

Data Path : Z:\SVOASRV\HPCHEM1\BNA_E\DATA\BE121418\
 Data File : BE098457.D
 Acq On : 15 Dec 2018 5:34
 Operator : SJ/JU
 Sample : J6358-04
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 BP-TT-AOC22-MW04-20181210

Quant Time: Dec 16 00:51:10 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_E\METHODS\8270-SIM-BE121018.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Dec 10 14:59:55 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.85	152	1021	0.40	ng	-0.01
7) Naphthalene-d8	10.65	136	4144	0.40	ng	-0.01
13) Acenaphthene-d10	14.51	164	2685	0.40	ng	-0.01
19) Phenanthrene-d10	17.27	188	6620	0.40	ng	-0.01
27) Chrysene-d12	21.45	240	8234	0.40	ng	-0.01
34) Perylene-d12	24.00	264	8022	0.40	ng	-0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Fluorophenol	5.45	112	634	0.27	ng	0.00
5) Phenol-d6	7.04	99	501	0.15	ng	-0.01
8) Nitrobenzene-d5	9.03	82	1550	0.41	ng	0.01
11) 2-Methylnaphthalene-d10	12.25	152	2858	0.42	ng	-0.01
14) 2,4,6-Tribromophenol	16.01	330	805	0.82	ng	-0.01
15) 2-Fluorobiphenyl	13.15	172	6240	0.55	ng	0.00
25) Fluoranthene-d10	19.30	212	39772	0.47	ng	-0.01
29) Terphenyl-d14	19.90	244	9235	0.46	ng	-0.01

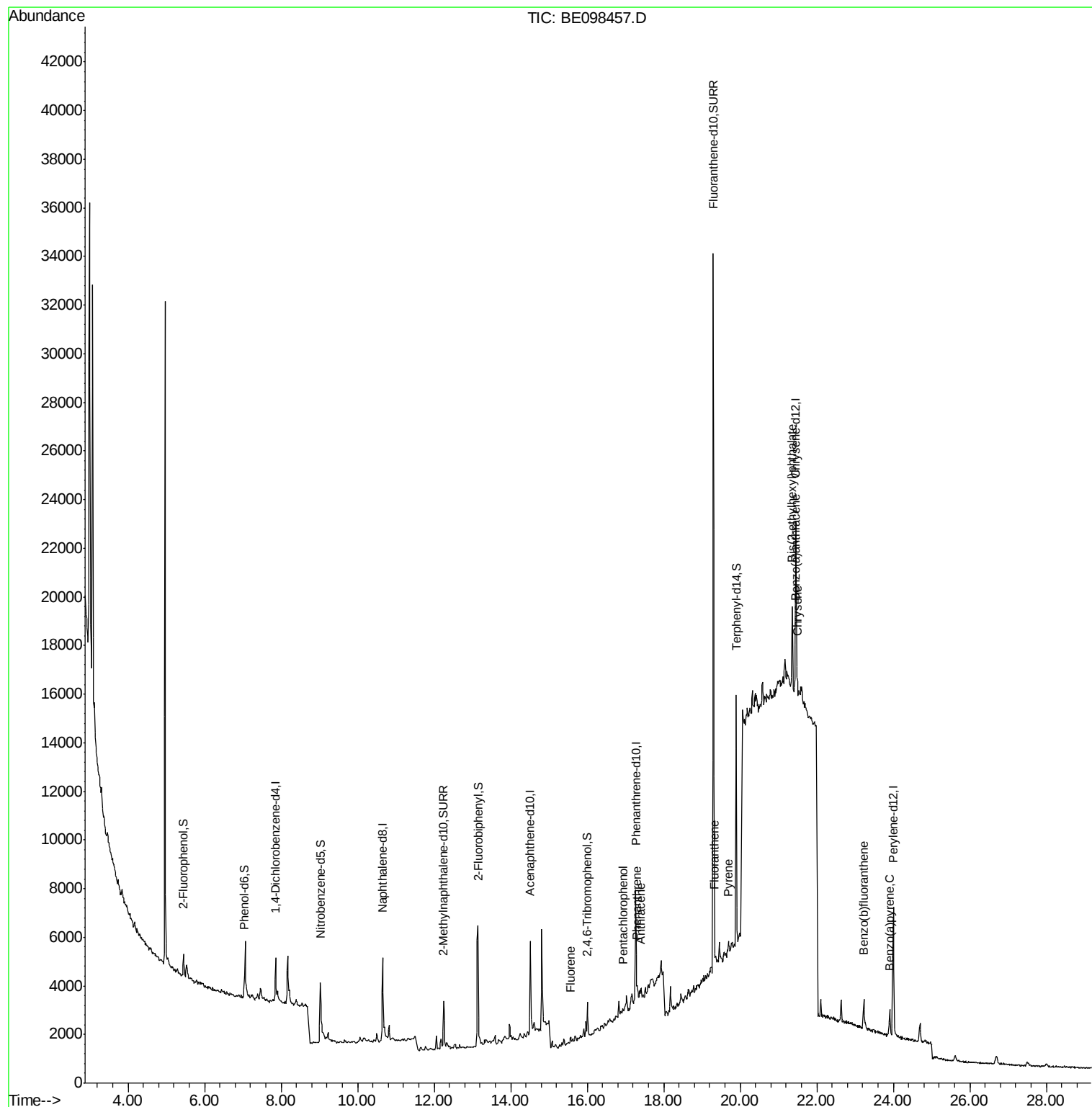
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
18) Fluorene	15.57	166	271	0.027	ng	# 2
22) Pentachlorophenol	16.93	266	99	0.181	ng	# 85
23) Phenanthrene	17.30	178	485	0.030	ng	# 6
24) Anthracene	17.40	178	374	0.026	ng	# 46
26) Fluoranthene	19.33	202	518	0.024	ng	# 87
28) Pyrene	19.69	202	628	0.024	ng	# 77
30) Benzo(a)anthracene	21.44	228	743	0.032	ng	# 1
31) Chrysene	21.50	228	611	0.025	ng	# 1
32) Bis(2-ethylhexyl)phthalate	21.35	149	5333	0.112	ng	# 94
35) Benzo(b)fluoranthene	23.22	252	618	0.028	ng	# 1
37) Benzo(a)pyrene	23.89	252	475	0.021	ng	# 1

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

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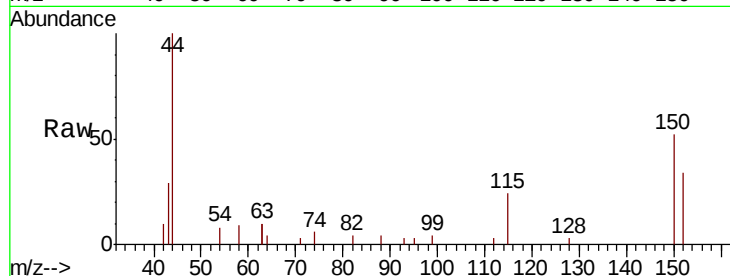


#1

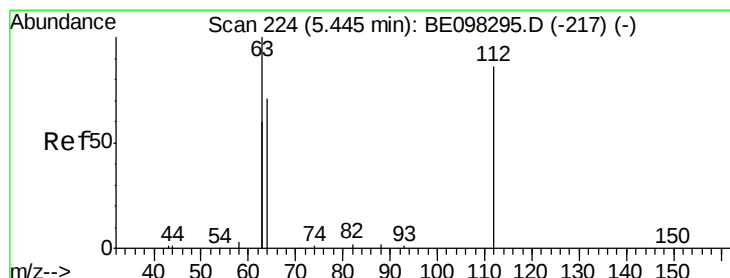
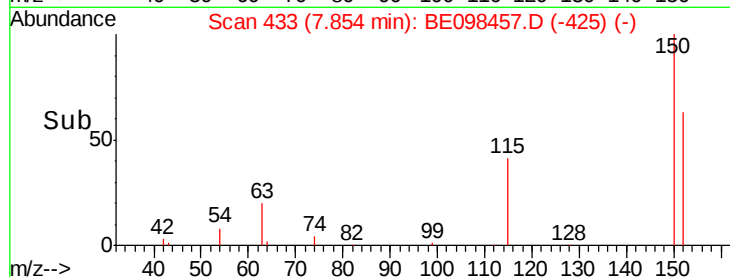
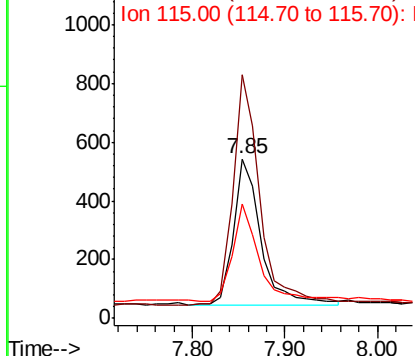
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.85 min Scan# 433
Delta R.T. -0.01 min
Lab File: BE098457.D
Acq: 15 Dec 2018 5:34

Instrument :
BNA_E
ClientSampleId :
BP-TT-AOC22-MW04-20181210

Tgt Ion	Ratio	Lower	Upper
152	100		
150	152.7	124.2	186.4
115	71.5	53.9	80.9



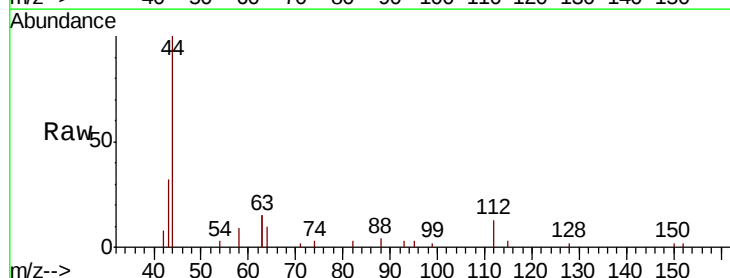
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



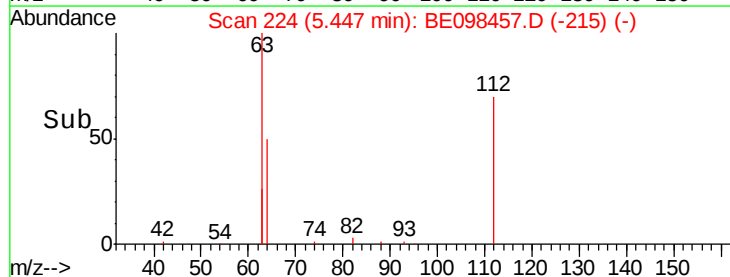
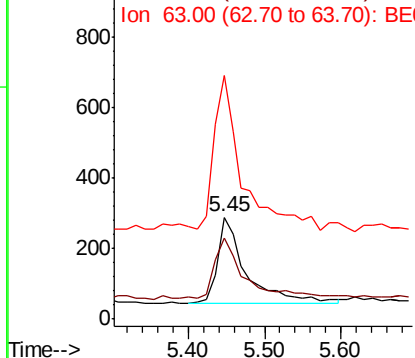
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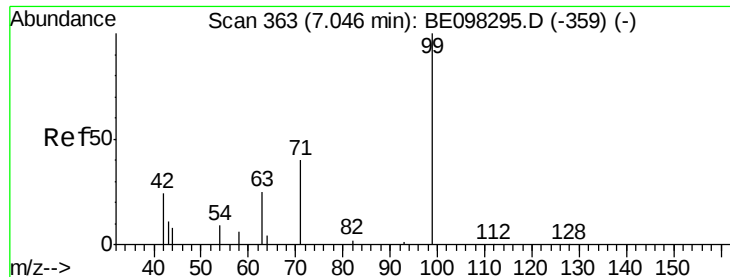
2-Fluorophenol
Concen: 0.265 ng
RT: 5.45 min Scan# 224
Delta R.T. 0.00 min
Lab File: BE098457.D
Acq: 15 Dec 2018 5:34

Tgt Ion	Ratio	Lower	Upper
112	100		
64	74.8	59.8	89.8
63	179.3	133.7	200.5



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: 0.148 ng

RT: 7.04 min Scan# 362

Delta R.T. -0.01 min

Lab File: BE098457.D

Acq: 15 Dec 2018 5:34

Instrument :

BNA_E

ClientSampleId :

BP-TT-AOC22-MW04-20181210

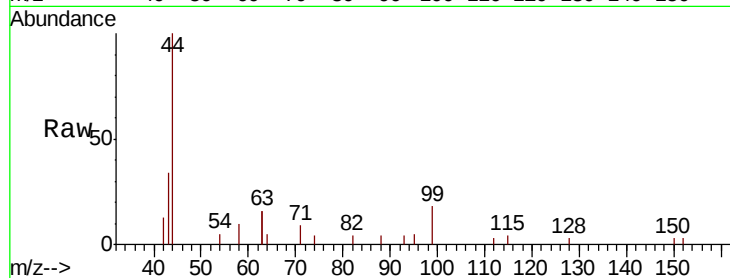
Tgt Ion: 99 Resp: 501

Ion Ratio Lower Upper

99 100

42 73.3 26.3 39.5#

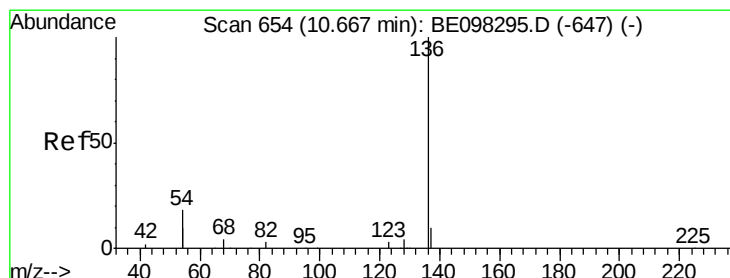
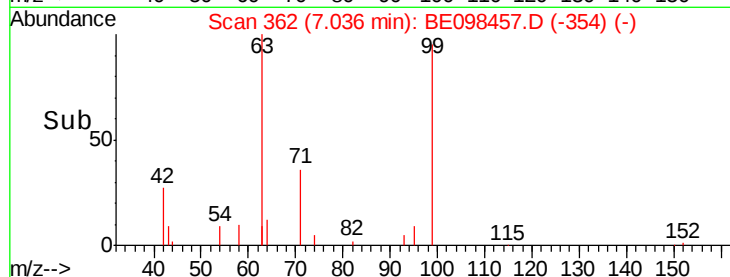
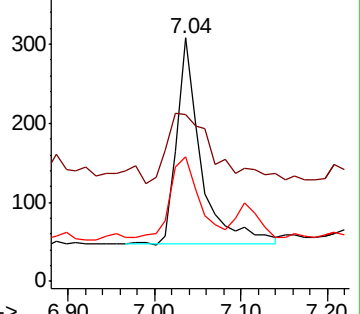
71 46.9 33.6 50.4



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: 10.65 min Scan# 653

Delta R.T. -0.01 min

Lab File: BE098457.D

Acq: 15 Dec 2018 5:34

Tgt Ion: 136 Resp: 4144

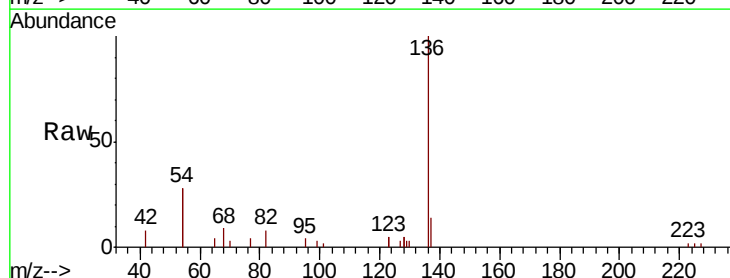
Ion Ratio Lower Upper

136 100

137 13.6 9.2 13.8

54 55.2 28.4 42.6#

68 9.2 5.4 8.0#

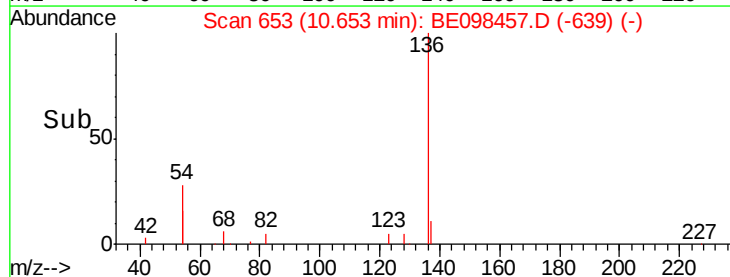
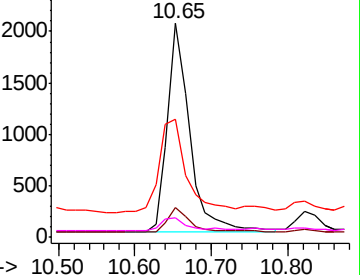


Abundance Ion 136.00 (135.70 to 136.70): E

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

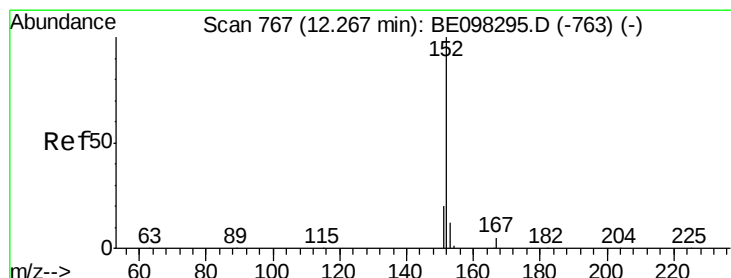
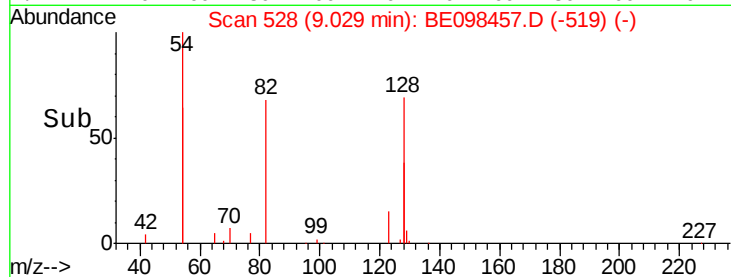
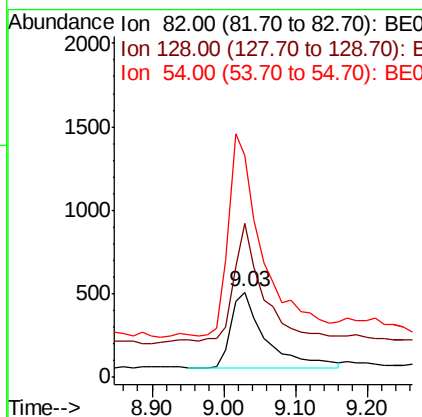
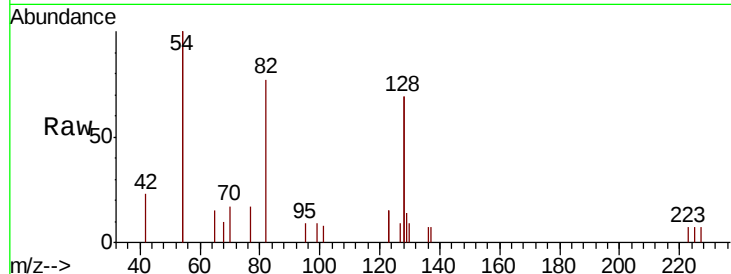




#8
 Nitrobenzene-d5
 Concen: 0.411 ng
 RT: 9.03 min Scan# 528
 Delta R.T. 0.01 min
 Lab File: BE098457.D
 Acq: 15 Dec 2018 5:34

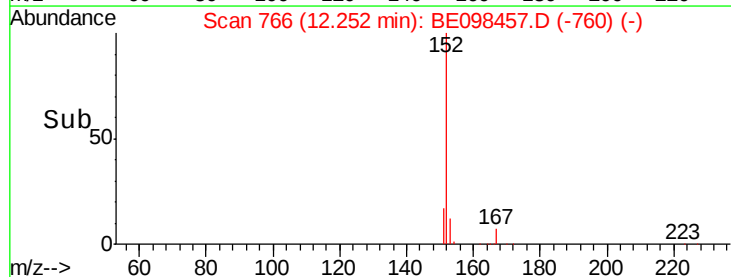
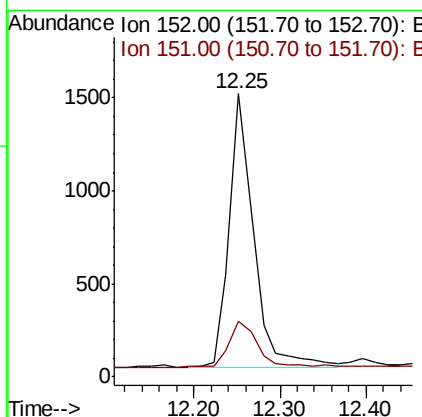
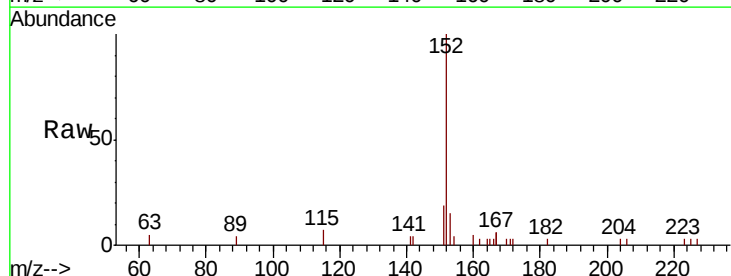
Instrument :
 BNA_E
 ClientSampleId :
 BP-TT-AOC22-MW04-20181210

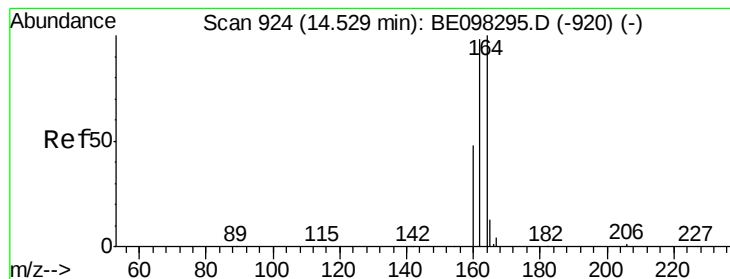
Tgt Ion	Ratio	Lower	Upper
82	100		
128	180.4	102.4	153.6
54	259.9	221.8	332.8



#11
 2-Methylnaphthalene-d10
 Concen: 0.424 ng
 RT: 12.25 min Scan# 766
 Delta R.T. -0.01 min
 Lab File: BE098457.D
 Acq: 15 Dec 2018 5:34

Tgt Ion	Ratio	Lower	Upper
152	100		
151	20.9	16.2	24.4





#13

Acenaphthene-d10

Concen: 0.400 ng

RT: 14.51 min Scan# 923

Delta R.T. -0.01 min

Lab File: BE098457.D

Acq: 15 Dec 2018 5:34

Instrument :

BNA_E

ClientSampleId :

BP-TT-AOC22-MW04-20181210

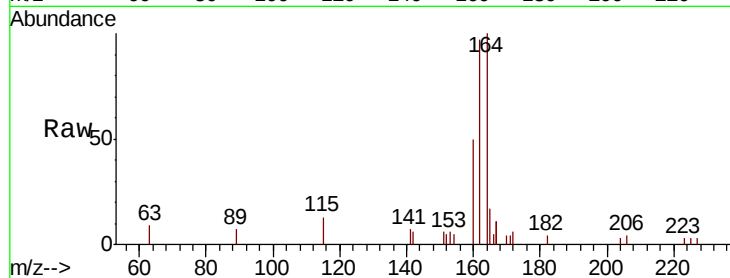
Tgt Ion:164 Resp: 2685

Ion Ratio Lower Upper

164 100

162 97.3 77.6 116.4

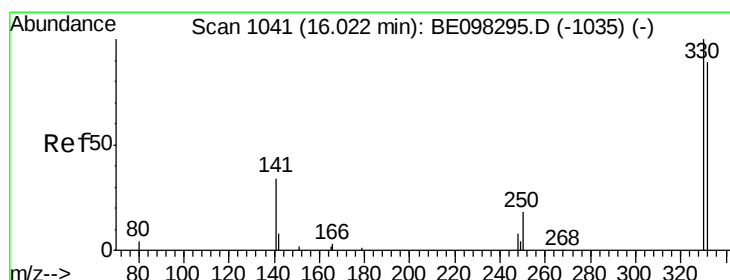
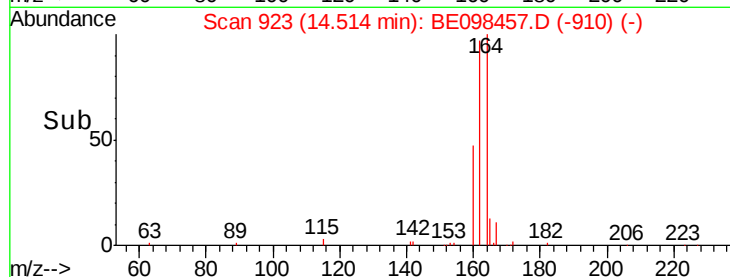
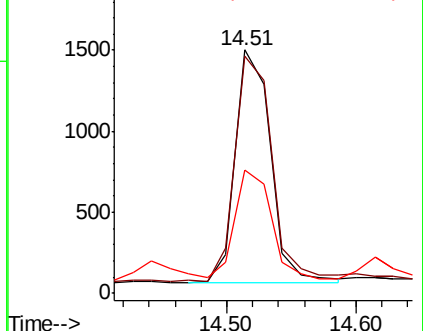
160 50.4 36.0 54.0



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: 0.817 ng

RT: 16.01 min Scan# 1040

Delta R.T. -0.01 min

Lab File: BE098457.D

Acq: 15 Dec 2018 5:34

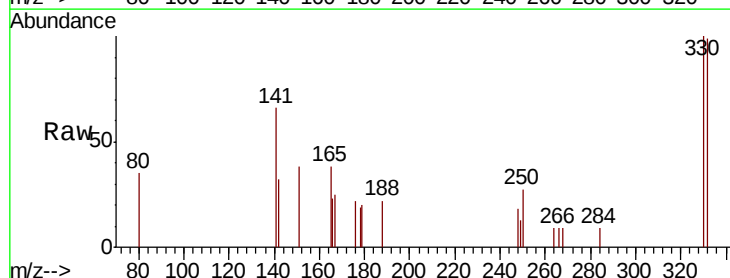
Tgt Ion:330 Resp: 805

Ion Ratio Lower Upper

330 100

332 99.3 76.2 114.4

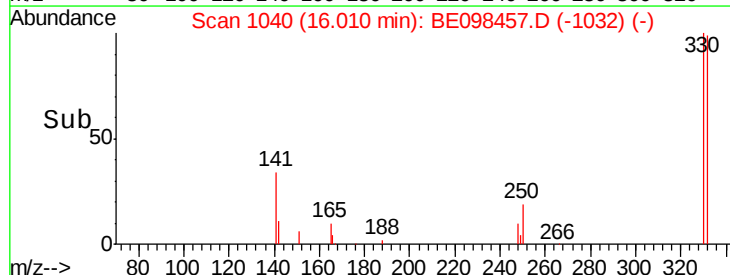
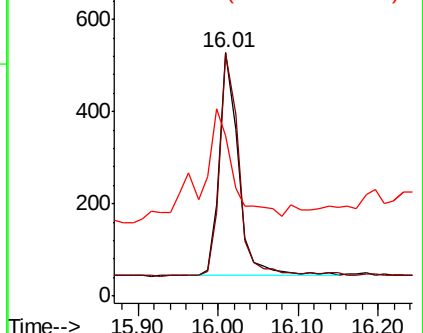
141 70.7 39.0 58.4#

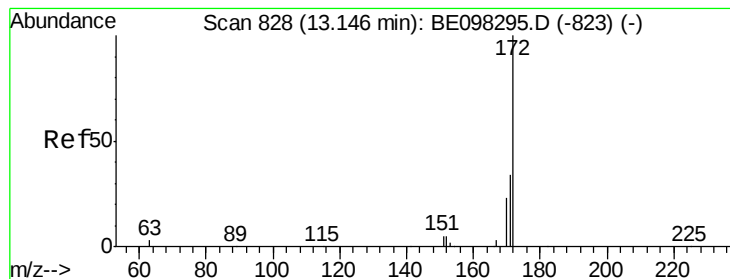


Abundance Ion 330.00 (329.70 to 330.70): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

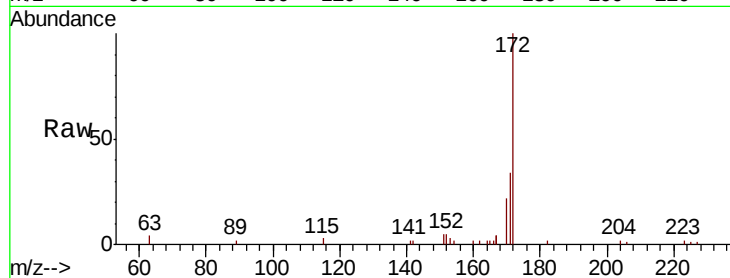




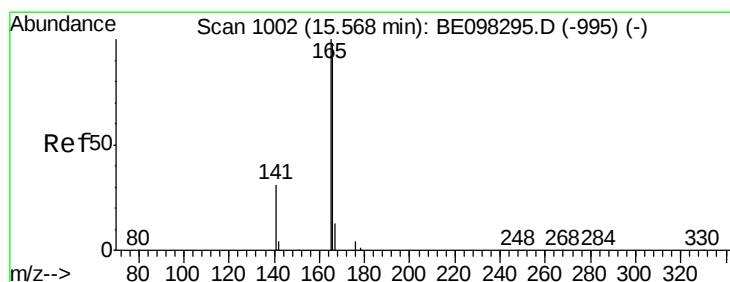
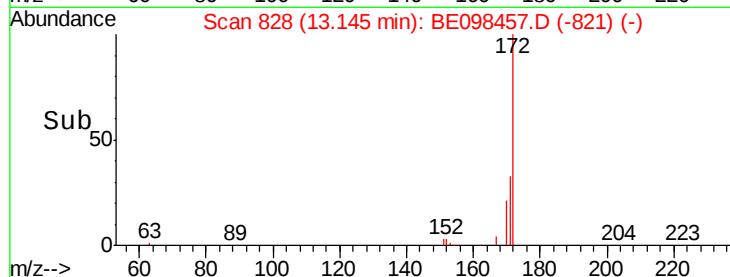
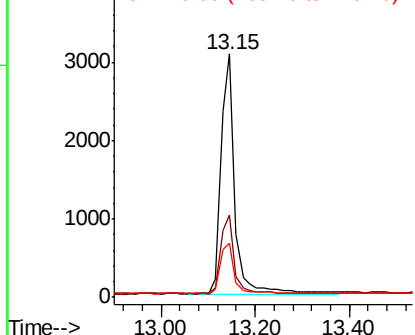
#15
2-Fluorobiphenyl
Concen: 0.551 ng
RT: 13.15 min Scan# 828
Delta R.T. -0.00 min
Lab File: BE098457.D
Acq: 15 Dec 2018 5:34

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Tgt Ion:172 Resp: 6240
Ion Ratio Lower Upper
172 100
171 34.0 27.5 41.3
170 22.1 19.6 29.4

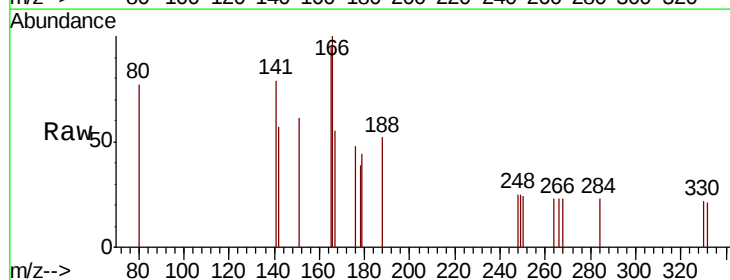


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

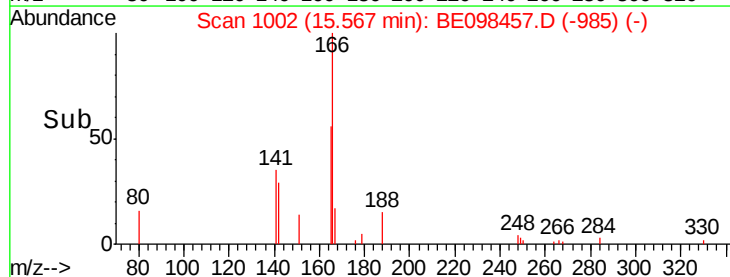
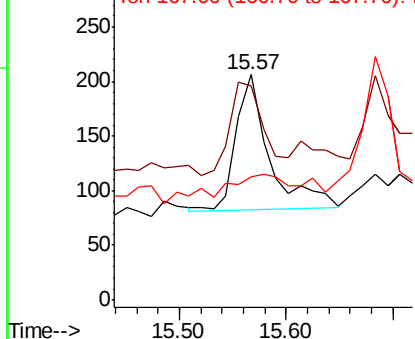


#18
Fluorene
Concen: 0.027 ng
RT: 15.57 min Scan# 1002
Delta R.T. -0.00 min
Lab File: BE098457.D
Acq: 15 Dec 2018 5:34

Tgt Ion:166 Resp: 271
Ion Ratio Lower Upper
166 100
165 0.0 79.3 118.9#
167 48.0 11.3 16.9#



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: 17.27 min Scan# 1148

Delta R.T. -0.01 min

Lab File: BE098457.D

Acq: 15 Dec 2018 5:34

Instrument :

BNA_E

ClientSampleId :

BP-TT-AOC22-MW04-20181210

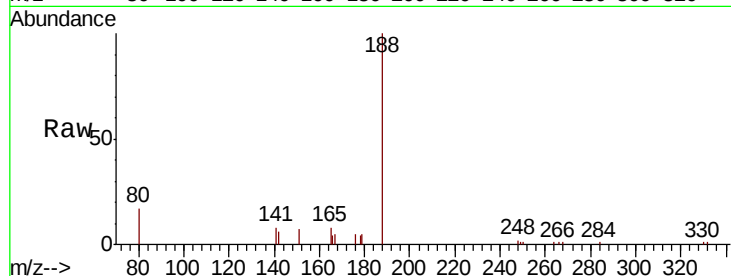
Tgt Ion:188 Resp: 6620

Ion Ratio Lower Upper

188 100

94 0.0 0.0 0.0

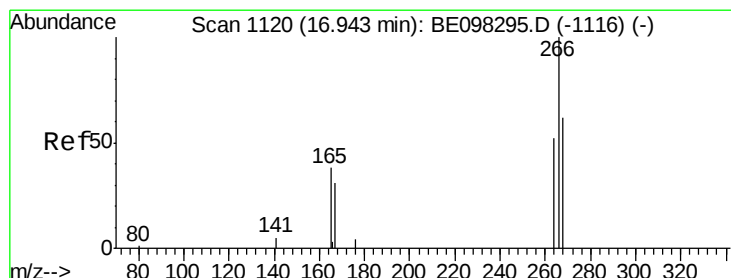
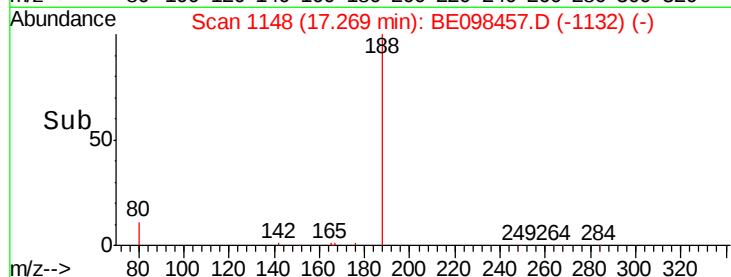
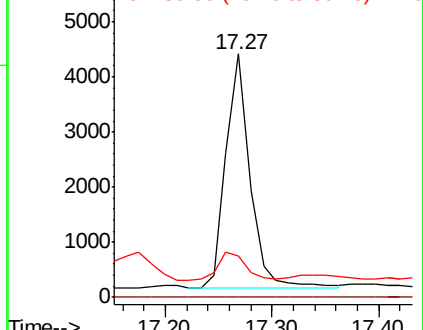
80 17.2 7.2 10.8#



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: 0.181 ng

RT: 16.93 min Scan# 1119

Delta R.T. -0.01 min

Lab File: BE098457.D

Acq: 15 Dec 2018 5:34

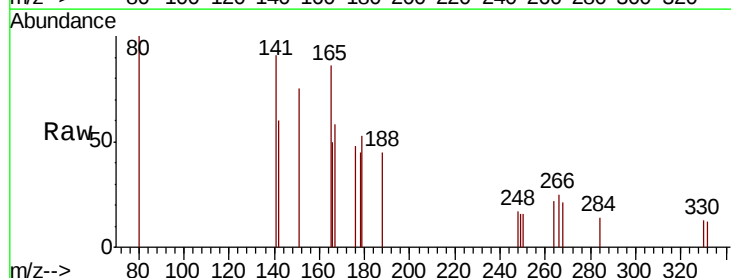
Tgt Ion:266 Resp: 99

Ion Ratio Lower Upper

266 100

264 84.4 59.0 88.4

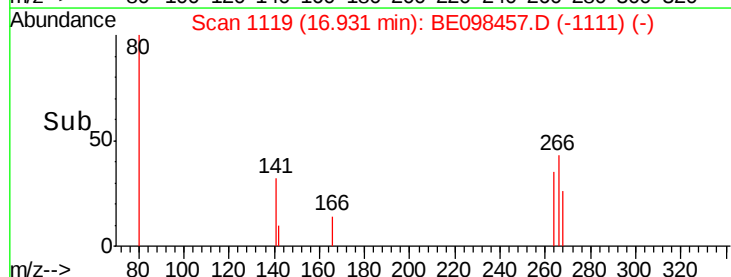
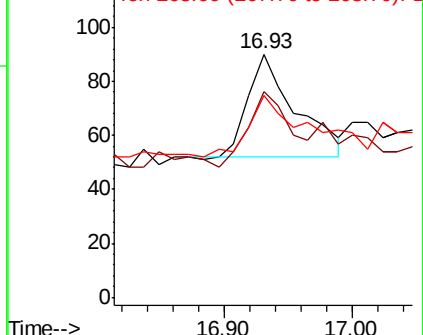
268 83.3 55.1 82.7#

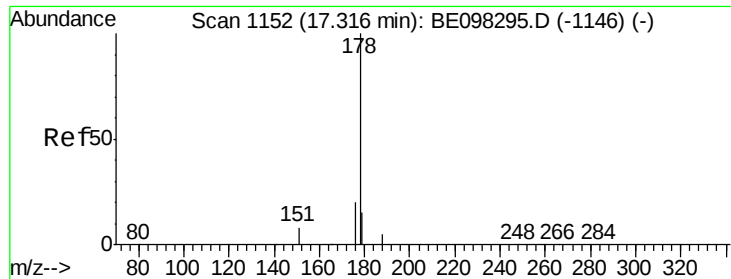


Abundance Ion 266.00 (265.70 to 266.70): E

Ion 264.00 (263.70 to 264.70): E

Ion 268.00 (267.70 to 268.70): E





#23

Phenanthrene

Concen: 0.030 ng

RT: 17.30 min Scan# 1151

Delta R.T. -0.01 min

Lab File: BE098457.D

Acq: 15 Dec 2018 5:34

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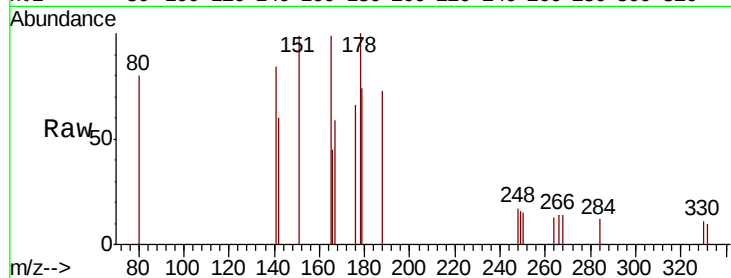
Tgt Ion:178 Resp: 485

Ion Ratio Lower Upper

178 100

176 65.8 15.9 23.9#

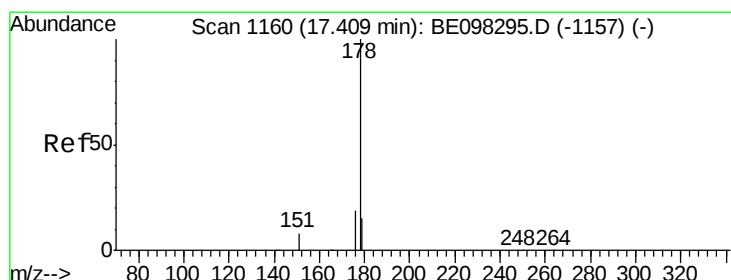
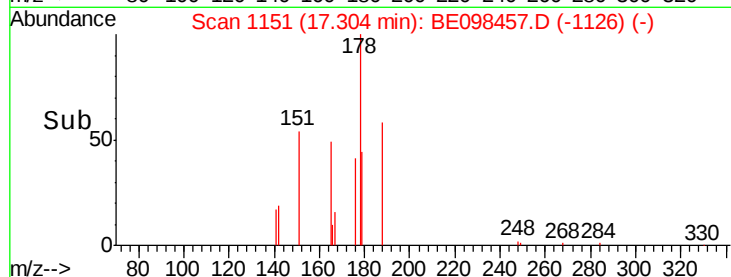
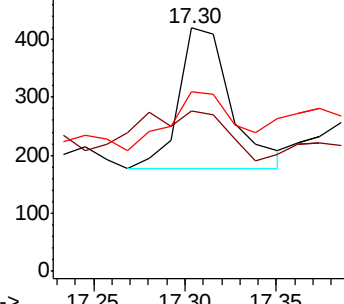
179 51.1 12.3 18.5#



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: 0.026 ng

RT: 17.40 min Scan# 1159

Delta R.T. -0.01 min

Lab File: BE098457.D

Acq: 15 Dec 2018 5:34

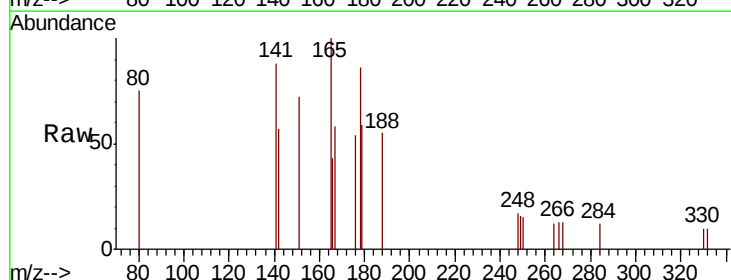
Tgt Ion:178 Resp: 374

Ion Ratio Lower Upper

178 100

176 48.9 15.0 22.4#

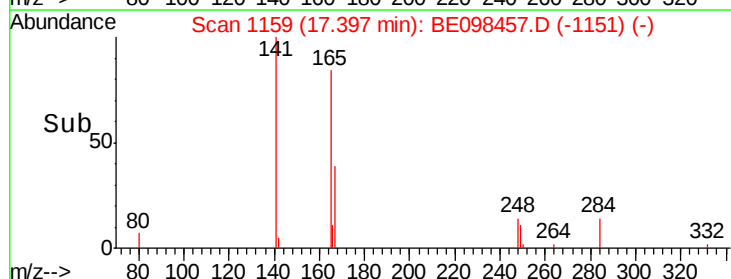
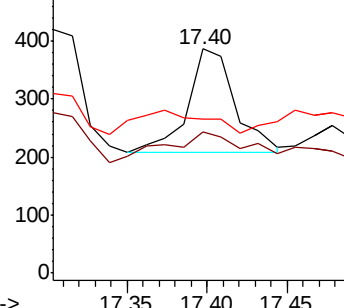
179 0.0 12.3 18.5#

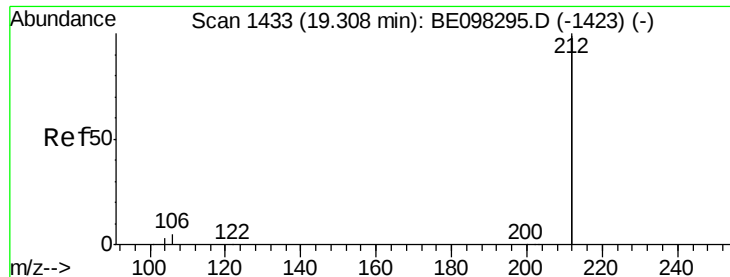


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#25

Fluoranthene-d10

Concen: 0.468 ng

RT: 19.30 min Scan# 1431

Delta R.T. -0.01 min

Lab File: BE098457.D

Acq: 15 Dec 2018 5:34

Instrument :

BNA_E

ClientSampleId :

BP-TT-AOC22-MW04-20181210

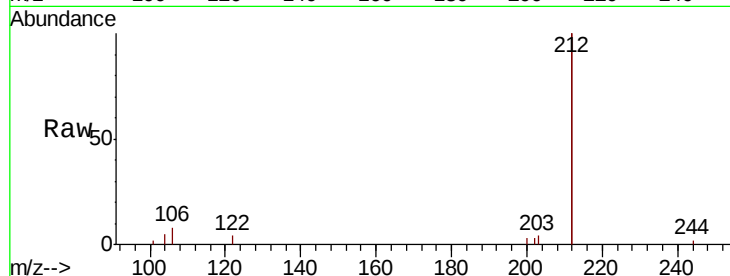
Tgt Ion: 212 Resp: 39772

Ion Ratio Lower Upper

212 100

106 2.7 2.2 3.2

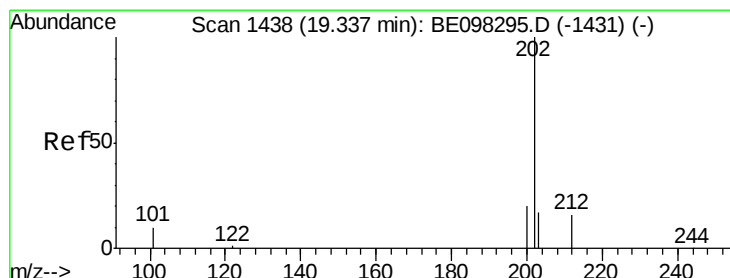
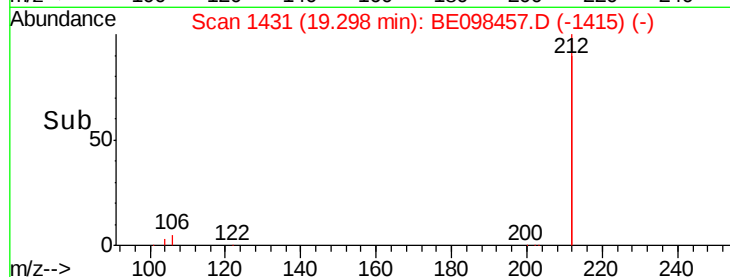
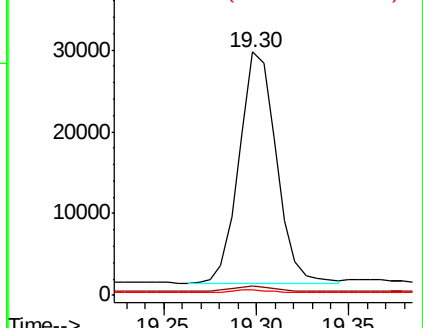
104 1.9 1.3 1.9



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: 0.024 ng

RT: 19.33 min Scan# 1437

Delta R.T. -0.00 min

Lab File: BE098457.D

Acq: 15 Dec 2018 5:34

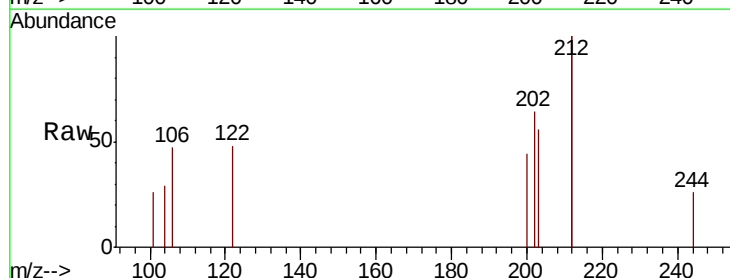
Tgt Ion: 202 Resp: 518

Ion Ratio Lower Upper

202 100

101 16.4 8.0 12.0#

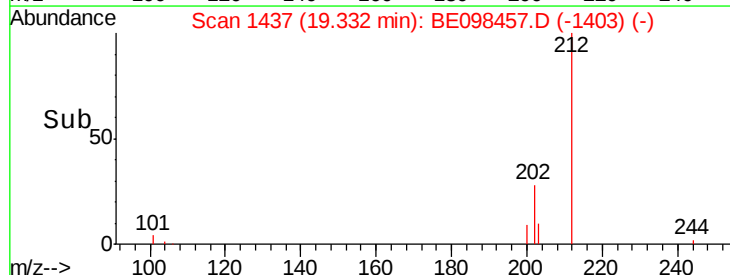
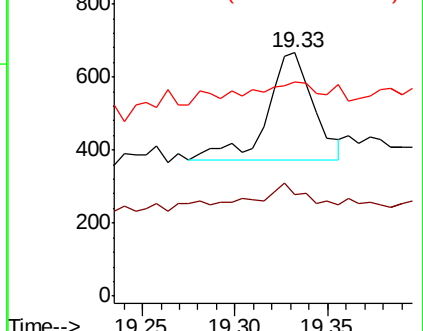
203 12.9 13.8 20.6#

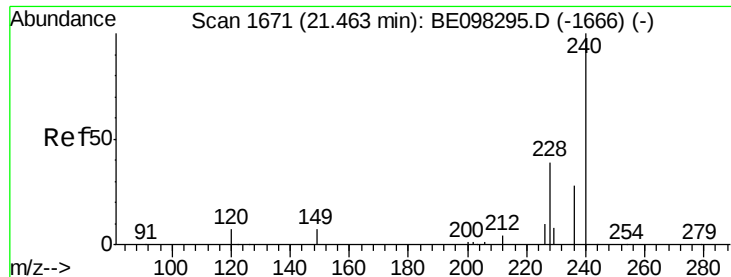


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E

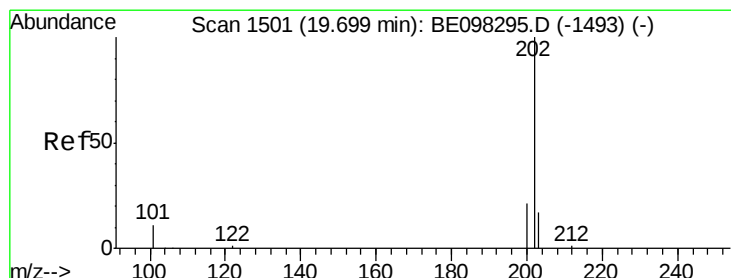
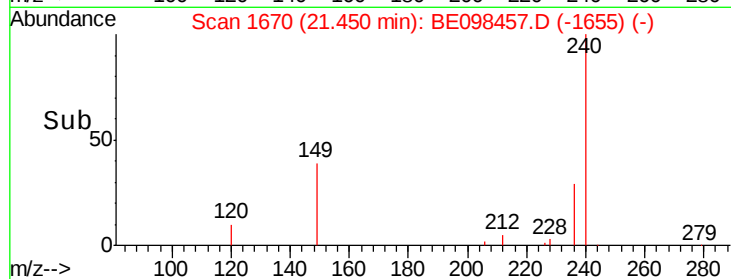
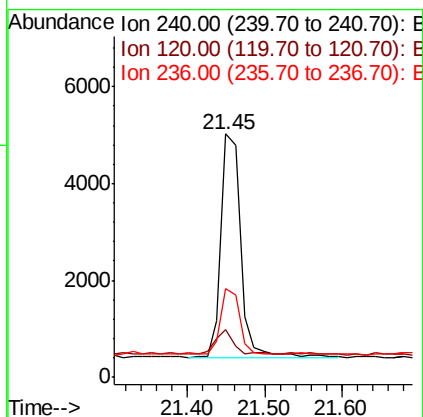
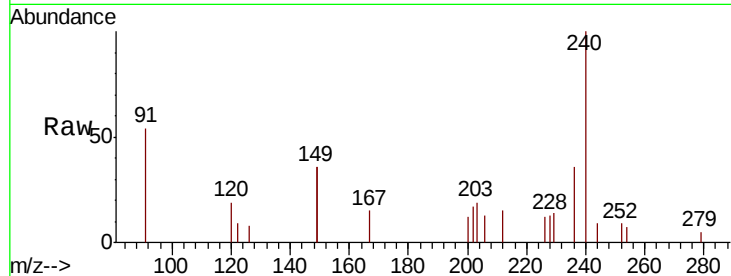




#27
 Chrysene-d12
 Concen: 0.400 ng
 RT: 21.45 min Scan# 1670
 Delta R.T. -0.01 min
 Lab File: BE098457.D
 Acq: 15 Dec 2018 5:34

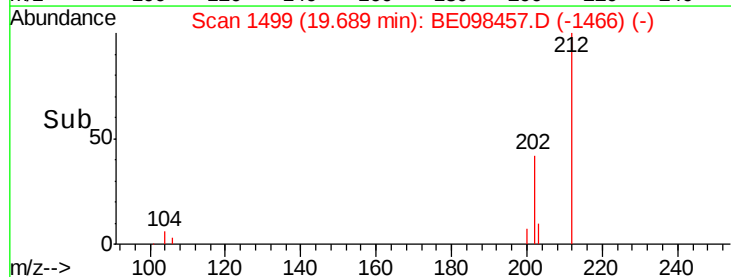
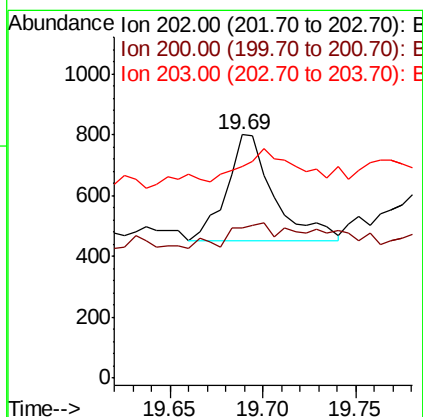
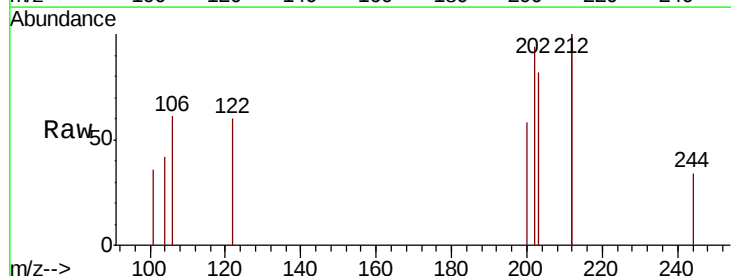
Instrument :
 BNA_E
 ClientSampleId :
 BP-TT-AOC22-MW04-20181210

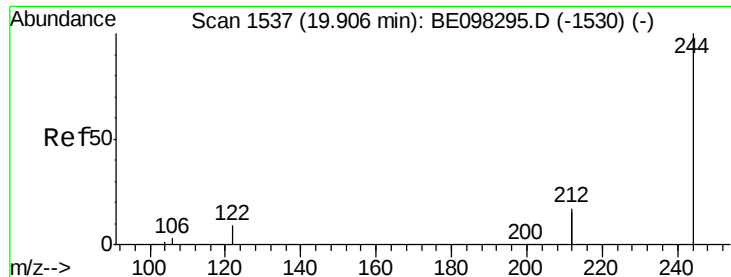
Tgt Ion: 240 Resp: 8234
 Ion Ratio Lower Upper
 240 100
 120 19.5 9.5 14.3#
 236 36.3 22.7 34.1#



#28
 Pyrene
 Concen: 0.024 ng
 RT: 19.69 min Scan# 1499
 Delta R.T. -0.01 min
 Lab File: BE098457.D
 Acq: 15 Dec 2018 5:34

Tgt Ion: 202 Resp: 628
 Ion Ratio Lower Upper
 202 100
 200 18.3 16.7 25.1
 203 37.1 14.1 21.1#





#29

Terphenyl-d14

Concen: 0.462 ng

RT: 19.90 min Scan# 1535

Delta R.T. -0.01 min

Lab File: BE098457.D

Acq: 15 Dec 2018 5:34

Instrument :

BNA_E

ClientSampleId :

BP-TT-AOC22-MW04-20181210

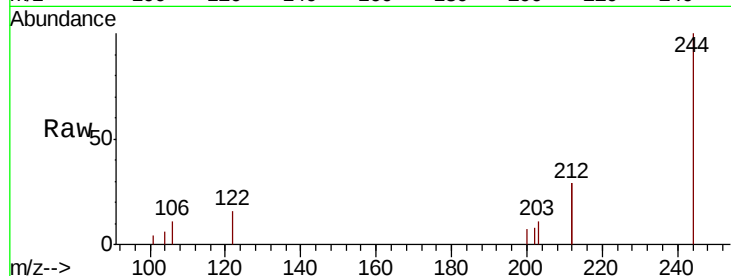
Tgt Ion:244 Resp: 9235

Ion Ratio Lower Upper

244 100

212 58.0 27.4 41.0#

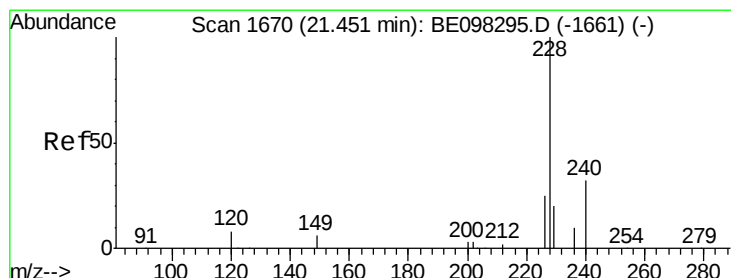
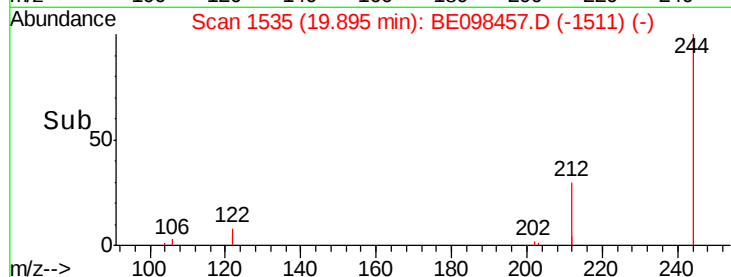
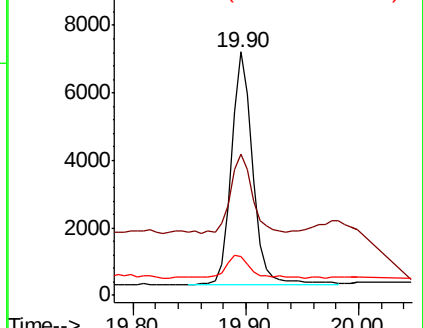
122 16.1 8.3 12.5#



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: 0.032 ng

RT: 21.44 min Scan# 1669

Delta R.T. -0.01 min

Lab File: BE098457.D

Acq: 15 Dec 2018 5:34

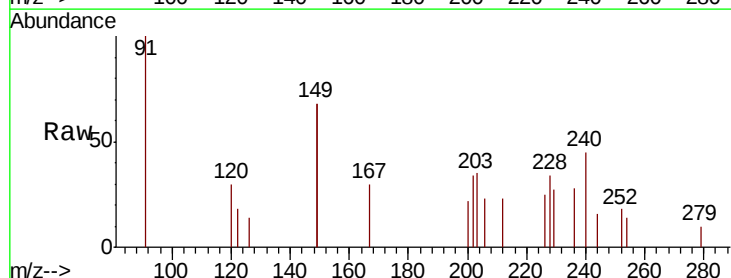
Tgt Ion:228 Resp: 743

Ion Ratio Lower Upper

228 100

226 71.4 21.8 32.8#

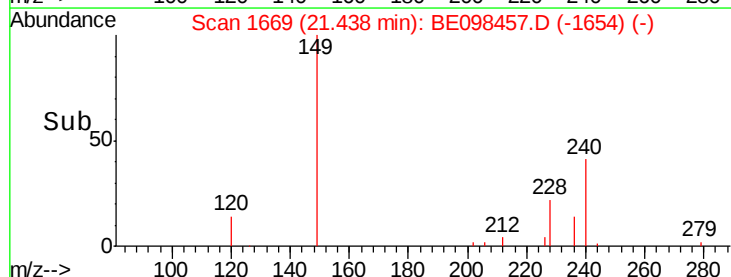
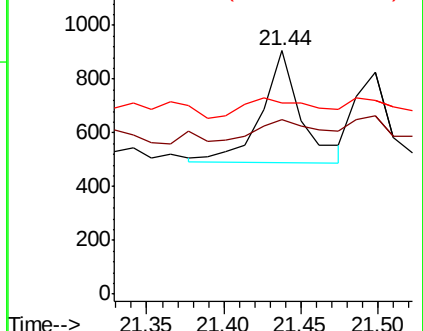
229 78.7 16.3 24.5#

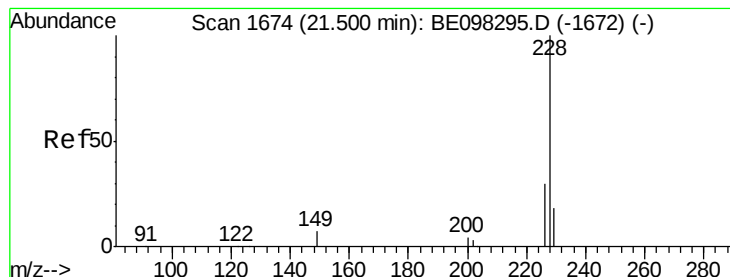


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#31

Chrysene

Concen: 0.025 ng

RT: 21.50 min Scan# 1674

Delta R.T. -0.00 min

Lab File: BE098457.D

Acq: 15 Dec 2018 5:34

Instrument :

BNA_E

ClientSampleId :

BP-TT-AOC22-MW04-20181210

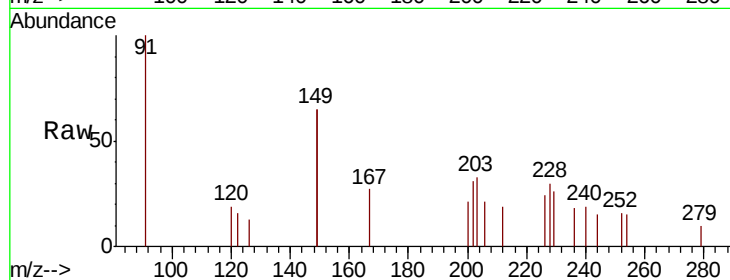
Tgt Ion:228 Resp: 611

Ion Ratio Lower Upper

228 100

226 80.3 23.4 35.0#

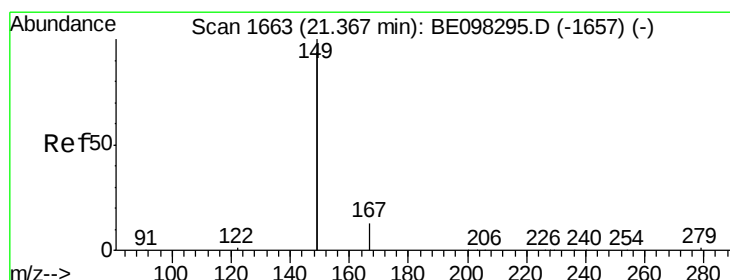
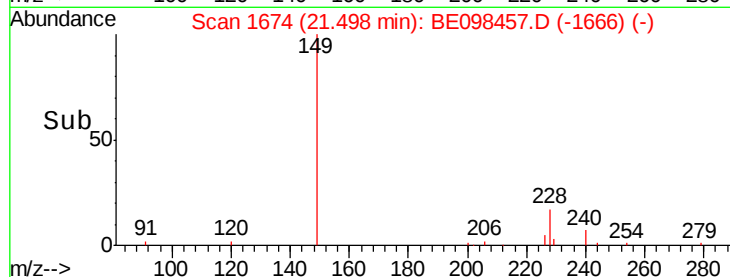
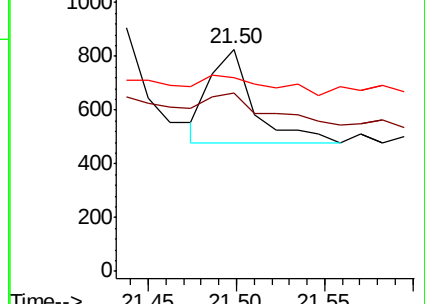
229 87.5 16.2 24.4#



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



#32

Bis(2-ethylhexyl)phthalate

Concen: 0.112 ng

RT: 21.35 min Scan# 1662

Delta R.T. -0.01 min

Lab File: BE098457.D

Acq: 15 Dec 2018 5:34

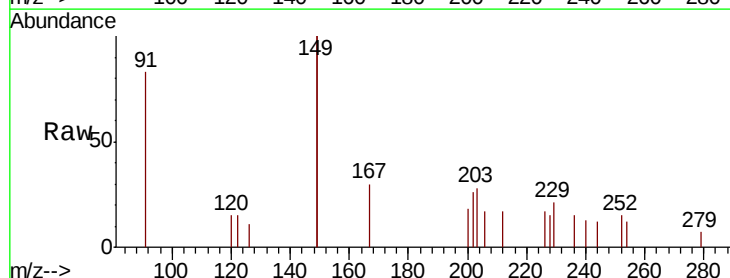
Tgt Ion:149 Resp: 5333

Ion Ratio Lower Upper

149 100

167 9.5 5.7 8.5#

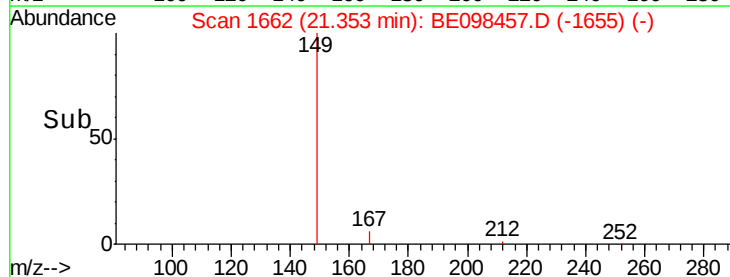
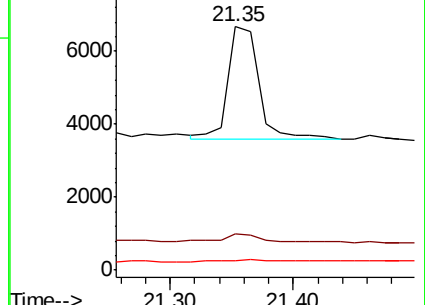
279 2.5 1.0 1.4#

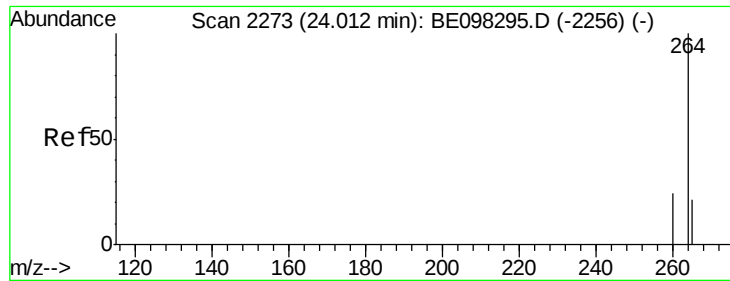


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E

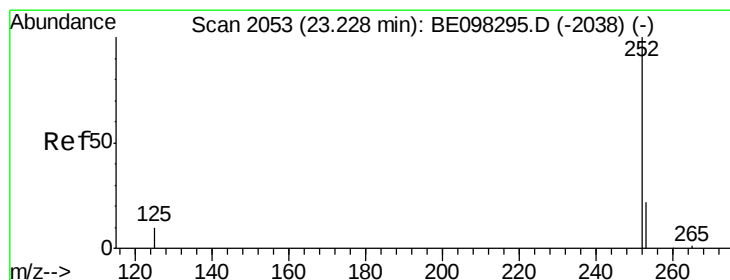
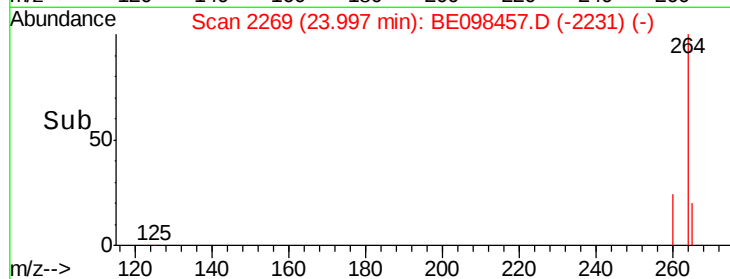
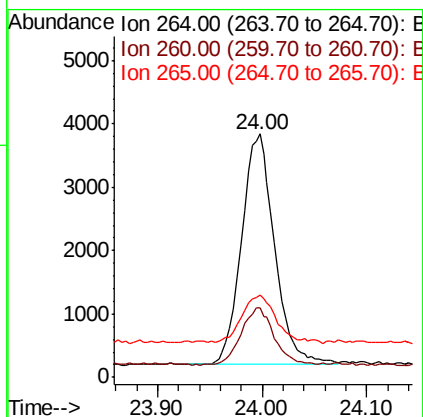
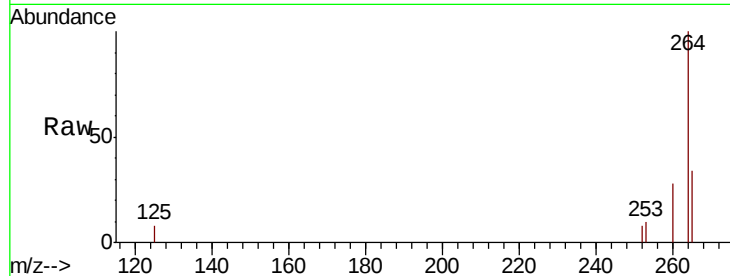




#34
Perylene-d12
Concen: 0.400 ng
RT: 24.00 min Scan# 2269
Delta R.T. -0.01 min
Lab File: BE098457.D
Acq: 15 Dec 2018 5:34

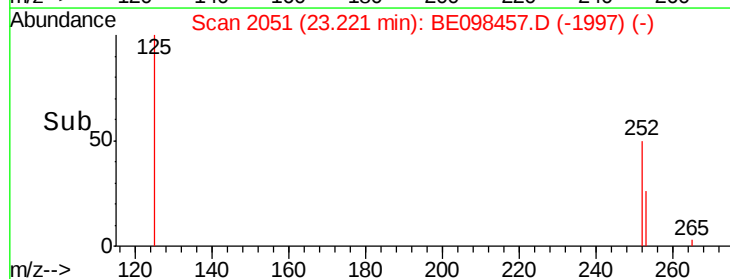
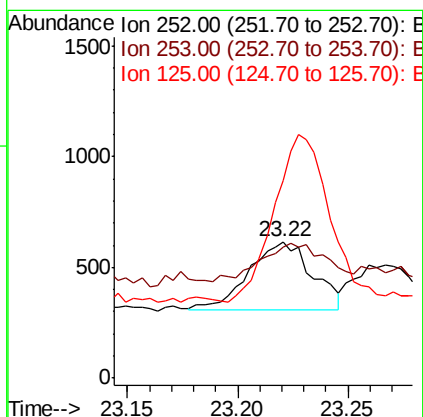
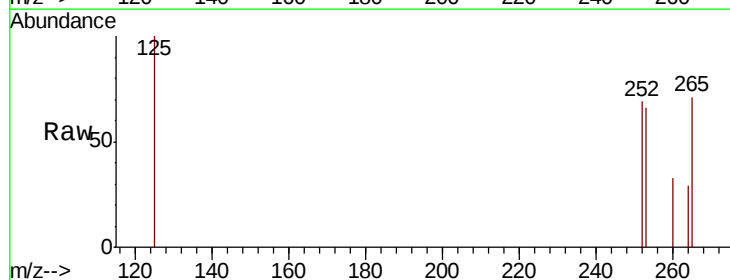
Instrument :
BNA_E
ClientSampleId :
BP-TT-AOC22-MW04-20181210

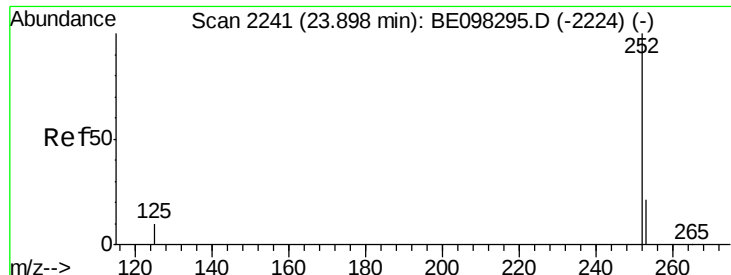
Tgt Ion: 264 Resp: 8022
Ion Ratio Lower Upper
264 100
260 28.4 20.2 30.2
265 33.7 25.2 37.8



#35
Benzo(b)fluoranthene
Concen: 0.028 ng
RT: 23.22 min Scan# 2051
Delta R.T. -0.01 min
Lab File: BE098457.D
Acq: 15 Dec 2018 5:34

Tgt Ion: 252 Resp: 618
Ion Ratio Lower Upper
252 100
253 96.1 20.0 30.0#
125 145.2 9.6 14.4#





#37

Benzo(a)pyrene

Concen: 0.021 ng

RT: 23.89 min Scan# 2239

Delta R.T. -0.01 min

Lab File: BE098457.D

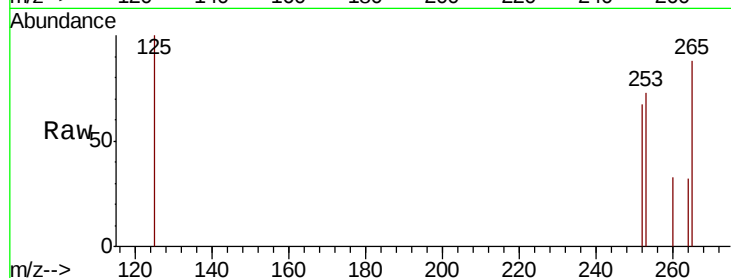
Acq: 15 Dec 2018 5:34

Instrument :

BNA_E

ClientSampleId :

BP-TT-AOC22-MW04-20181210



Tgt Ion:	252	Resp:	475
Ion Ratio	Lower	Upper	
252	100		
253	107.9	20.6	30.8#
125	148.6	10.5	15.7#

