

Data Path : Z:\SVOASRV\HPCHEM1\BNA_E\DATA\BE061219\
 Data File : BE099964.D
 Acq On : 12 Jun 2019 19:48
 Operator : JU/SJ
 Sample : K3280-06
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 BP-HN-MW29IR-20190608

Quant Time: Jun 13 04:10:42 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_E\METHODS\8270-SIM-BE061019.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Jun 10 14:57:20 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.79	152	866	0.40	ng	0.00
7) Naphthalene-d8	10.60	136	3097	0.40	ng	0.00
13) Acenaphthene-d10	14.47	164	2486	0.40	ng	0.00
19) Phenanthrene-d10	17.21	188	7541	0.40	ng	0.00
27) Chrysene-d12	21.39	240	10074	0.40	ng	-0.01
34) Perylene-d12	23.92	264	11586	0.40	ng	-0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Fluorophenol	5.36	112	419	0.18	ng	0.00
5) Phenol-d6	6.98	99	285	0.09	ng	0.00
8) Nitrobenzene-d5	8.99	82	1068	0.36	ng	0.03
11) 2-Methylnaphthalene-d10	12.21	152	1967	0.36	ng	0.00
14) 2,4,6-Tribromophenol	15.97	330	543	0.30	ng	0.00
15) 2-Fluorobiphenyl	13.09	172	4051	0.43	ng	-0.01
25) Fluoranthene-d10	19.24	212	38179	0.35	ng	-0.01
29) Terphenyl-d14	19.84	244	10831	0.60	ng	-0.01

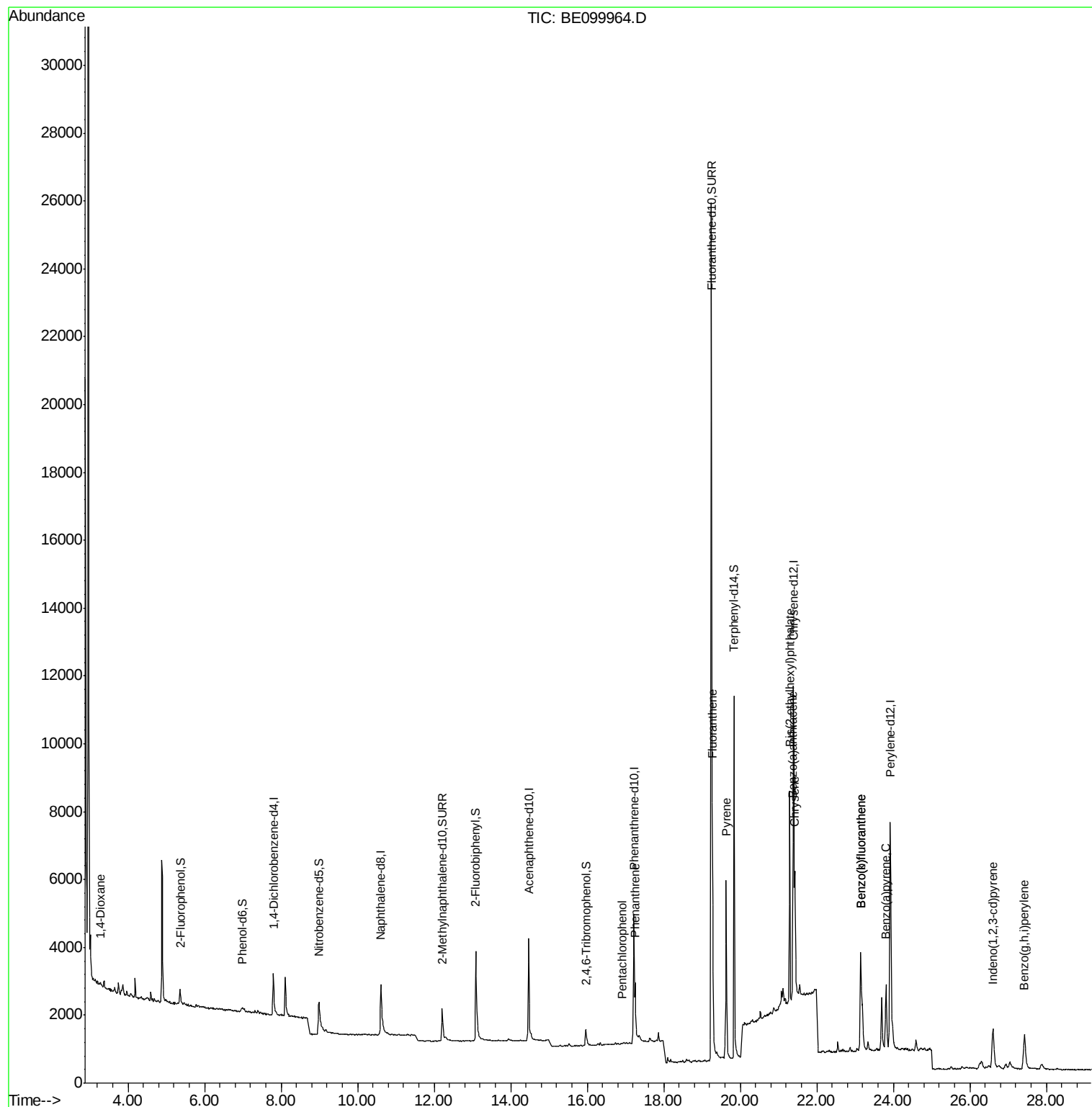
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) 1,4-Dioxane	3.27	88	130	0.101	ng	# 72
22) Pentachlorophenol	16.91	266	10	0.304	ng	84
23) Phenanthrene	17.25	178	1974	0.108	ng	99
26) Fluoranthene	19.27	202	6273	0.202	ng	98
28) Pyrene	19.63	202	5635	0.213	ng	# 96
30) Benzo(a)anthracene	21.38	228	3161	0.105	ng	# 93
31) Chrysene	21.43	228	3875	0.124	ng	94
32) Bis(2-ethylhexyl)phthalate	21.29	149	7271	0.168	ng	99
33) Indeno(1,2,3-cd)pyrene	26.60	276	2707	0.073	ng	98
35) Benzo(b)fluoranthene	23.15	252	5736	0.177	ng	# 75
36) Benzo(k)fluoranthene	23.15	252	5736	0.169	ng	# 74
37) Benzo(a)pyrene	23.81	252	3084	0.096	ng	# 59
39) Benzo(g,h,i)perylene	27.43	276	2930	0.088	ng	# 88

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

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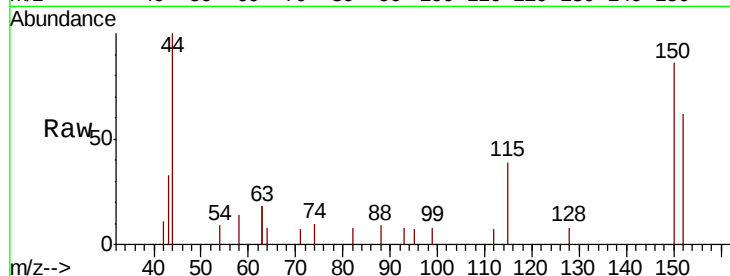


#1

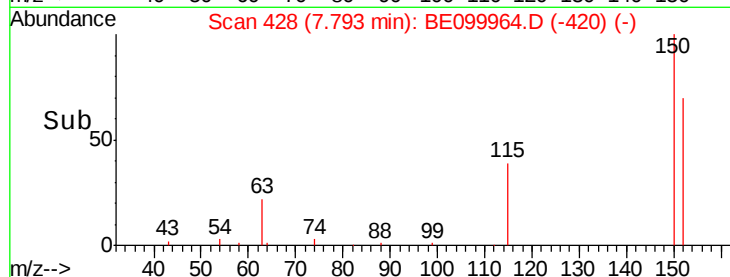
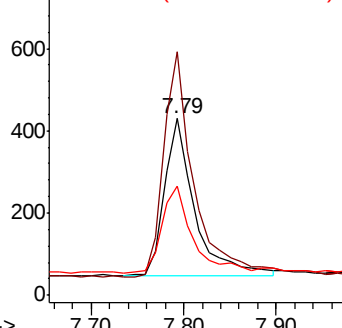
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.79 min Scan# 428
Delta R.T. -0.00 min
Lab File: BE099964.D
Acq: 12 Jun 2019 19:48

Instrument :
BNA_E
ClientSampleId :
BP-HN-MW29IR-20190608

Tgt Ion: 152 Resp: 866
Ion Ratio Lower Upper
152 100
150 138.0 111.0 166.6
115 62.2 50.7 76.1



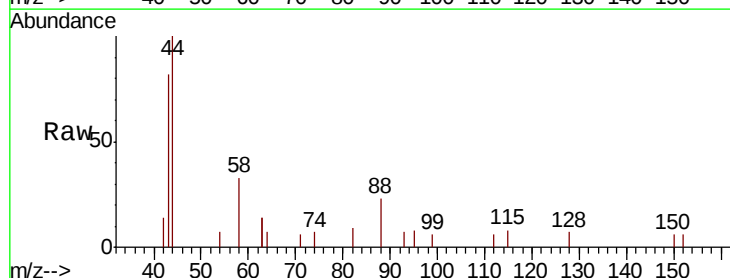
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



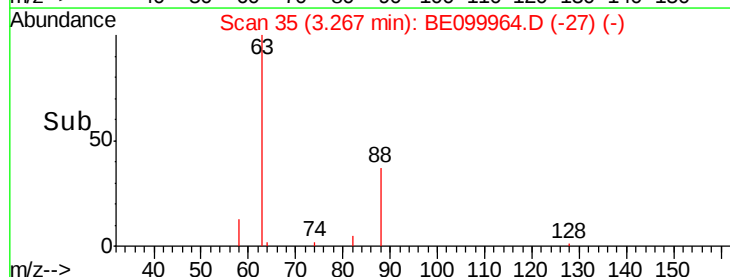
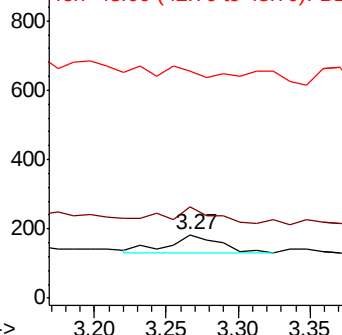
#2

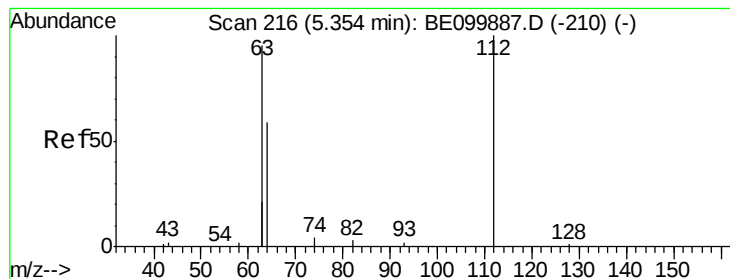
1,4-Dioxane
Concen: 0.101 ng
RT: 3.27 min Scan# 35
Delta R.T. -0.00 min
Lab File: BE099964.D
Acq: 12 Jun 2019 19:48

Tgt Ion: 88 Resp: 130
Ion Ratio Lower Upper
88 100
58 76.2 48.8 73.2#
43 0.0 19.0 28.6#



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: 0.179 ng

RT: 5.36 min Scan# 217

Delta R.T. 0.01 min

Lab File: BE099964.D

Acq: 12 Jun 2019 19:48

Instrument :

BNA_E

ClientSampleId :

BP-HN-MW29IR-20190608

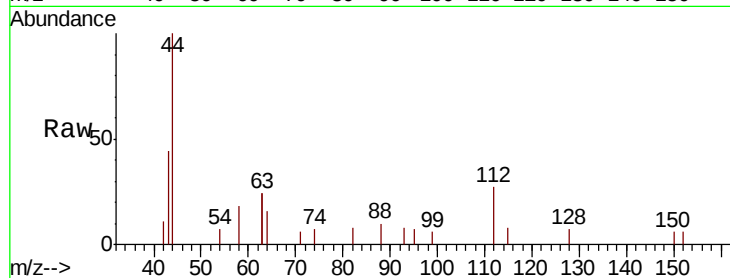
Tgt Ion: 112 Resp: 419

Ion Ratio Lower Upper

112 100

64 47.5 44.1 66.1

63 124.1 87.8 131.6



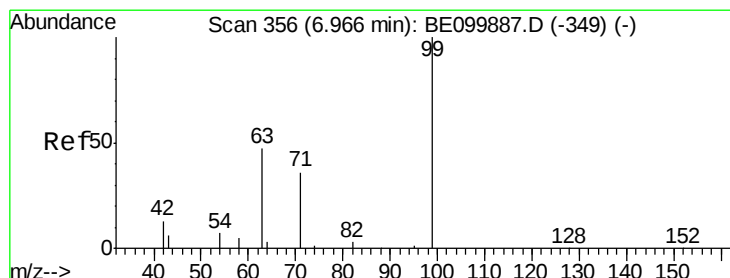
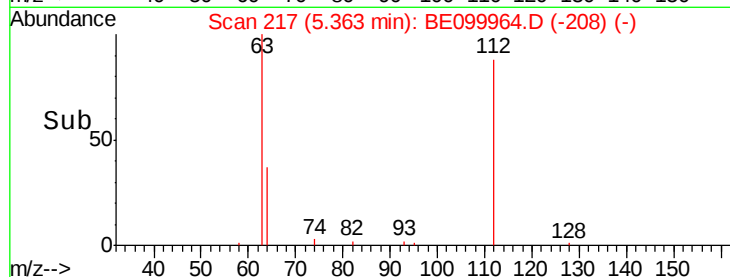
Abundance Ion 112.00 (111.70 to 112.70): BE0

Ion 64.00 (63.70 to 64.70): BE0

Ion 63.00 (62.70 to 63.70): BE0

5.36

Time--> 5.20 5.30 5.40 5.50 5.60



#5

Phenol-d6

Concen: 0.095 ng

RT: 6.98 min Scan# 357

Delta R.T. 0.01 min

Lab File: BE099964.D

Acq: 12 Jun 2019 19:48

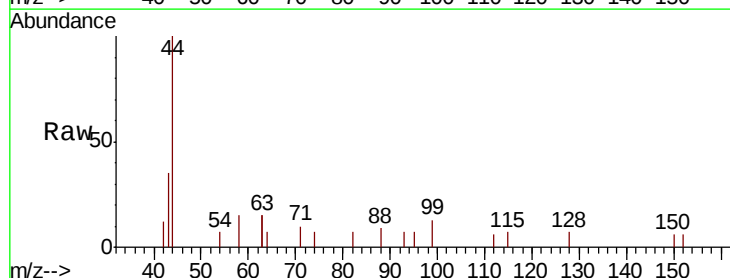
Tgt Ion: 99 Resp: 285

Ion Ratio Lower Upper

99 100

42 18.6 15.9 23.9

71 45.3 34.6 52.0



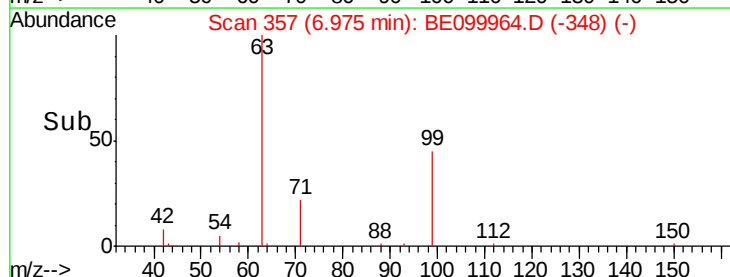
Abundance Ion 99.00 (98.70 to 99.70): BE0

Ion 42.00 (41.70 to 42.70): BE0

Ion 71.00 (70.70 to 71.70): BE0

6.98

Time--> 6.80 6.90 7.00 7.10 7.20





#7

Naphthalene-d8

Concen: 0.400 ng

RT: 10.60 min Scan# 649

Delta R.T. -0.00 min

Lab File: BE099964.D

Acq: 12 Jun 2019 19:48

Instrument :

BNA_E

ClientSampleId :

BP-HN-MW29IR-20190608

Tgt Ion: 136 Resp: 3097

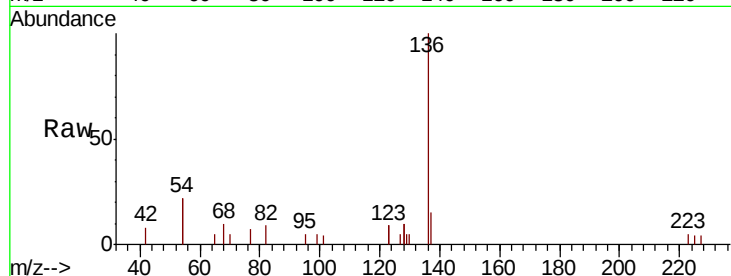
Ion Ratio Lower Upper

136 100

137 14.8 12.3 18.5

54 43.1 28.2 42.4#

68 10.5 7.8 11.8

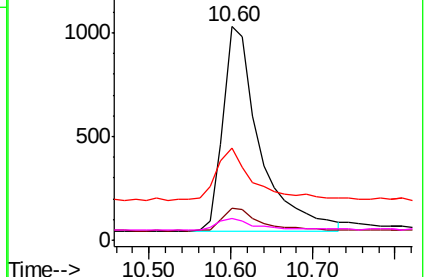
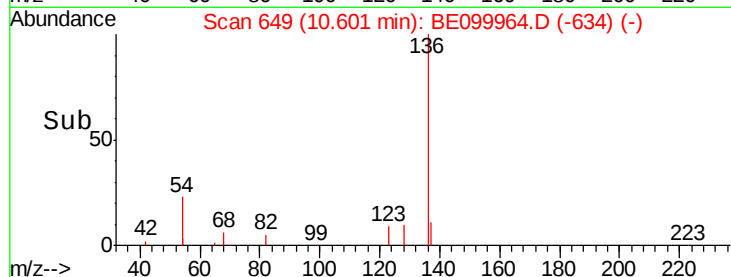


Abundance Ion 136.00 (135.70 to 136.70): E

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: 0.364 ng

RT: 8.99 min Scan# 525

Delta R.T. 0.03 min

Lab File: BE099964.D

Acq: 12 Jun 2019 19:48

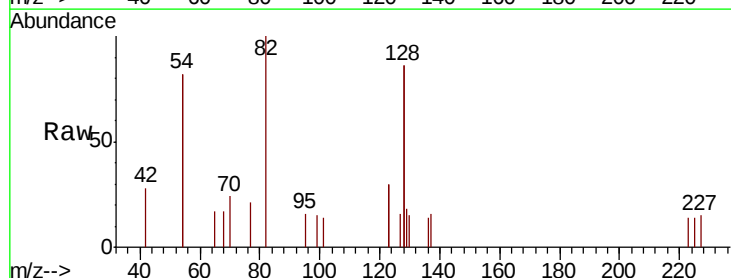
Tgt Ion: 82 Resp: 1068

Ion Ratio Lower Upper

82 100

128 172.3 137.3 205.9

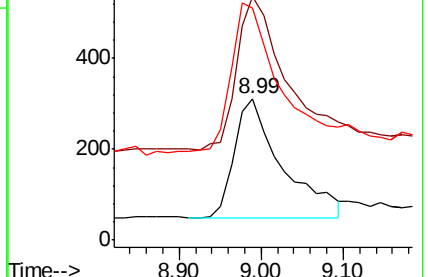
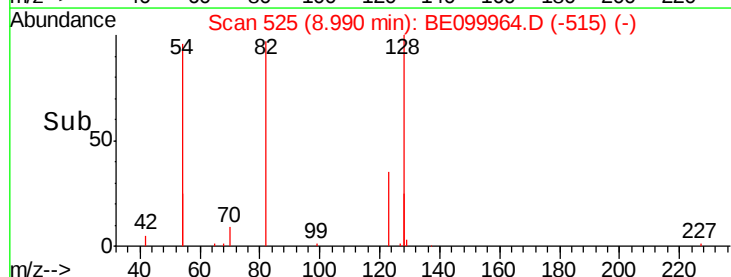
54 164.6 129.7 194.5

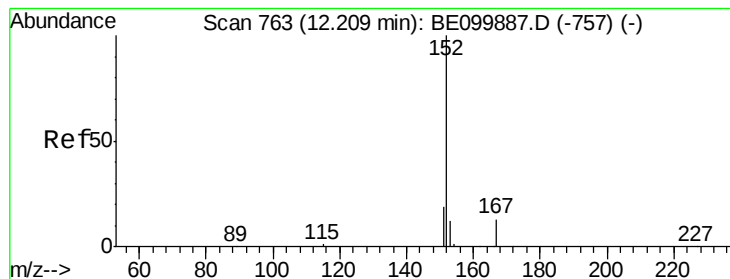


Abundance Ion 82.00 (81.70 to 82.70): BE0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BE0





#11

2-Methylnaphthalene-d10

Concen: 0.364 ng

RT: 12.21 min Scan# 763

Delta R.T. 0.00 min

Lab File: BE099964.D

Acq: 12 Jun 2019 19:48

Instrument :

BNA_E

ClientSampleId :

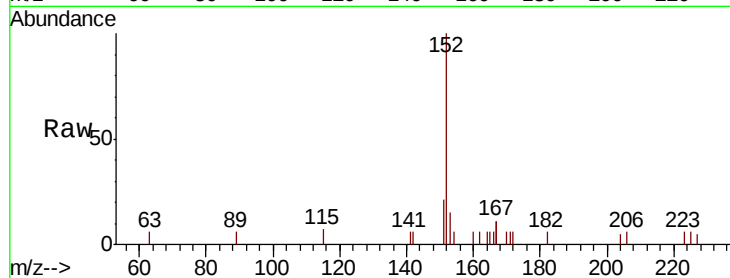
BP-HN-MW29IR-20190608

Tgt Ion:152 Resp: 1967

Ion Ratio Lower Upper

152 100

151 18.7 15.2 22.8



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

12.21

800

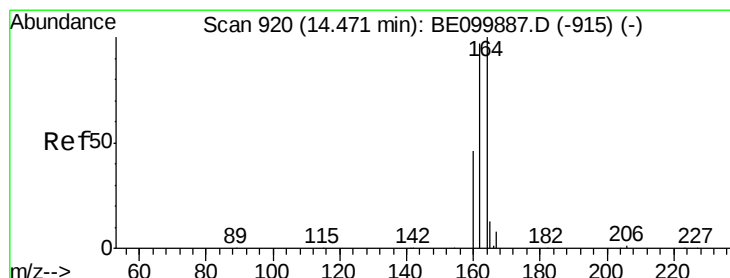
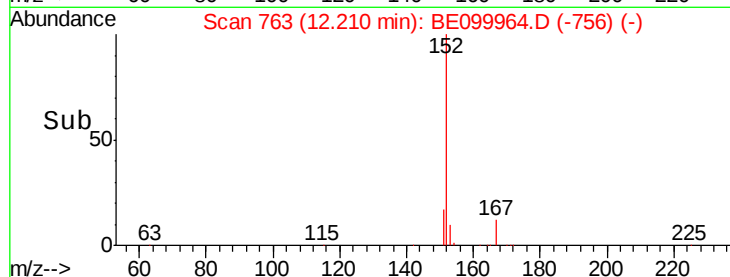
600

400

200

0

Time-->



#13

Acenaphthene-d10

Concen: 0.400 ng

RT: 14.47 min Scan# 920

Delta R.T. 0.00 min

Lab File: BE099964.D

Acq: 12 Jun 2019 19:48

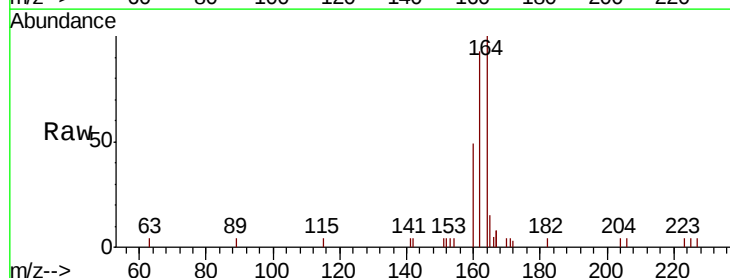
Tgt Ion:164 Resp: 2486

Ion Ratio Lower Upper

164 100

162 93.0 77.8 116.8

160 48.9 38.2 57.4



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

14.47

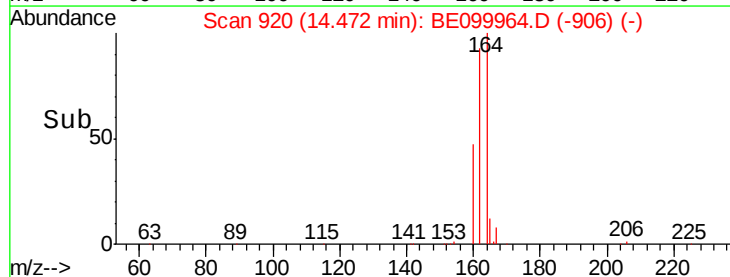
1500

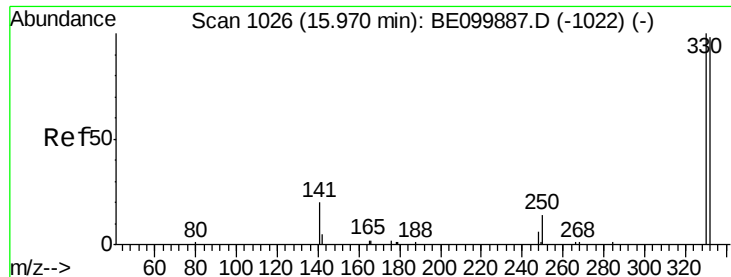
1000

500

0

Time-->





#14

2,4,6-Tribromophenol

Concen: 0.296 ng

RT: 15.97 min Scan# 1026

Delta R.T. -0.00 min

Lab File: BE099964.D

Acq: 12 Jun 2019 19:48

Instrument :

BNA_E

ClientSampleId :

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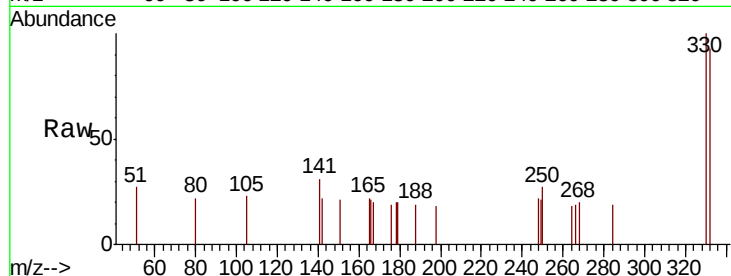
Tgt Ion:330 Resp: 543

Ion Ratio Lower Upper

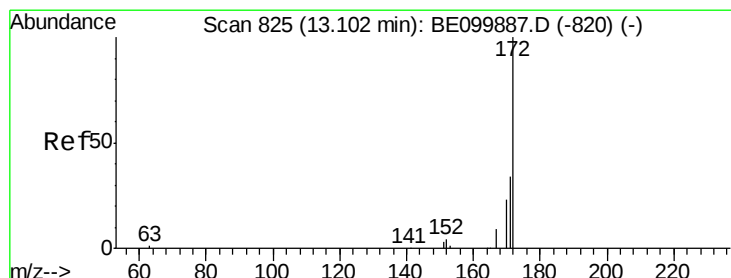
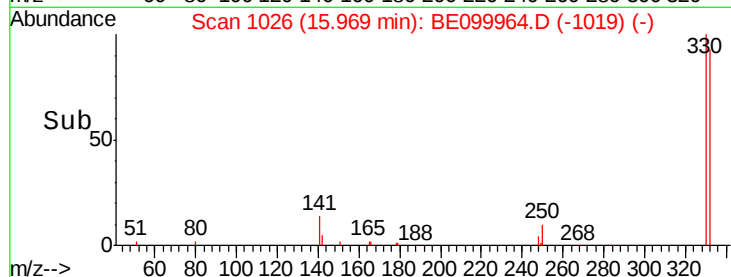
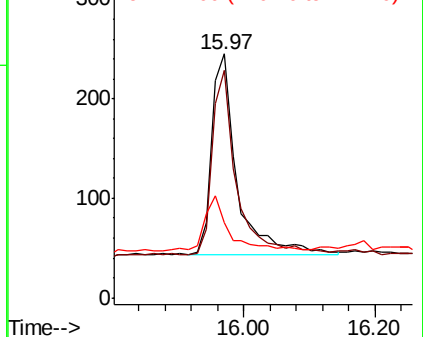
330 100

332 88.8 76.7 115.1

141 22.1 21.0 31.6



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



#15

2-Fluorobiphenyl

Concen: 0.430 ng

RT: 13.09 min Scan# 824

Delta R.T. -0.01 min

Lab File: BE099964.D

Acq: 12 Jun 2019 19:48

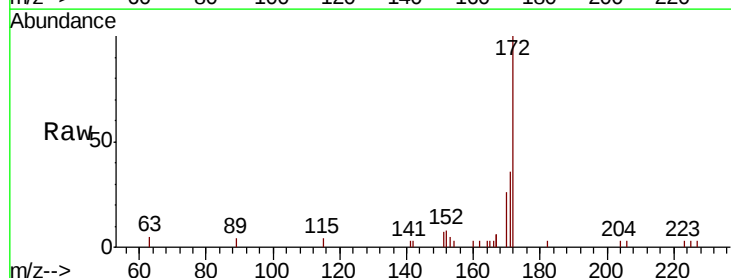
Tgt Ion:172 Resp: 4051

Ion Ratio Lower Upper

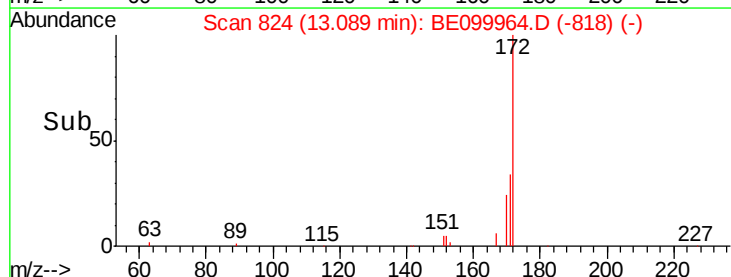
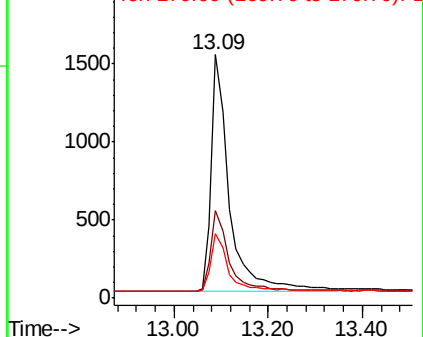
172 100

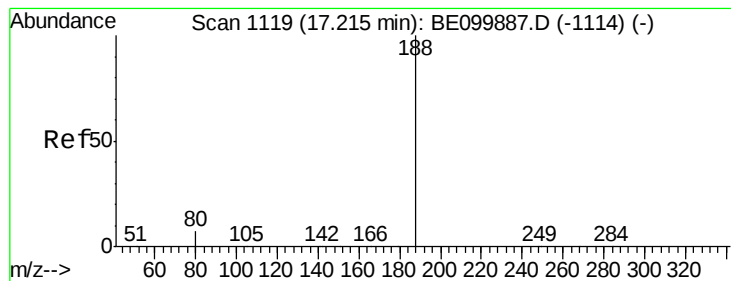
171 35.8 29.2 43.8

170 26.5 21.2 31.8



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: BE099964.D

Acq: 12 Jun 2019 19:48

Instrument :

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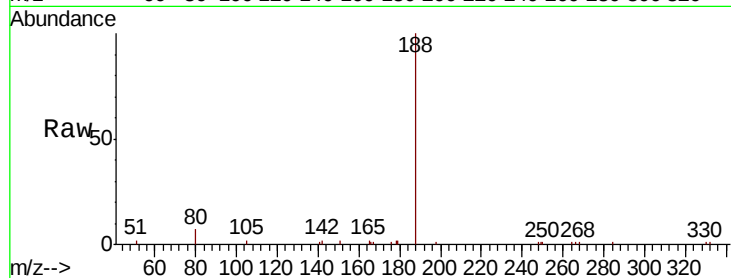
Tgt Ion:188 Resp: 7541

Ion Ratio Lower Upper

188 100

94 0.0 0.0 0.0

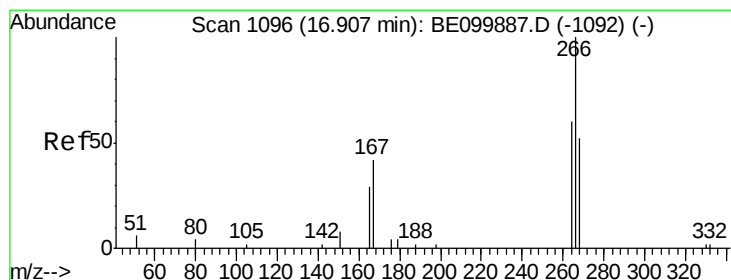
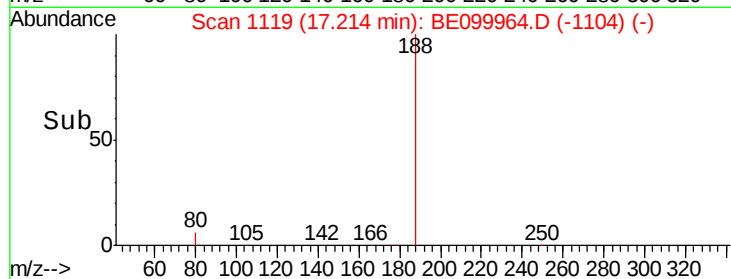
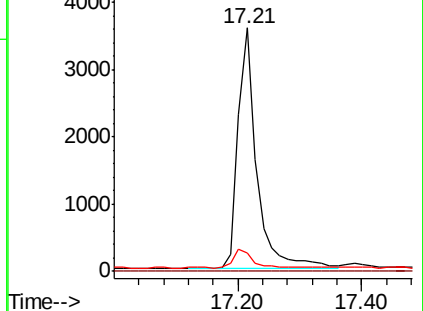
80 7.3 6.4 9.6



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: 0.304 ng

RT: 16.91 min Scan# 1096

Delta R.T. -0.00 min

Lab File: BE099964.D

Acq: 12 Jun 2019 19:48

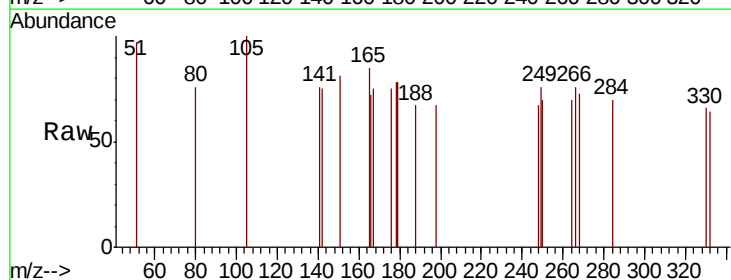
Tgt Ion:266 Resp: 10

Ion Ratio Lower Upper

266 100

264 92.2 62.2 93.2

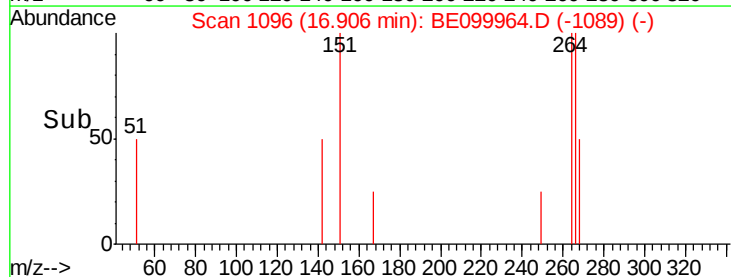
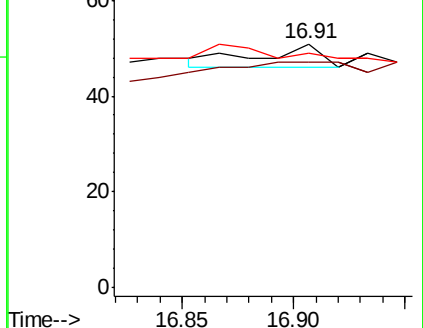
268 96.1 65.5 98.3

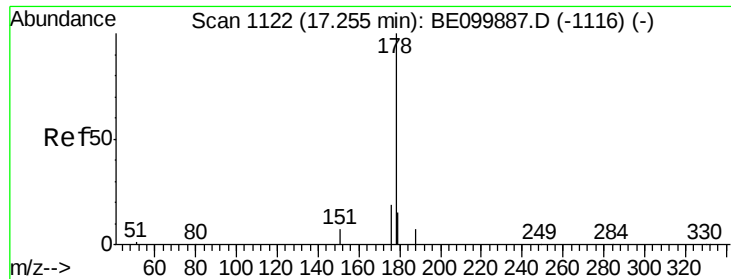


Abundance Ion 266.00 (265.70 to 266.70): E

Ion 264.00 (263.70 to 264.70): E

Ion 268.00 (267.70 to 268.70): E





#23

Phenanthrene

Concen: 0.108 ng

RT: 17.25 min Scan# 1122

Delta R.T. -0.00 min

Lab File: BE099964.D

Acq: 12 Jun 2019 19:48

Instrument :

BNA_E

ClientSampleId :

BP-HN-MW29IR-20190608

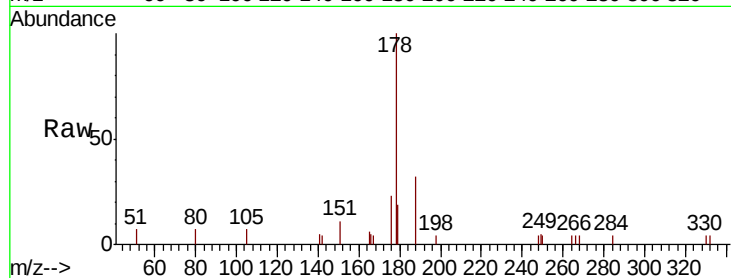
Tgt Ion:178 Resp: 1974

Ion Ratio Lower Upper

178 100

176 20.6 15.8 23.8

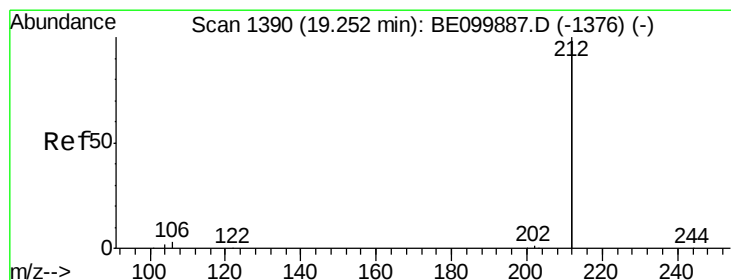
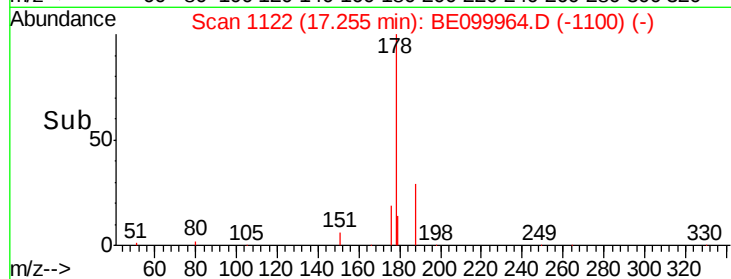
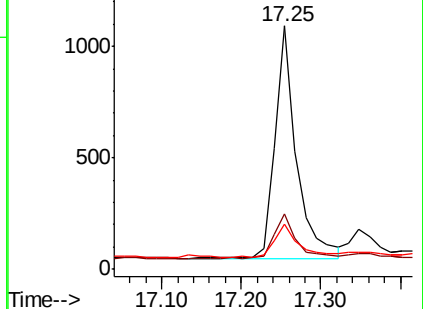
179 15.2 12.4 18.6



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: 0.347 ng

RT: 19.24 min Scan# 1388

Delta R.T. -0.01 min

Lab File: BE099964.D

Acq: 12 Jun 2019 19:48

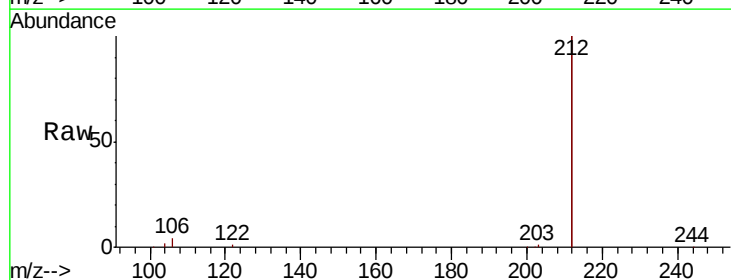
Tgt Ion:212 Resp: 38179

Ion Ratio Lower Upper

212 100

106 1.9 1.4 2.2

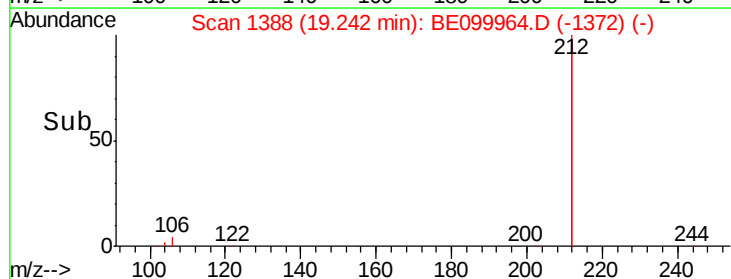
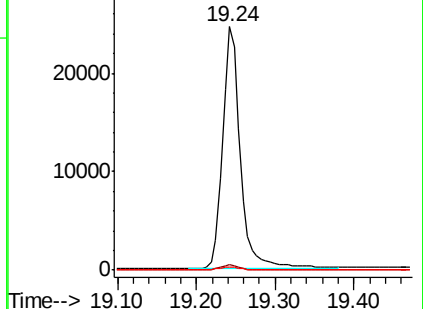
104 1.2 0.9 1.3

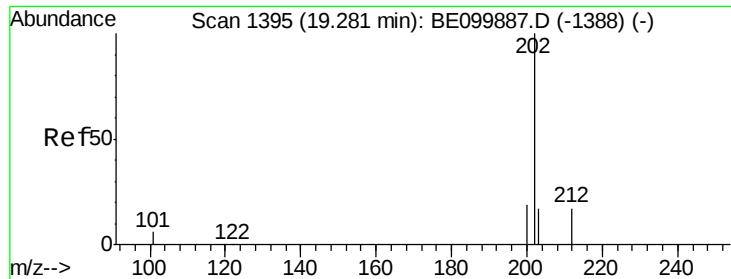


Abundance Ion 212.00 (211.70 to 212.70): E

Ion 106.00 (105.70 to 106.70): E

Ion 104.00 (103.70 to 104.70): E

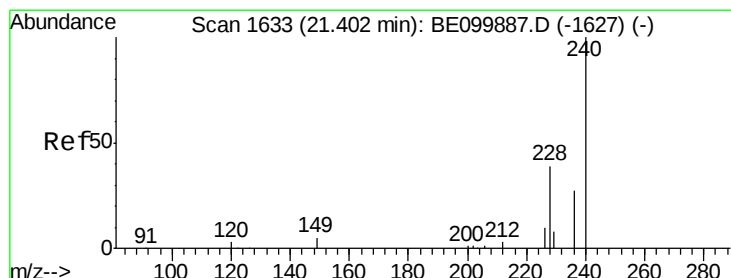
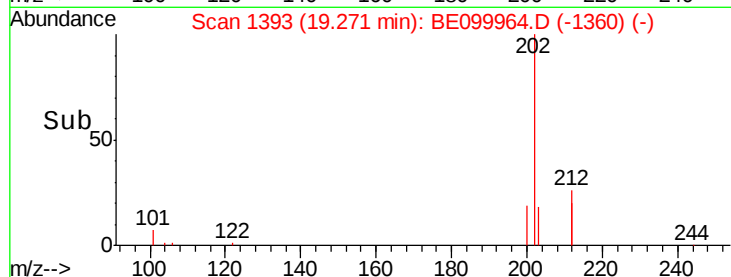
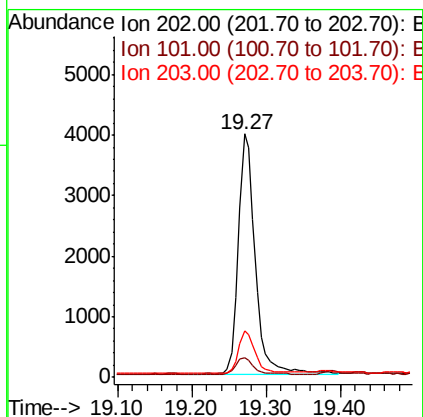
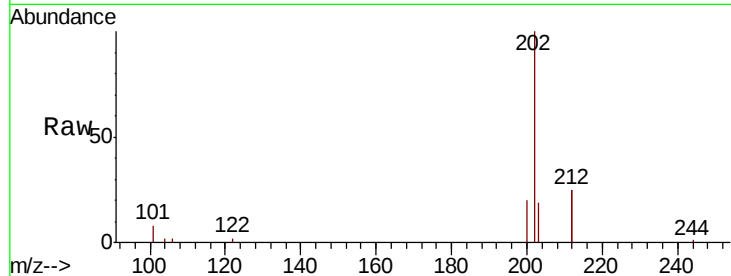




#26
Fluoranthene
Concen: 0.202 ng
RT: 19.27 min Scan# 1393
Delta R.T. -0.01 min
Lab File: BE099964.D
Acq: 12 Jun 2019 19:48

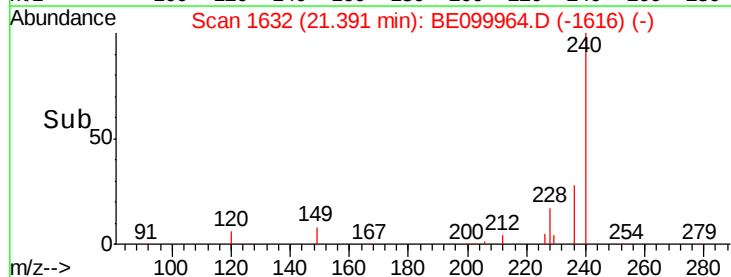
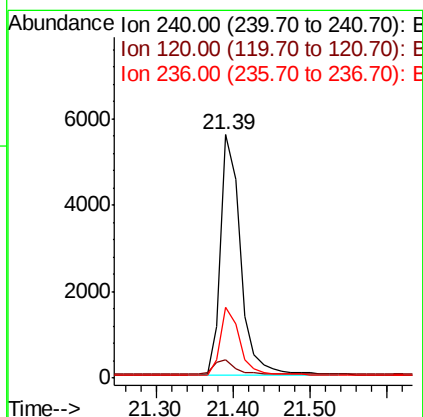
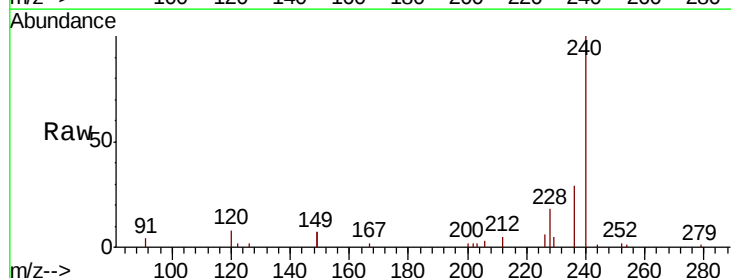
Instrument :
BNA_E
ClientSampleId :
BP-HN-MW29IR-20190608

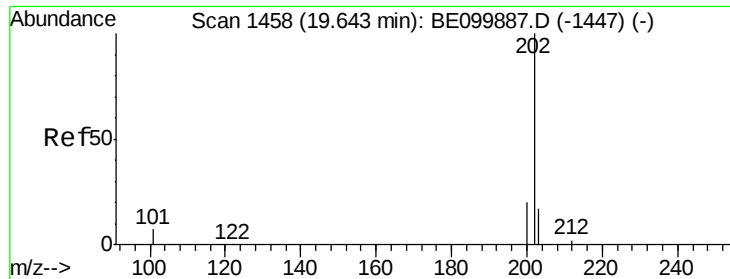
Tgt Ion: 202 Resp: 6273
Ion Ratio Lower Upper
202 100
101 7.3 5.4 8.0
203 17.1 13.2 19.8



#27
Chrysene-d12
Concen: 0.400 ng
RT: 21.39 min Scan# 1632
Delta R.T. -0.01 min
Lab File: BE099964.D
Acq: 12 Jun 2019 19:48

Tgt Ion: 240 Resp: 10074
Ion Ratio Lower Upper
240 100
120 7.6 3.8 5.6#
236 29.0 22.0 33.0

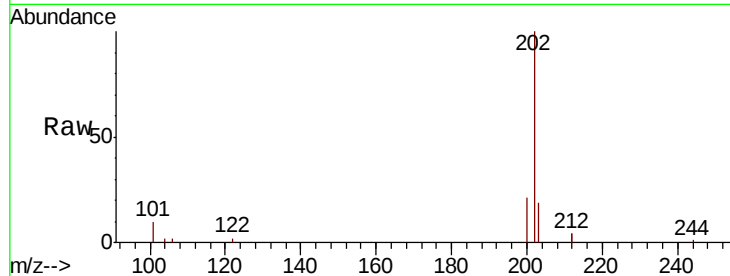




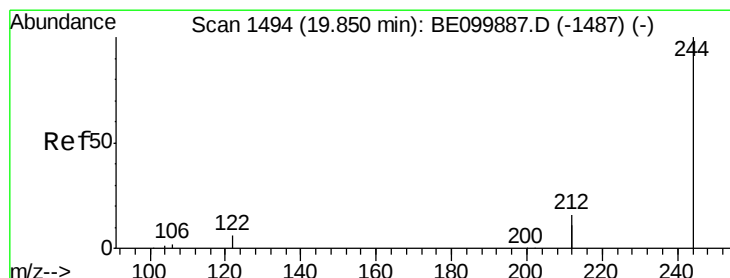
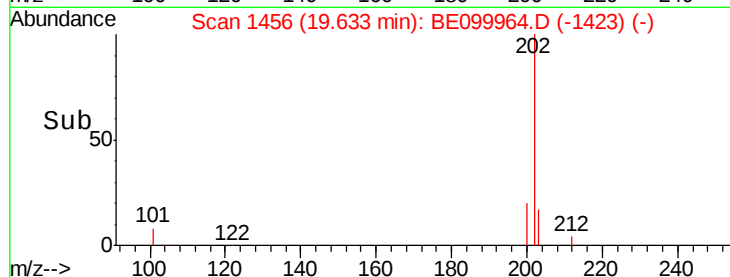
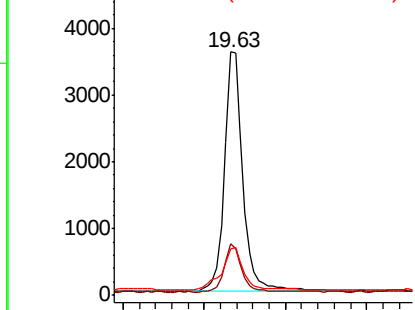
#28
 Pyrene
 Concen: 0.213 ng
 RT: 19.63 min Scan# 1456
 Delta R.T. -0.01 min
 Lab File: BE099964.D
 Acq: 12 Jun 2019 19:48

Instrument :
 BNA_E
 ClientSampleId :
 BP-HN-MW29IR-20190608

Tgt Ion: 202 Resp: 5635
 Ion Ratio Lower Upper
 202 100
 200 18.9 15.5 23.3
 203 21.1 14.0 21.0#

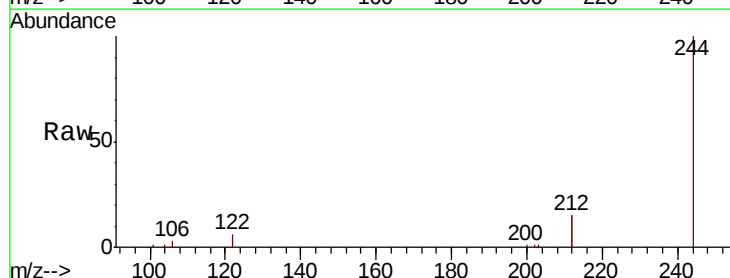


Abundance Ion 202.00 (201.70 to 202.70): E
 Ion 200.00 (199.70 to 200.70): E
 Ion 203.00 (202.70 to 203.70): E

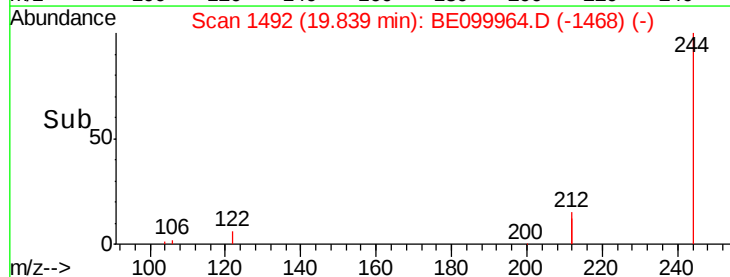
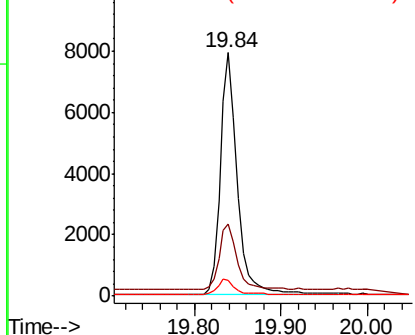


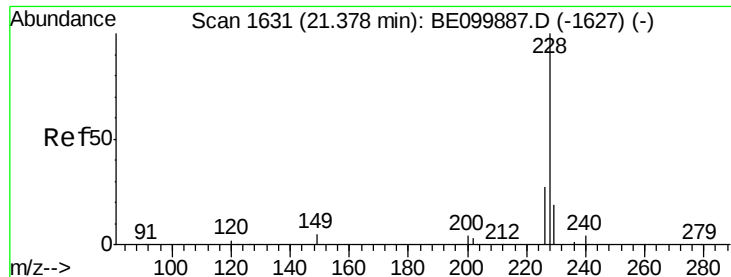
#29
 Terphenyl-d14
 Concen: 0.597 ng
 RT: 19.84 min Scan# 1492
 Delta R.T. -0.01 min
 Lab File: BE099964.D
 Acq: 12 Jun 2019 19:48

Tgt Ion: 244 Resp: 10831
 Ion Ratio Lower Upper
 244 100
 212 29.5 25.7 38.5
 122 6.3 5.5 8.3



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: 0.105 ng

RT: 21.38 min Scan# 1631

Delta R.T. 0.00 min

Lab File: BE099964.D

Acq: 12 Jun 2019 19:48

Instrument :

BNA_E

ClientSampleId :

BP-HN-MW29IR-20190608

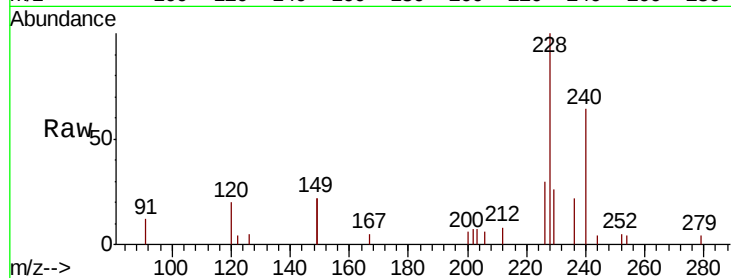
Tgt Ion:228 Resp: 3161

Ion Ratio Lower Upper

228 100

226 29.8 22.5 33.7

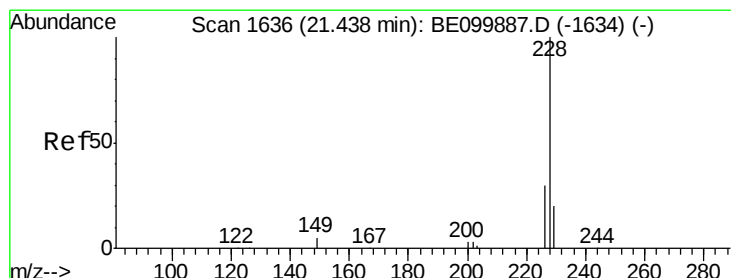
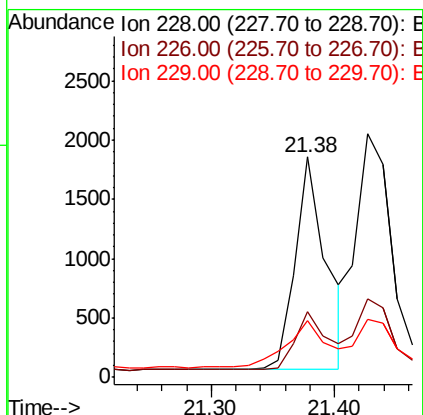
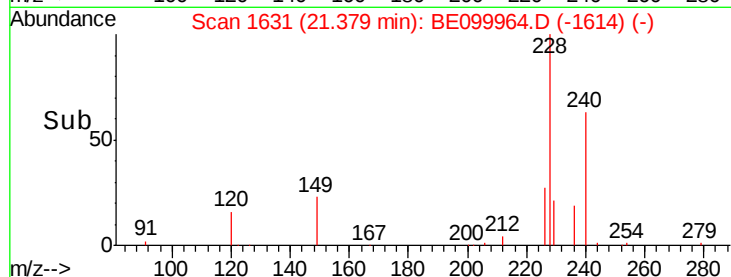
229 25.6 15.9 23.9#



Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#31

Chrysene

Concen: 0.124 ng

RT: 21.43 min Scan# 1635

Delta R.T. -0.01 min

Lab File: BE099964.D

Acq: 12 Jun 2019 19:48

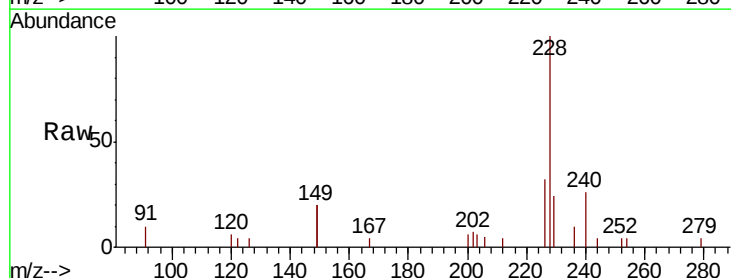
Tgt Ion:228 Resp: 3875

Ion Ratio Lower Upper

228 100

226 32.5 24.1 36.1

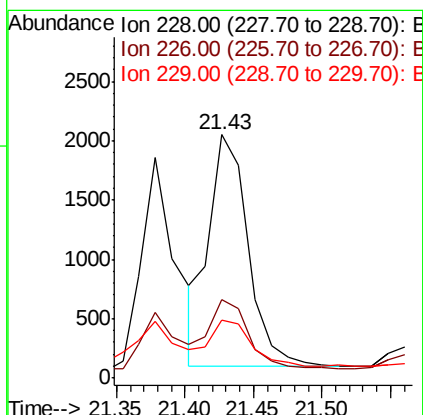
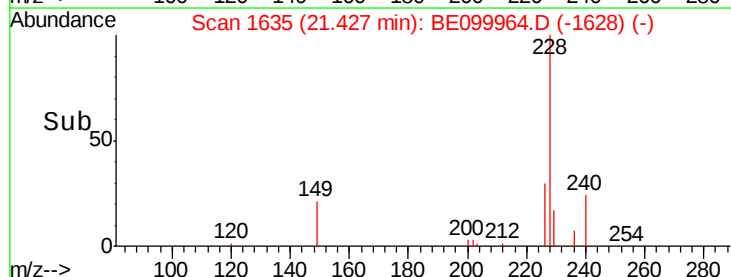
229 24.1 16.1 24.1

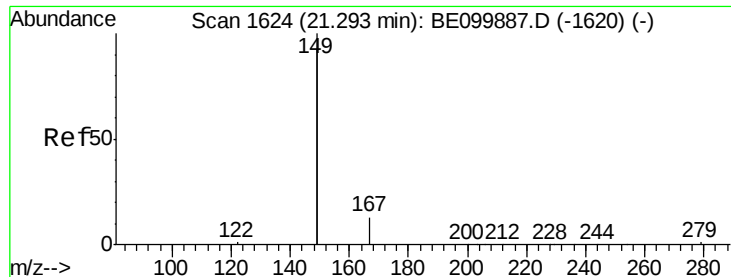


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#32

Bis(2-ethylhexyl)phthalate

Concen: 0.168 ng

RT: 21.29 min Scan# 1624

Delta R.T. 0.00 min

Lab File: BE099964.D

Acq: 12 Jun 2019 19:48

Instrument :

BNA_E

ClientSampleId :

BP-HN-MW29IR-20190608

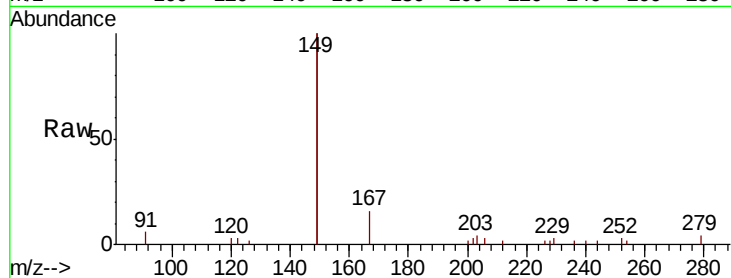
Tgt Ion:149 Resp: 7271

Ion Ratio Lower Upper

149 100

167 7.0 5.9 8.9

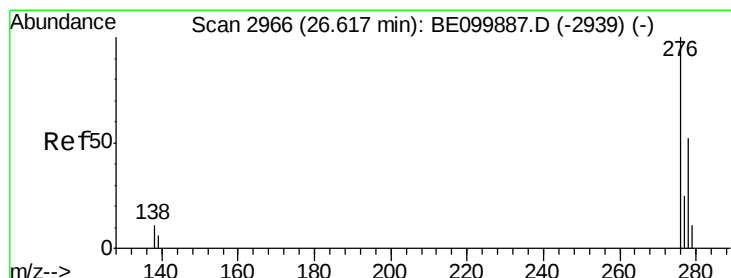
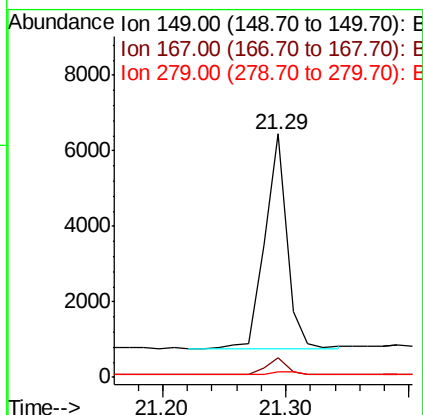
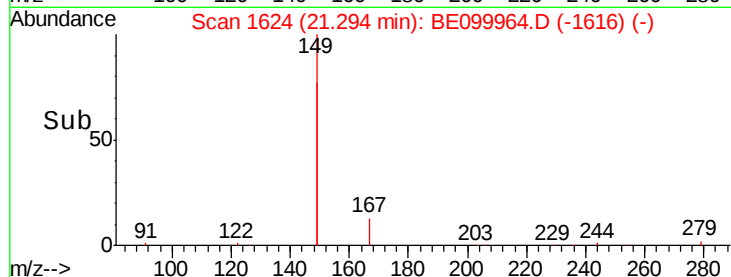
279 1.5 1.2 1.8



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: 0.073 ng

RT: 26.60 min Scan# 2962

Delta R.T. -0.02 min

Lab File: BE099964.D

Acq: 12 Jun 2019 19:48

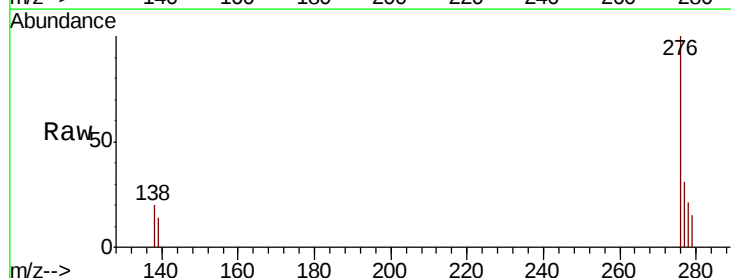
Tgt Ion:276 Resp: 2707

Ion Ratio Lower Upper

276 100

138 11.6 10.1 15.1

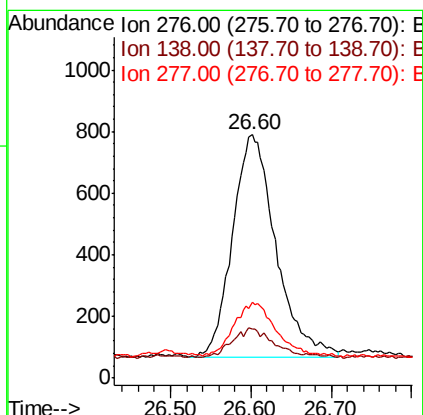
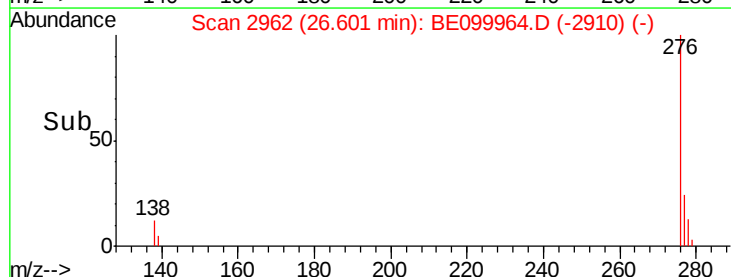
277 23.1 19.1 28.7

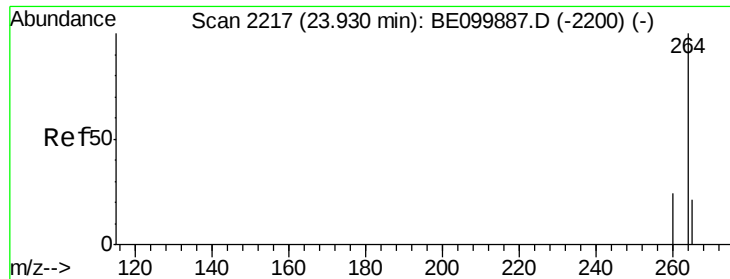


Abundance Ion 276.00 (275.70 to 276.70): E

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: 23.92 min Scan# 2214

Delta R.T. -0.01 min

Lab File: BE099964.D

Acq: 12 Jun 2019 19:48

Instrument :

BNA_E

ClientSampleId :

BP-HN-MW29IR-20190608

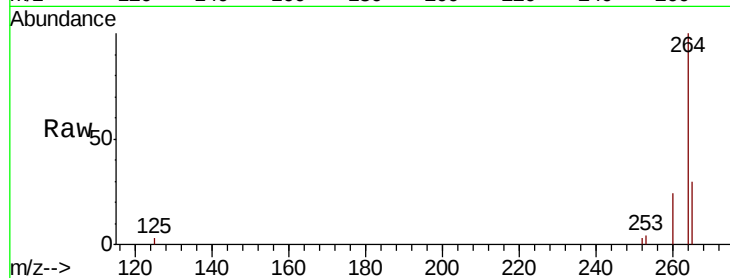
Tgt Ion: 264 Resp: 11586

Ion Ratio Lower Upper

264 100

260 24.4 20.2 30.2

265 29.6 22.0 33.0

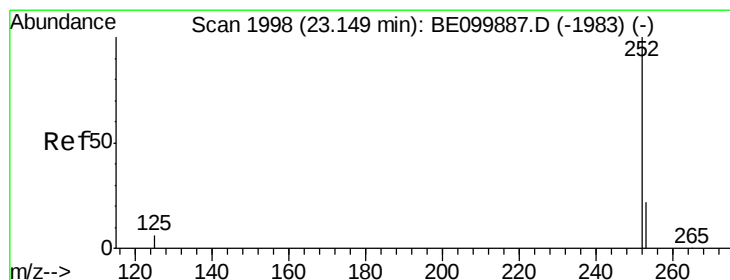
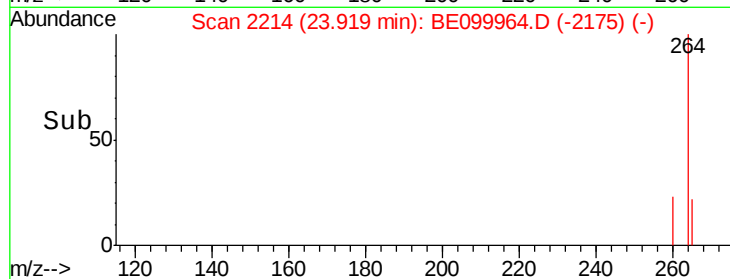
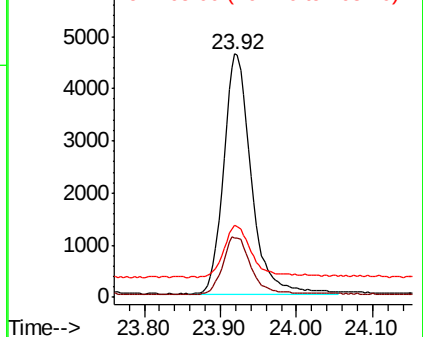


Abundance

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: 0.177 ng

RT: 23.15 min Scan# 1997

Delta R.T. -0.00 min

Lab File: BE099964.D

Acq: 12 Jun 2019 19:48

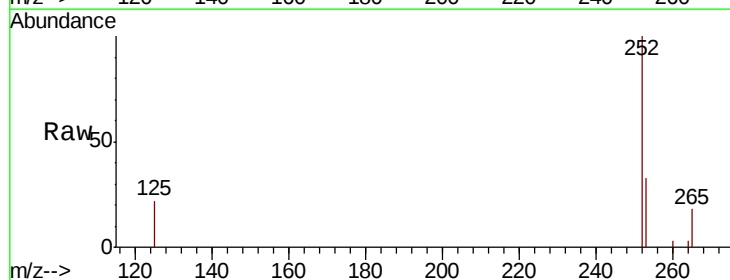
Tgt Ion: 252 Resp: 5736

Ion Ratio Lower Upper

252 100

253 32.9 18.7 28.1#

125 22.5 5.7 8.5#

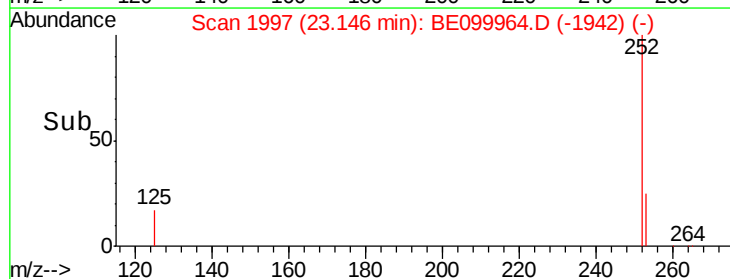
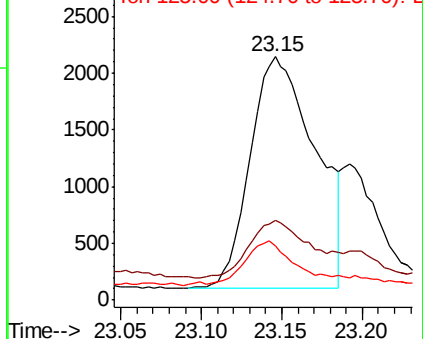


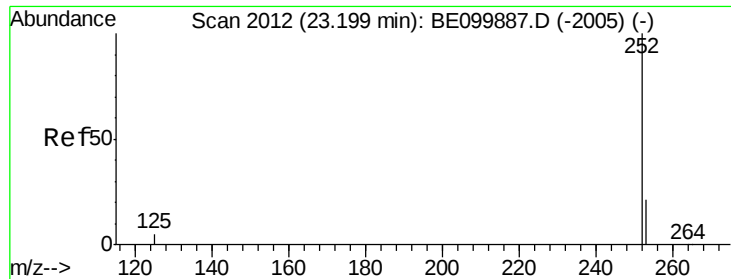
Abundance

Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#36

Benzo(k)fluoranthene

Concen: 0.169 ng

RT: 23.15 min Scan# 1997

Delta R.T. -0.05 min

Lab File: BE099964.D

Acq: 12 Jun 2019 19:48

Instrument :

BNA_E

ClientSampleId :

BP-HN-MW29IR-20190608

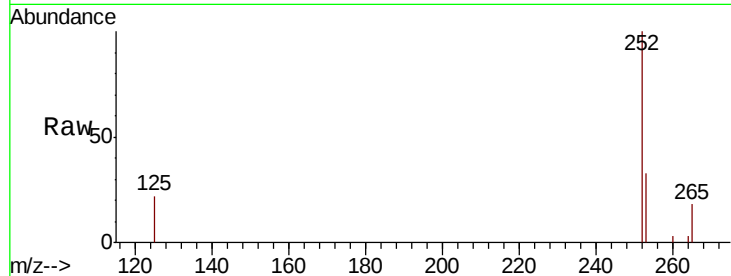
Tgt Ion: 252 Resp: 5736

Ion Ratio Lower Upper

252 100

253 32.9 18.6 28.0#

125 22.5 5.4 8.0#

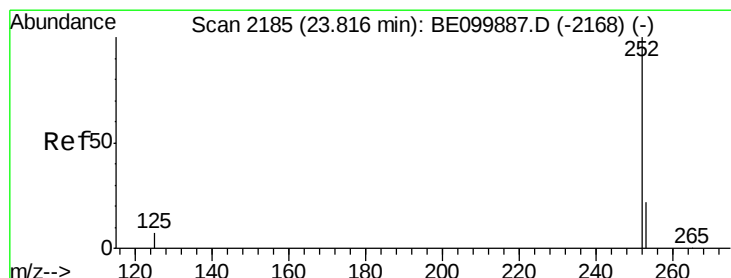
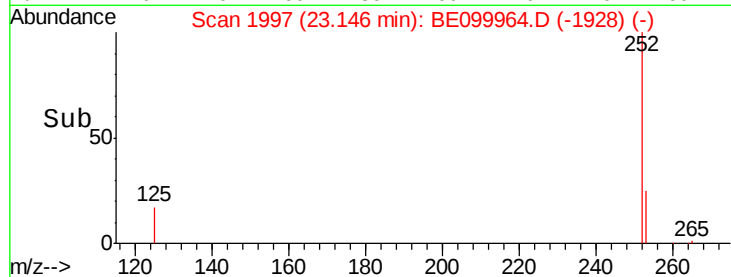
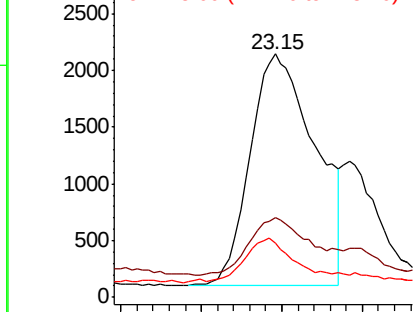


Abundance

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: 0.096 ng

RT: 23.81 min Scan# 2183

Delta R.T. -0.01 min

Lab File: BE099964.D

Acq: 12 Jun 2019 19:48

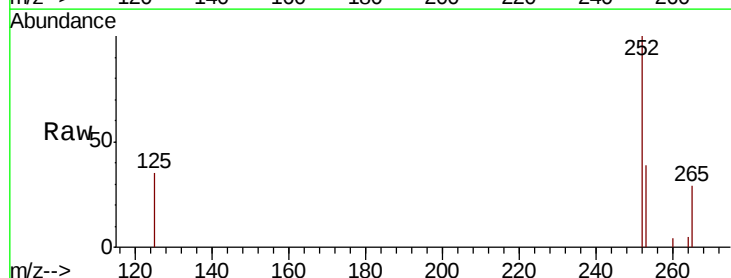
Tgt Ion: 252 Resp: 3084

Ion Ratio Lower Upper

252 100

253 39.3 19.6 29.4#

125 34.7 6.6 10.0#

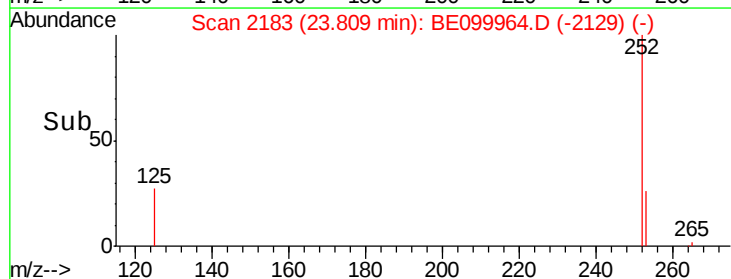
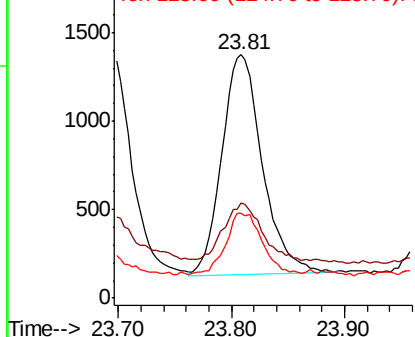


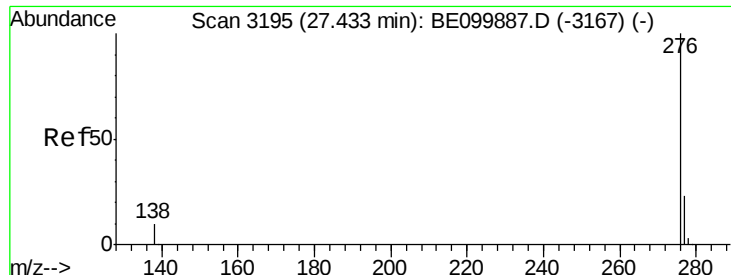
Abundance

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





#39

Benzo(g,h,i)perylene

Concen: 0.088 ng

RT: 27.43 min Scan# 3193

Delta R.T. -0.01 min

Lab File: BE099964.D

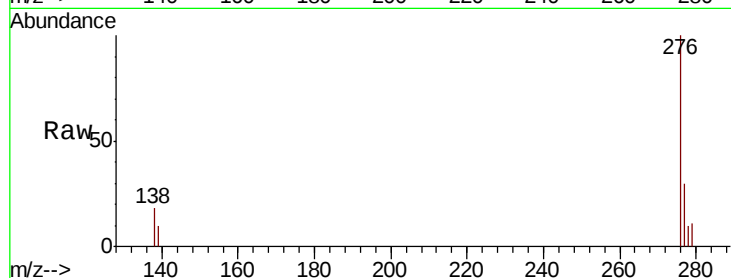
Acq: 12 Jun 2019 19:48

Instrument :

BNA_E

ClientSampleId :

BP-HN-MW29IR-20190608



Tgt Ion: 276 Resp: 2930

Ion Ratio Lower Upper

276 100

277 29.8 19.5 29.3#

138 17.6 9.5 14.3#

