

Data Path : Z:\SVOASRV\HPCHEM1\BNA_E\DATA\BE112118\
 Data File : BE098263.D
 Acq On : 21 Nov 2018 15:48
 Operator : SJ/JU
 Sample : J5996-05DL 20X
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 AOC8-01R-ADL

Quant Time: Nov 22 00:02:23 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_E\METHODS\8270-SIM-BE111618.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Nov 16 19:05:33 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.88	152	1516	0.40	ng	0.02
7) Naphthalene-d8	10.68	136	7217	0.40	ng	0.01
13) Acenaphthene-d10	14.54	164	4555	0.40	ng	0.01
19) Phenanthrene-d10	17.29	188	9881	0.40	ng	0.01
27) Chrysene-d12	21.48	240	11632	0.40	ng	0.01
34) Perylene-d12	24.02	264	10830	0.40	ng	0.00

System Monitoring Compounds						
4) 2-Fluorophenol	5.47	112	100	0.02	ng	0.00
5) Phenol-d6	7.07	99	149	0.02	ng	0.03
8) Nitrobenzene-d5	9.04	82	99	0.01	ng	0.03
11) 2-Methylnaphthalene-d10	12.28	152	220	0.02	ng	0.01
14) 2,4,6-Tribromophenol	16.04	330	62	0.04	ng	0.01
15) 2-Fluorobiphenyl	13.16	172	287	0.01	ng	0.01
25) Fluoranthene-d10	19.32	212	1813	0.02	ng	0.00
29) Terphenyl-d14	19.91	244	506	0.02	ng	0.00

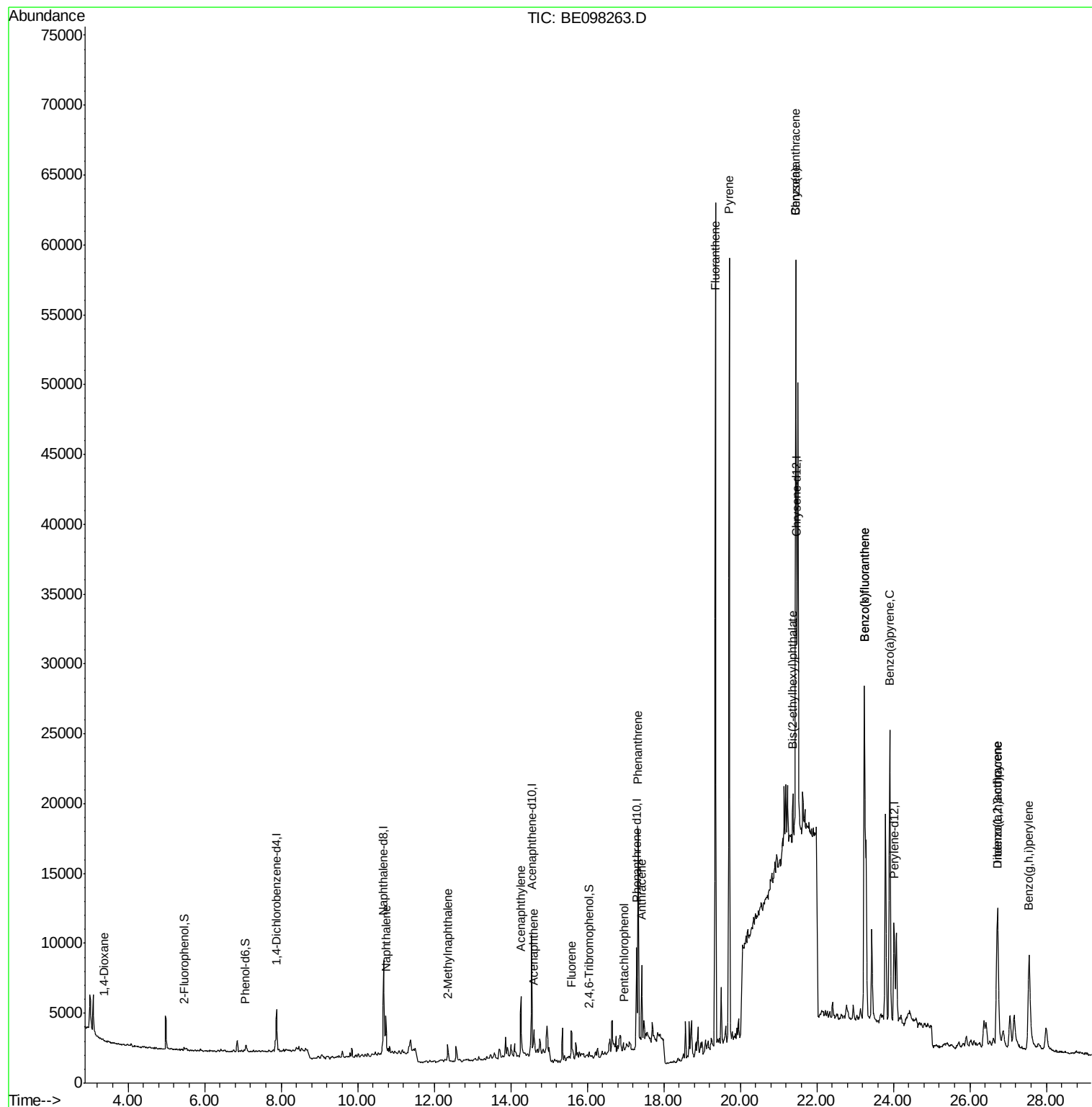
Target Compounds				Qvalue		
2) 1,4-Dioxane	3.37	88	52	0.022	ng	# 31
9) Naphthalene	10.73	128	4539	0.062	ng	# 95
12) 2-Methylnaphthalene	12.35	142	891	0.069	ng	95
16) Acenaphthylene	14.27	152	6528	0.301	ng	98
17) Acenaphthene	14.60	154	798	0.062	ng	94
18) Fluorene	15.59	166	2143	0.130	ng	93
22) Pentachlorophenol	16.95	266	27	0.122	ng	# 85
23) Phenanthrene	17.33	178	17281	0.680	ng	97
24) Anthracene	17.42	178	6041	0.262	ng	98
26) Fluoranthene	19.35	202	53349	1.749	ng	99
28) Pyrene	19.71	202	51825	1.524	ng	97
30) Benzo(a)anthracene	21.45	228	36369	1.081	ng	92
31) Chrysene	21.45	228	21087	0.609	ng	98
32) Bis(2-ethylhexyl)phthalate	21.38	149	4632	0.088	ng	# 92
33) Indeno(1,2,3-cd)pyrene	26.72	276	21989	0.742	ng	# 92
35) Benzo(b)fluoranthene	23.24	252	46344	1.515	ng	# 90
36) Benzo(k)fluoranthene	23.24	252	46344	1.342	ng	# 88
37) Benzo(a)pyrene	23.91	252	33429	1.113	ng	# 90
38) Dibenzo(a,h)anthracene	26.73	278	5498	0.228	ng	# 57
39) Benzo(g,h,i)perylene	27.55	276	19447	0.750	ng	# 90

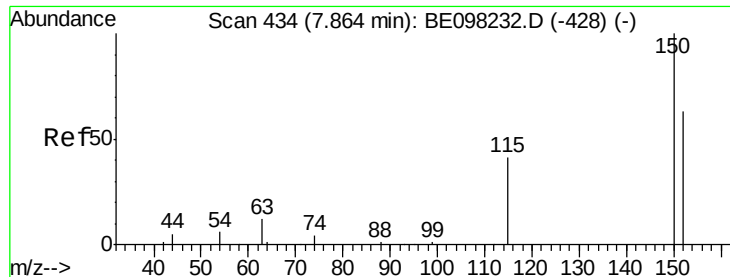
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 0.400 ng

RT: 7.88 min Scan# 436

Delta R.T. 0.02 min

Lab File: BE098263.D

Acq: 21 Nov 2018 15:48

Instrument :

BNA_E

ClientSampleId :

AOC8-01R-ADL

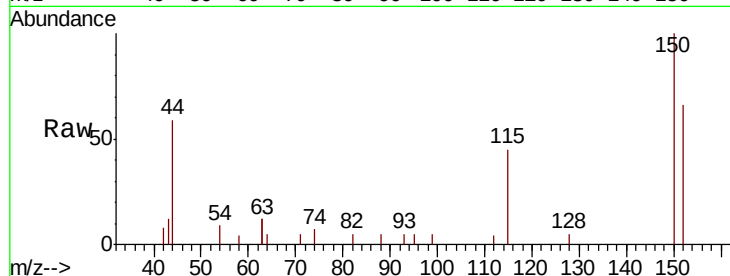
Tgt Ion: 152 Resp: 1516

Ion Ratio Lower Upper

152 100

150 151.1 127.5 191.3

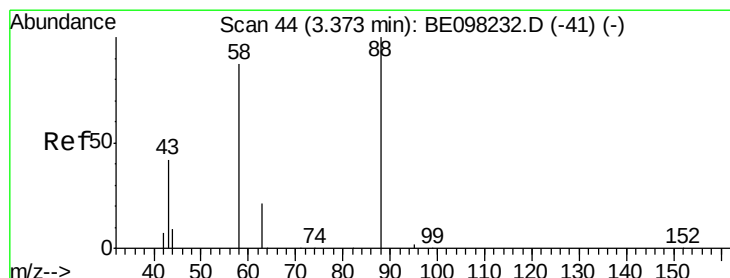
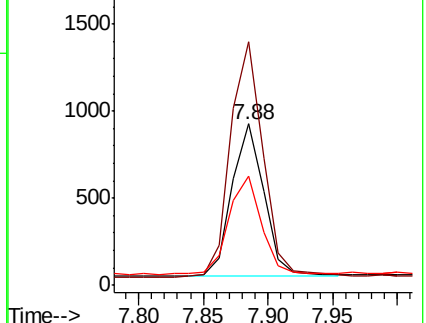
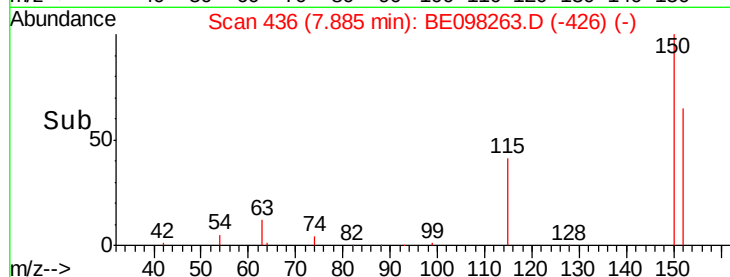
115 67.7 60.3 90.5



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: 0.022 ng

RT: 3.37 min Scan# 44

Delta R.T. -0.00 min

Lab File: BE098263.D

Acq: 21 Nov 2018 15:48

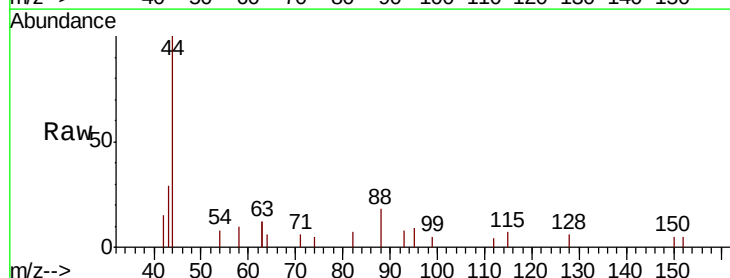
Tgt Ion: 88 Resp: 52

Ion Ratio Lower Upper

88 100

58 30.8 79.0 118.4#

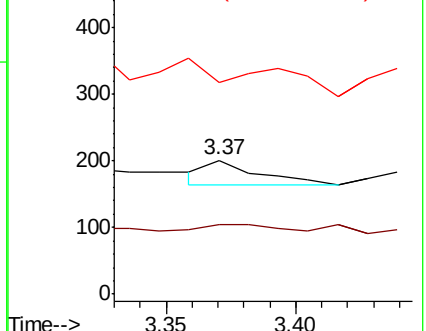
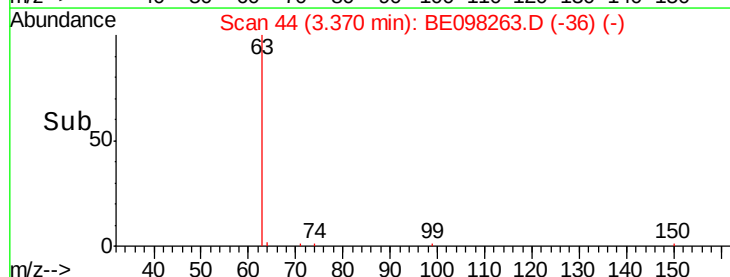
43 0.0 38.1 57.1#

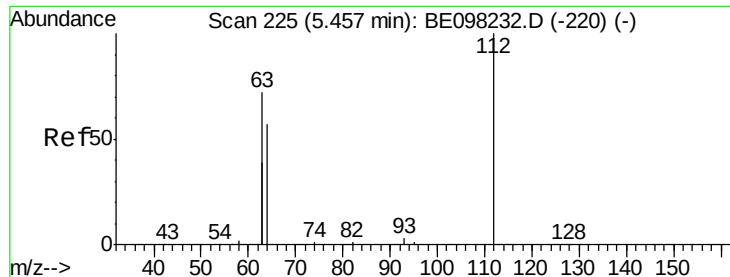


Abundance Ion 88.00 (87.70 to 88.70): BE0

Ion 58.00 (57.70 to 58.70): BE0

Ion 43.00 (42.70 to 43.70): BE0





#4

2-Fluorophenol

Concen: 0.025 ng

RT: 5.47 min Scan# 226

Delta R.T. 0.01 min

Lab File: BE098263.D

Acq: 21 Nov 2018 15:48

Instrument :

BNA_E

ClientSampleId :

AOC8-01R-ADL

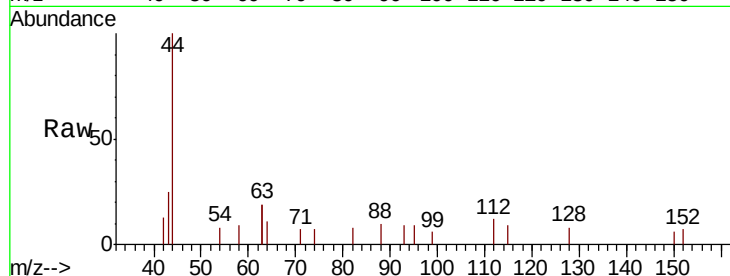
Tgt Ion: 112 Resp: 100

Ion Ratio Lower Upper

112 100

64 66.0 61.7 92.5

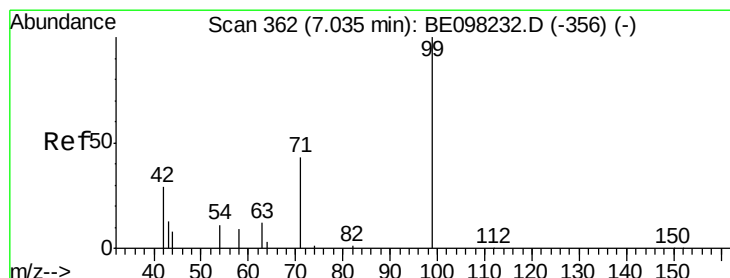
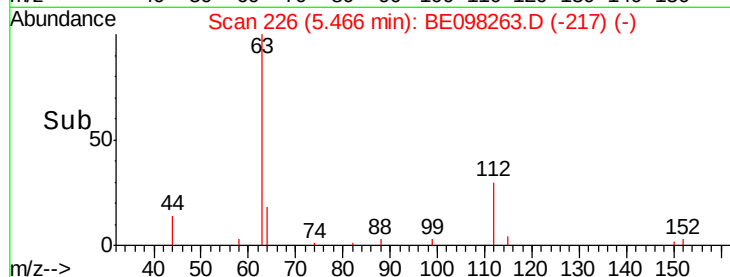
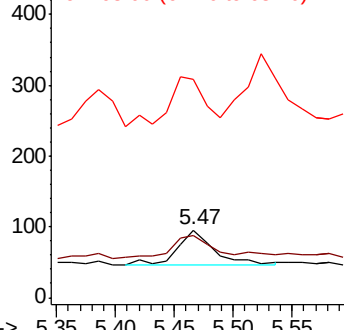
63 122.0 136.2 204.2#



Abundance Ion 112.00 (111.70 to 112.70): BE0

Ion 64.00 (63.70 to 64.70): BE0

Ion 63.00 (62.70 to 63.70): BE0



#5

Phenol-d6

Concen: 0.023 ng

RT: 7.07 min Scan# 365

Delta R.T. 0.03 min

Lab File: BE098263.D

Acq: 21 Nov 2018 15:48

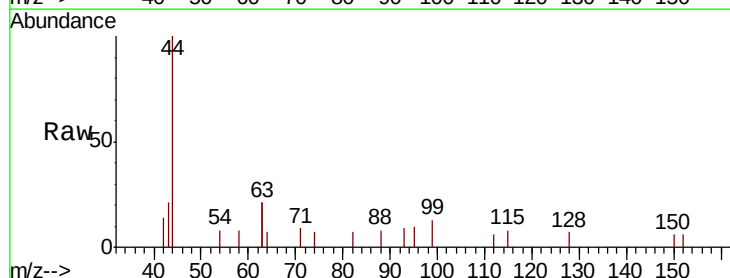
Tgt Ion: 99 Resp: 149

Ion Ratio Lower Upper

99 100

42 0.0 27.1 40.7#

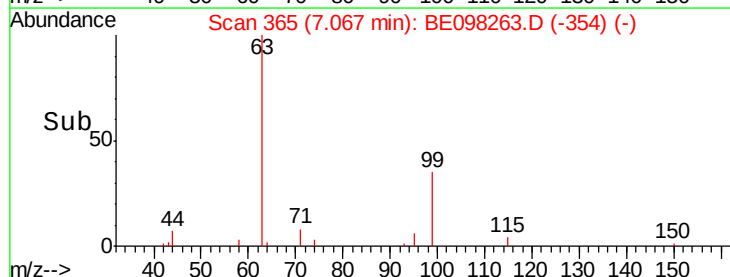
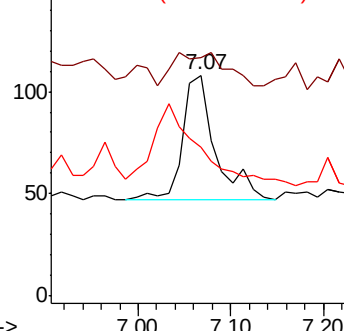
71 0.0 37.0 55.6#

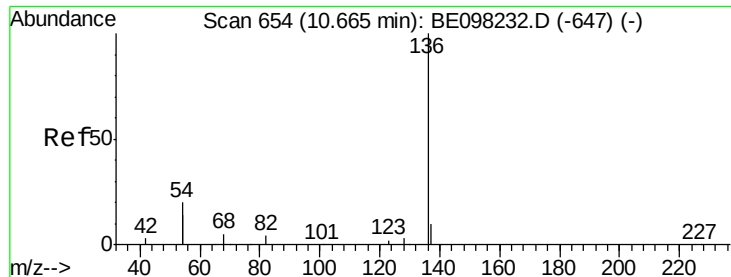


Abundance Ion 99.00 (98.70 to 99.70): BE0

Ion 42.00 (41.70 to 42.70): BE0

Ion 71.00 (70.70 to 71.70): BE0





#7

Naphthalene-d8

Concen: 0.400 ng

RT: 10.68 min Scan# 655

Delta R.T. 0.01 min

Lab File: BE098263.D

Acq: 21 Nov 2018 15:48

Instrument :

BNA_E

ClientSampleId :

AOC8-01R-ADL

Tgt Ion: 136 Resp: 7217

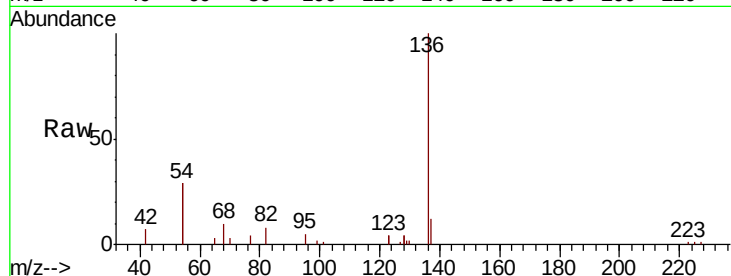
Ion Ratio Lower Upper

136 100

137 11.9 9.5 14.3

54 58.2 31.3 46.9#

68 9.5 4.8 7.2#

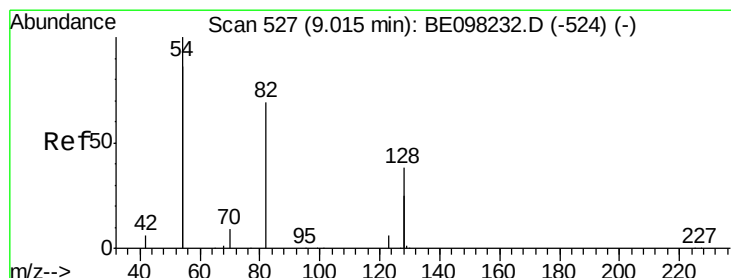
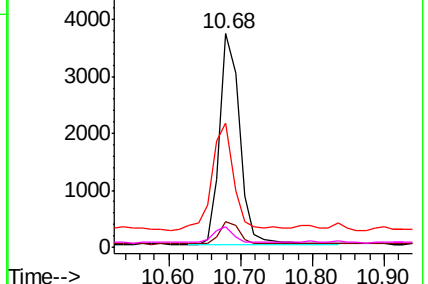
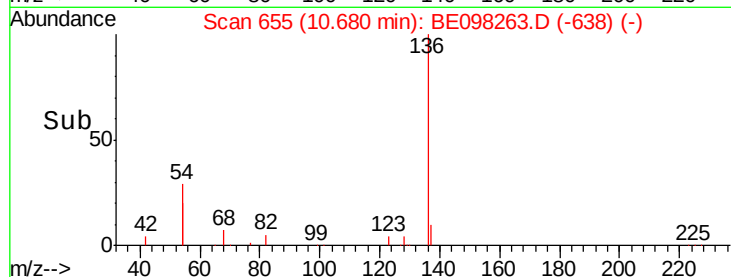


Abundance Ion 136.00 (135.70 to 136.70): E

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: 0.015 ng

RT: 9.04 min Scan# 529

Delta R.T. 0.03 min

Lab File: BE098263.D

Acq: 21 Nov 2018 15:48

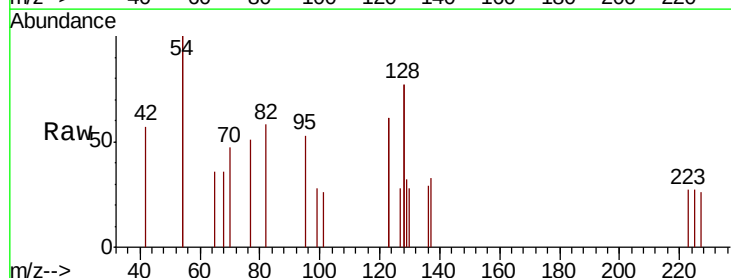
Tgt Ion: 82 Resp: 99

Ion Ratio Lower Upper

82 100

128 265.4 96.1 144.1#

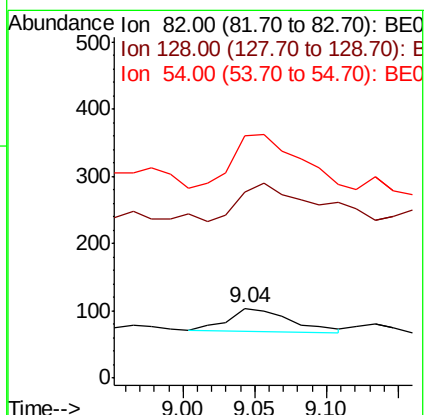
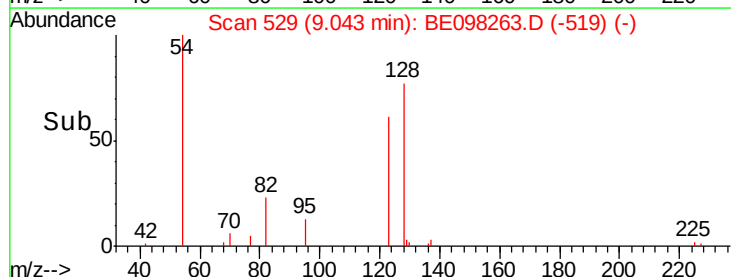
54 346.2 232.0 348.0

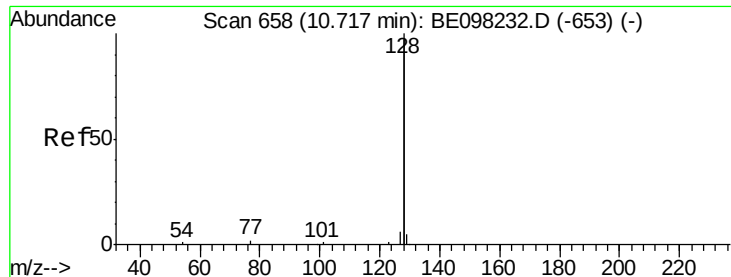


Abundance Ion 82.00 (81.70 to 82.70): BE0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BE0

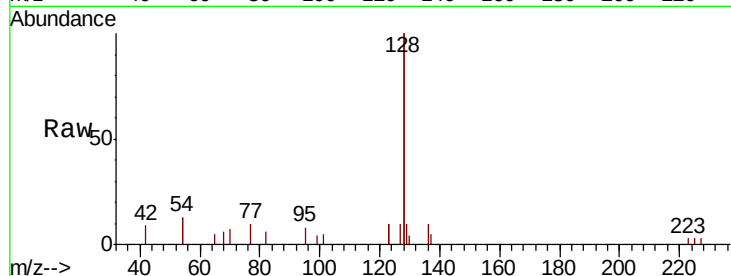




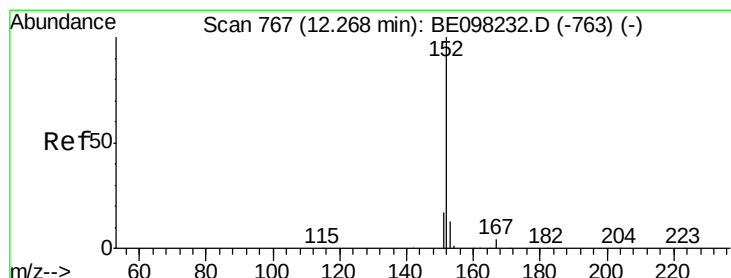
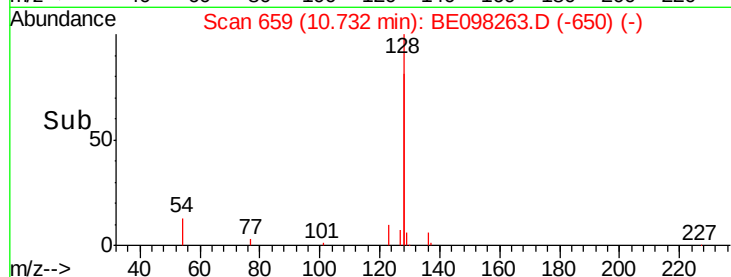
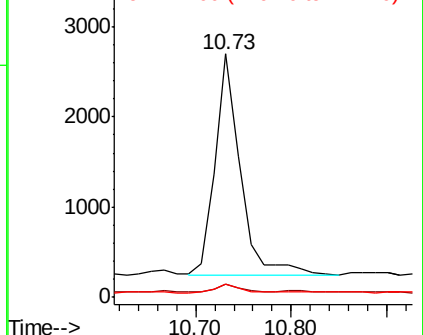
#9
Naphthalene
Concen: 0.062 ng
RT: 10.73 min Scan# 659
Delta R.T. 0.01 min
Lab File: BE098263.D
Acq: 21 Nov 2018 15:48

Instrument :
BNA_E
ClientSampleId :
AOC8-01R-ADL

Tgt Ion:128 Resp: 4539
Ion Ratio Lower Upper
128 100
129 5.2 2.6 4.0#
127 5.2 2.8 4.2#

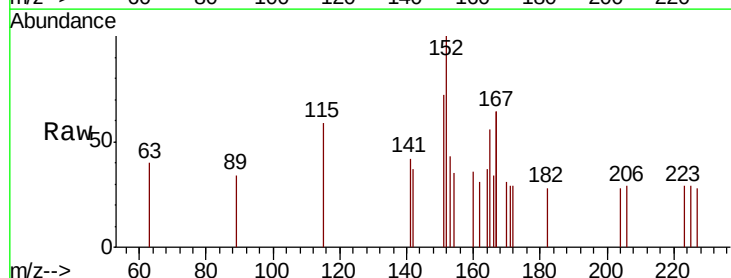


Abundance Ion 128.00 (127.70 to 128.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 127.00 (126.70 to 127.70): E

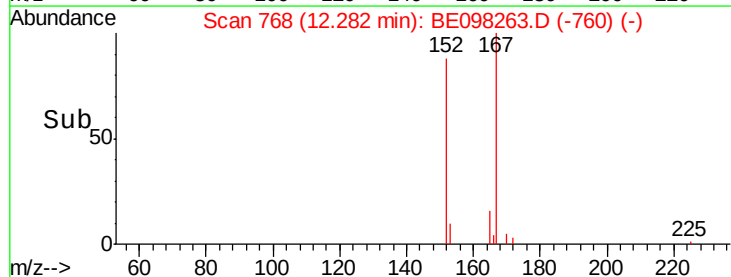
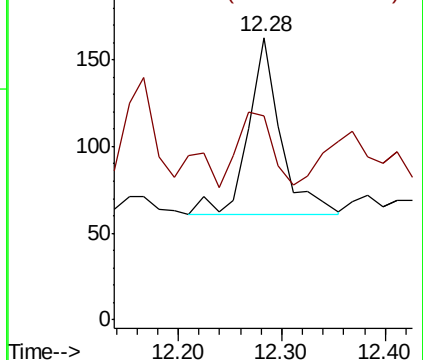


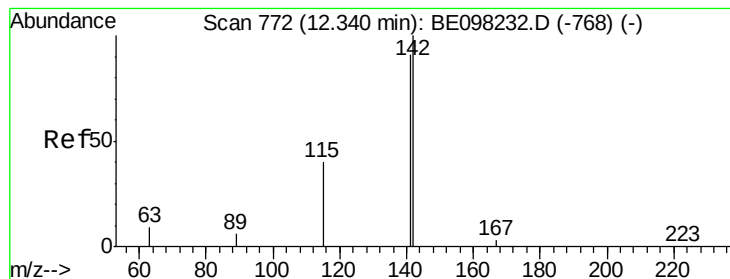
#11
2-Methylnaphthalene-d10
Concen: 0.017 ng
RT: 12.28 min Scan# 768
Delta R.T. 0.01 min
Lab File: BE098263.D
Acq: 21 Nov 2018 15:48

Tgt Ion:152 Resp: 220
Ion Ratio Lower Upper
152 100
151 47.3 15.4 23.2#



Abundance Ion 152.00 (151.70 to 152.70): E
Ion 151.00 (150.70 to 151.70): E





#12

2-Methylnaphthalene

Concen: 0.069 ng

RT: 12.35 min Scan# 773

Delta R.T. 0.01 min

Lab File: BE098263.D

Acq: 21 Nov 2018 15:48

Instrument :

BNA_E

ClientSampleId :

AOC8-01R-ADL

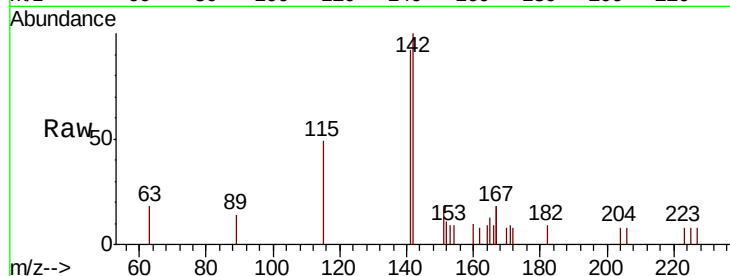
Tgt Ion:142 Resp: 891

Ion Ratio Lower Upper

142 100

141 91.6 76.3 114.5

115 49.5 35.8 53.8

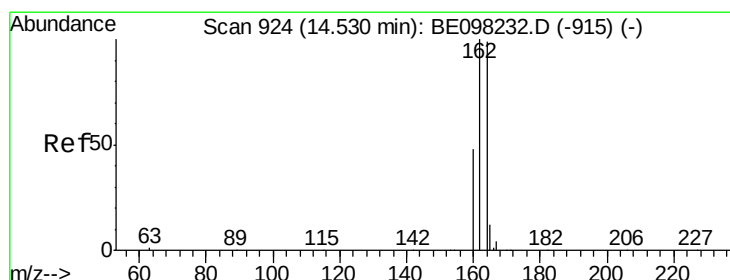
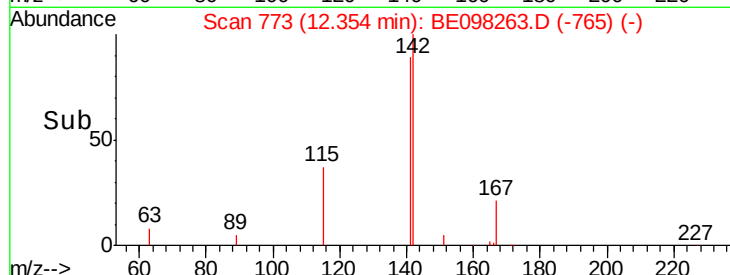
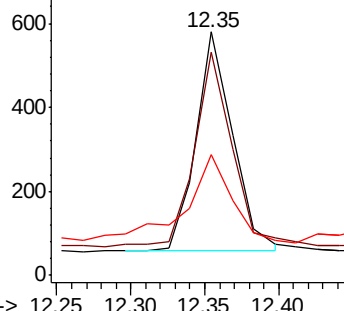


Abundance

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



#13

Acenaphthene-d10

Concen: 0.400 ng

RT: 14.54 min Scan# 925

Delta R.T. 0.01 min

Lab File: BE098263.D

Acq: 21 Nov 2018 15:48

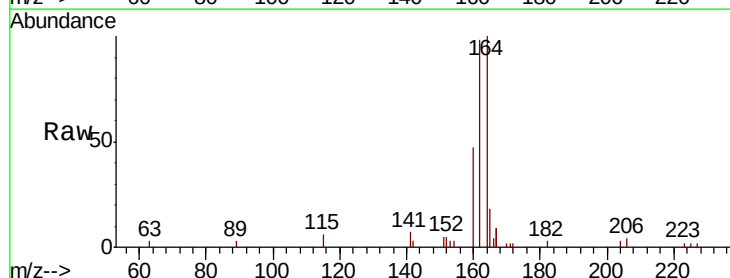
Tgt Ion:164 Resp: 4555

Ion Ratio Lower Upper

164 100

162 97.7 81.8 122.6

160 47.0 39.4 59.0

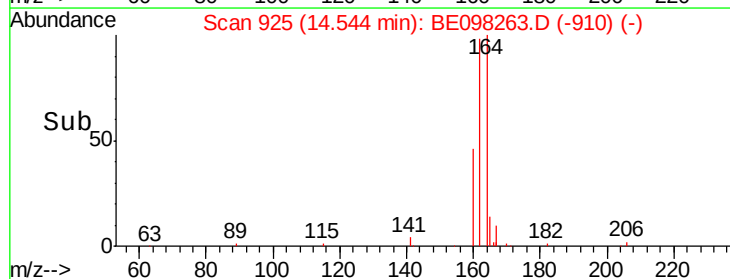
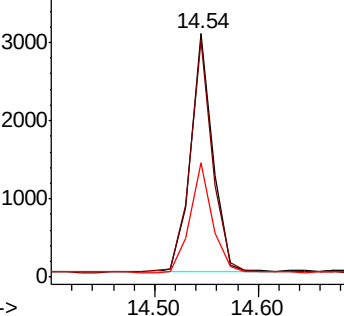


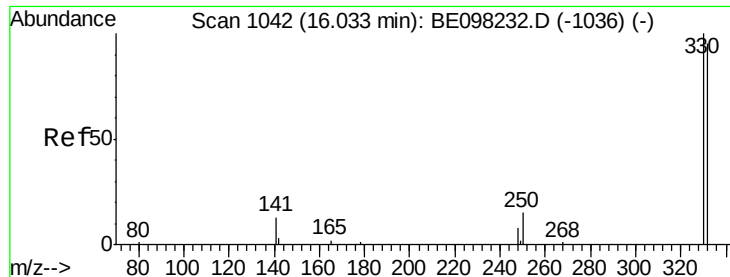
Abundance

Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

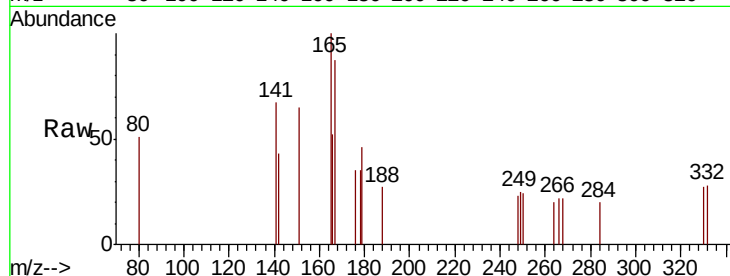




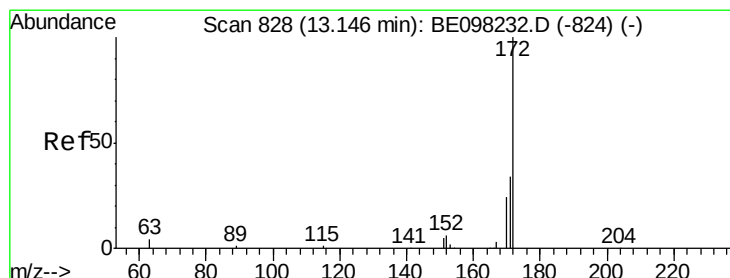
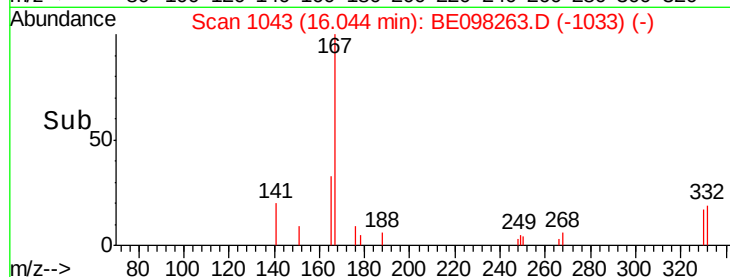
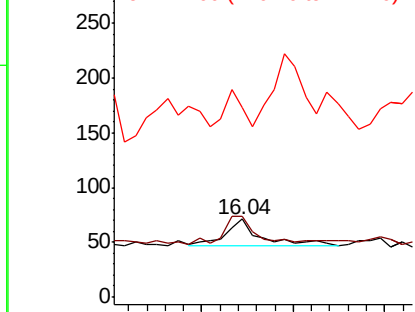
#14
 2,4,6-Tribromophenol
 Concen: 0.042 ng
 RT: 16.04 min Scan# 1043
 Delta R.T. 0.01 min
 Lab File: BE098263.D
 Acq: 21 Nov 2018 15:48

Instrument :
 BNA_E
 ClientSampleId :
 AOC8-01R-ADL

Tgt Ion: 330 Resp: 62
 Ion Ratio Lower Upper
 330 100
 332 104.8 77.7 116.5
 141 67.7 33.6 50.4#

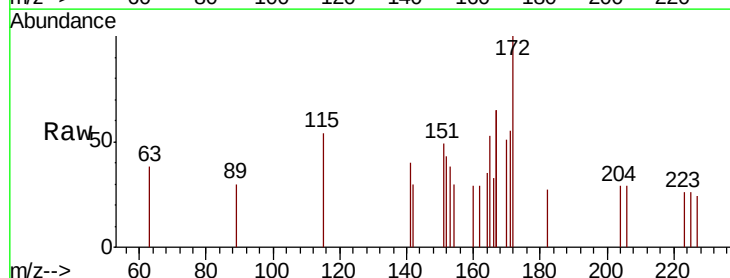


Abundance Ion 330.00 (329.70 to 330.70): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

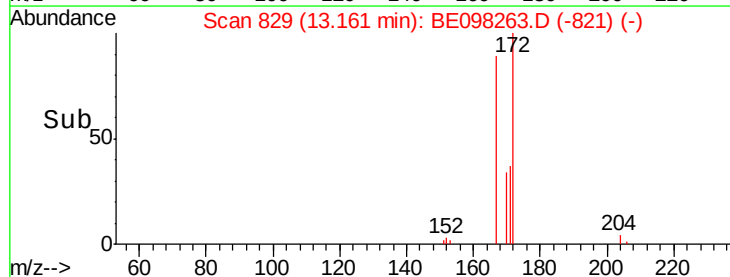
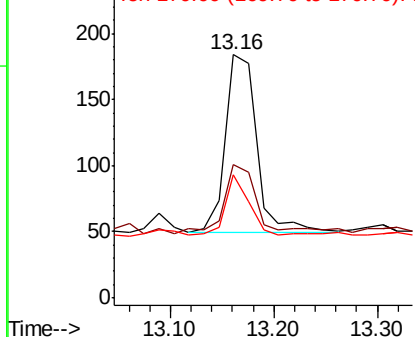


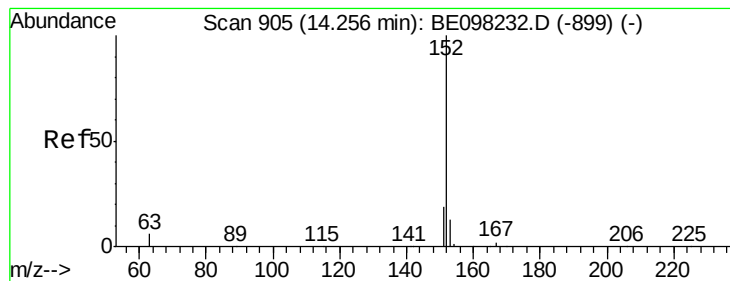
#15
 2-Fluorobiphenyl
 Concen: 0.014 ng
 RT: 13.16 min Scan# 829
 Delta R.T. 0.01 min
 Lab File: BE098263.D
 Acq: 21 Nov 2018 15:48

Tgt Ion: 172 Resp: 287
 Ion Ratio Lower Upper
 172 100
 171 54.9 27.3 40.9#
 170 50.5 19.4 29.0#



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: 0.301 ng

RT: 14.27 min Scan# 906

Delta R.T. 0.01 min

Lab File: BE098263.D

Acq: 21 Nov 2018 15:48

Instrument :

BNA_E

ClientSampleId :

AOC8-01R-ADL

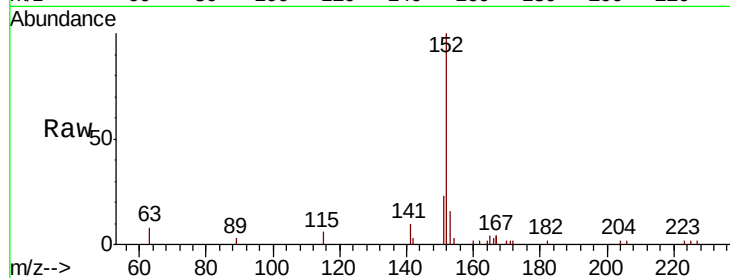
Tgt Ion:152 Resp: 6528

Ion Ratio Lower Upper

152 100

151 21.7 16.4 24.6

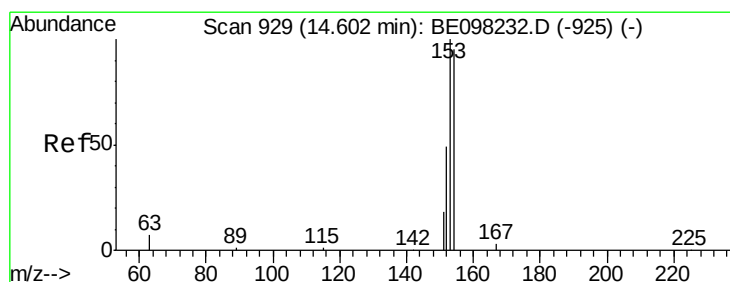
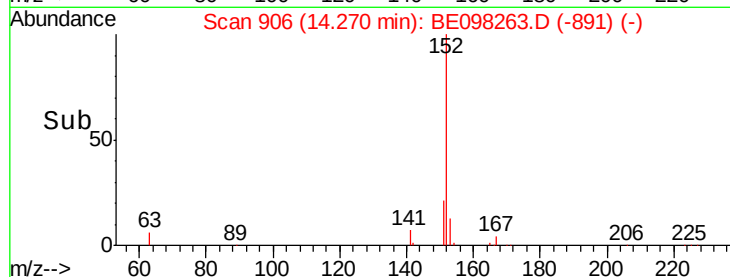
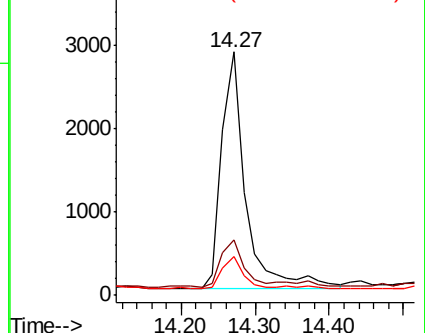
153 12.5 10.6 15.8



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: 0.062 ng

RT: 14.60 min Scan# 929

Delta R.T. 0.00 min

Lab File: BE098263.D

Acq: 21 Nov 2018 15:48

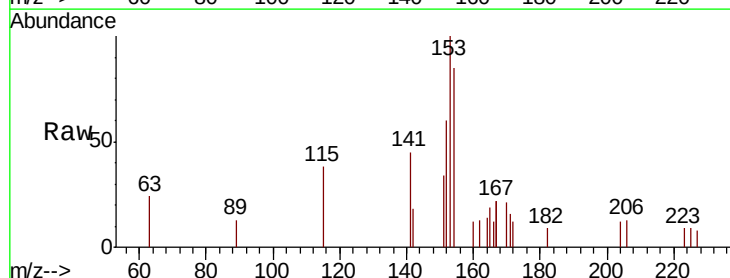
Tgt Ion:154 Resp: 798

Ion Ratio Lower Upper

154 100

153 122.8 92.1 138.1

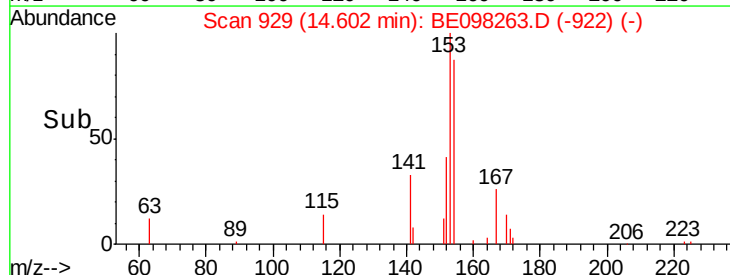
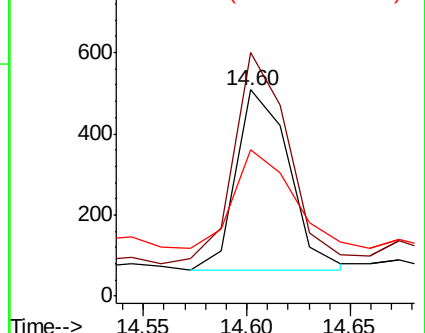
152 59.6 46.2 69.2

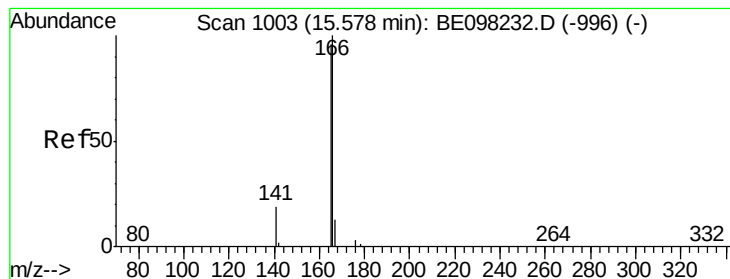


Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E





#18

Fluorene

Concen: 0.130 ng

RT: 15.59 min Scan# 1004

Delta R.T. 0.01 min

Lab File: BE098263.D

Acq: 21 Nov 2018 15:48

Instrument :

BNA_E

ClientSampleId :

AOC8-01R-ADL

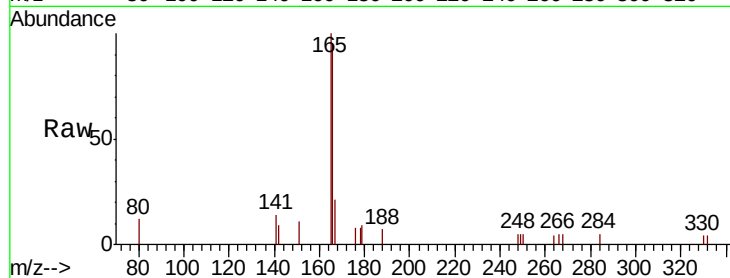
Tgt Ion:166 Resp: 2143

Ion Ratio Lower Upper

166 100

165 92.3 80.1 120.1

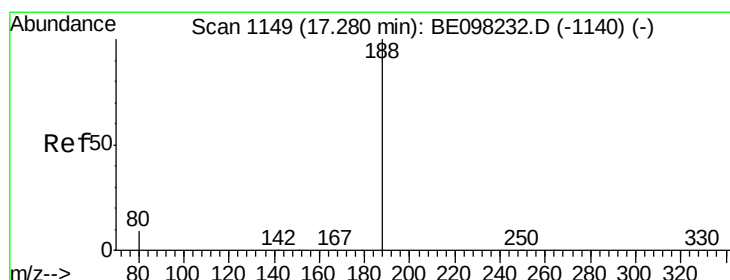
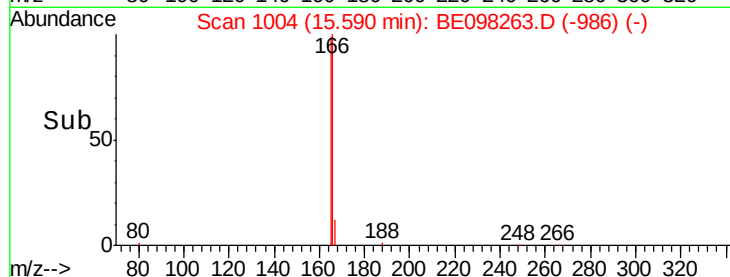
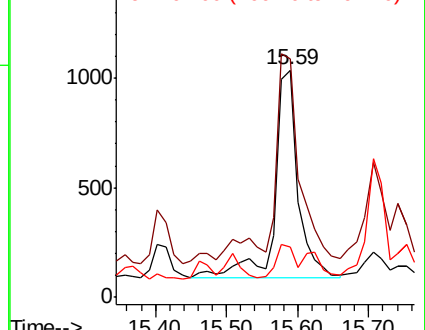
167 12.7 10.8 16.2



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: BE098263.D

Acq: 21 Nov 2018 15:48

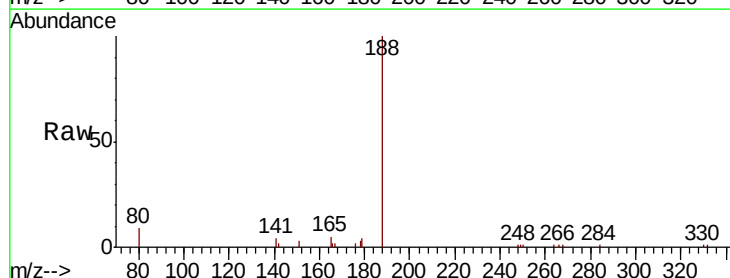
Tgt Ion:188 Resp: 9881

Ion Ratio Lower Upper

188 100

94 0.0 0.0 0.0

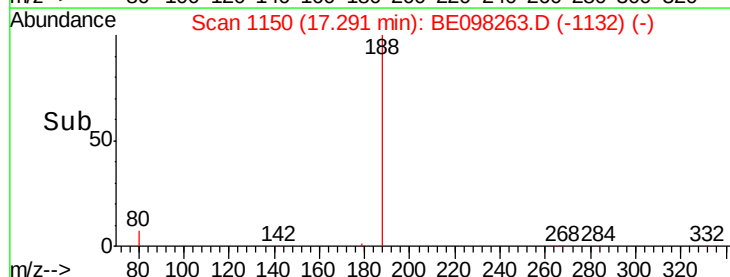
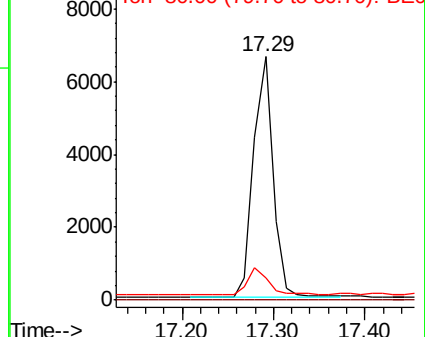
80 9.3 6.7 10.1

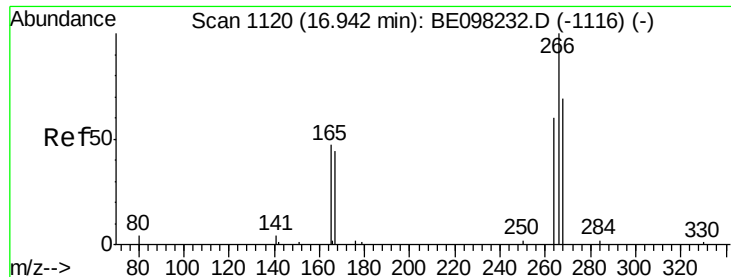


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BE0

Ion 80.00 (79.70 to 80.70): BE0





#22

Pentachlorophenol

Concen: 0.122 ng

RT: 16.95 min Scan# 1121

Delta R.T. 0.01 min

Lab File: BE098263.D

Acq: 21 Nov 2018 15:48

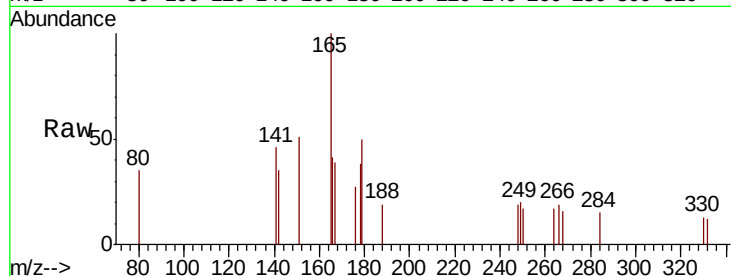
Instrument :

BNA_E

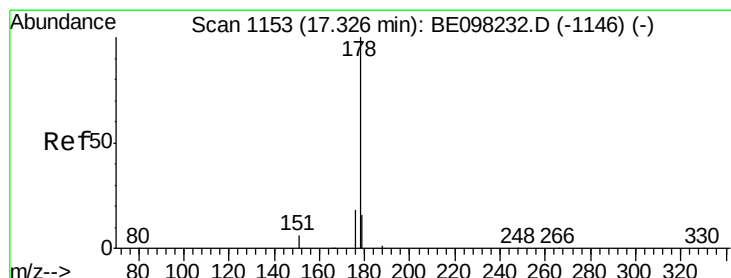
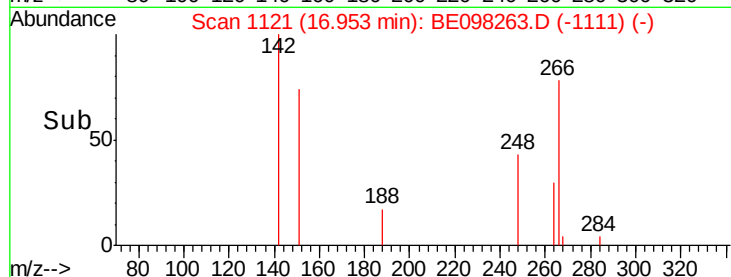
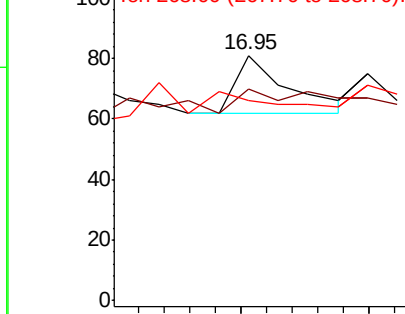
ClientSampleId :

AOC8-01R-ADL

Tgt Ion:	266	Resp:	27
Ion	Ratio	Lower	Upper
266	100		
264	86.4	57.6	86.4#
268	81.5	56.8	85.2



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: 0.680 ng

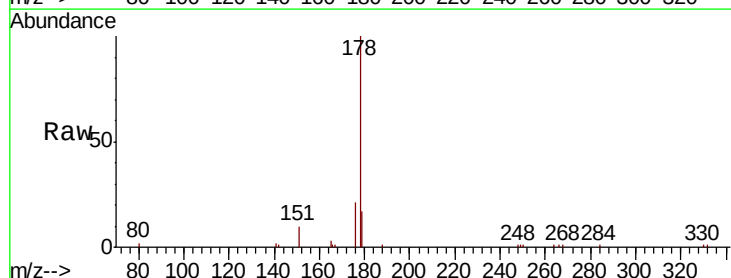
RT: 17.33 min Scan# 1153

Delta R.T. -0.00 min

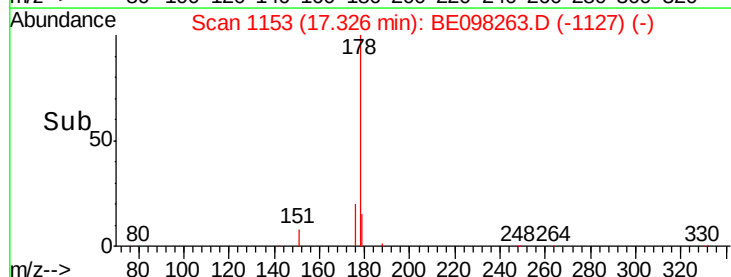
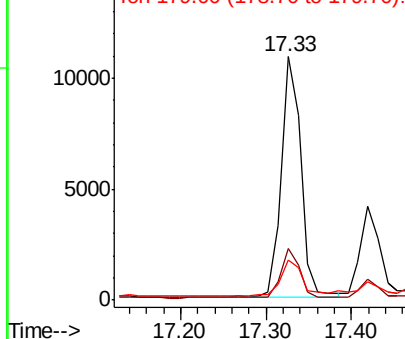
Lab File: BE098263.D

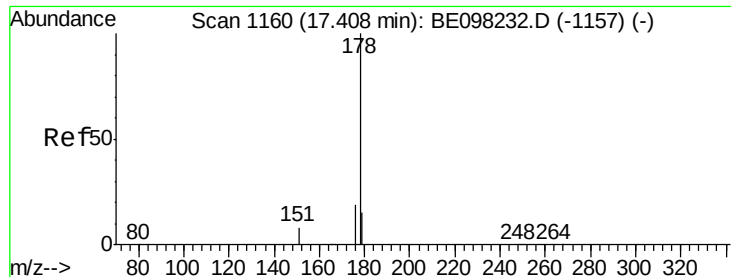
Acq: 21 Nov 2018 15:48

Tgt Ion:	178	Resp:	17281
Ion	Ratio	Lower	Upper
178	100		
176	19.2	15.8	23.8
179	17.3	12.3	18.5



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





#24

Anthracene

Concen: 0.262 ng

RT: 17.42 min Scan# 1161

Delta R.T. 0.01 min

Lab File: BE098263.D

Acq: 21 Nov 2018 15:48

Instrument :

BNA_E

ClientSampleId :

AOC8-01R-ADL

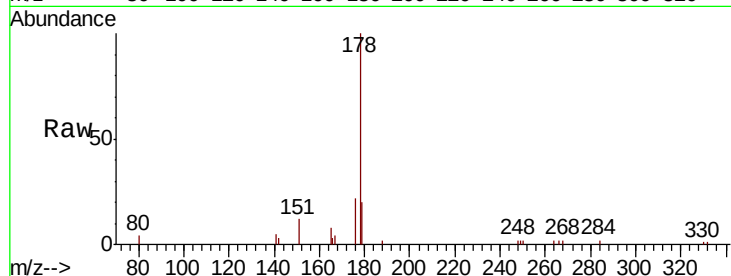
Tgt Ion:178 Resp: 6041

Ion Ratio Lower Upper

178 100

176 18.7 15.7 23.5

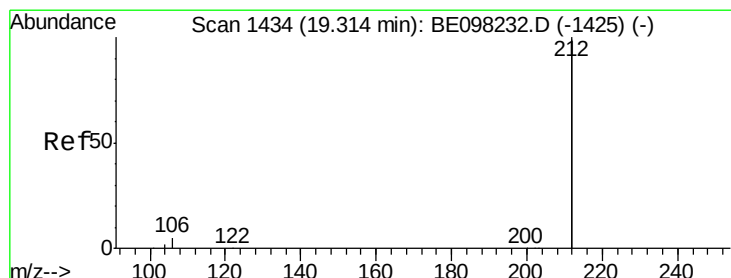
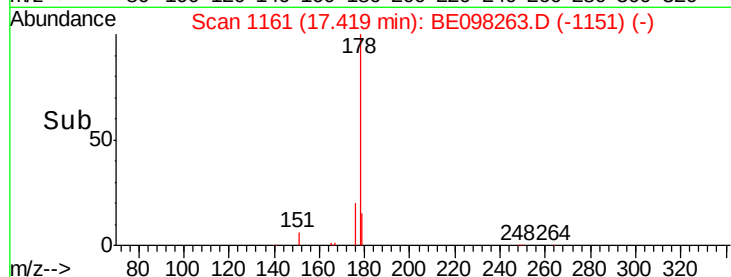
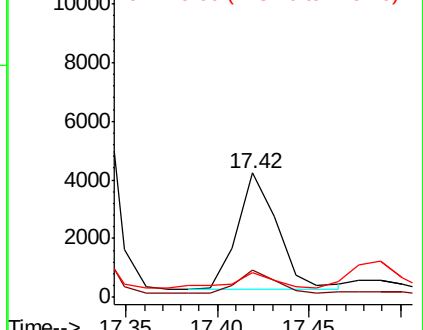
179 14.3 12.1 18.1



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: 0.015 ng

RT: 19.32 min Scan# 1435

Delta R.T. 0.01 min

Lab File: BE098263.D

Acq: 21 Nov 2018 15:48

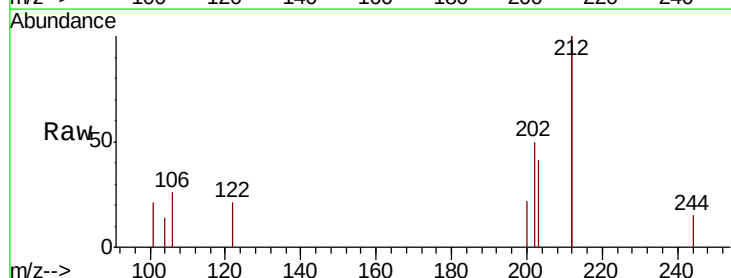
Tgt Ion:212 Resp: 1813

Ion Ratio Lower Upper

212 100

106 4.6 1.8 2.8#

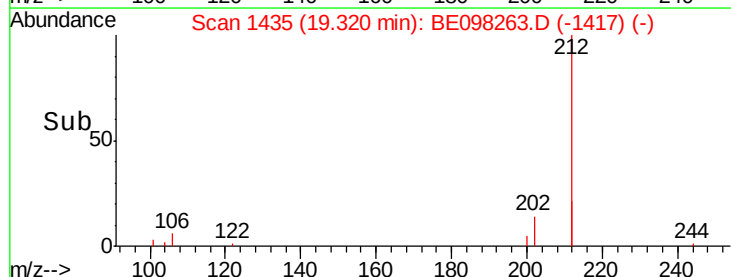
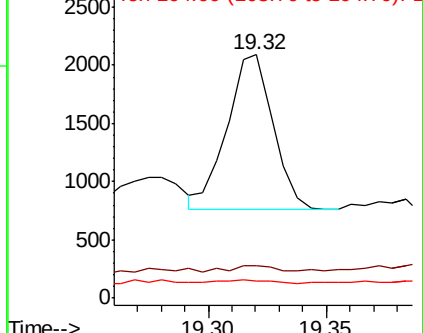
104 2.2 1.1 1.7#

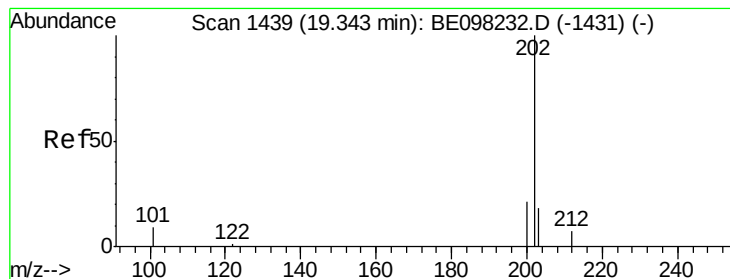


Abundance Ion 212.00 (211.70 to 212.70): E

Ion 106.00 (105.70 to 106.70): E

Ion 104.00 (103.70 to 104.70): E





#26

Fluoranthene

Concen: 1.749 ng

RT: 19.35 min Scan# 1440

Delta R.T. 0.01 min

Lab File: BE098263.D

Acq: 21 Nov 2018 15:48

Instrument :

BNA_E

ClientSampleId :

AOC8-01R-ADL

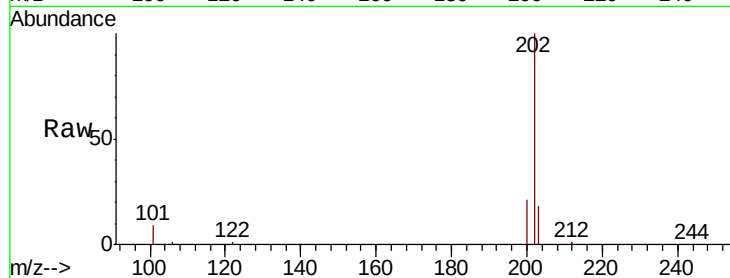
Tgt Ion:202 Resp: 53349

Ion Ratio Lower Upper

202 100

101 9.4 7.0 10.6

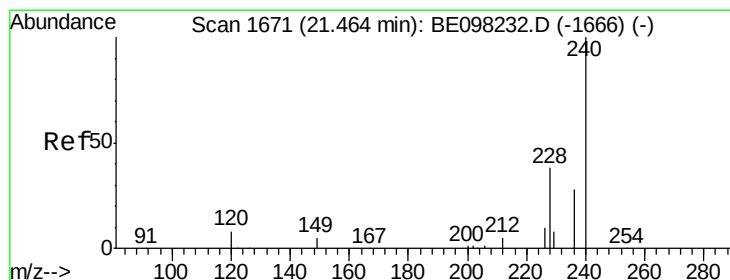
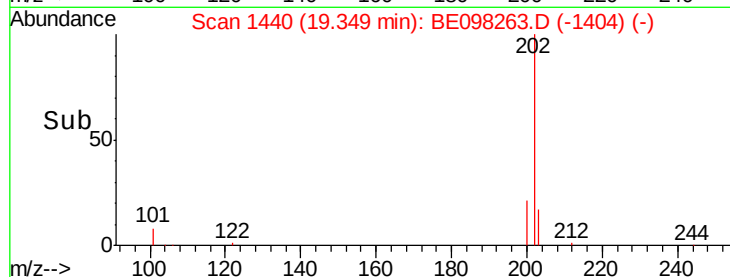
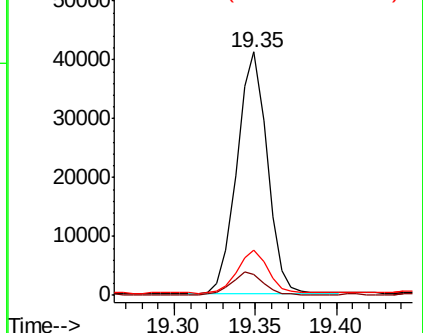
203 17.7 13.7 20.5



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: BE098263.D

Acq: 21 Nov 2018 15:48

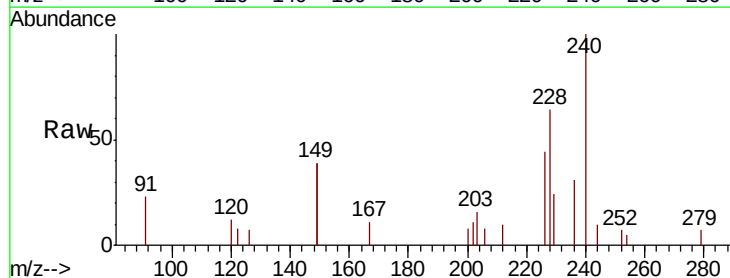
Tgt Ion:240 Resp: 11632

Ion Ratio Lower Upper

240 100

120 12.2 4.8 7.2#

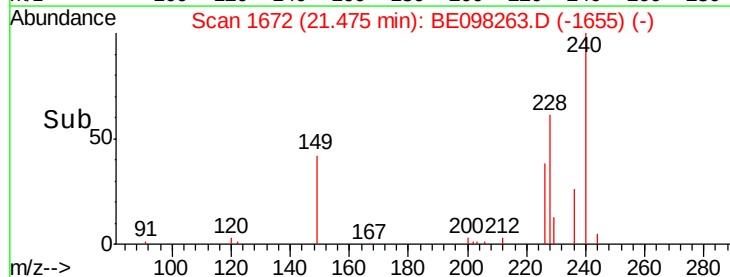
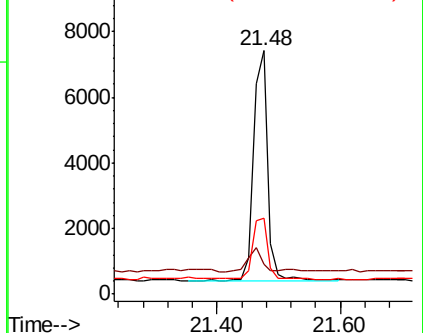
236 31.1 21.4 32.0

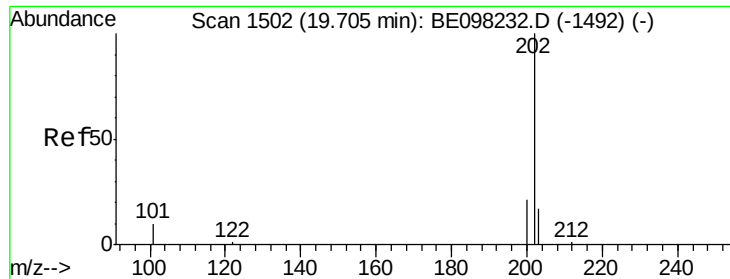


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

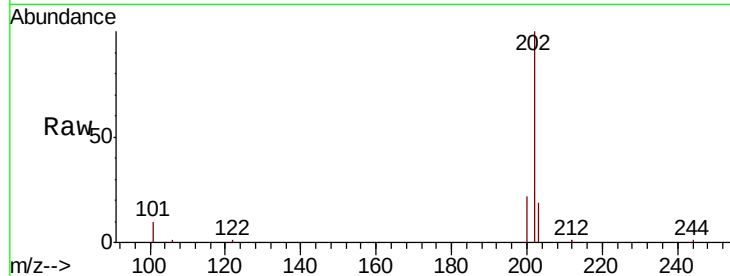




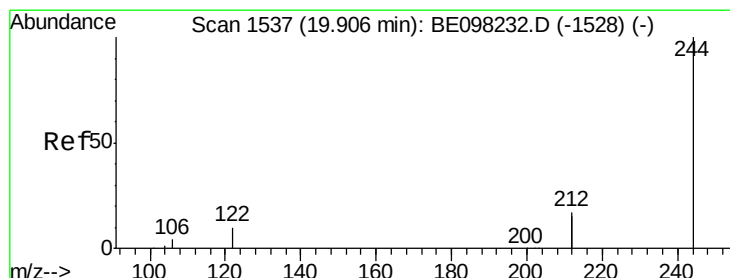
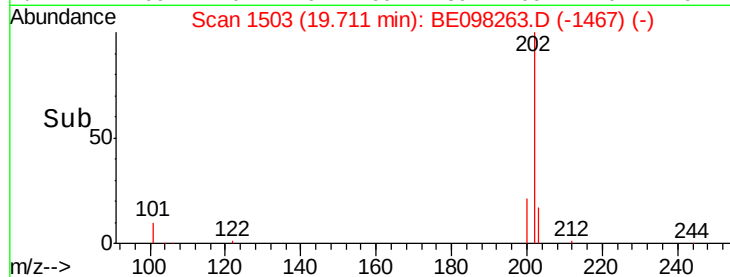
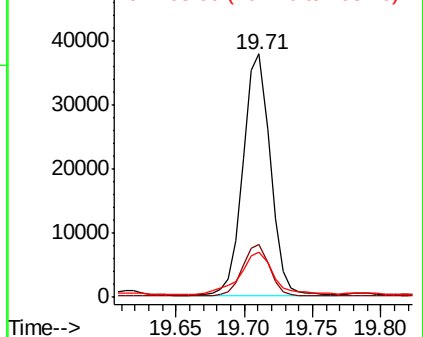
#28
 Pyrene
 Concen: 1.524 ng
 RT: 19.71 min Scan# 1503
 Delta R.T. 0.01 min
 Lab File: BE098263.D
 Acq: 21 Nov 2018 15:48

Instrument :
 BNA_E
 ClientSampleId :
 AOC8-01R-ADL

Tgt Ion: 202 Resp: 51825
 Ion Ratio Lower Upper
 202 100
 200 21.5 17.2 25.8
 203 20.8 14.2 21.4

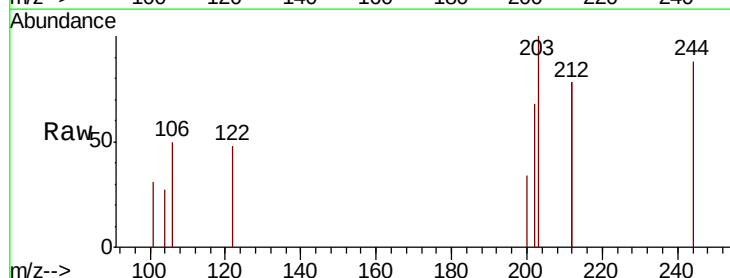


Abundance Ion 202.00 (201.70 to 202.70): E
 Ion 200.00 (199.70 to 200.70): E
 Ion 203.00 (202.70 to 203.70): E

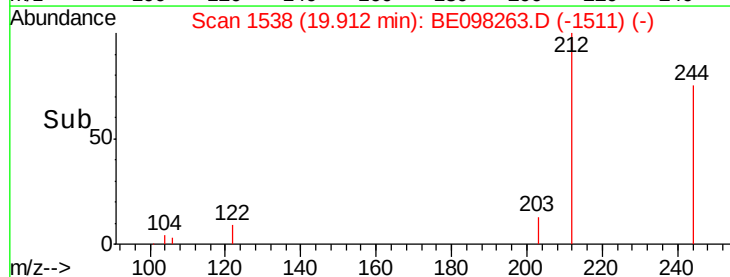
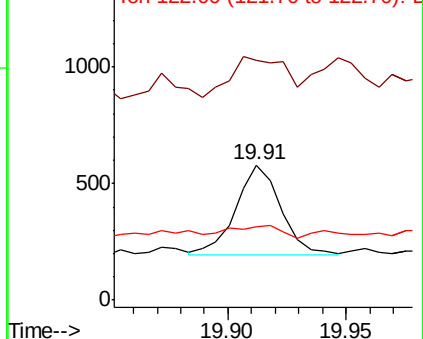


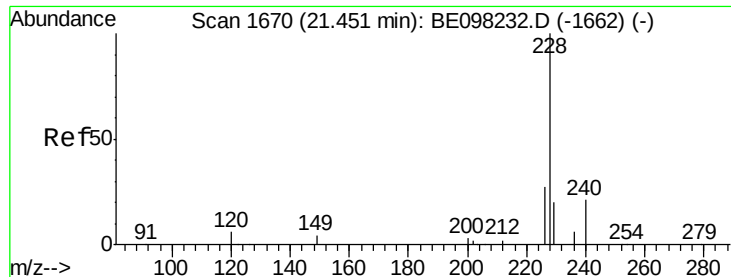
#29
 Terphenyl-d14
 Concen: 0.019 ng
 RT: 19.91 min Scan# 1538
 Delta R.T. 0.01 min
 Lab File: BE098263.D
 Acq: 21 Nov 2018 15:48

Tgt Ion: 244 Resp: 506
 Ion Ratio Lower Upper
 244 100
 212 177.5 26.8 40.2#
 122 54.6 7.0 10.6#



Abundance Ion 244.00 (243.70 to 244.70): E
 Ion 212.00 (211.70 to 212.70): E
 Ion 122.00 (121.70 to 122.70): E





#30

Benzo(a)anthracene

Concen: 1.081 ng

RT: 21.45 min Scan# 1670

Delta R.T. -0.00 min

Lab File: BE098263.D

Acq: 21 Nov 2018 15:48

Instrument :

BNA_E

ClientSampleId :

AOC8-01R-ADL

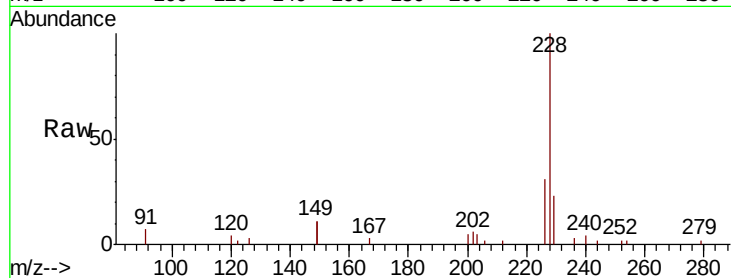
Tgt Ion:228 Resp: 36369

Ion Ratio Lower Upper

228 100

226 30.8 20.7 31.1

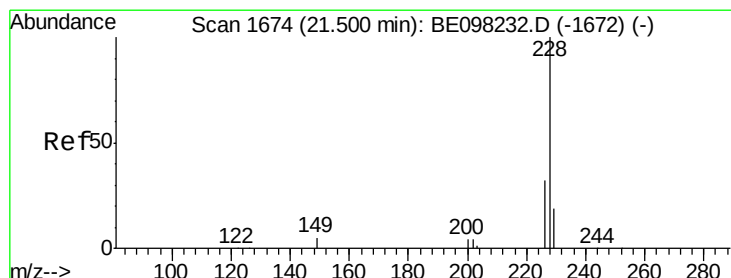
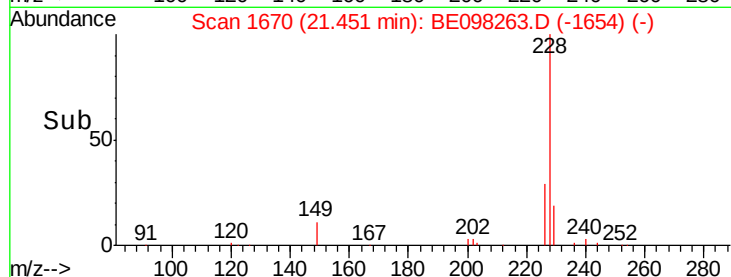
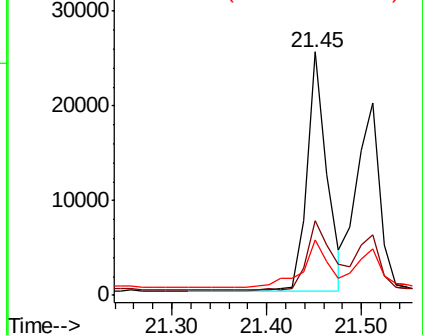
229 22.7 16.2 24.4



Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#31

Chrysene

Concen: 0.609 ng

RT: 21.45 min Scan# 1670

Delta R.T. -0.05 min

Lab File: BE098263.D

Acq: 21 Nov 2018 15:48

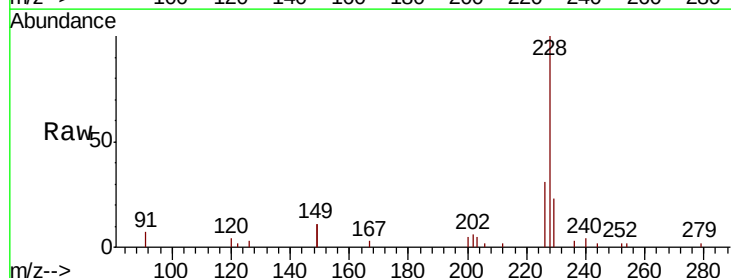
Tgt Ion:228 Resp: 21087

Ion Ratio Lower Upper

228 100

226 30.8 24.6 36.8

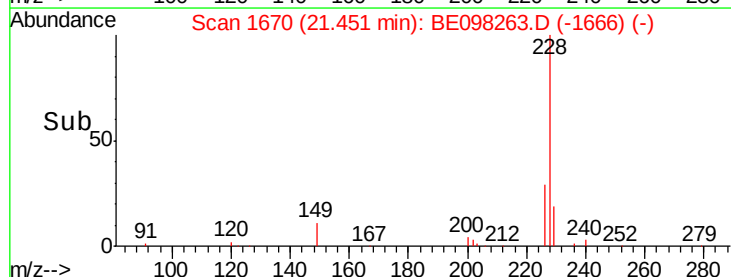
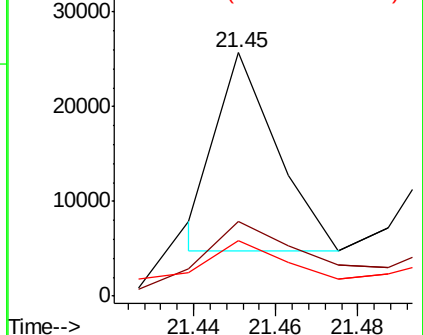
229 22.7 16.0 24.0

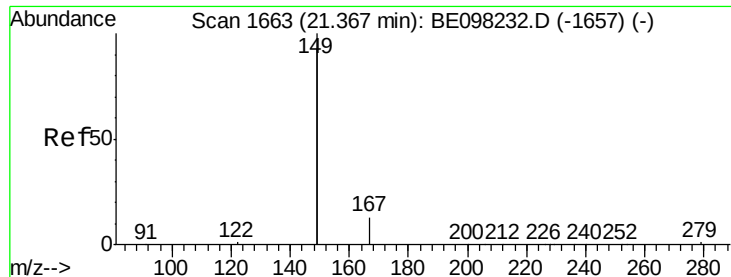


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#32

Bis(2-ethylhexyl)phthalate

Concen: 0.088 ng

RT: 21.38 min Scan# 1664

Delta R.T. 0.01 min

Lab File: BE098263.D

Acq: 21 Nov 2018 15:48

Instrument :

BNA_E

ClientSampleId :

AOC8-01R-ADL

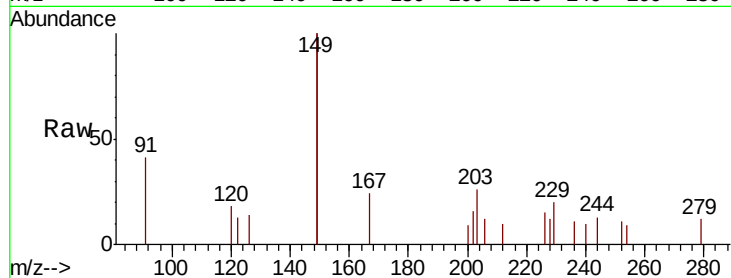
Tgt Ion:149 Resp: 4632

Ion Ratio Lower Upper

149 100

167 9.7 5.6 8.4#

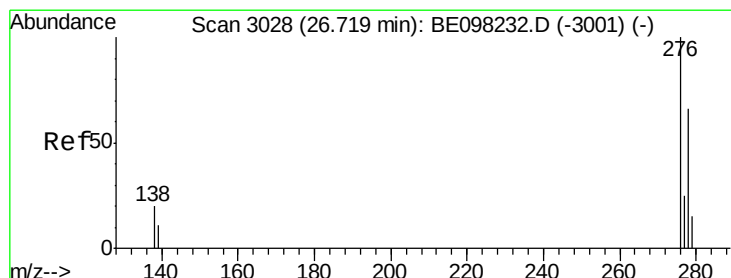
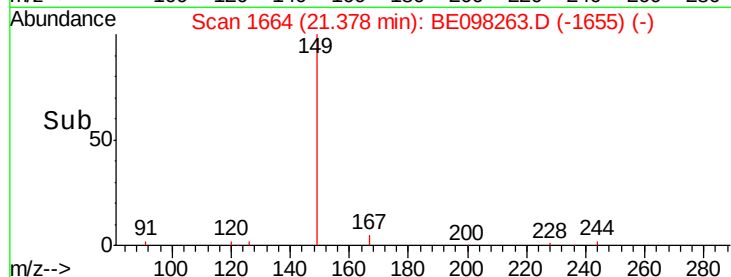
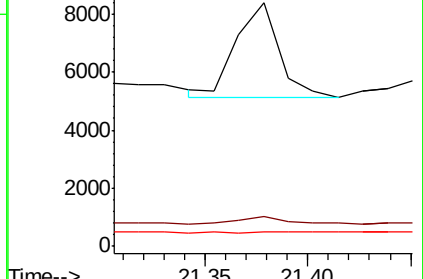
279 3.5 0.9 1.3#



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: 0.742 ng

RT: 26.72 min Scan# 3028

Delta R.T. 0.00 min

Lab File: BE098263.D

Acq: 21 Nov 2018 15:48

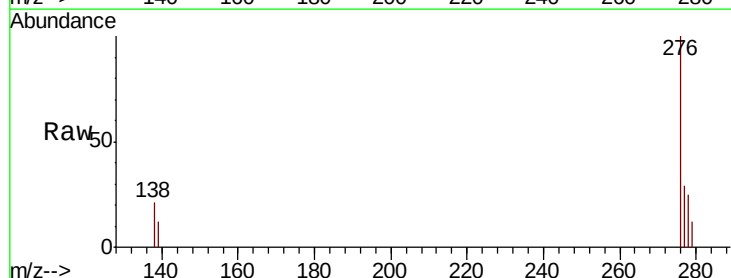
Tgt Ion:276 Resp: 21989

Ion Ratio Lower Upper

276 100

138 15.7 6.4 9.6#

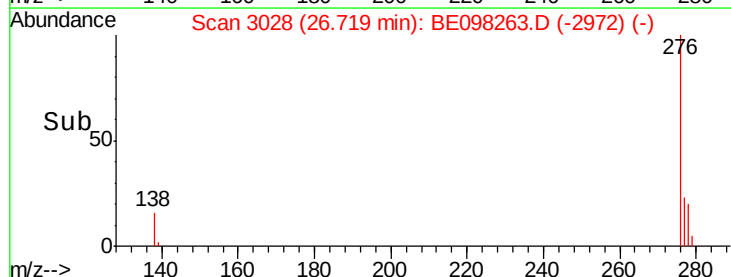
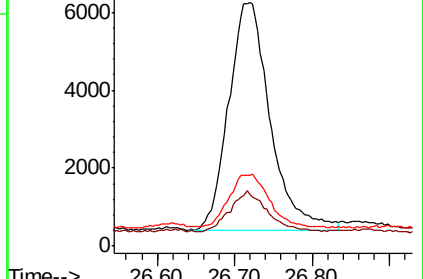
277 22.0 18.9 28.3

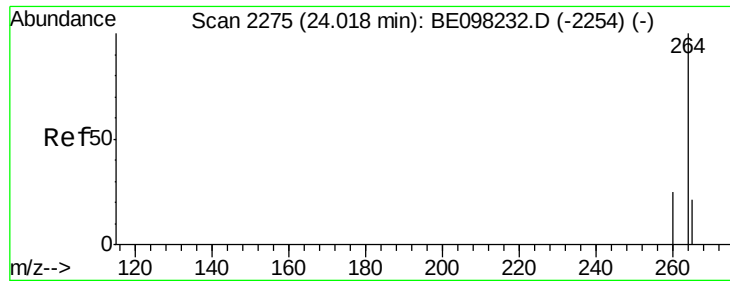


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E

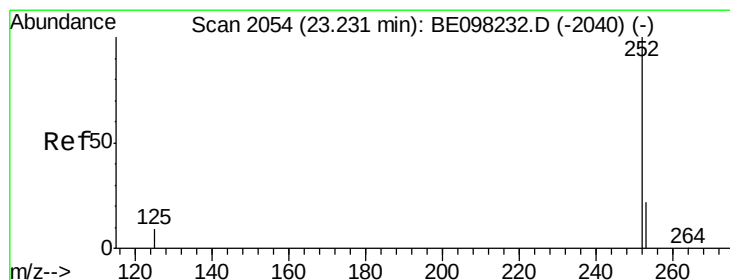
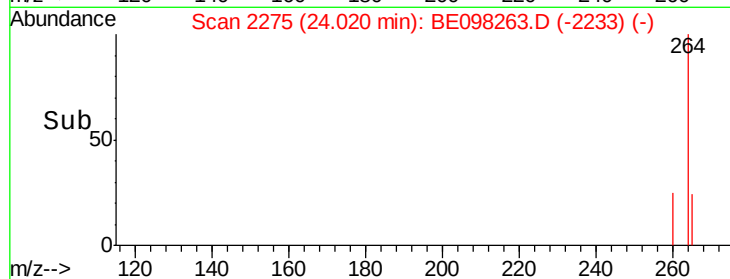
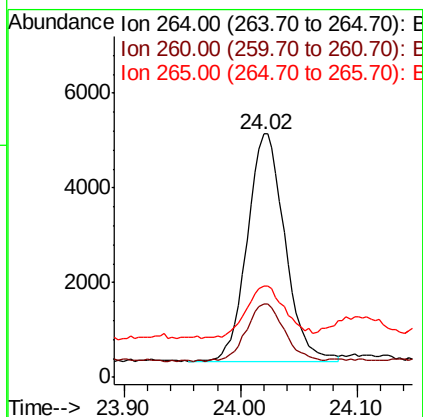
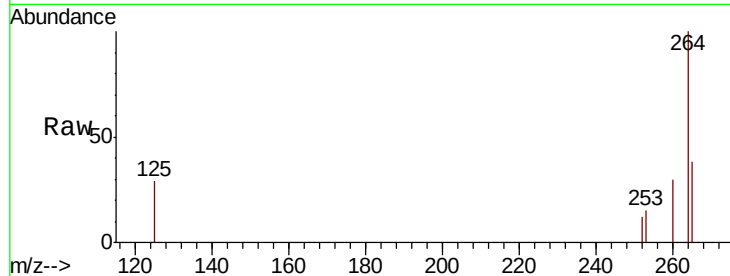




#34
Perylene-d12
 Concen: 0.400 ng
 RT: 24.02 min Scan# 2275
 Delta R.T. 0.00 min
 Lab File: BE098263.D
 Acq: 21 Nov 2018 15:48

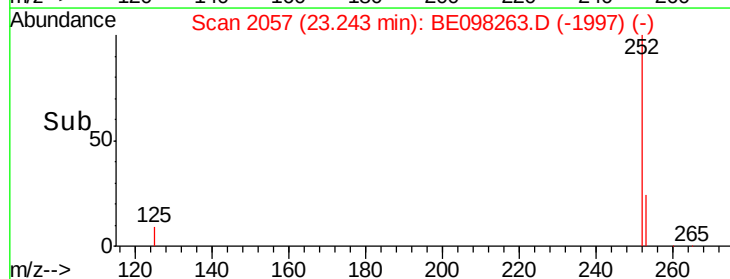
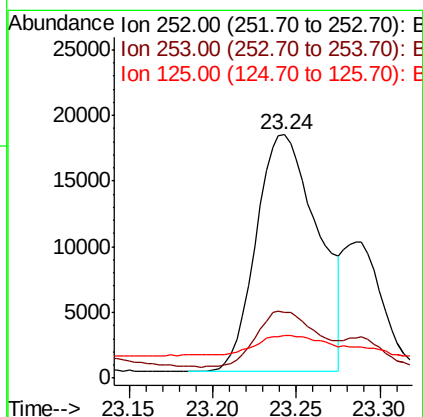
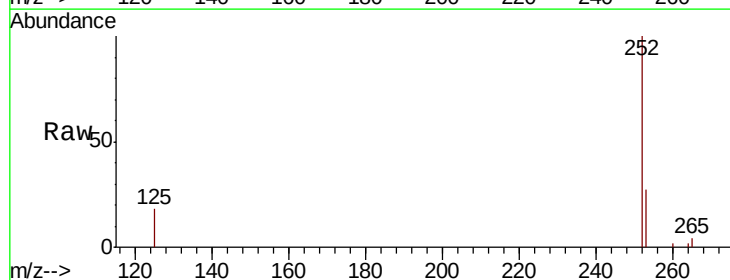
Instrument :
 BNA_E
 ClientSampleId :
 AOC8-01R-ADL

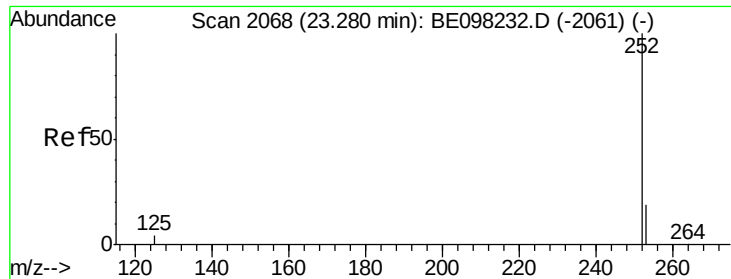
Tgt Ion: 264 Resp: 10830
 Ion Ratio Lower Upper
 264 100
 260 29.9 19.9 29.9#
 265 37.7 21.3 31.9#



#35
Benzo(b)fluoranthene
 Concen: 1.515 ng
 RT: 23.24 min Scan# 2057
 Delta R.T. 0.01 min
 Lab File: BE098263.D
 Acq: 21 Nov 2018 15:48

Tgt Ion: 252 Resp: 46344
 Ion Ratio Lower Upper
 252 100
 253 27.1 19.4 29.0
 125 17.8 8.6 12.8#





#36

Benzo(k)fluoranthene

Concen: 1.342 ng

RT: 23.24 min Scan# 2057

Delta R.T. -0.04 min

Lab File: BE098263.D

Acq: 21 Nov 2018 15:48

Instrument :

BNA_E

ClientSampleId :

AOC8-01R-ADL

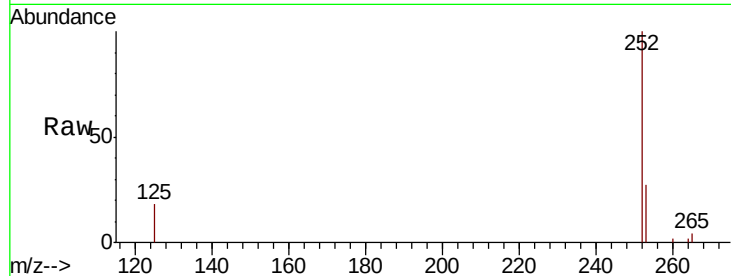
Tgt Ion:252 Resp: 46344

Ion Ratio Lower Upper

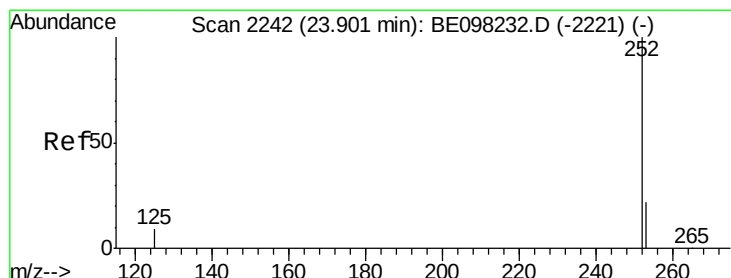
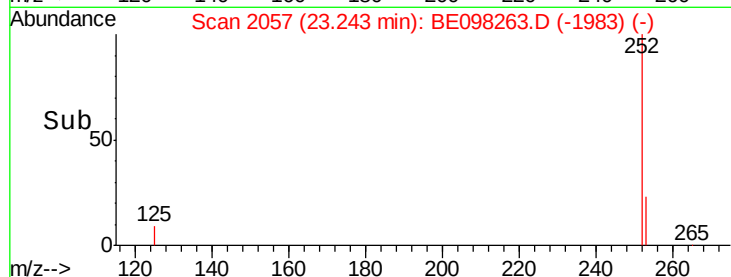
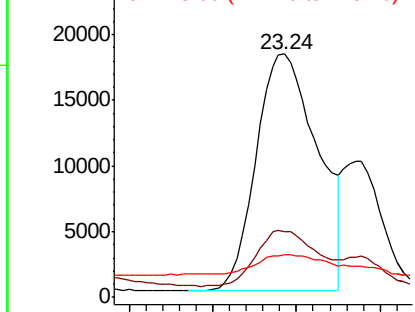
252 100

253 27.1 18.6 28.0

125 17.8 7.4 11.0#



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



#37

Benzo(a)pyrene

Concen: 1.113 ng

RT: 23.91 min Scan# 2243

Delta R.T. 0.01 min

Lab File: BE098263.D

Acq: 21 Nov 2018 15:48

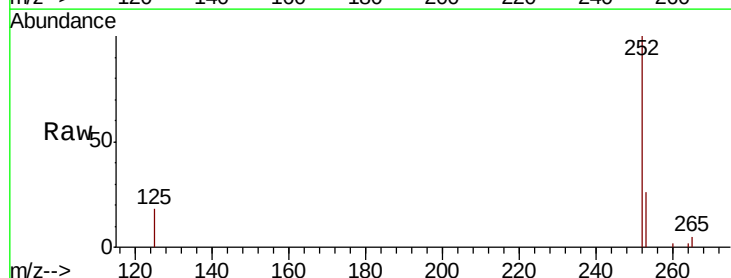
Tgt Ion:252 Resp: 33429

Ion Ratio Lower Upper

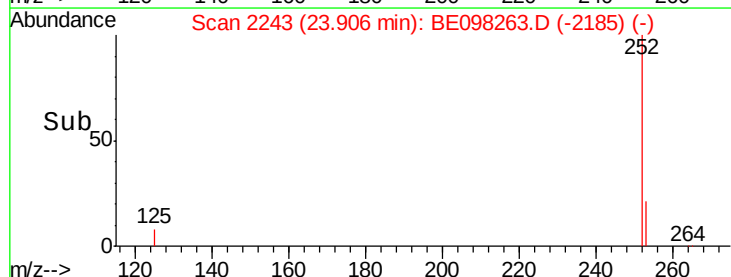
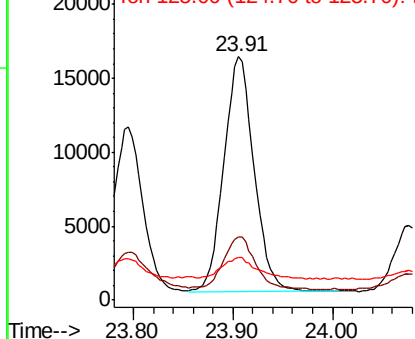
252 100

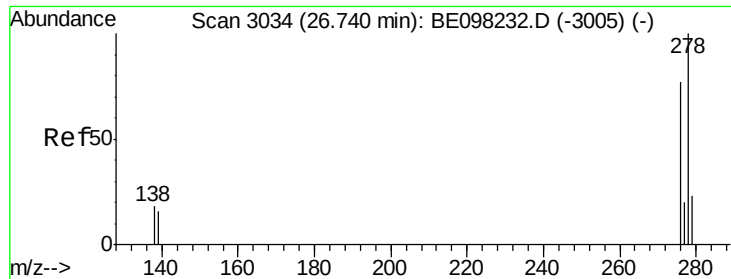
253 26.1 18.6 27.8

125 17.6 8.0 12.0#



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: 0.228 ng

RT: 26.73 min Scan# 3032

Delta R.T. -0.01 min

Lab File: BE098263.D

Acq: 21 Nov 2018 15:48

Instrument :

BNA_E

ClientSampleId :

AOC8-01R-ADL

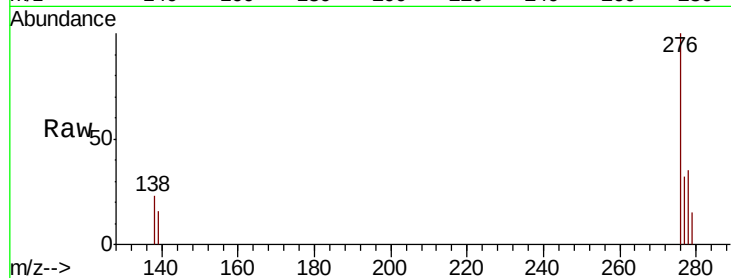
Tgt Ion:278 Resp: 5498

Ion Ratio Lower Upper

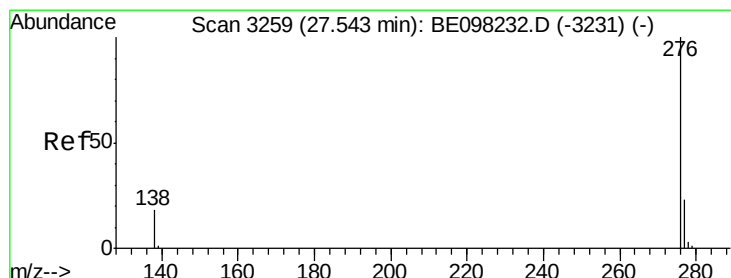
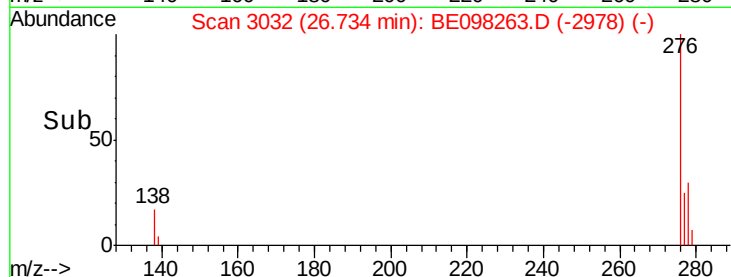
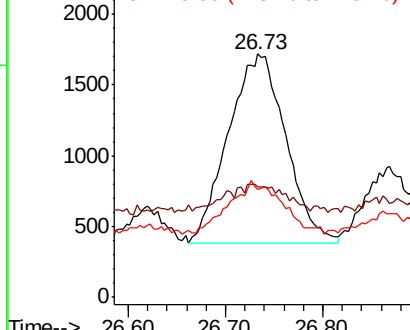
278 100

139 45.2 16.4 24.6#

279 44.4 21.3 31.9#



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(g,h,i)perylene

Concen: 0.750 ng

RT: 27.55 min Scan# 3261

Delta R.T. 0.01 min

Lab File: BE098263.D

Acq: 21 Nov 2018 15:48

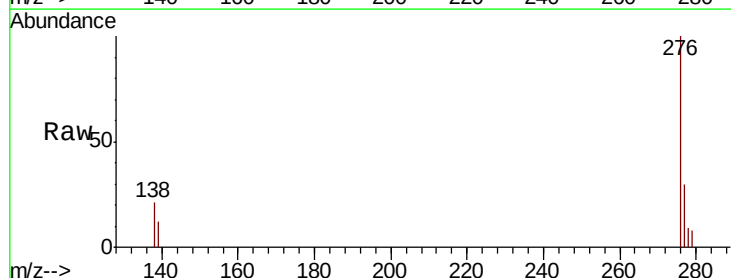
Tgt Ion:276 Resp: 19447

Ion Ratio Lower Upper

276 100

277 30.3 20.4 30.6

138 21.3 13.2 19.8#



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

