

Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE031319\
 Data File : BE098928.D
 Acq On : 14 Mar 2019 2:31
 Operator : JU/SJ
 Sample : K1856-10
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 BP-TT-AOC22-MW07-20190311

Quant Time: Mar 14 06:57:40 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA E\METHODS\8270-SIM-BE030619.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Mar 06 15:33:24 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.80	152	802	0.40	ng	0.01
7) Naphthalene-d8	10.60	136	3680	0.40	ng	0.01
13) Acenaphthene-d10	14.46	164	2601	0.40	ng	0.00
19) Phenanthrene-d10	17.21	188	6390	0.40	ng	0.00
27) Chrysene-d12	21.39	240	7682	0.40	ng	-0.01
34) Perylene-d12	23.89	264	7687	0.40	ng	-0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Fluorophenol	5.41	112	321	0.13	ng	0.02
5) Phenol-d6	6.94	99	3	0.00	ng	-0.05
8) Nitrobenzene-d5	9.02	82	1007	0.26	ng	0.05
11) 2-Methylnaphthalene-d10	12.21	152	1988	0.29	ng	0.01
14) 2,4,6-Tribromophenol	15.97	330	433	0.33	ng	0.00
15) 2-Fluorobiphenyl	13.09	172	4050	0.38	ng	0.00
25) Fluoranthene-d10	19.24	212	30599	0.30	ng	0.00
29) Terphenyl-d14	19.84	244	7834	0.42	ng	0.00

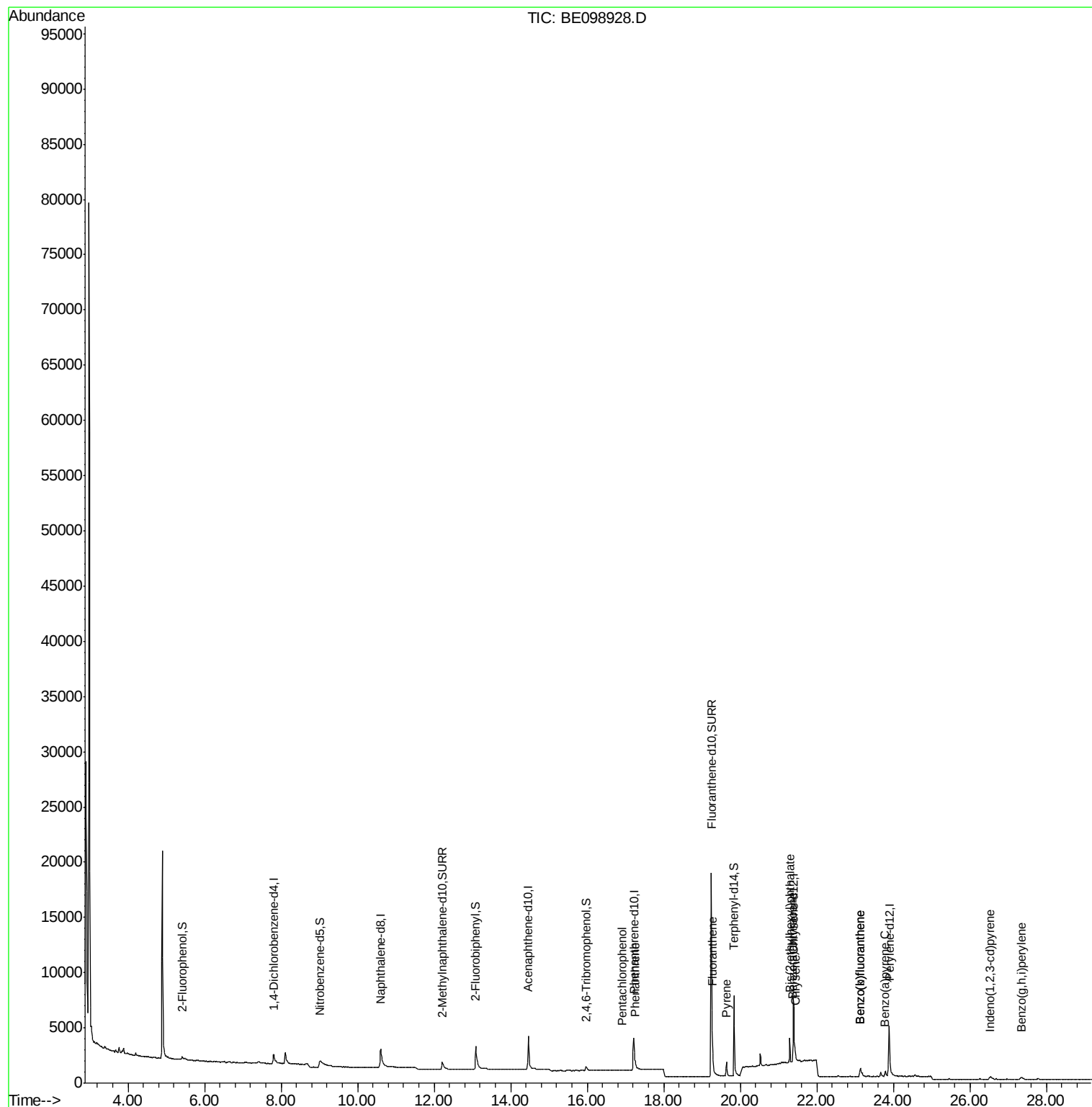
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
22) Pentachlorophenol	16.92	266	17	0.277	ng	87
23) Phenanthrene	17.25	178	669	0.037	ng	# 95
26) Fluoranthene	19.27	202	1740	0.068	ng	99
28) Pyrene	19.64	202	1457	0.062	ng	97
30) Benzo(a)anthracene	21.38	228	608	0.025	ng	# 72
31) Chrysene	21.44	228	958	0.037	ng	# 83
32) Bis(2-ethylhexyl)phthalate	21.29	149	2522	0.049	ng	# 99
33) Indeno(1,2,3-cd)pyrene	26.54	276	580	0.021	ng	# 73
35) Benzo(b)fluoranthene	23.14	252	1238	0.049	ng	# 46
36) Benzo(k)fluoranthene	23.14	252	1238	0.047	ng	# 50
37) Benzo(a)pyrene	23.79	252	658	0.027	ng	# 13
39) Benzo(a,h,i)perylene	27.34	276	589	0.025	ng	# 60

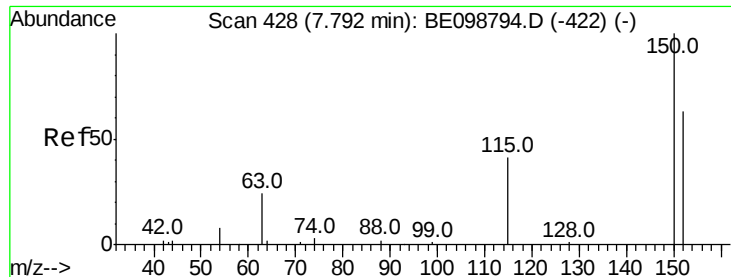
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 0.400 ng

RT: 7.80 min Scan# 429

Delta R.T. 0.01 min

Lab File: BE098928.D

Acq: 14 Mar 2019 2:31

Instrument :

BNA_E

ClientSampleId :

BP-TT-AOC22-MW07-20190311

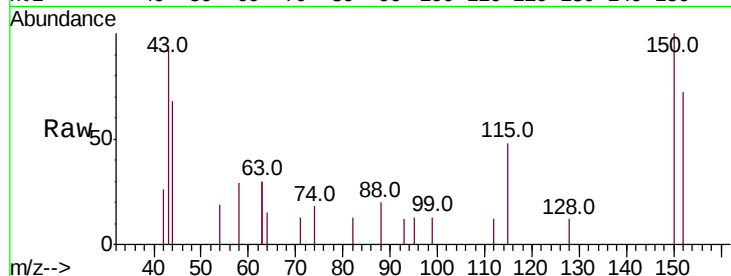
Tot Ion:152 Resp: 802

Ion Ratio Lower Upper

152 100

150 138.9 122.5 183.7

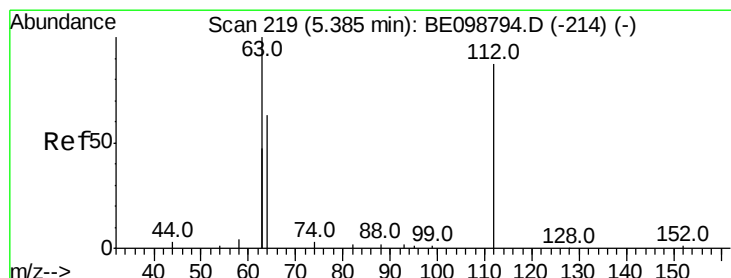
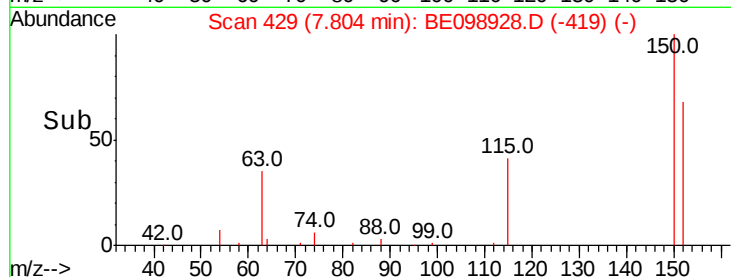
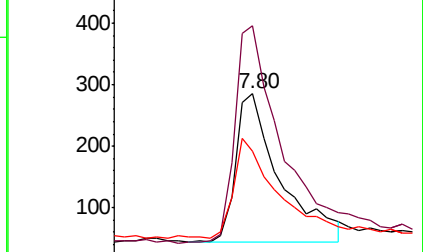
115 67.0 57.4 86.2



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



#4

2-Fluorophenol

Concen: 0.134 ng

RT: 5.41 min Scan# 221

Delta R.T. 0.02 min

Lab File: BE098928.D

Acq: 14 Mar 2019 2:31

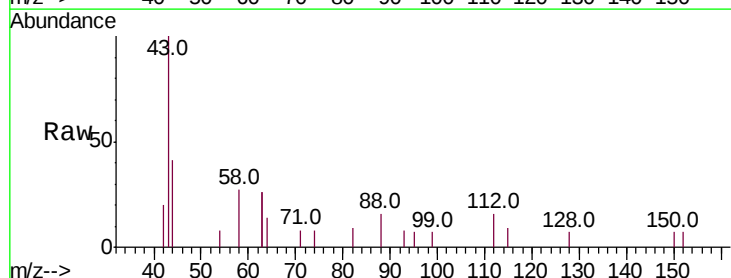
Tgt Ion:112 Resp: 321

Ion Ratio Lower Upper

112 100

64 81.3 57.9 86.9

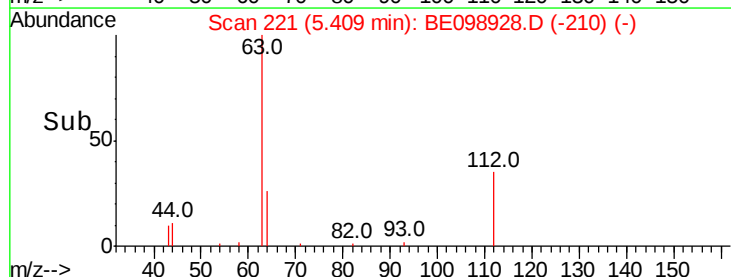
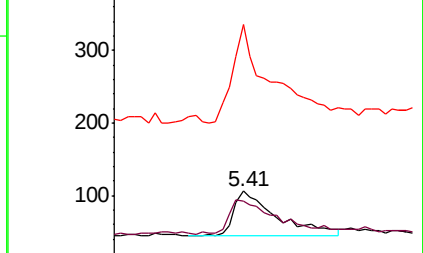
63 197.2 158.3 237.5

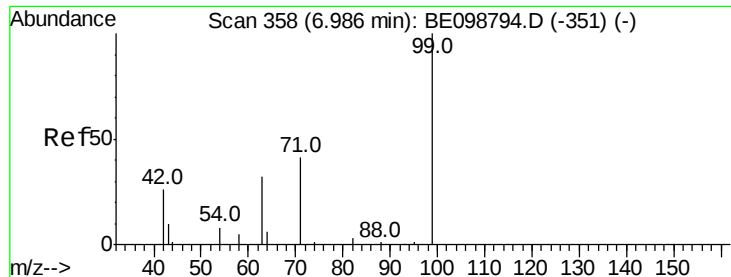


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BE0

Ion 63.00 (62.70 to 63.70): BE0





#5

Phenol-d6

Concen: 0.001 ng

RT: 6.94 min Scan# 354

Delta R.T. -0.05 min

Lab File: BE098928.D

Acq: 14 Mar 2019 2:31

Instrument :

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BP-TT-AOC22-MW07-20190311

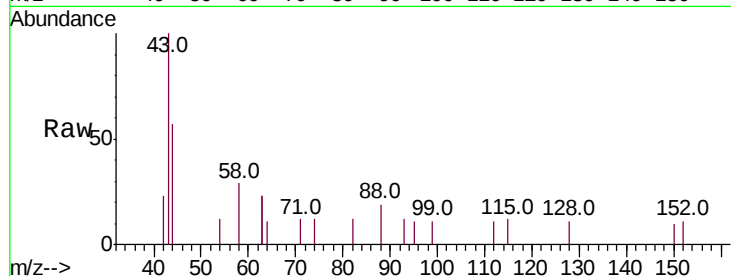
Tot Ion: 99 Resp: 3

Ion Ratio Lower Upper

99 100

42 700.0 24.2 36.2#

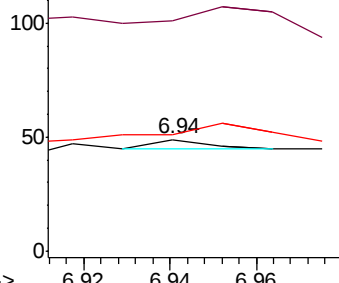
71 400.0 35.7 53.5#



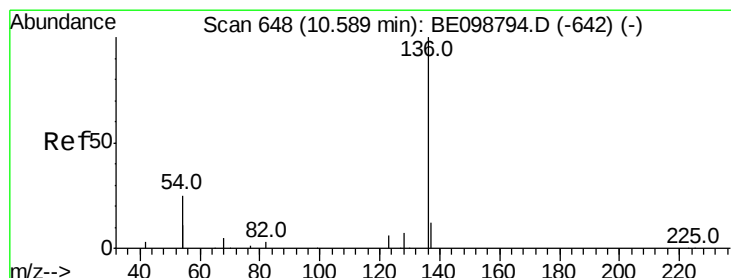
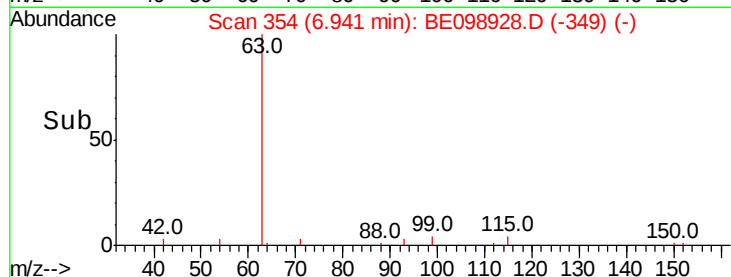
Abundance Ion 99.00 (98.70 to 99.70): BE0

Ion 42.00 (41.70 to 42.70): BE0

Ion 71.00 (70.70 to 71.70): BE0



Time-->



#7

Naphthalene-d8

Concen: 0.400 ng

RT: 10.60 min Scan# 649

Delta R.T. 0.01 min

Lab File: BE098928.D

Acq: 14 Mar 2019 2:31

Tgt Ion: 136 Resp: 3680

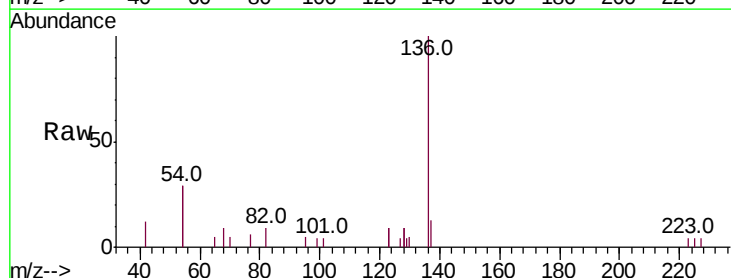
Ion Ratio Lower Upper

136 100

137 13.5 11.4 17.0

54 57.6 39.3 58.9

68 9.1 6.7 10.1

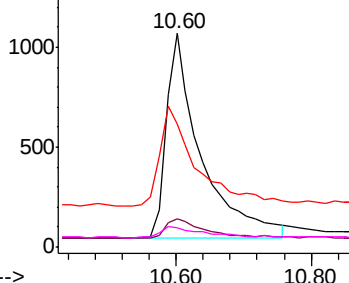


Abundance Ion 136.00 (135.70 to 136.70): E

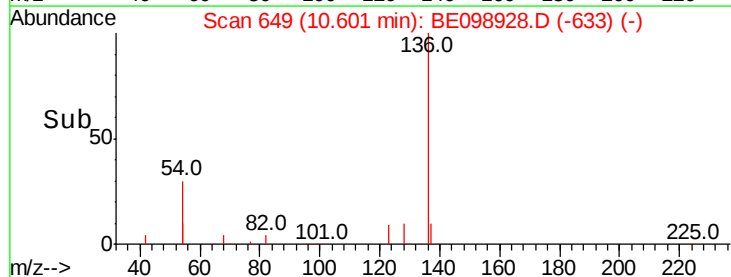
Ion 137.00 (136.70 to 137.70): E

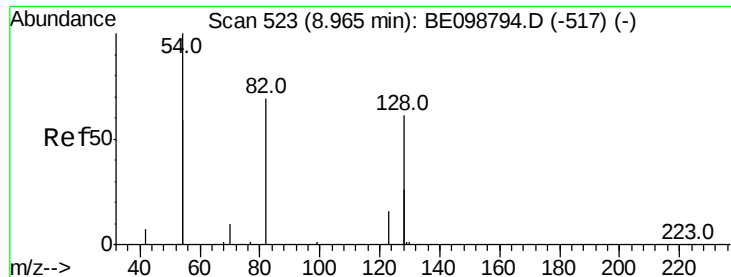
Ion 54.00 (53.70 to 54.70): BE0

Ion 68.00 (67.70 to 68.70): BE0



Time-->





#8

Nitrobenzene-d5

Concen: 0.261 ng

RT: 9.02 min Scan# 527

Delta R.T. 0.05 min

Lab File: BE098928.D

Acq: 14 Mar 2019 2:31

Instrument :

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BP-TT-AOC22-MW07-20190311

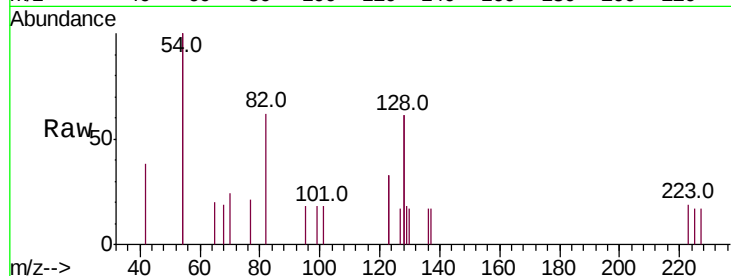
Tot Ion: 82 Resp: 1007

Ion Ratio Lower Upper

82 100

128 196.4 123.8 185.8#

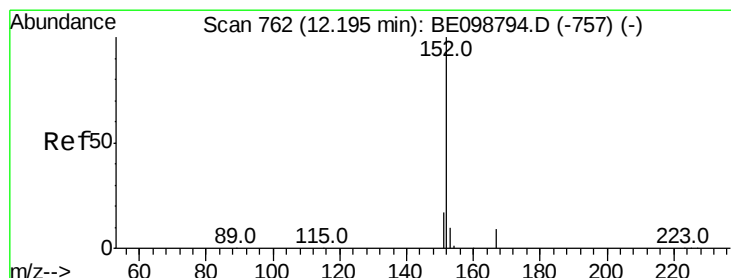
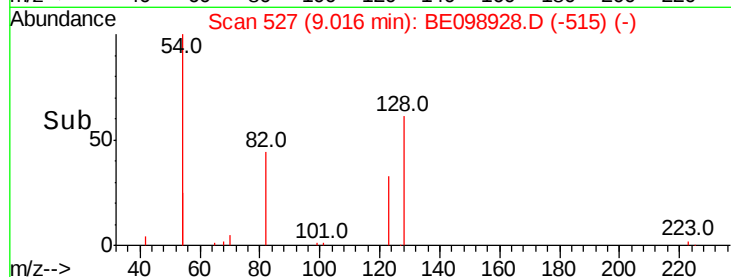
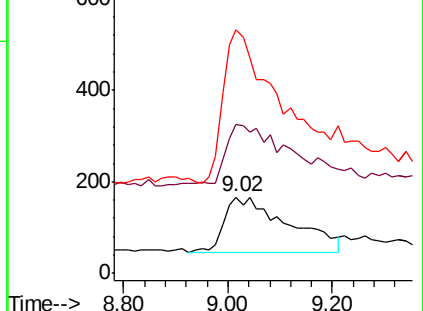
54 320.5 203.4 305.2#



Abundance Ion 82.00 (81.70 to 82.70): BE0

Ion 128.00 (127.70 to 128.70): BE0

Ion 54.00 (53.70 to 54.70): BE0



#11

2-Methylnaphthalene-d10

Concen: 0.292 ng

RT: 12.21 min Scan# 763

Delta R.T. 0.01 min

Lab File: BE098928.D

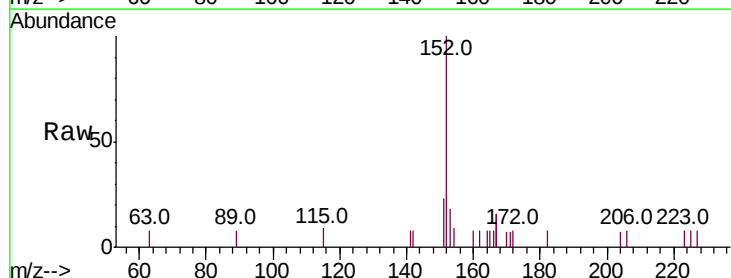
Acq: 14 Mar 2019 2:31

Tgt Ion: 152 Resp: 1988

Ion Ratio Lower Upper

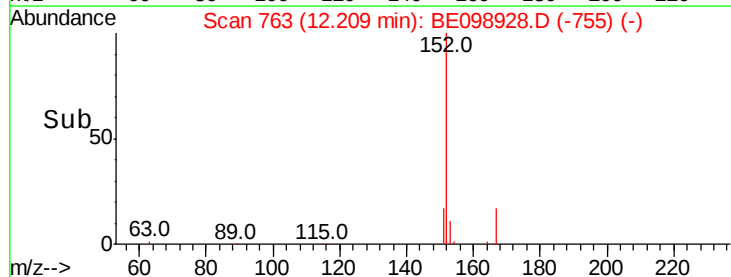
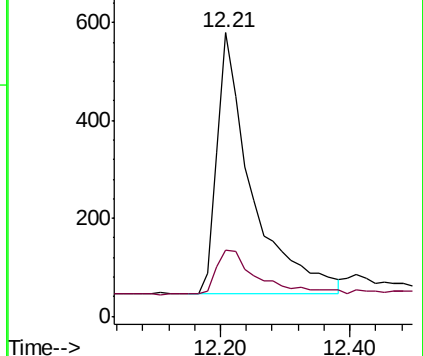
152 100

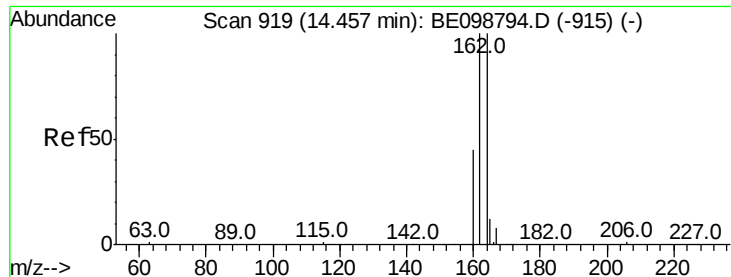
151 20.0 16.5 24.7



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

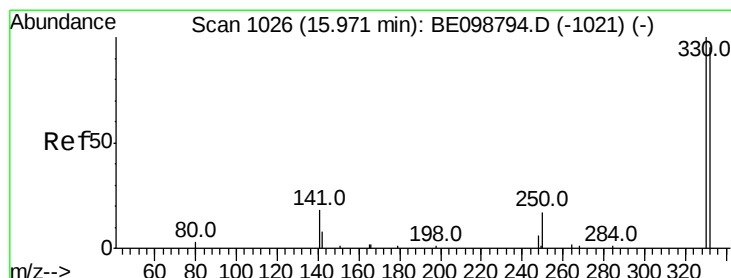
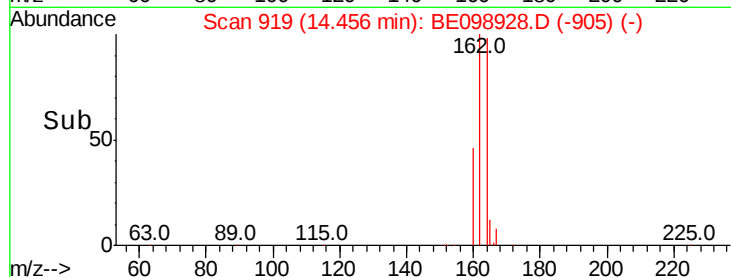
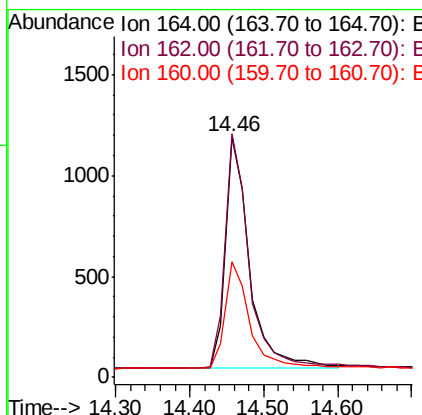
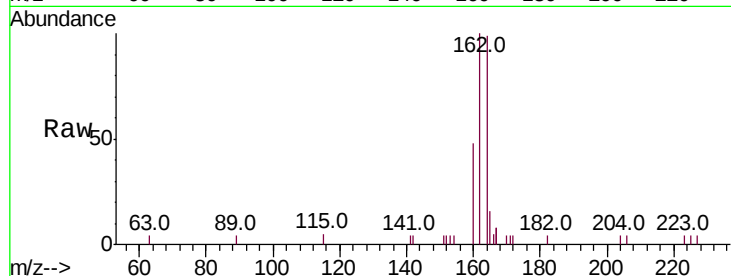




#13
 Acenaphthene-d10
 Concen: 0.400 ng
 RT: 14.46 min Scan# 919
 Delta R.T. -0.00 min
 Lab File: BE098928.D
 Acq: 14 Mar 2019 2:31

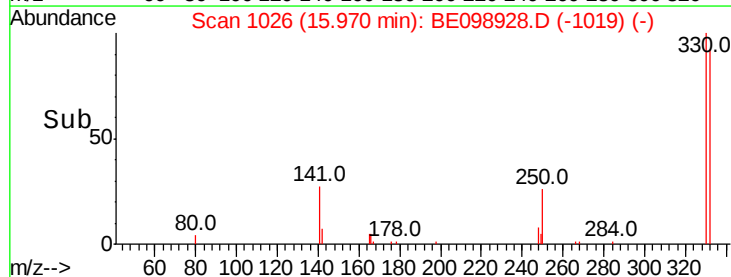
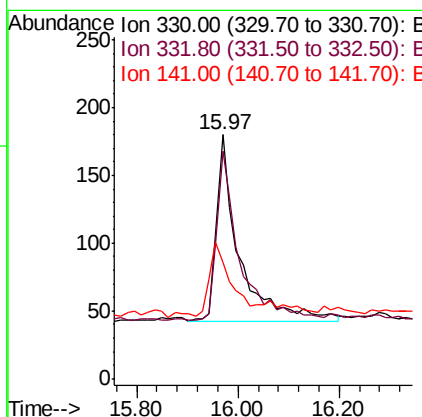
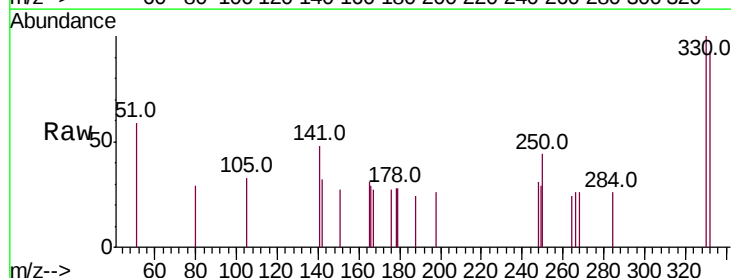
Instrument :
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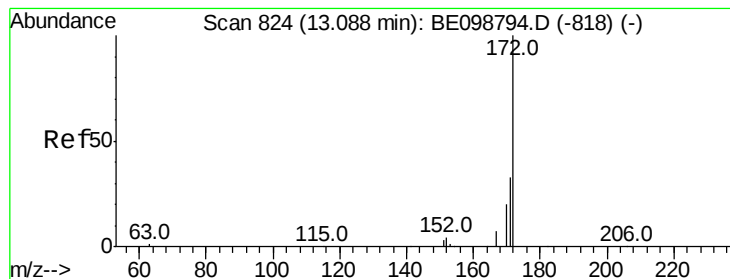
Tot Ion:164 Resp: 2601
 Ion Ratio Lower Upper
 164 100
 162 101.4 80.2 120.2
 160 48.2 37.8 56.8



#14
 2,4,6-Tribromophenol
 Concen: 0.330 ng
 RT: 15.97 min Scan# 1026
 Delta R.T. -0.00 min
 Lab File: BE098928.D
 Acq: 14 Mar 2019 2:31

Tgt Ion:330 Resp: 433
 Ion Ratio Lower Upper
 330 100
 332 89.8 77.6 116.4
 141 37.6 31.0 46.4

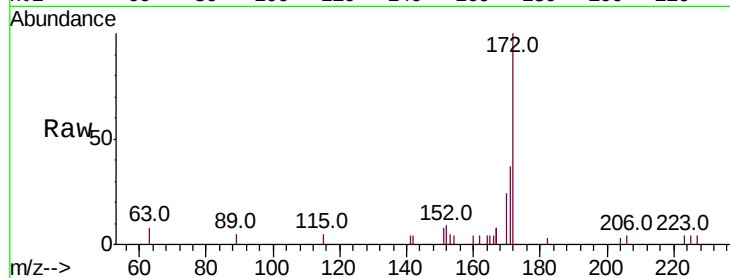




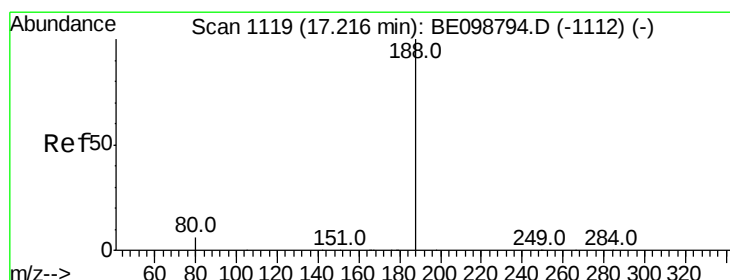
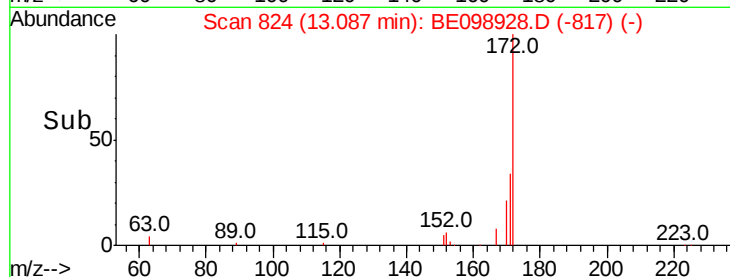
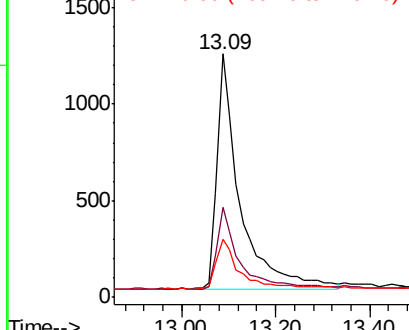
#15
2-Fluorobiphenyl
Concen: 0.376 ng
RT: 13.09 min Scan# 824
Delta R.T. -0.00 min
Lab File: BE098928.D
Acq: 14 Mar 2019 2:31

Instrument :
BNA_E
ClientSampleId :
BP-TT-AOC22-MW07-20190311

Tot Ion:172 Resp: 4050
Ion Ratio Lower Upper
172 100
171 36.7 28.0 42.0
170 23.9 17.7 26.5

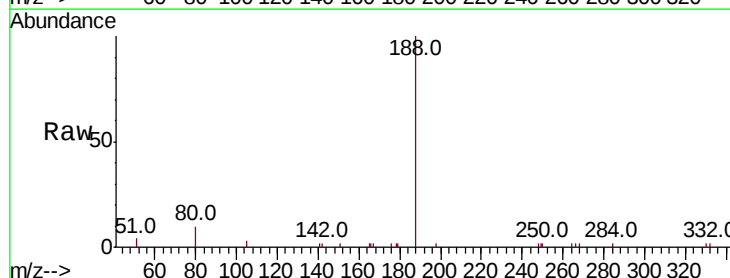


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

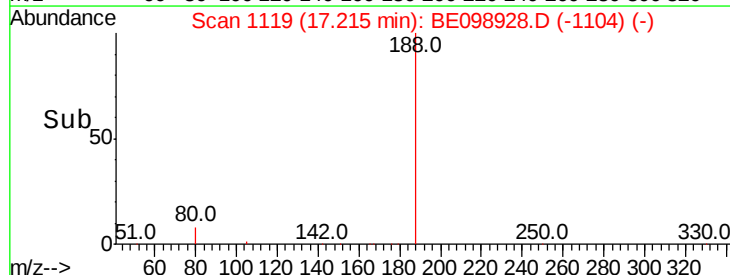
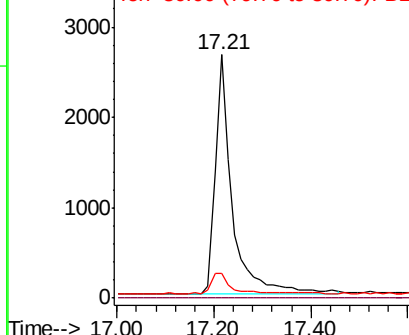


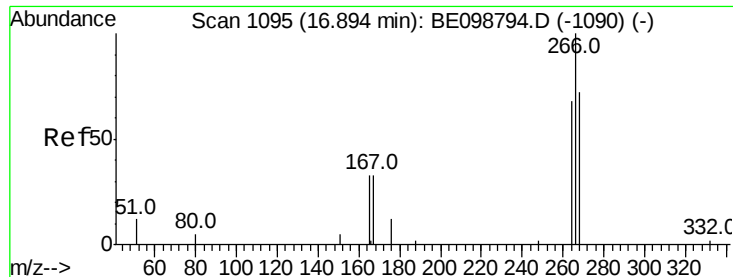
#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.21 min Scan# 1119
Delta R.T. -0.00 min
Lab File: BE098928.D
Acq: 14 Mar 2019 2:31

Tgt Ion:188 Resp: 6390
Ion Ratio Lower Upper
188 100
94 0.0 0.0 0.0
80 10.0 6.3 9.5#



Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BE0
Ion 80.00 (79.70 to 80.70): BE0





#22

Pentachlorophenol

Concen: 0.277 ng

RT: 16.92 min Scan# 1097

Delta R.T. 0.03 min

Lab File: BE098928.D

Acq: 14 Mar 2019 2:31

Instrument :

BNA_E

ClientSampleId :

BP-TT-AOC22-MW07-20190311

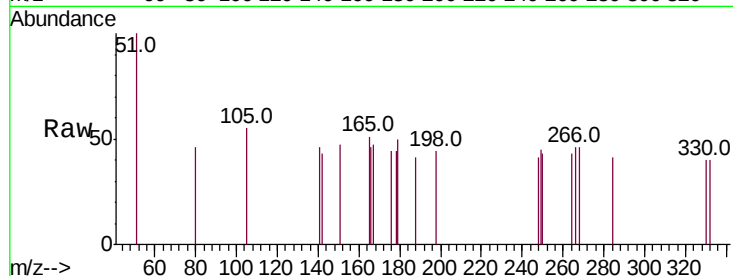
Tot Ion:266 Resp: 17

Ion Ratio Lower Upper

266 100

264 94.0 66.6 100.0

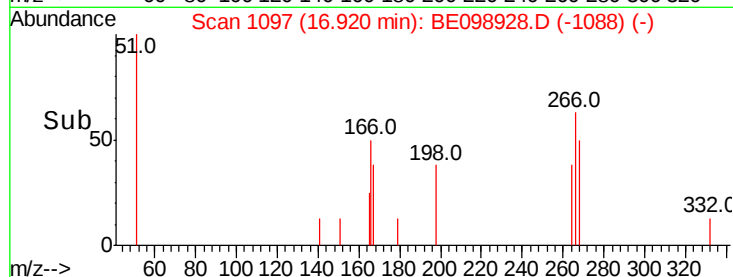
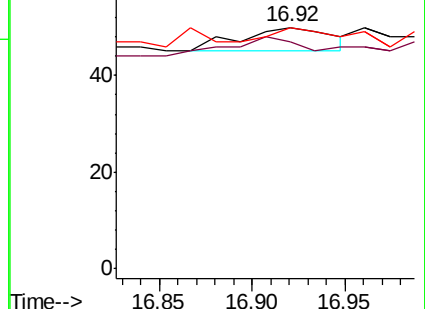
268 100.0 69.8 104.8



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: 0.037 ng

RT: 17.25 min Scan# 1122

Delta R.T. -0.00 min

Lab File: BE098928.D

Acq: 14 Mar 2019 2:31

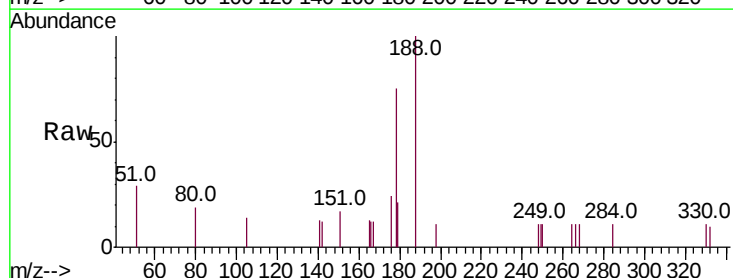
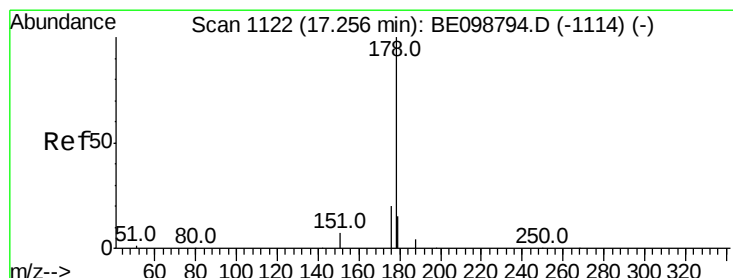
Tgt Ion:178 Resp: 669

Ion Ratio Lower Upper

178 100

176 19.7 16.0 24.0

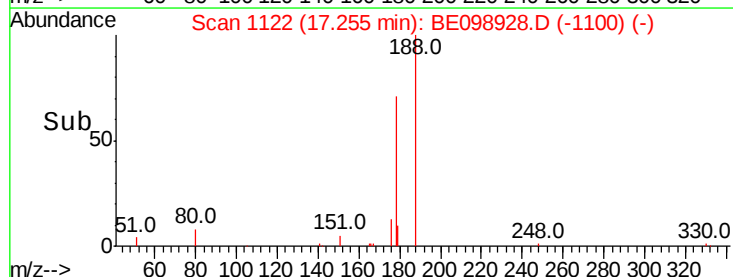
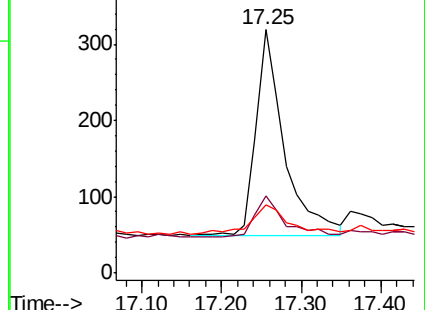
179 19.3 12.1 18.1#

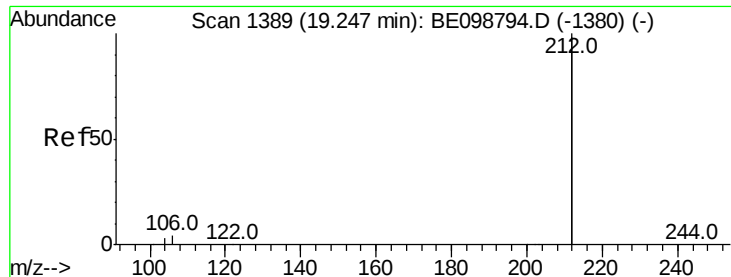


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#25

Fluoranthene-d10

Concen: 0.300 ng

RT: 19.24 min Scan# 1388

Delta R.T. -0.00 min

Lab File: BE098928.D

Acq: 14 Mar 2019 2:31

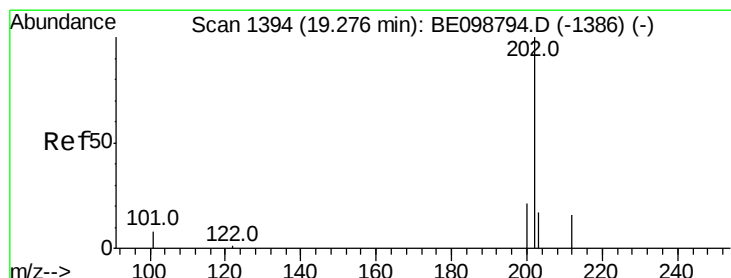
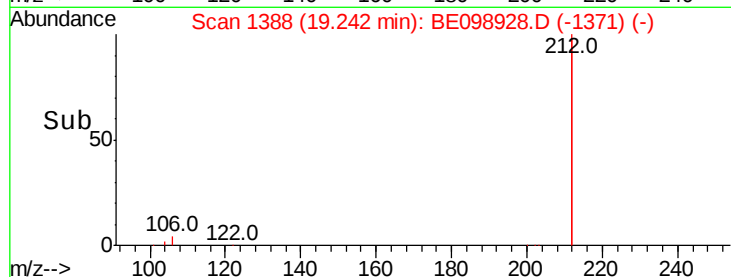
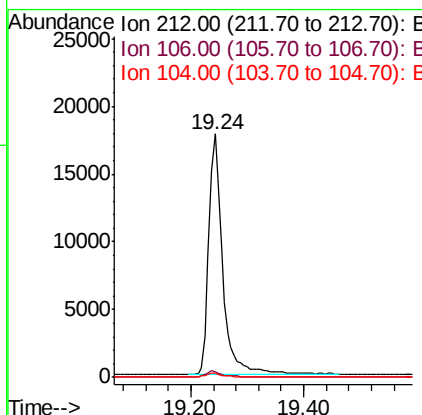
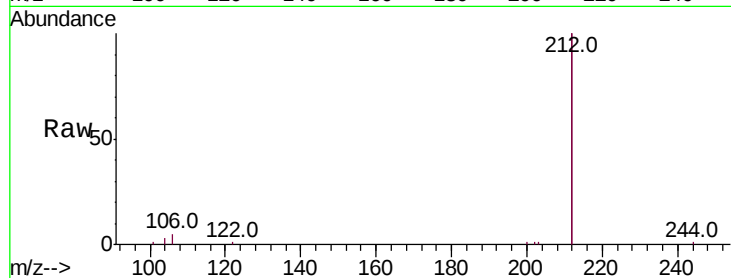
Instrument :

BNA_E

ClientSampleId :

BP-TT-AOC22-MW07-20190311

Tot Ion:212	Resp:	30599
Ion Ratio	Lower	Upper
212	100	
106	2.3	1.8 2.8
104	1.4	1.0 1.6



#26

Fluoranthene

Concen: 0.068 ng

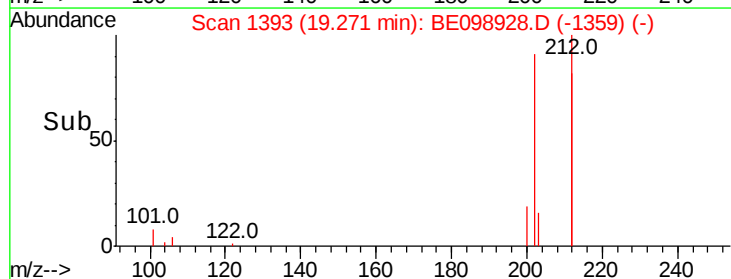
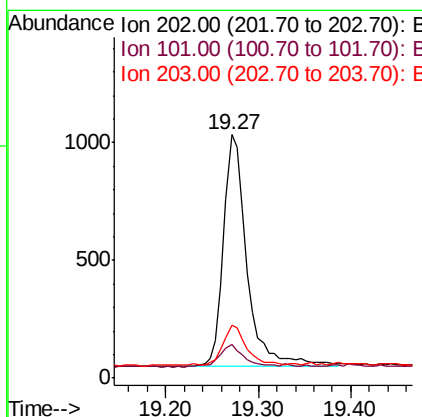
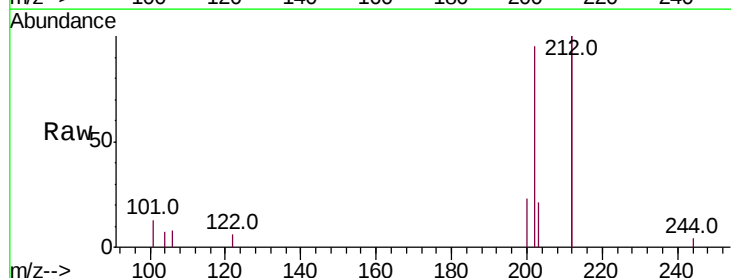
RT: 19.27 min Scan# 1393

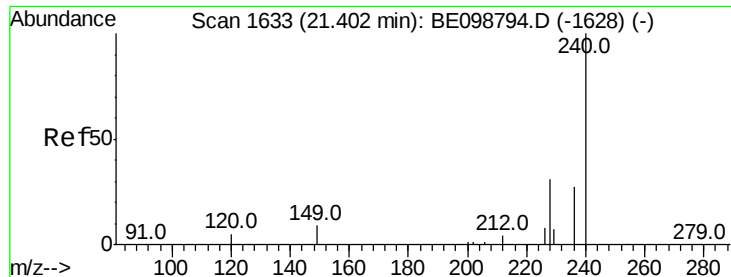
Delta R.T. -0.00 min

Lab File: BE098928.D

Acq: 14 Mar 2019 2:31

Tgt Ion:202	Resp:	1740
Ion Ratio	Lower	Upper
202	100	
101	9.9	7.3 10.9
203	16.8	13.4 20.2

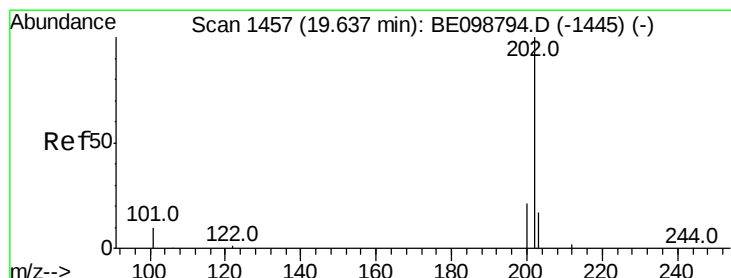
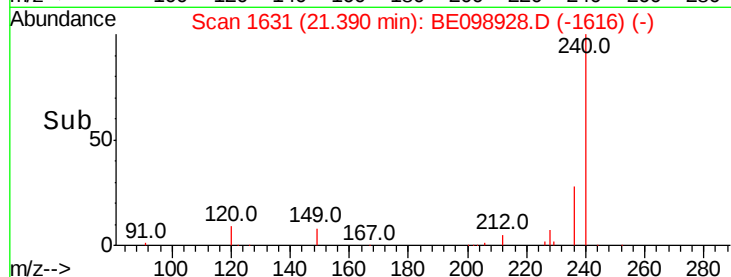
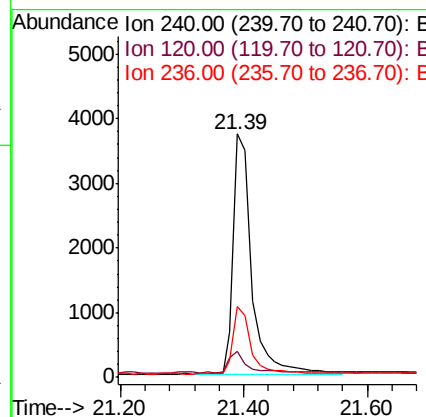
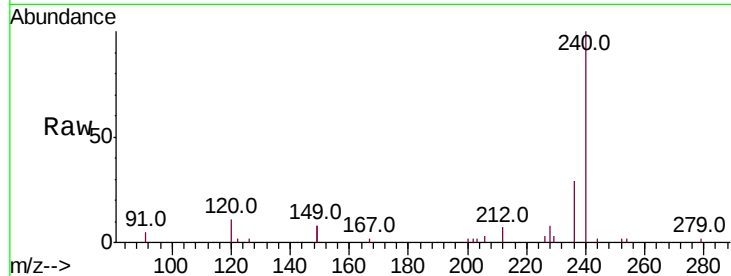




#27
 Chrysene-d12
 Concen: 0.400 ng
 RT: 21.39 min Scan# 1631
 Delta R.T. -0.01 min
 Lab File: BE098928.D
 Acq: 14 Mar 2019 2:31

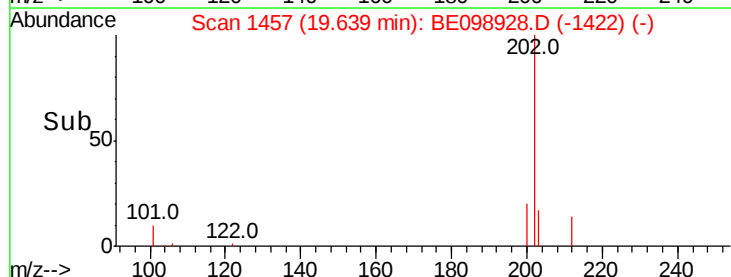
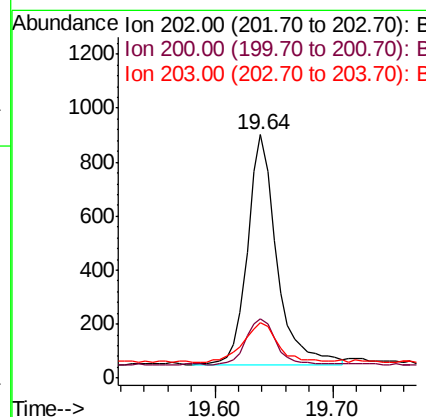
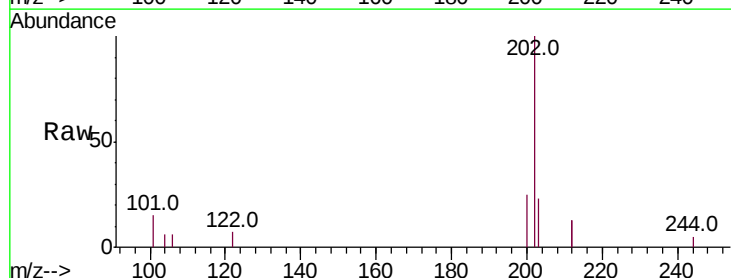
Instrument :
 BNA_E
 ClientSampleId :
 BP-TT-AOC22-MW07-20190311

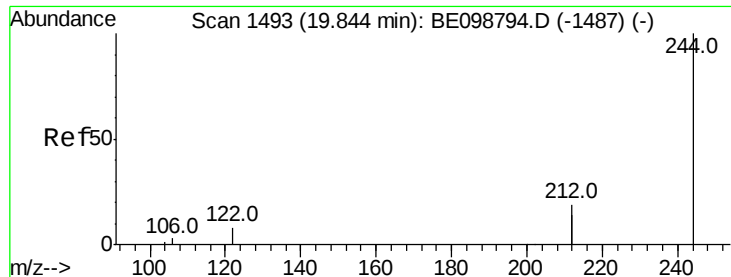
Tot Ion:240 Resp: 7682
 Ion Ratio Lower Upper
 240 100
 120 10.9 5.0 7.4#
 236 29.2 22.7 34.1



#28
 Pyrene
 Concen: 0.062 ng
 RT: 19.64 min Scan# 1457
 Delta R.T. 0.00 min
 Lab File: BE098928.D
 Acq: 14 Mar 2019 2:31

Tgt Ion:202 Resp: 1457
 Ion Ratio Lower Upper
 202 100
 200 21.6 17.0 25.6
 203 20.7 14.2 21.2





#29

Terphenyl-d14

Concen: 0.420 ng

RT: 19.84 min Scan# 1492

Delta R.T. -0.00 min

Lab File: BE098928.D

Acq: 14 Mar 2019 2:31

Instrument :

BNA_E

ClientSampleId :

BP-TT-AOC22-MW07-20190311

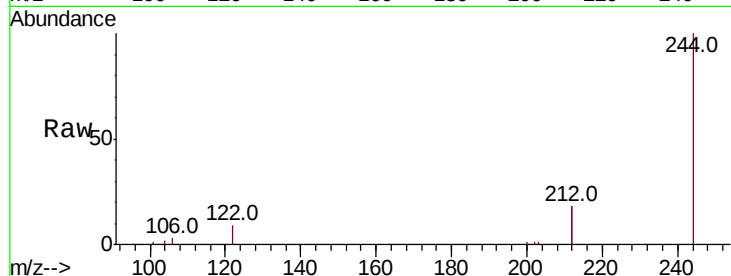
Tot Ion:244 Resp: 7834

Ion Ratio Lower Upper

244 100

212 35.8 29.4 44.2

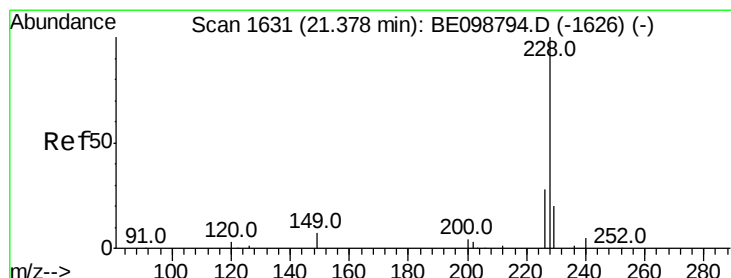
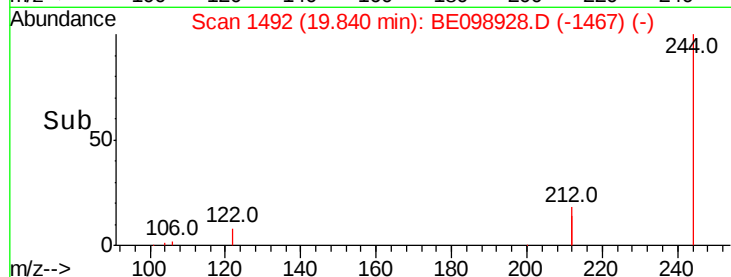
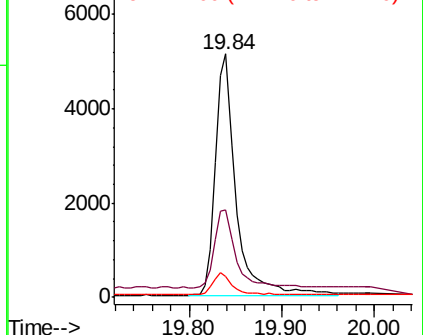
122 8.5 7.1 10.7



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: 0.025 ng

RT: 21.38 min Scan# 1630

Delta R.T. -0.00 min

Lab File: BE098928.D

Acq: 14 Mar 2019 2:31

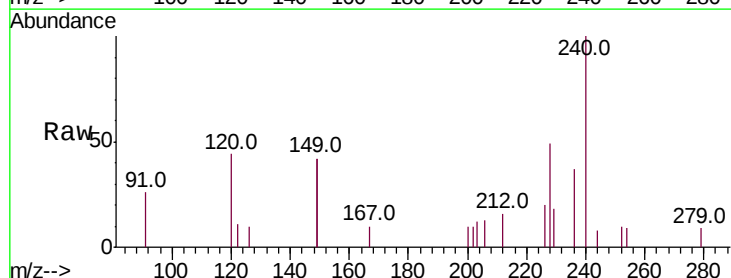
Tgt Ion:228 Resp: 608

Ion Ratio Lower Upper

228 100

226 40.6 23.0 34.4#

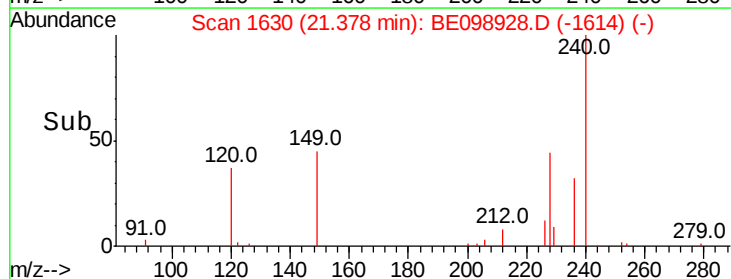
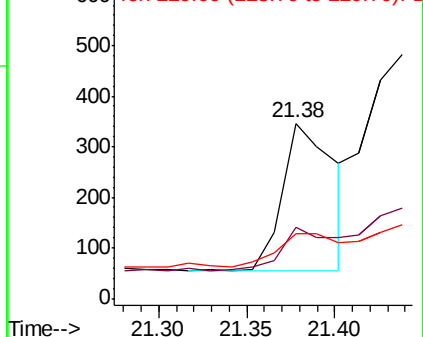
229 36.9 16.5 24.7#

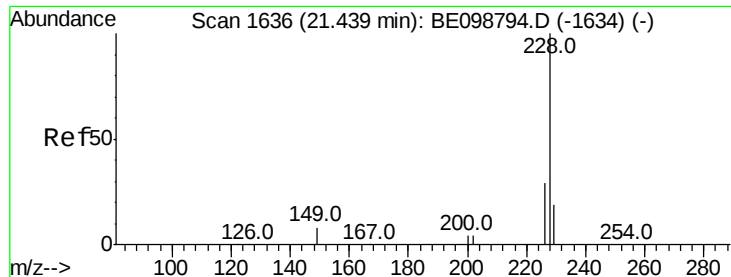


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#31

Chrysene

Concen: 0.037 ng

RT: 21.44 min Scan# 1635

Delta R.T. -0.00 min

Lab File: BE098928.D

Acq: 14 Mar 2019 2:31

Instrument :

BNA_E

ClientSampleId :

BP-TT-AOC22-MW07-20190311

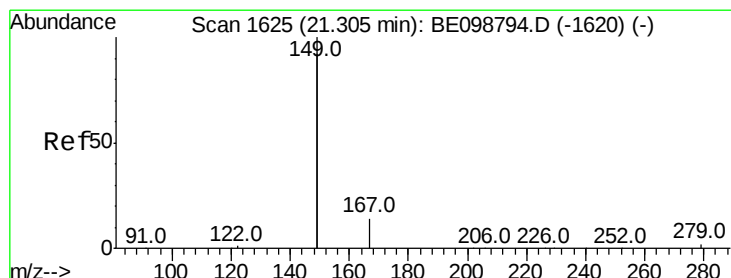
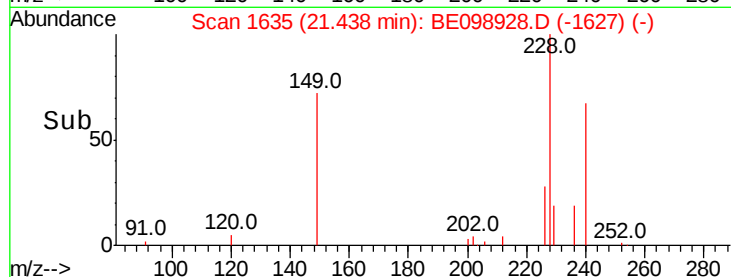
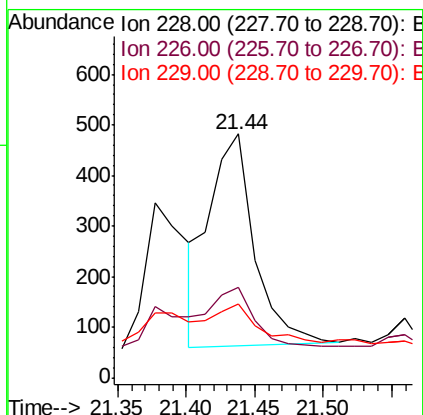
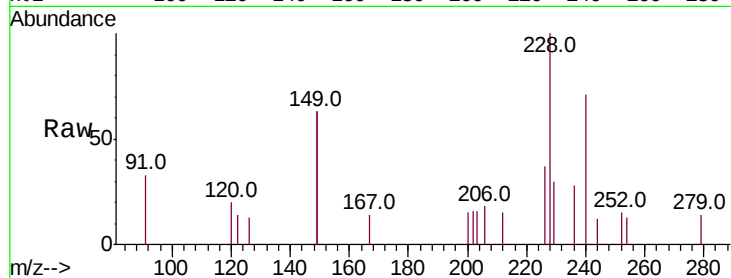
Tot Ion:228 Resp: 958

Ion Ratio Lower Upper

228 100

226 37.1 23.7 35.5#

229 30.3 16.1 24.1#



#32

Bis(2-ethylhexyl)phthalate

Concen: 0.049 ng

RT: 21.29 min Scan# 1623

Delta R.T. -0.01 min

Lab File: BE098928.D

Acq: 14 Mar 2019 2:31

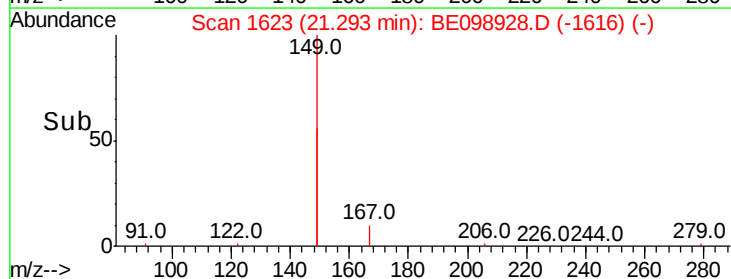
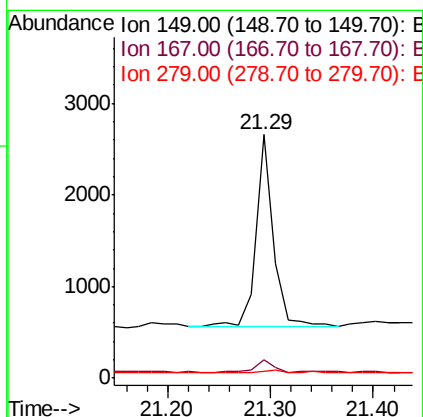
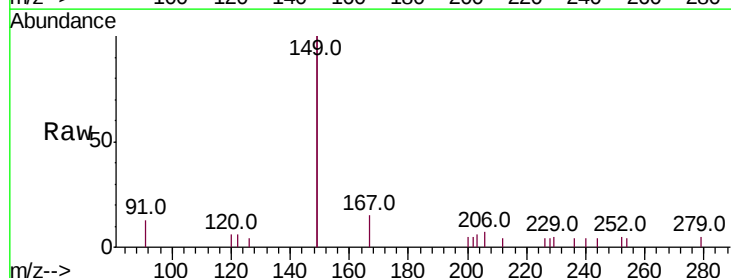
Tgt Ion:149 Resp: 2522

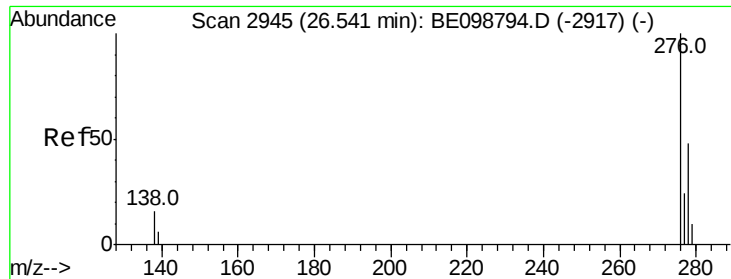
Ion Ratio Lower Upper

149 100

167 6.9 5.4 8.0

279 1.7 1.0 1.4#

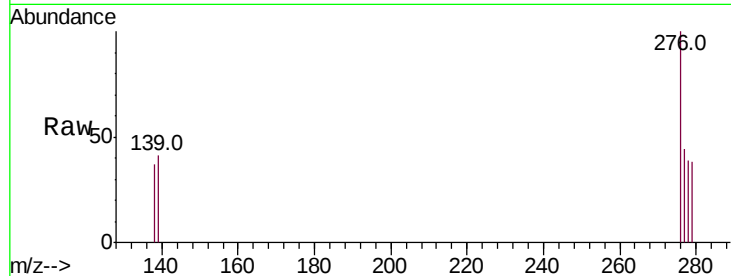




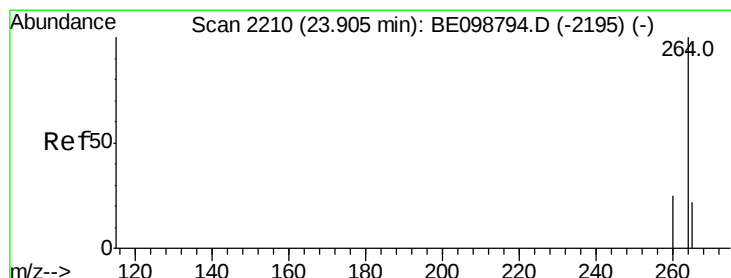
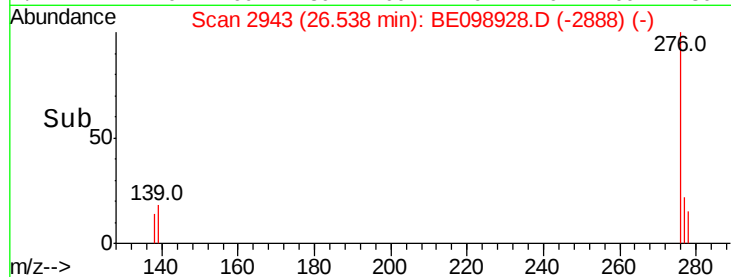
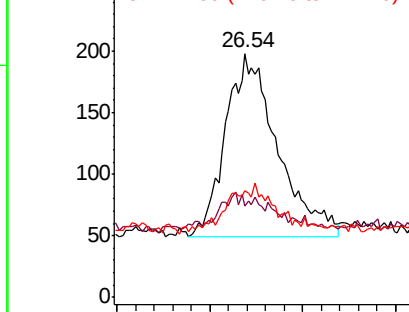
#33
Indeno(1,2,3-cd)pyrene
Concen: 0.021 ng
RT: 26.54 min Scan# 2943
Delta R.T. -0.00 min
Lab File: BE098928.D
Acq: 14 Mar 2019 2:31

Instrument :
BNA_E
ClientSampleId :
BP-TT-AOC22-MW07-20190311

Tot Ion:276 Resp: 580
Ion Ratio Lower Upper
276 100
138 9.1 13.8 20.8#
277 7.8 19.5 29.3#

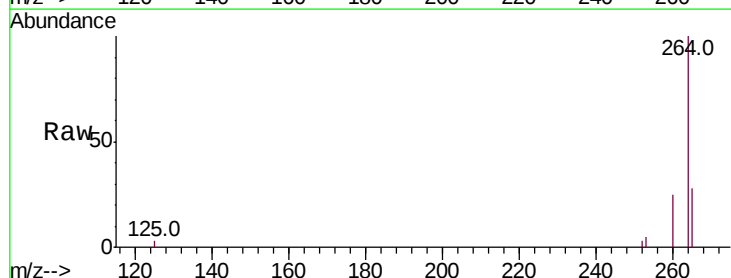


Abundance Ion 276.00 (275.70 to 276.70): E
Ion 138.00 (137.70 to 138.70): E
Ion 277.00 (276.70 to 277.70): E

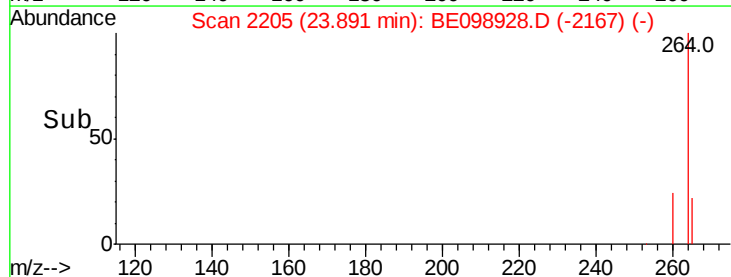
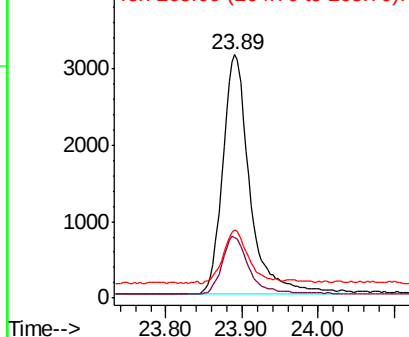


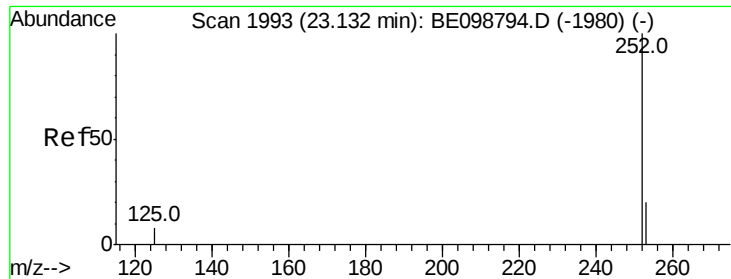
#34
Perylene-d12
Concen: 0.400 ng
RT: 23.89 min Scan# 2205
Delta R.T. -0.01 min
Lab File: BE098928.D
Acq: 14 Mar 2019 2:31

Tgt Ion:264 Resp: 7687
Ion Ratio Lower Upper
264 100
260 25.1 21.2 31.8
265 27.9 24.6 36.8



Abundance Ion 264.00 (263.70 to 264.70): E
Ion 260.00 (259.70 to 260.70): E
Ion 265.00 (264.70 to 265.70): E

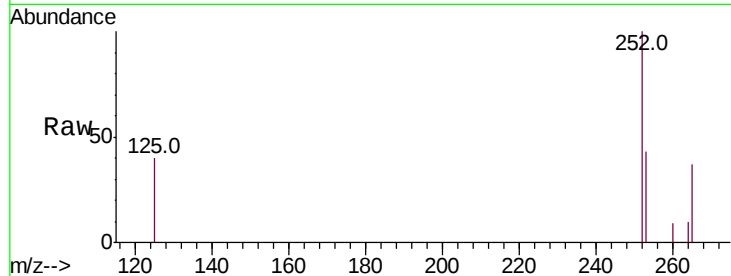




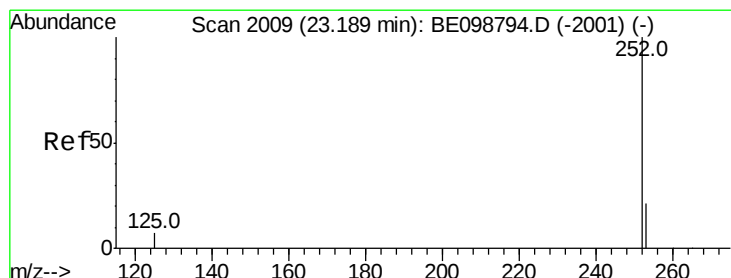
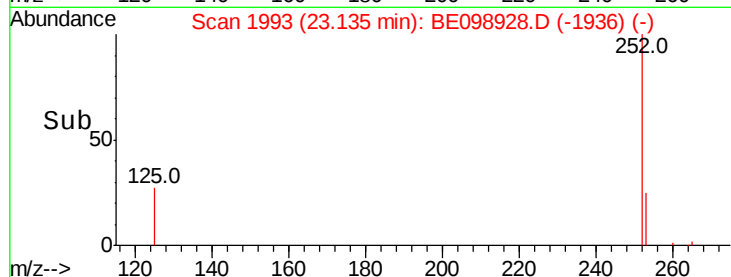
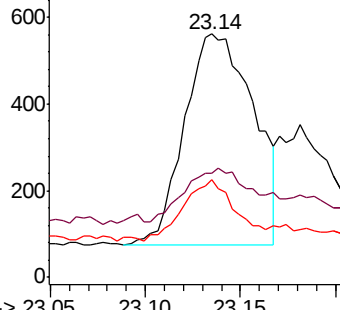
#35
Benzo(b)fluoranthene
Concen: 0.049 ng
RT: 23.14 min Scan# 1993
Delta R.T. 0.00 min
Lab File: BE098928.D
Acq: 14 Mar 2019 2:31

Instrument :
BNA_E
ClientSampleId :
BP-TT-AOC22-MW07-20190311

Tot Ion:252 Resp: 1238
Ion Ratio Lower Upper
252 100
253 42.7 18.2 27.2#
125 39.9 7.3 10.9#

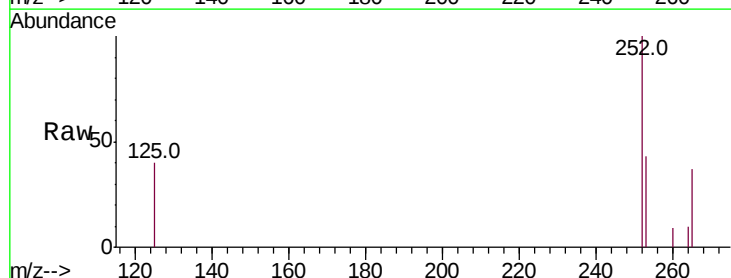


Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E

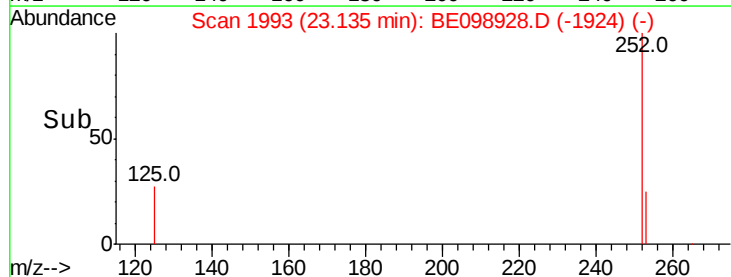
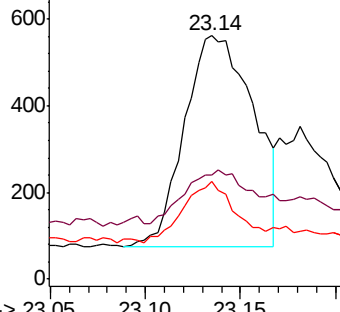


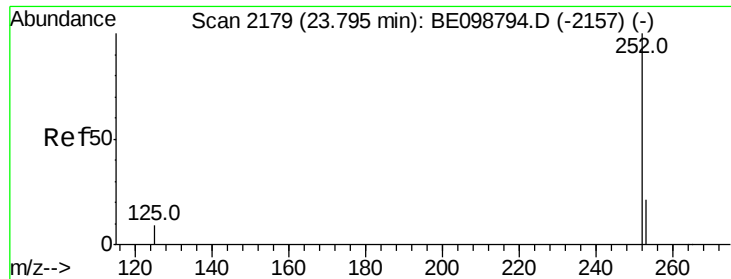
#36
Benzo(k)fluoranthene
Concen: 0.047 ng
RT: 23.14 min Scan# 1993
Delta R.T. -0.05 min
Lab File: BE098928.D
Acq: 14 Mar 2019 2:31

Tgt Ion:252 Resp: 1238
Ion Ratio Lower Upper
252 100
253 42.7 19.3 28.9#
125 39.9 7.5 11.3#



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

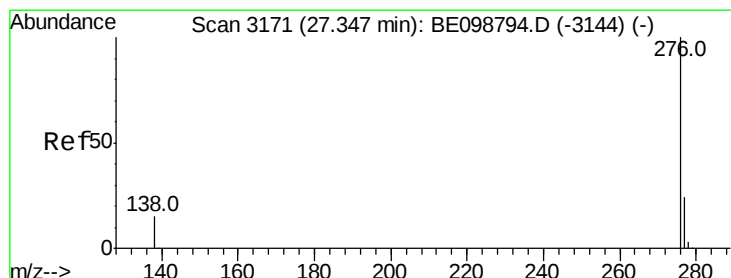
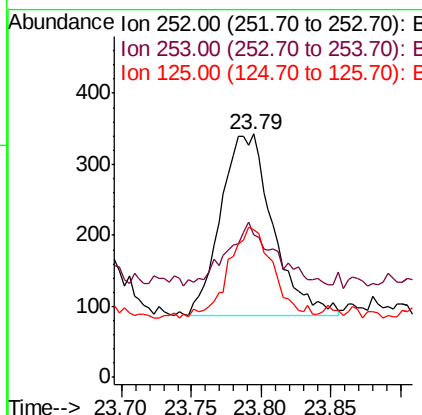
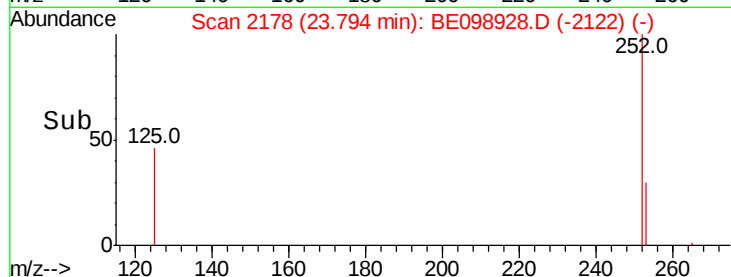
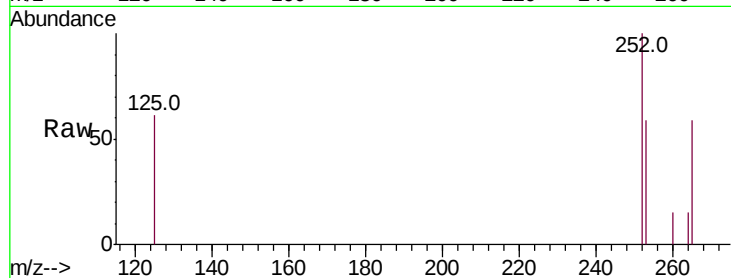




#37
Benzo(a)pyrene
Concen: 0.027 ng
RT: 23.79 min Scan# 2178
Delta R.T. -0.00 min
Lab File: BE098928.D
Acq: 14 Mar 2019 2:31

Instrument :
BNA_E
ClientSampleId :
BP-TT-AOC22-MW07-20190311

Tot Ion:252 Resp: 658
Ion Ratio Lower Upper
252 100
253 58.6 19.9 29.9#
125 60.6 9.0 13.4#



#39
Benzo(g,h,i)perylene
Concen: 0.025 ng
RT: 27.34 min Scan# 3168
Delta R.T. -0.01 min
Lab File: BE098928.D
Acq: 14 Mar 2019 2:31

Tgt Ion:276 Resp: 589
Ion Ratio Lower Upper
276 100
277 41.9 20.4 30.6#
138 38.9 13.6 20.4#

