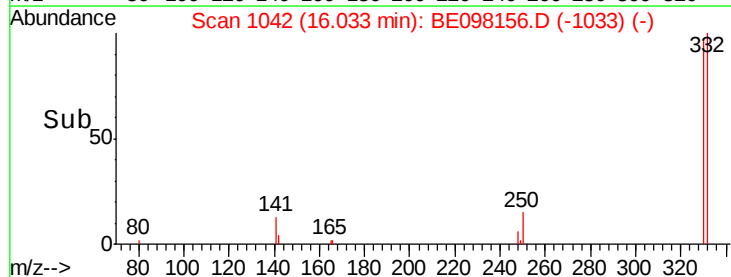
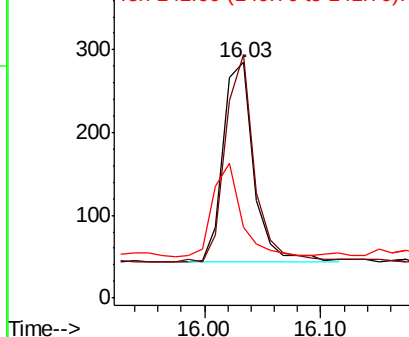


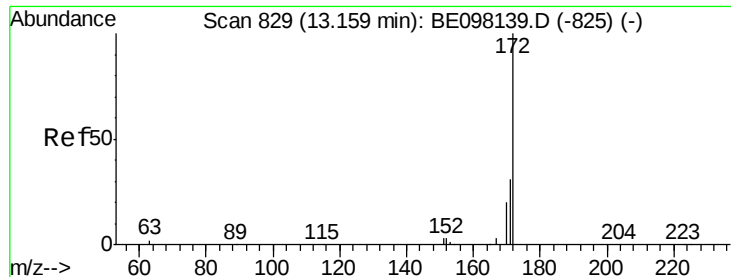
#14
2,4,6-Tribromophenol
Concen: 0.314 ng
RT: 16.03 min Scan# 1042
Delta R.T. 0.00 min
Lab File: BE098156.D
Acq: 5 Nov 2018 11:40

Tgt Ion:330 Resp: 448
Ion Ratio Lower Upper
330 100
332 98.2 76.5 114.7
141 42.6 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

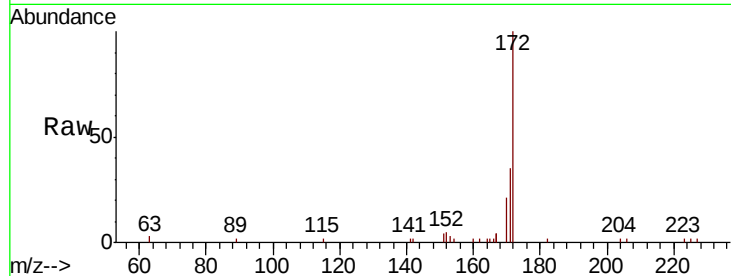




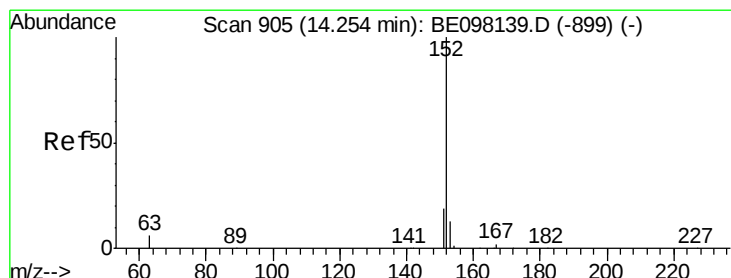
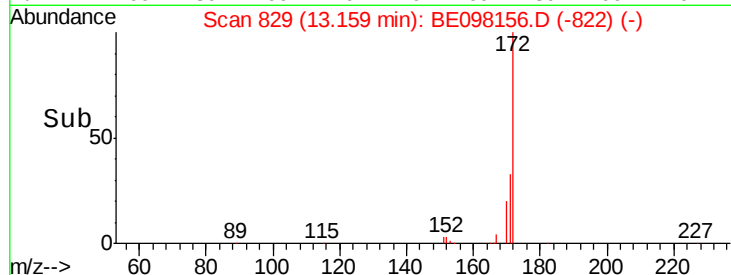
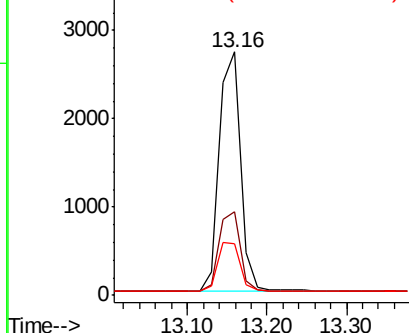
#15
2-Fluorobiphenyl
Concen: 0.408 ng
RT: 13.16 min Scan# 829
Delta R.T. 0.00 min
Lab File: BE098156.D
Acq: 5 Nov 2018 11:40

Instrument :
BNA_E
ClientSampleId :
PB114428BSD

Tot Ion:172 Resp: 5064
Ion Ratio Lower Upper
172 100
171 34.6 26.0 39.0
170 21.3 18.0 27.0

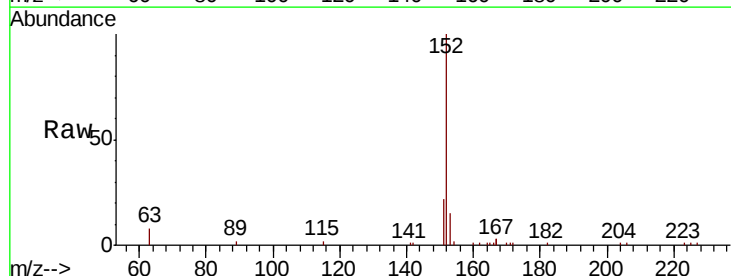


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

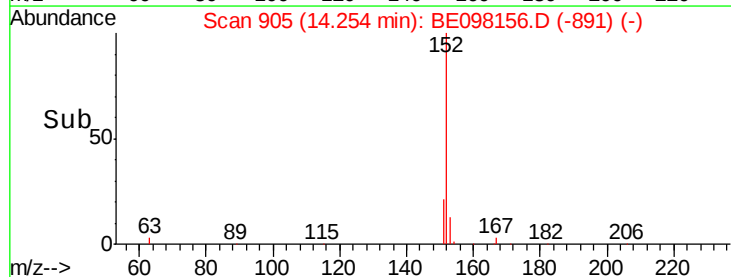
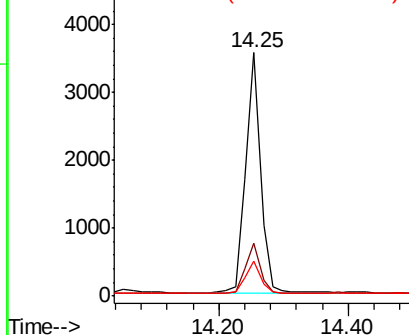


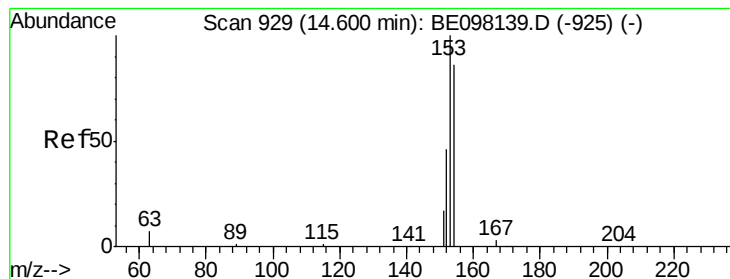
#16
Acenaphthylene
Concen: 0.408 ng
RT: 14.25 min Scan# 905
Delta R.T. 0.00 min
Lab File: BE098156.D
Acq: 5 Nov 2018 11:40

Tgt Ion:152 Resp: 5611
Ion Ratio Lower Upper
152 100
151 20.0 16.1 24.1
153 13.2 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: 0.415 ng

RT: 14.60 min Scan# 929

Delta R.T. 0.00 min

Lab File: BE098156.D

Acq: 5 Nov 2018 11:40

Instrument :

BNA_E

ClientSampleId :

PB114428BSD

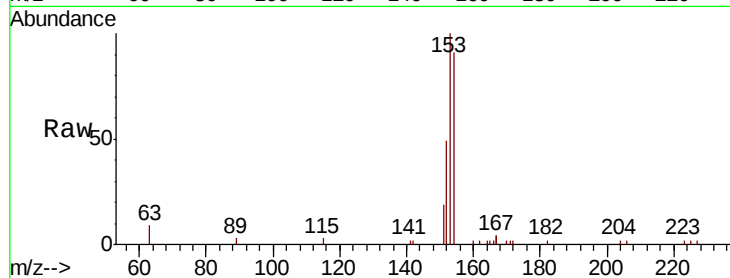
Tot Ion:154 Resp: 3426

Ion Ratio Lower Upper

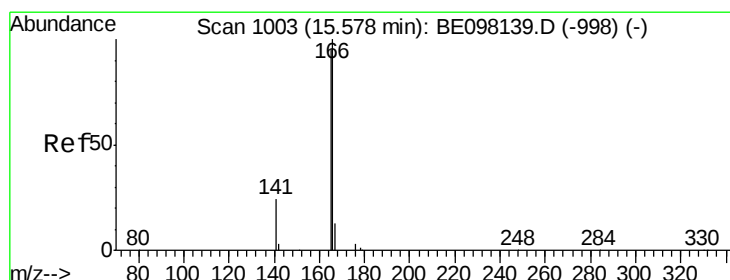
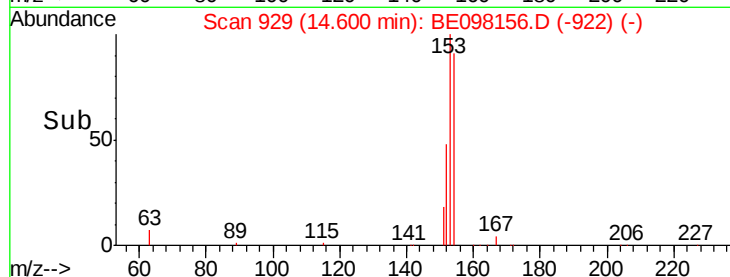
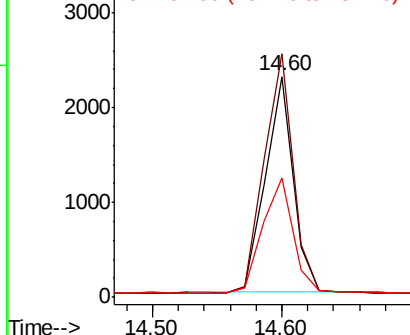
154 100

153 114.5 92.6 139.0

152 57.5 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: 0.406 ng

RT: 15.58 min Scan# 1003

Delta R.T. 0.00 min

Lab File: BE098156.D

Acq: 5 Nov 2018 11:40

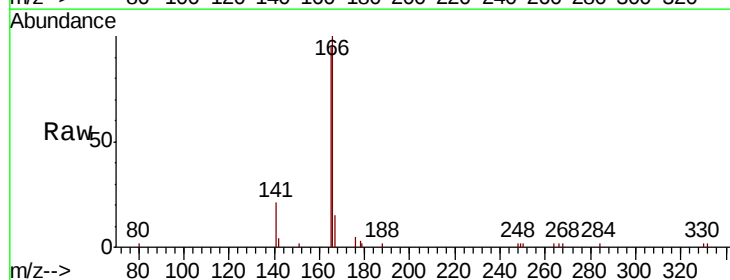
Tgt Ion:166 Resp: 4448

Ion Ratio Lower Upper

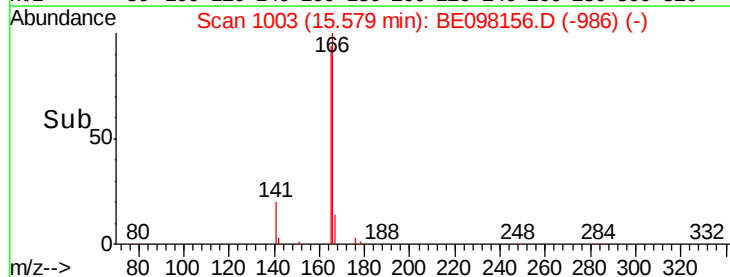
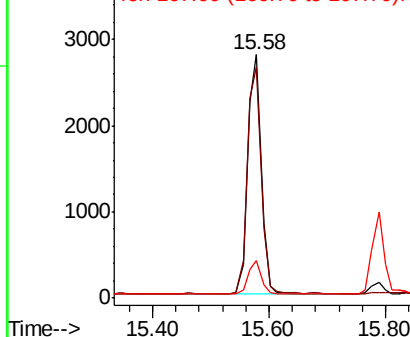
166 100

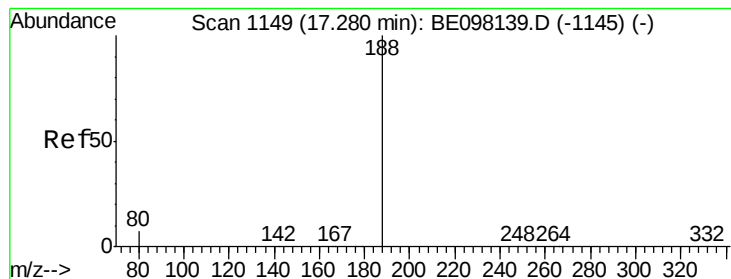
165 99.1 78.2 117.4

167 13.6 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: 17.28 min Scan# 1149

Delta R.T. 0.00 min

Lab File: BE098156.D

Acq: 5 Nov 2018 11:40

Instrument :

BNA_E

ClientSampleId :

PB114428BSD

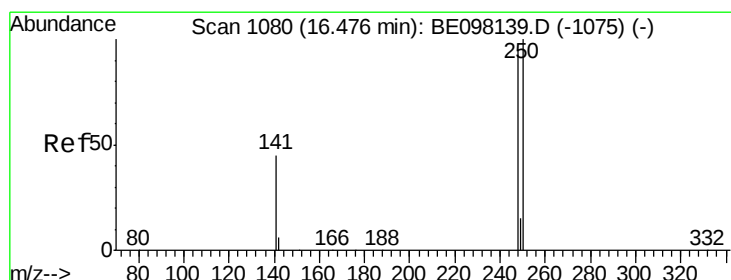
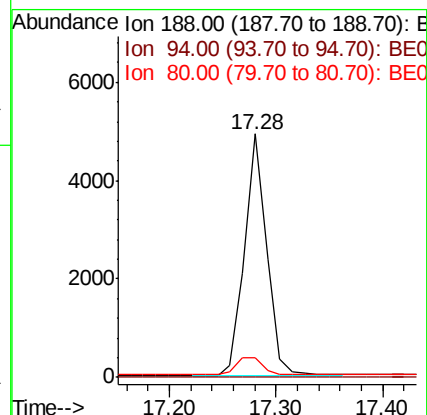
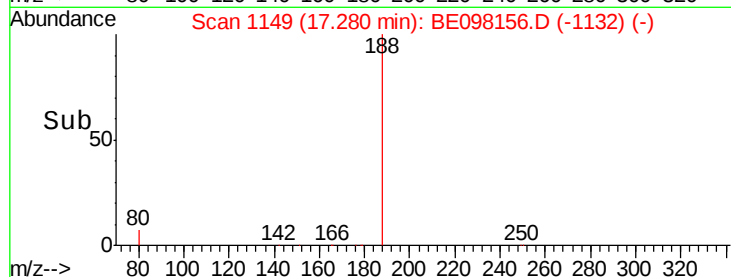
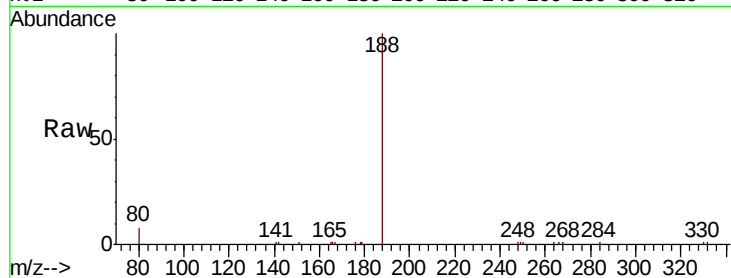
Tot Ion:188 Resp: 7016

Ion Ratio Lower Upper

188 100

94 0.0 0.0 0.0

80 8.3 6.3 9.5



#20

4-Bromophenyl-phenylether

Concen: 0.416 ng

RT: 16.46 min Scan# 1079

Delta R.T. -0.01 min

Lab File: BE098156.D

Acq: 5 Nov 2018 11:40

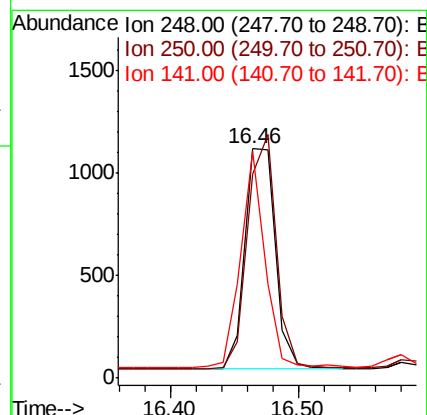
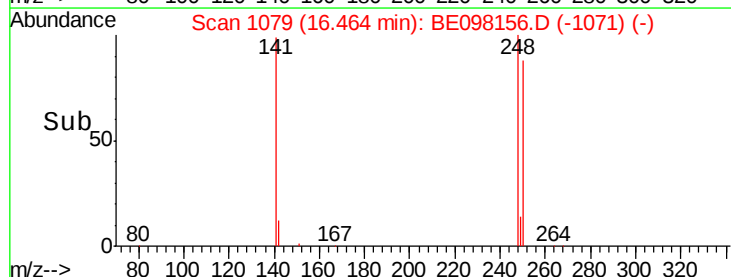
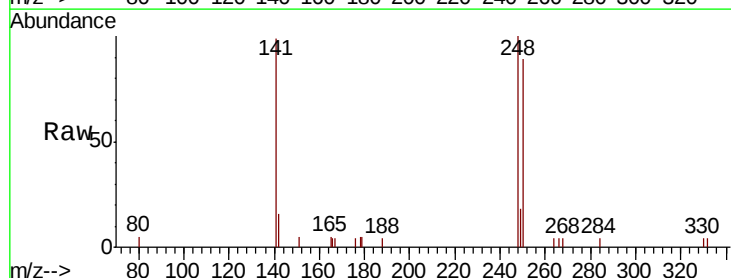
Tgt Ion:248 Resp: 1778

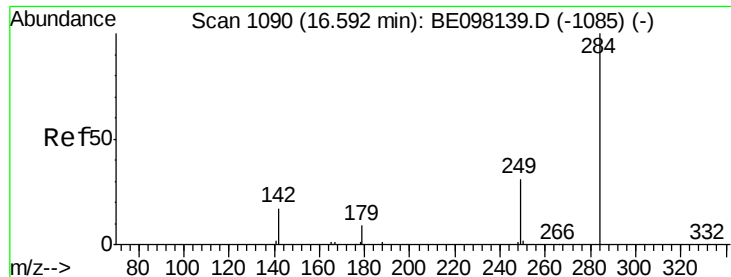
Ion Ratio Lower Upper

248 100

250 88.6 75.1 112.7

141 99.1 51.8 77.8#





#21

Hexachlorobenzene

Concen: 0.418 ng

RT: 16.59 min Scan# 1090

Delta R.T. 0.00 min

Lab File: BE098156.D

Acq: 5 Nov 2018 11:40

Instrument :

BNA_E

ClientSampleId :

PB114428BSD

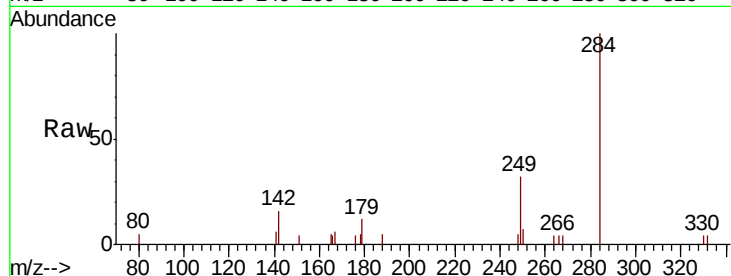
Tot Ion:284 Resp: 1872

Ion Ratio Lower Upper

284 100

142 31.6 25.9 38.9

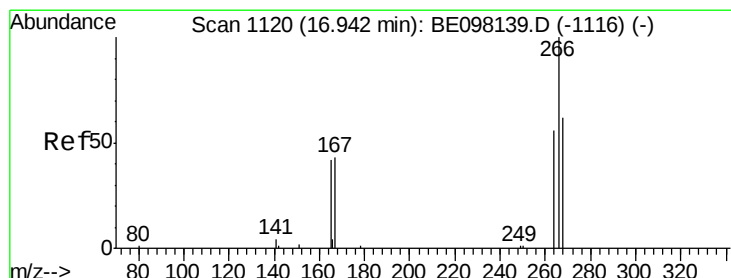
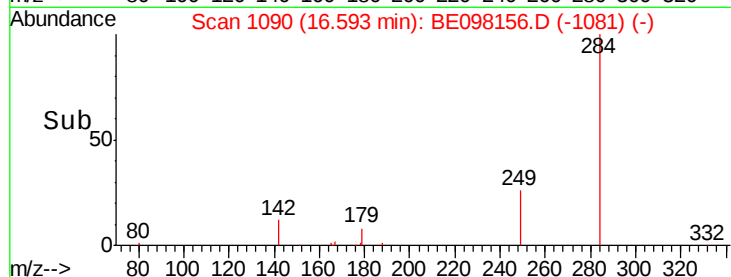
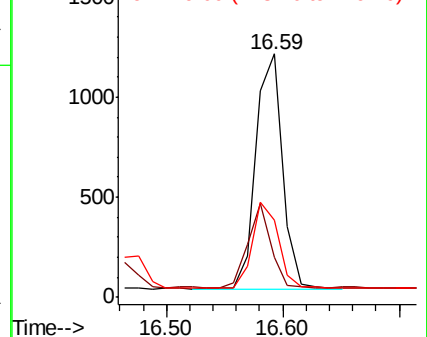
249 36.0 26.6 40.0



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: 0.374 ng

RT: 16.94 min Scan# 1120

Delta R.T. 0.00 min

Lab File: BE098156.D

Acq: 5 Nov 2018 11:40

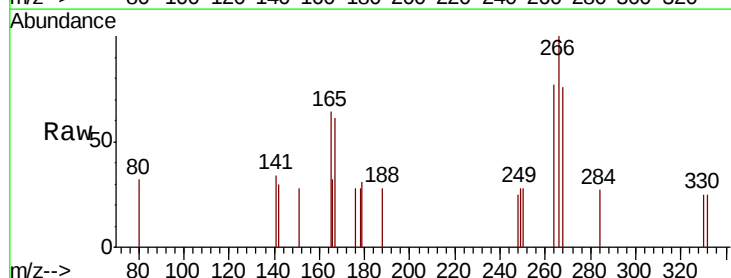
Tgt Ion:266 Resp: 317

Ion Ratio Lower Upper

266 100

264 76.9 51.3 76.9

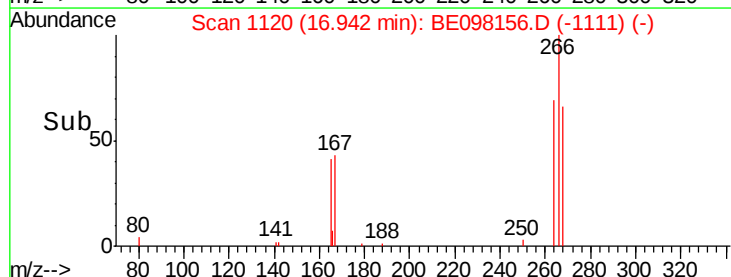
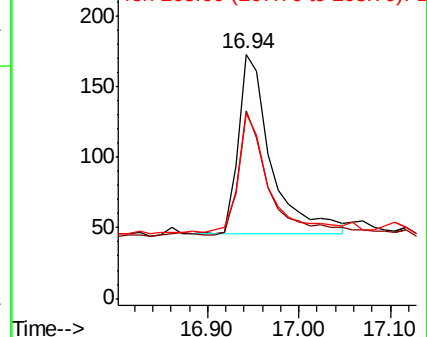
268 75.7 50.1 75.1#

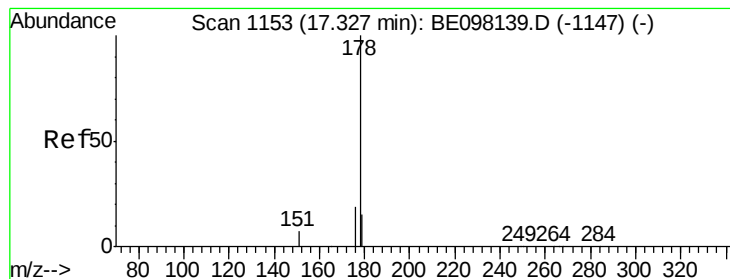


Abundance Ion 266.00 (265.70 to 266.70): E

Ion 264.00 (263.70 to 264.70): E

Ion 268.00 (267.70 to 268.70): E





#23

Phenanthrene

Concen: 0.414 ng

RT: 17.33 min Scan# 1153

Delta R.T. 0.00 min

Lab File: BE098156.D

Acq: 5 Nov 2018 11:40

Instrument :

BNA_E

ClientSampleId :

PB114428BSD

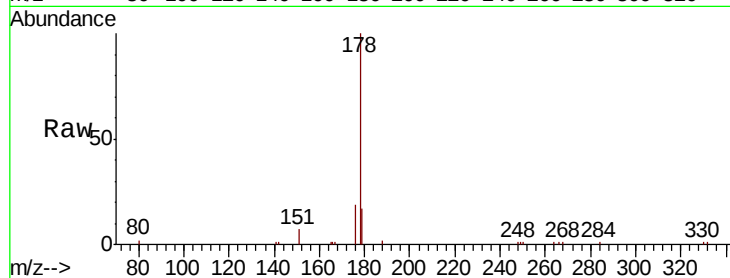
Tot Ion:178 Resp: 7188

Ion Ratio Lower Upper

178 100

176 18.9 15.5 23.3

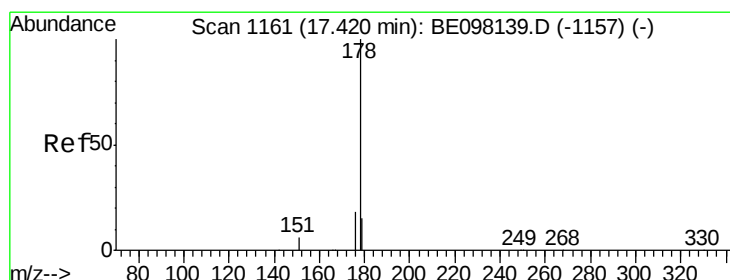
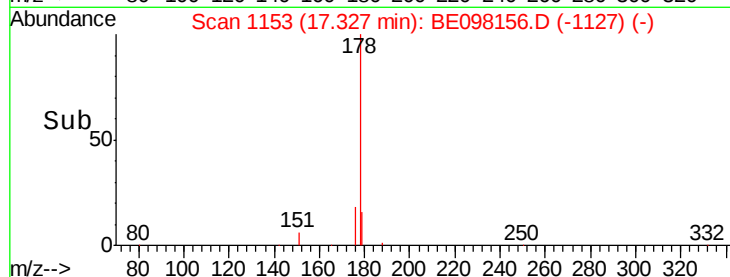
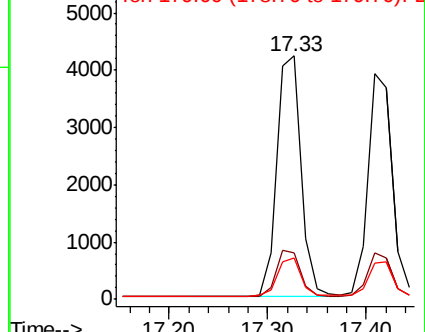
179 15.6 12.2 18.4



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: 0.400 ng

RT: 17.41 min Scan# 1160

Delta R.T. -0.01 min

Lab File: BE098156.D

Acq: 5 Nov 2018 11:40

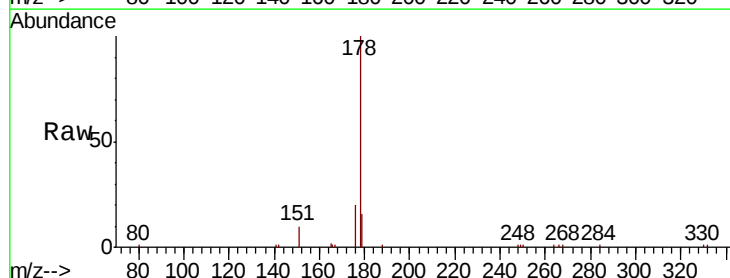
Tgt Ion:178 Resp: 6618

Ion Ratio Lower Upper

178 100

176 19.4 14.9 22.3

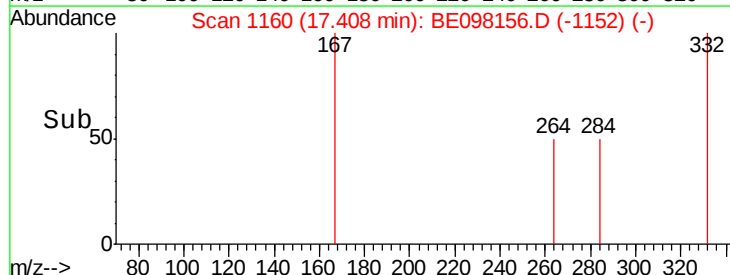
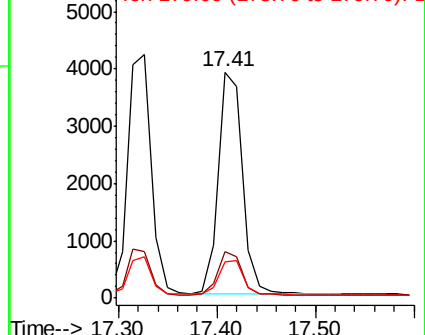
179 15.9 11.9 17.9

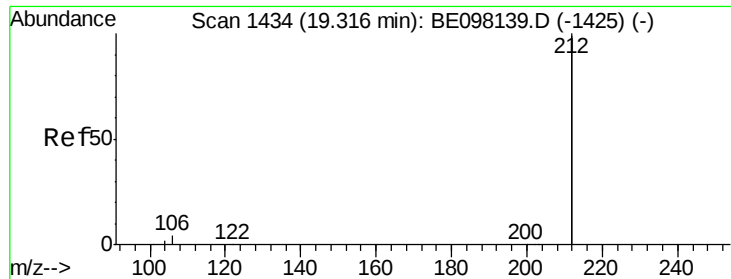


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#25

Fluoranthene-d10

Concen: 0.399 ng

RT: 19.32 min Scan# 1434

Delta R.T. -0.00 min

Lab File: BE098156.D

Acq: 5 Nov 2018 11:40

Instrument :

BNA_E

ClientSampleId :

PB114428BSD

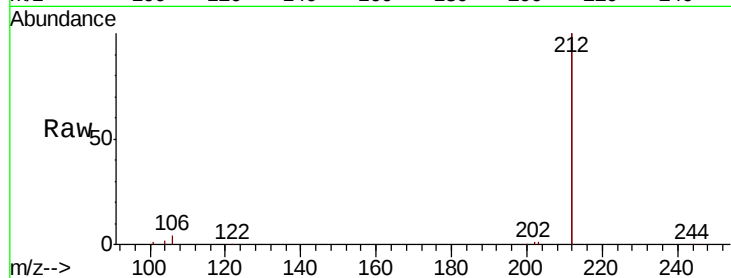
Tot Ion:212 Resp: 36125

Ion Ratio Lower Upper

212 100

106 2.2 2.3 3.5#

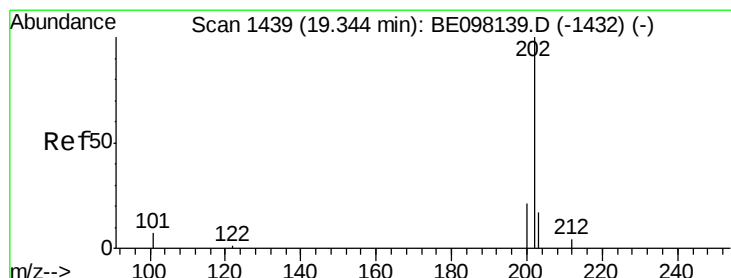
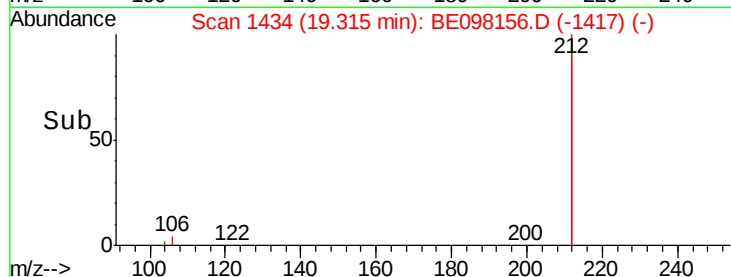
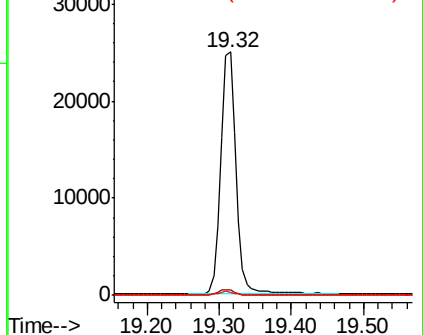
104 1.3 1.3 1.9



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: BE098156.D

Acq: 5 Nov 2018 11:40

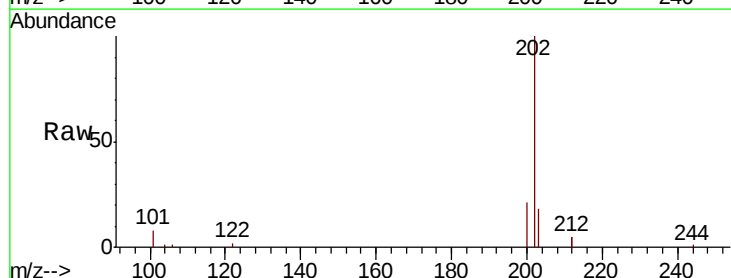
Tgt Ion:202 Resp: 8775

Ion Ratio Lower Upper

202 100

101 8.4 8.2 12.2

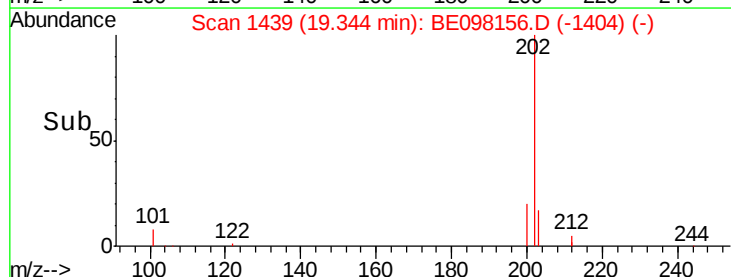
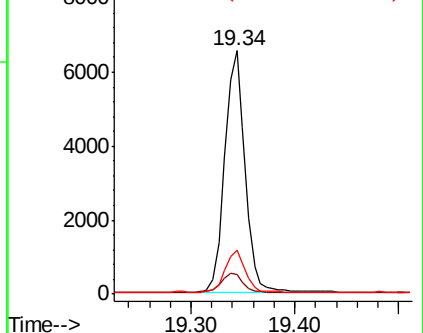
203 17.2 15.0 22.4

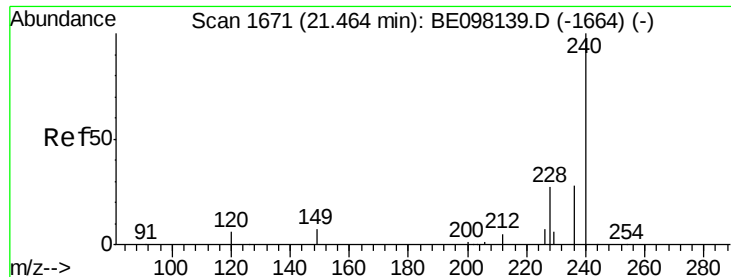


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E

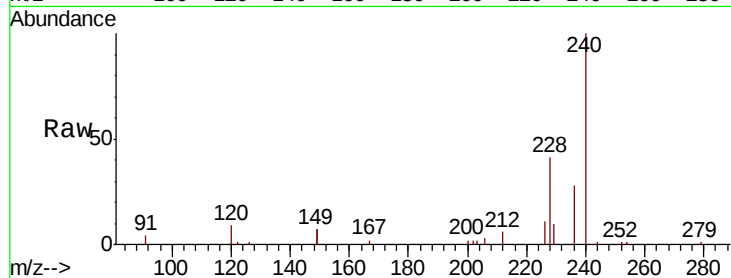




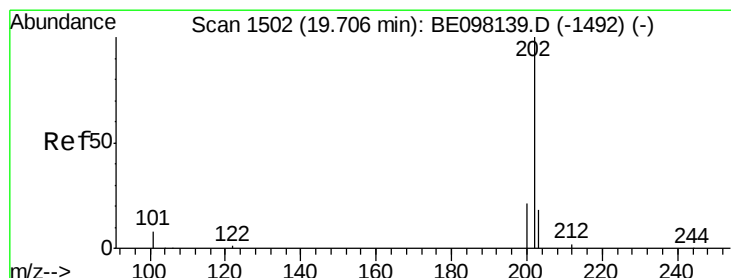
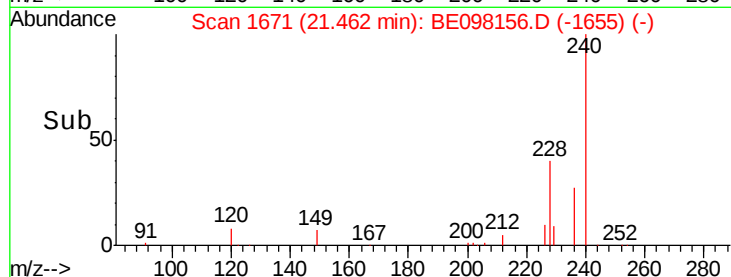
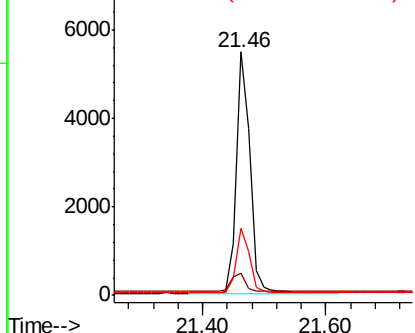
#27
Chrysene-d12
Concen: 0.400 ng
RT: 21.46 min Scan# 1671
Delta R.T. -0.00 min
Lab File: BE098156.D
Acq: 5 Nov 2018 11:40

Instrument :
BNA_E
ClientSampleId :
PB114428BSD

Tot Ion:240 Resp: 8215
Ion Ratio Lower Upper
240 100
120 9.1 7.1 10.7
236 27.8 21.3 31.9

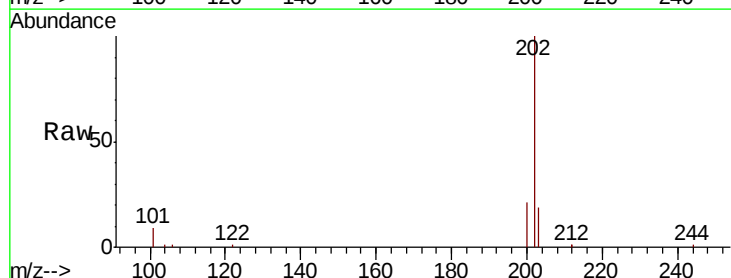


Abundance Ion 240.00 (239.70 to 240.70): E
Ion 120.00 (119.70 to 120.70): E
Ion 236.00 (235.70 to 236.70): E

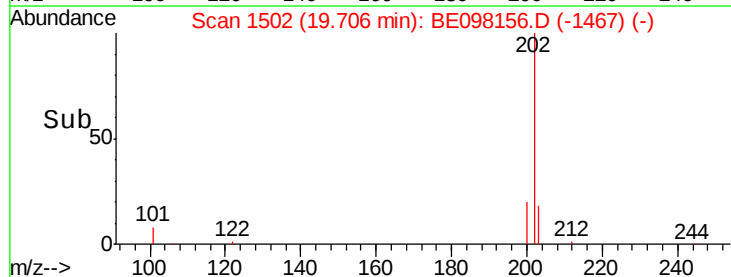
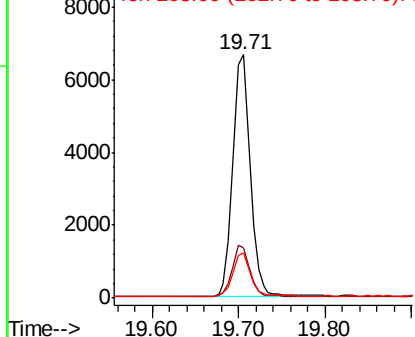


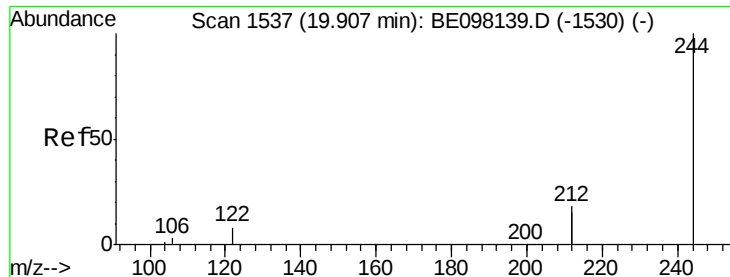
#28
Pyrene
Concen: 0.408 ng
RT: 19.71 min Scan# 1502
Delta R.T. -0.00 min
Lab File: BE098156.D
Acq: 5 Nov 2018 11:40

Tgt Ion:202 Resp: 9148
Ion Ratio Lower Upper
202 100
200 21.1 17.0 25.4
203 17.7 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: 0.404 ng

RT: 19.91 min Scan# 1537

Delta R.T. -0.00 min

Lab File: BE098156.D

Acq: 5 Nov 2018 11:40

Instrument :

BNA_E

ClientSampleId :

PB114428BSD

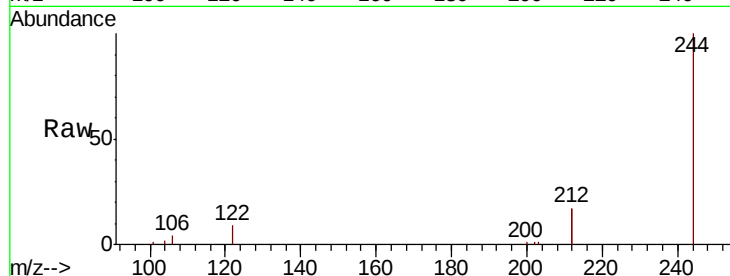
Tot Ion:244 Resp: 7723

Ion Ratio Lower Upper

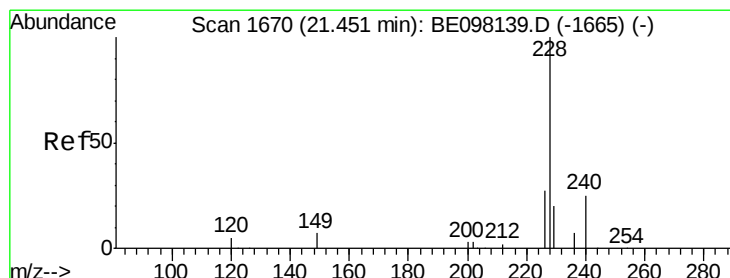
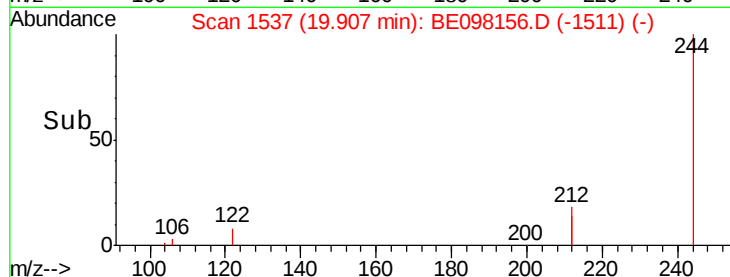
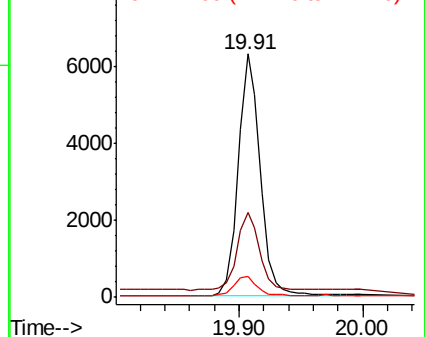
244 100

212 34.8 26.2 39.2

122 8.7 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: 0.397 ng

RT: 21.45 min Scan# 1670

Delta R.T. -0.00 min

Lab File: BE098156.D

Acq: 5 Nov 2018 11:40

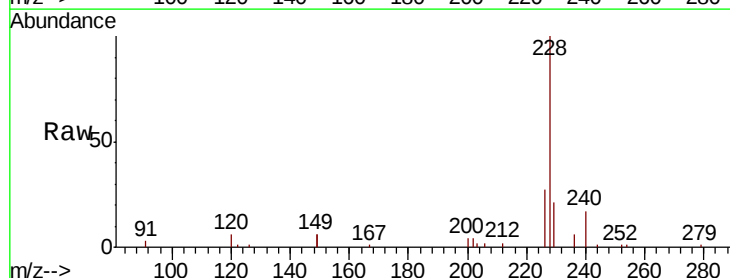
Tgt Ion:228 Resp: 9539

Ion Ratio Lower Upper

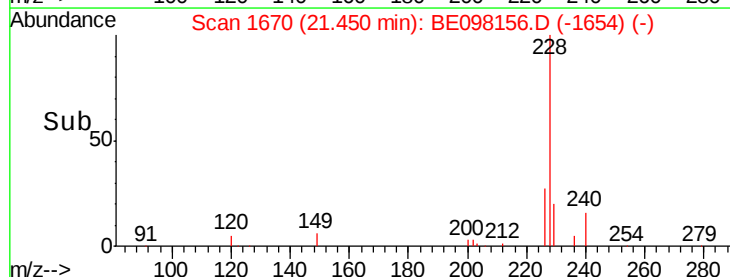
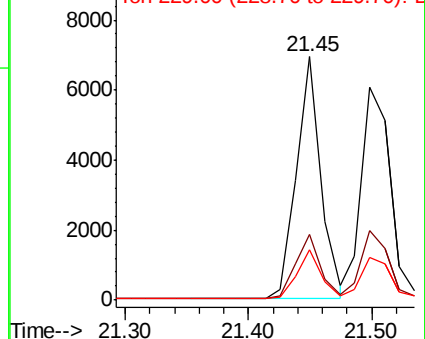
228 100

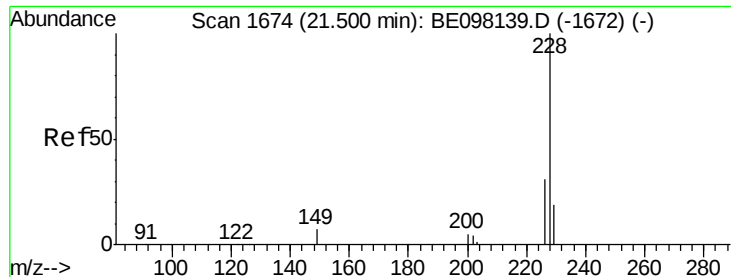
226 27.1 22.6 33.8

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: 0.406 ng

RT: 21.50 min Scan# 1674

Delta R.T. -0.00 min

Lab File: BE098156.D

Acq: 5 Nov 2018 11:40

Instrument :

BNA_E

ClientSampleId :

PB114428BSD

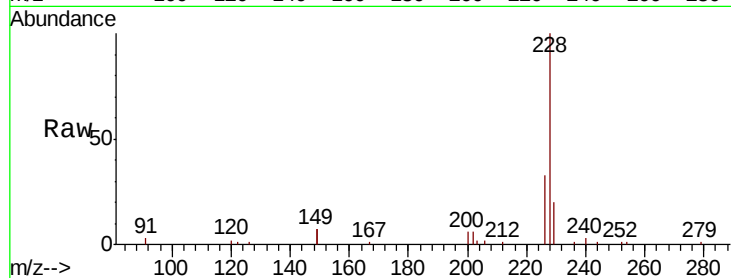
Tot Ion:228 Resp: 9642

Ion Ratio Lower Upper

228 100

226 32.6 24.3 36.5

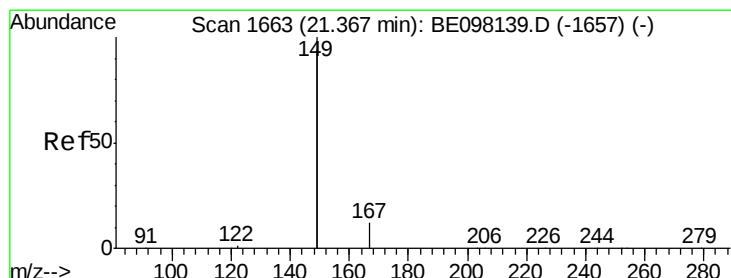
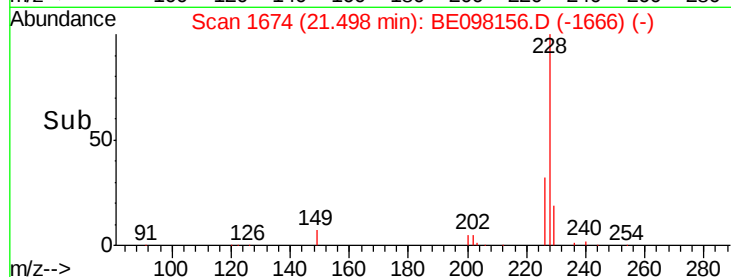
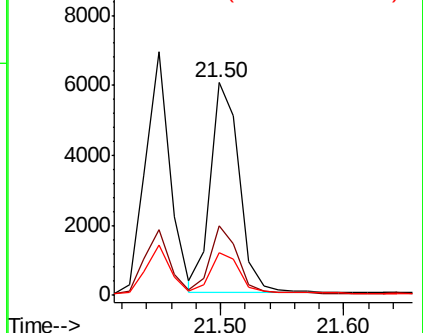
229 19.8 17.3 25.9



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: 0.206 ng

RT: 21.37 min Scan# 1663

Delta R.T. -0.00 min

Lab File: BE098156.D

Acq: 5 Nov 2018 11:40

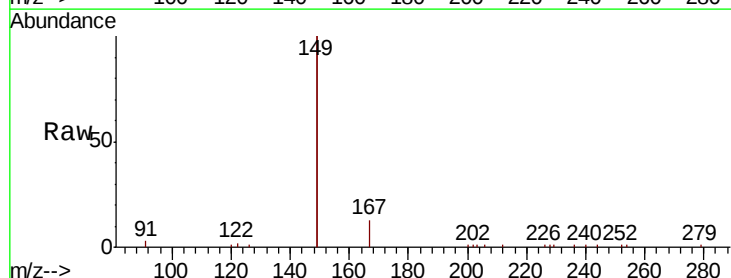
Tgt Ion:149 Resp: 18935

Ion Ratio Lower Upper

149 100

167 7.0 5.6 8.4

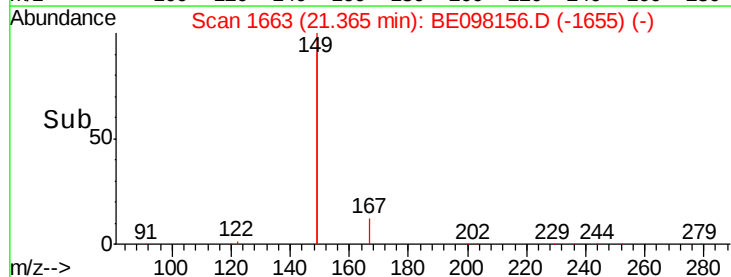
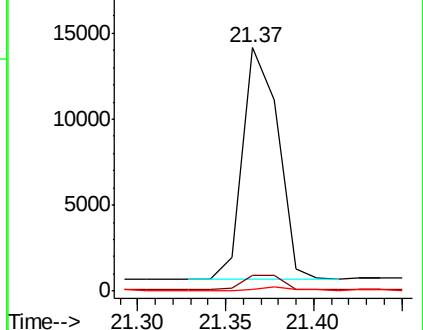
279 1.2 0.9 1.3

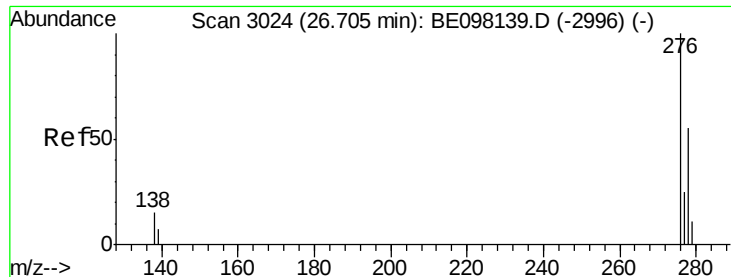


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E

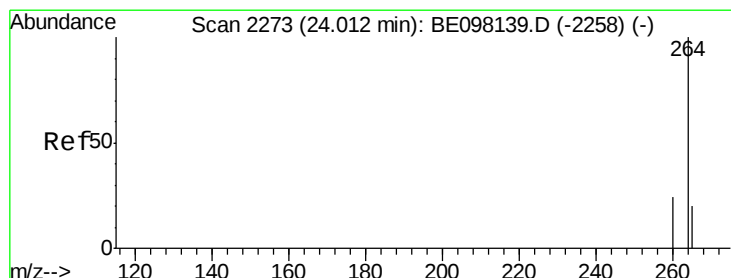
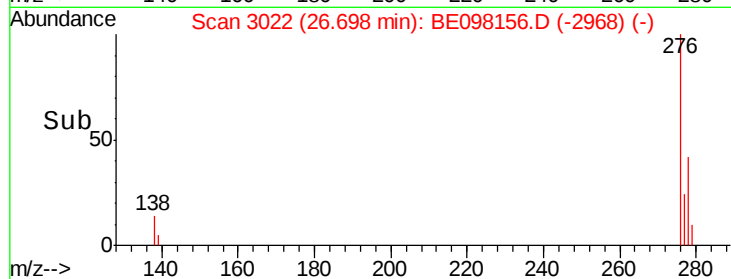
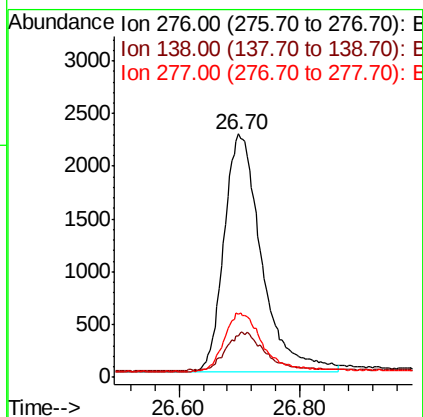
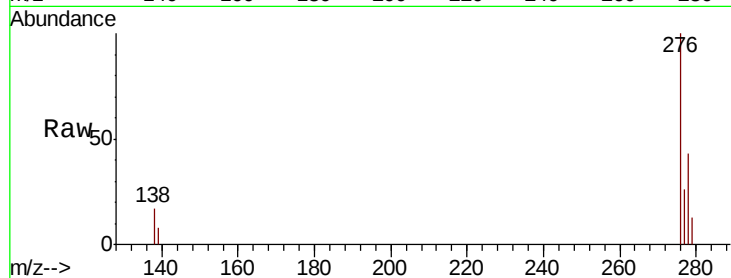




#33
 Indeno(1,2,3-cd)pyrene
 Concen: 0.393 ng
 RT: 26.70 min Scan# 3022
 Delta R.T. -0.01 min
 Lab File: BE098156.D
 Acq: 5 Nov 2018 11:40

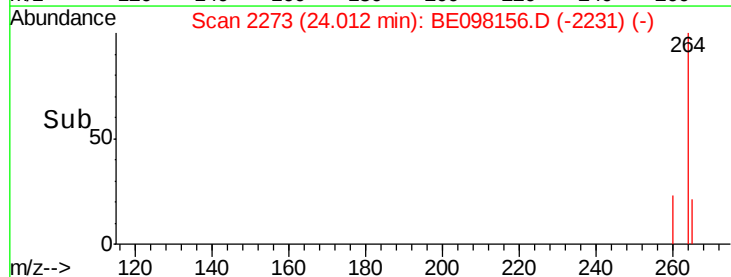
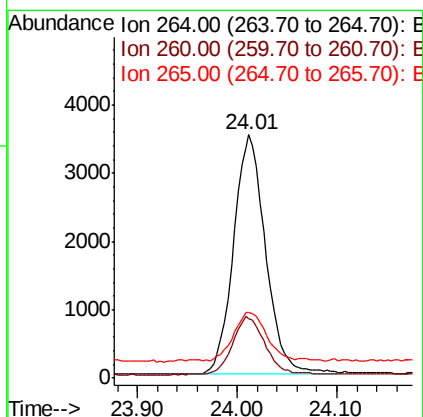
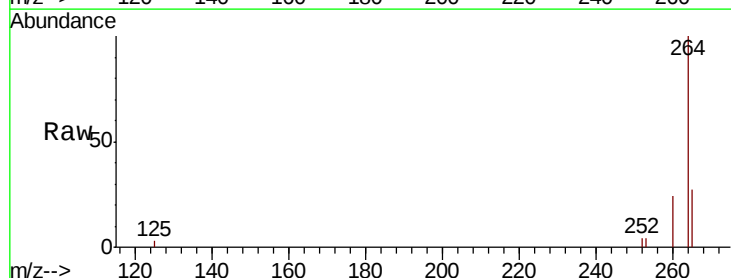
Instrument :
 BNA_E
 ClientSampleId :
 PB114428BSD

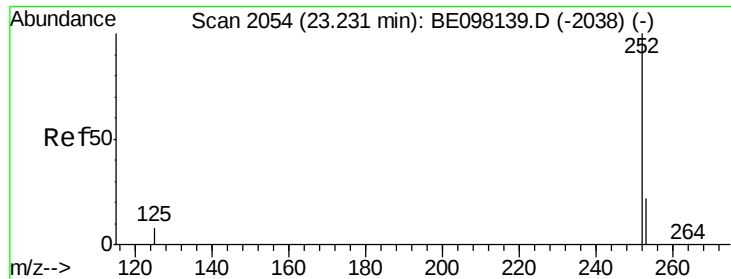
Tot Ion:276 Resp: 9711
 Ion Ratio Lower Upper
 276 100
 138 16.4 17.0 25.6#
 277 25.1 20.5 30.7



#34
 Perylene-d12
 Concen: 0.400 ng
 RT: 24.01 min Scan# 2273
 Delta R.T. 0.00 min
 Lab File: BE098156.D
 Acq: 5 Nov 2018 11:40

Tgt Ion:264 Resp: 7867
 Ion Ratio Lower Upper
 264 100
 260 24.4 21.1 31.7
 265 27.2 29.2 43.8#





#35

Benzo(b)fluoranthene

Concen: 0.399 ng

RT: 23.23 min Scan# 2054

Delta R.T. 0.00 min

Lab File: BE098156.D

Acq: 5 Nov 2018 11:40

Instrument :

BNA_E

ClientSampleId :

PB114428BSD

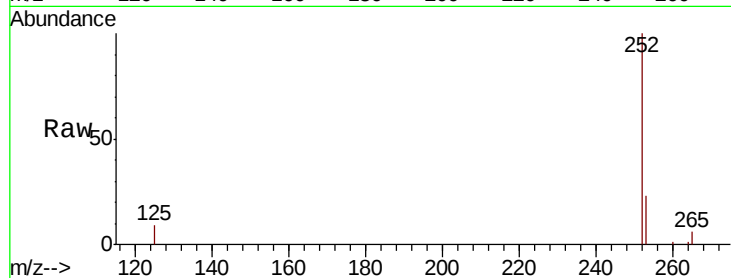
Tot Ion:252 Resp: 8837

Ion Ratio Lower Upper

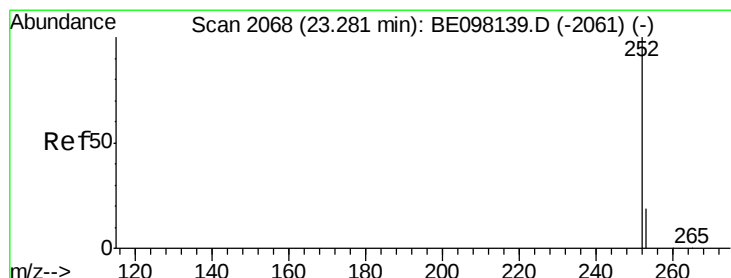
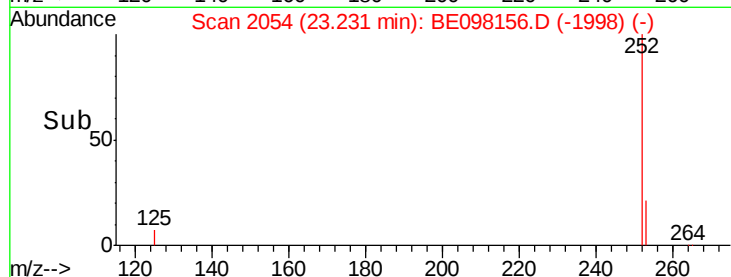
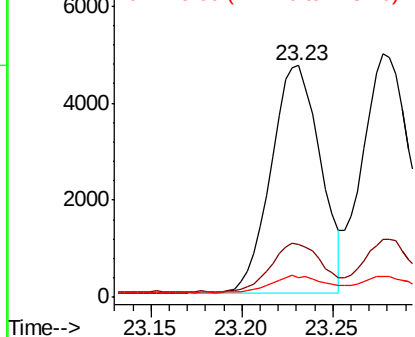
252 100

253 22.9 20.6 31.0

125 8.6 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: 0.402 ng

RT: 23.28 min Scan# 2067

Delta R.T. -0.00 min

Lab File: BE098156.D

Acq: 5 Nov 2018 11:40

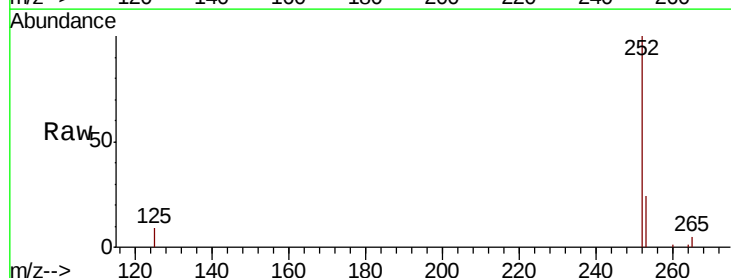
Tgt Ion:252 Resp: 9223

Ion Ratio Lower Upper

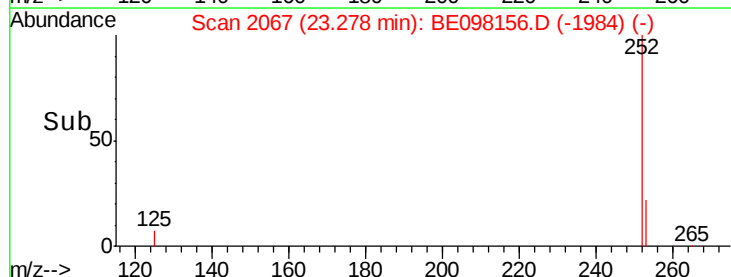
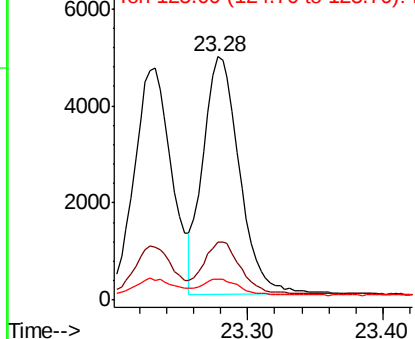
252 100

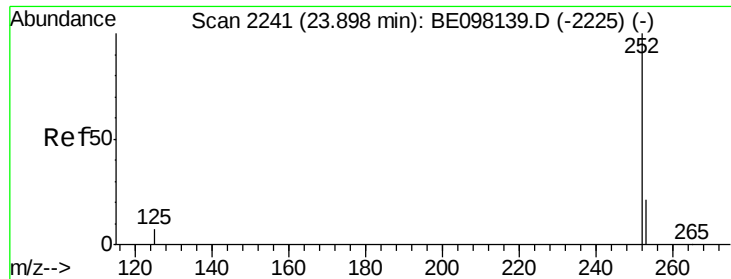
253 23.6 20.4 30.6

125 8.6 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

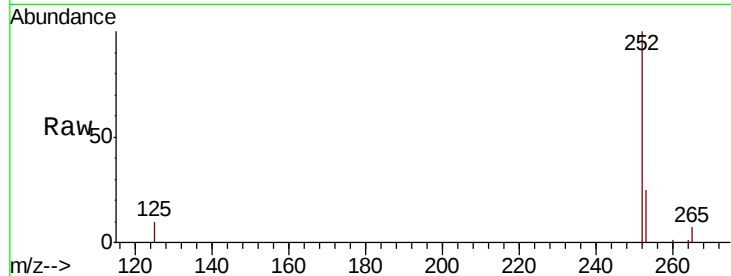




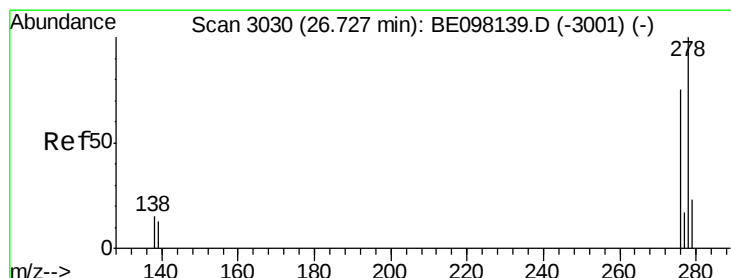
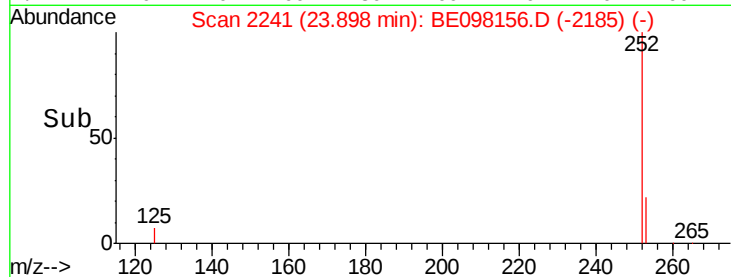
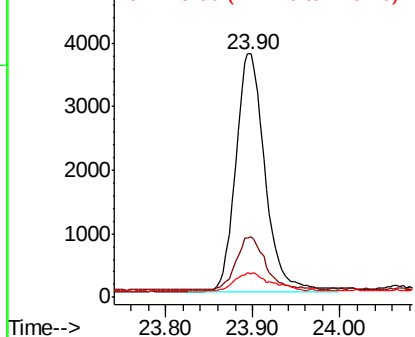
#37
Benzo(a)pyrene
Concen: 0.406 ng
RT: 23.90 min Scan# 2241
Delta R.T. 0.00 min
Lab File: BE098156.D
Acq: 5 Nov 2018 11:40

Instrument :
BNA_E
ClientSampleId :
PB114428BSD

Tot Ion:252 Resp: 8784
Ion Ratio Lower Upper
252 100
253 25.1 20.6 31.0
125 9.6 15.6 23.4#

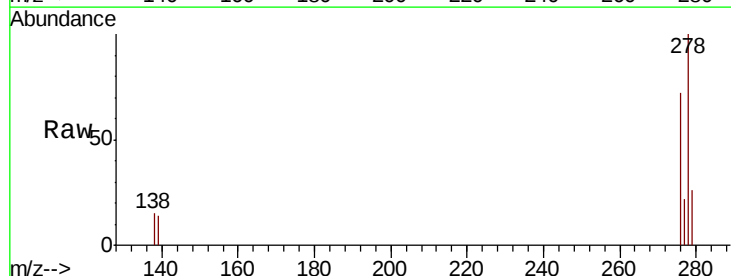


Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E

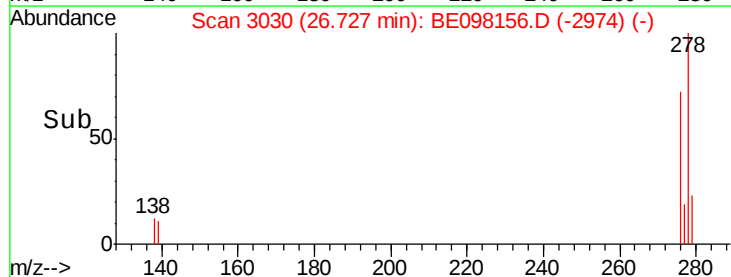
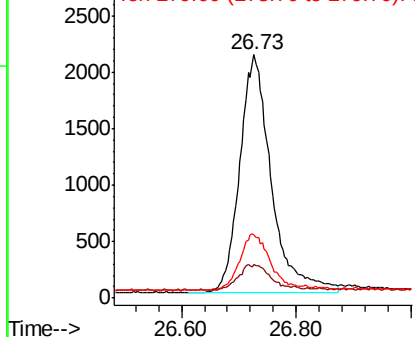


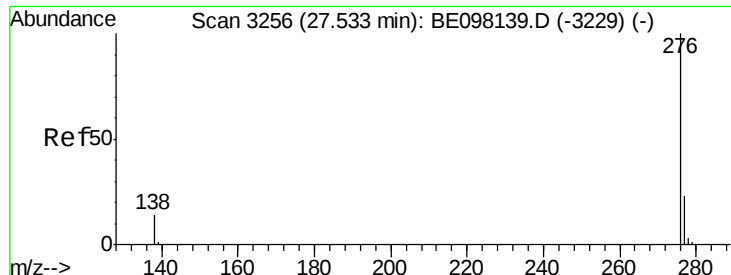
#38
Dibenzo(a,h)anthracene
Concen: 0.399 ng
RT: 26.73 min Scan# 3030
Delta R.T. 0.00 min
Lab File: BE098156.D
Acq: 5 Nov 2018 11:40

Tgt Ion:278 Resp: 8064
Ion Ratio Lower Upper
278 100
139 14.0 16.3 24.5#
279 25.9 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: 0.404 ng

RT: 27.53 min Scan# 3255

Delta R.T. -0.00 min

Lab File: BE098156.D

Acq: 5 Nov 2018 11:40

Instrument :

BNA_E

ClientSampleId :

PB114428BSD

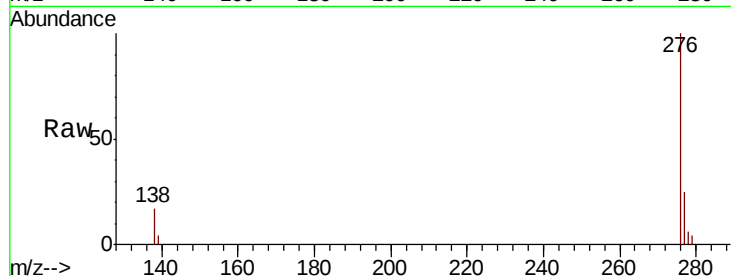
Tot Ion: 276 Resp: 8129

Ion Ratio Lower Upper

276 100

277 24.7 22.1 33.1

138 16.9 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

