

Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE031919\
 Data File : BE099061.D
 Acq On : 20 Mar 2019 7:40
 Operator : JU/SJ
 Sample : K1969-07
 Misc :
 ALS Vial : 30 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 BP-HN-MW29IR-20190316

Quant Time: Mar 20 08:45:28 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA E\METHODS\8270-SIM-BE030619.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Mar 15 05:31:33 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.78	152	683	0.40	ng	0.00
7) Naphthalene-d8	10.59	136	3048	0.40	ng	0.00
13) Acenaphthene-d10	14.46	164	2102	0.40	ng	0.00
19) Phenanthrene-d10	17.20	188	4687	0.40	ng	-0.01
27) Chrysene-d12	21.39	240	5771	0.40	ng	-0.01
34) Perylene-d12	23.88	264	5543	0.40	ng	-0.02

System Monitoring Compounds						
4) 2-Fluorophenol	5.40	112	373	0.18	ng	0.01
5) Phenol-d6	7.00	99	283	0.10	ng	0.01
8) Nitrobenzene-d5	8.98	82	1189	0.37	ng	0.01
11) 2-Methylnaphthalene-d10	12.19	152	2139	0.38	ng	0.00
14) 2,4,6-Tribromophenol	15.96	330	442	0.42	ng	-0.01
15) 2-Fluorobiphenyl	13.07	172	3891	0.45	ng	-0.01
25) Fluoranthene-d10	19.24	212	29540	0.39	ng	-0.01
29) Terphenyl-d14	19.83	244	5758	0.41	ng	-0.01

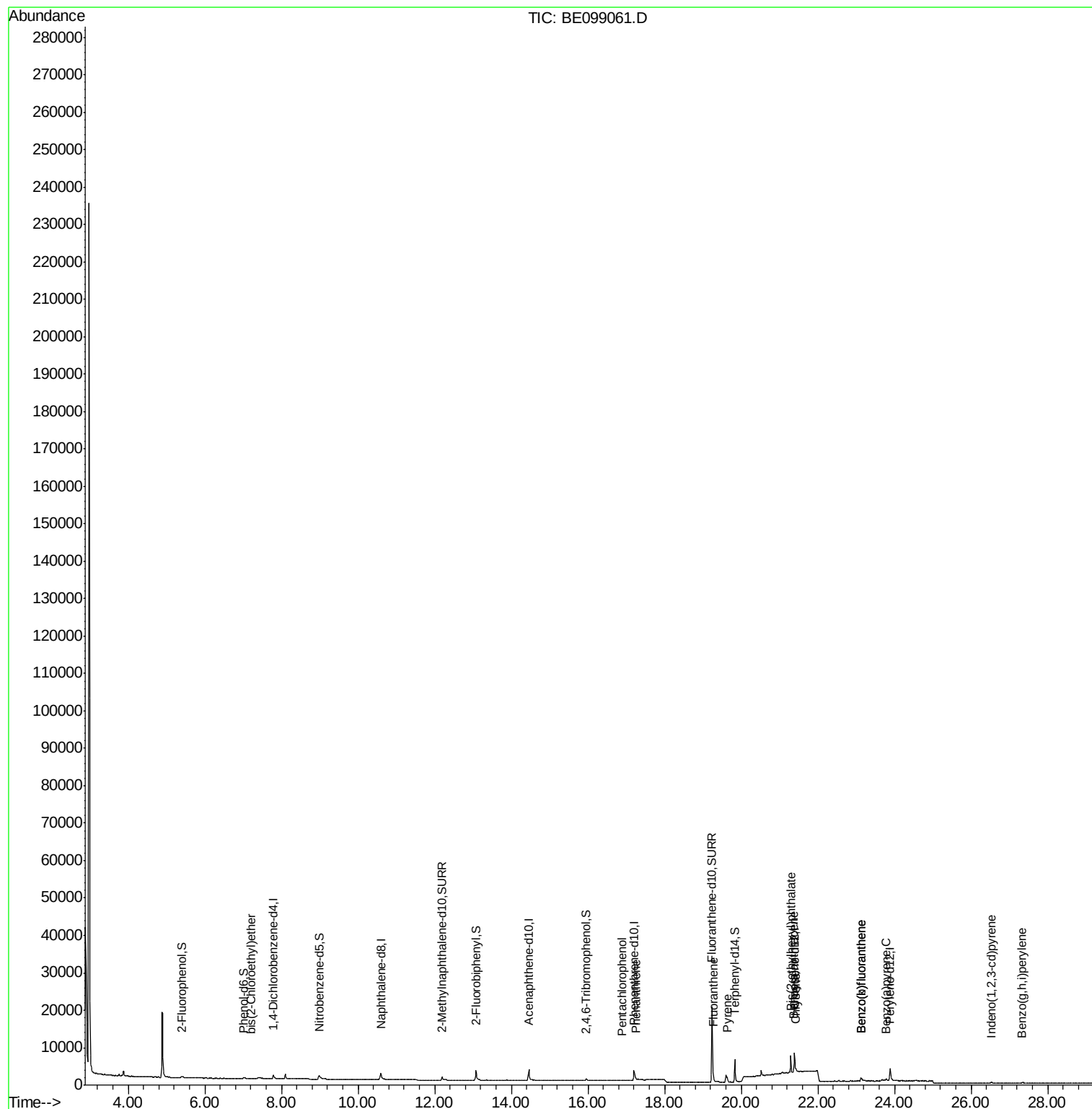
Target Compounds				Qvalue		
2) 1,4-Dioxane	3.28	88	100	Below Cal	#	67
6) bis(2-Chloroethyl)ether	7.21	93	49	0.022	ng	# 1
22) Pentachlorophenol	16.88	266	16	0.280	ng	# 89
23) Phenanthrene	17.24	178	596	0.045	ng	# 88
26) Fluoranthene	19.27	202	1543	0.082	ng	# 98
28) Pyrene	19.63	202	1329	0.075	ng	# 93
30) Benzo(a)anthracene	21.38	228	560	0.031	ng	# 68
31) Chrysene	21.43	228	736	0.038	ng	# 78
32) Bis(2-ethylhexyl)phthalate	21.29	149	4931	0.129	ng	# 99
33) Indeno(1,2,3-cd)pyrene	26.53	276	503	0.025	ng	# 58
35) Benzo(b)fluoranthene	23.14	252	1120	0.061	ng	# 11
36) Benzo(k)fluoranthene	23.14	252	1120	0.059	ng	# 15
37) Benzo(a)pyrene	23.78	252	636	0.036	ng	# 1
39) Benzo(g,h,i)perylene	27.34	276	549	0.032	ng	# 30

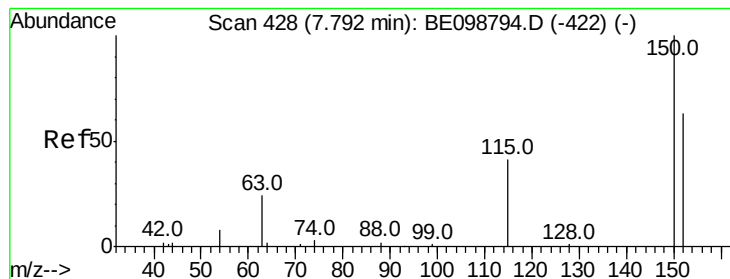
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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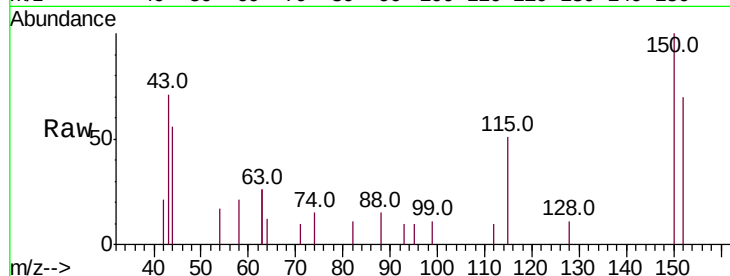


#1

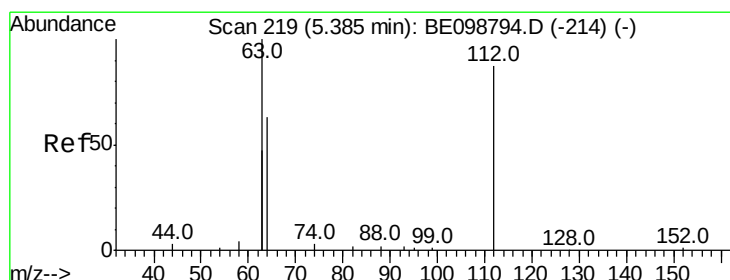
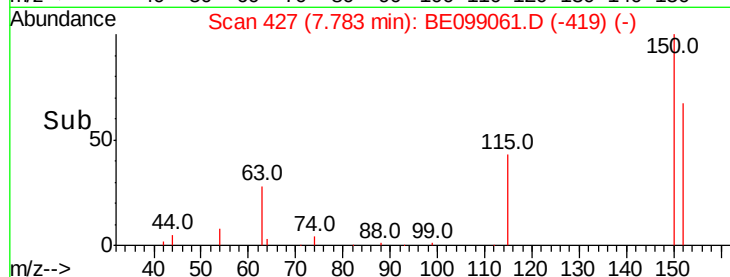
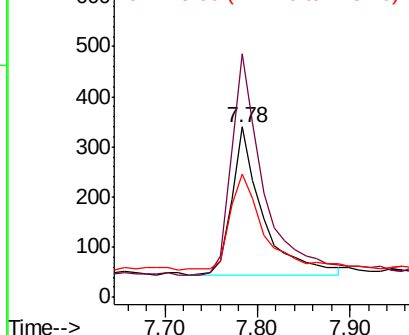
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.78 min Scan# 427
Delta R.T. -0.01 min
Lab File: BE099061.D
Acq: 20 Mar 2019 7:40

Instrument :
BNA_E
ClientSampleId :
BP-HN-MW29IR-20190316

Tot Ion:152 Resp: 683
Ion Ratio Lower Upper
152 100
150 142.9 122.5 183.7
115 72.4 57.4 86.2



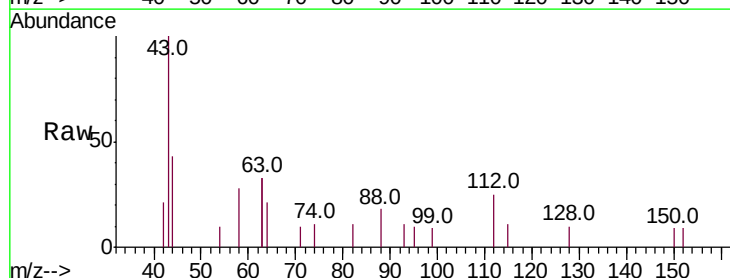
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



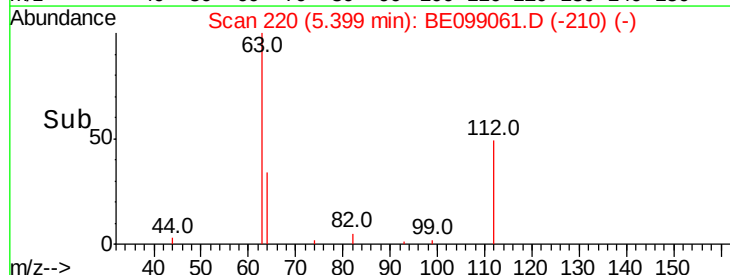
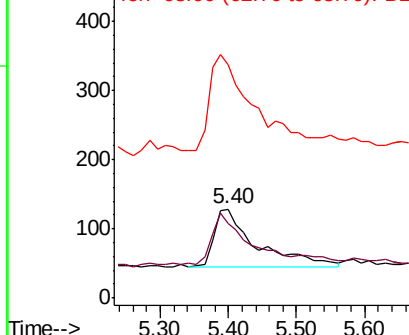
#4

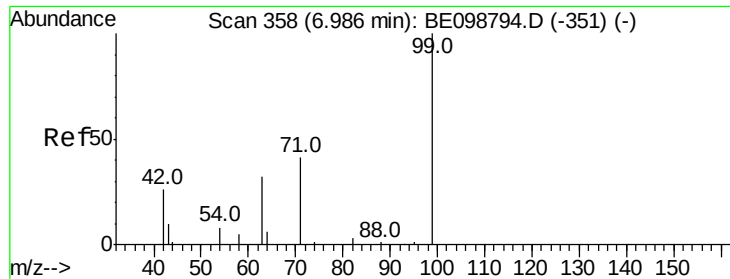
2-Fluorophenol
Concen: 0.183 ng
RT: 5.40 min Scan# 220
Delta R.T. 0.01 min
Lab File: BE099061.D
Acq: 20 Mar 2019 7:40

Tgt Ion:112 Resp: 373
Ion Ratio Lower Upper
112 100
64 71.6 57.9 86.9
63 168.1 158.3 237.5



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: 0.098 ng

RT: 7.00 min Scan# 359

Delta R.T. 0.01 min

Lab File: BE099061.D

Acq: 20 Mar 2019 7:40

Instrument :

BNA_E

ClientSampleId :

BP-HN-MW29IR-20190316

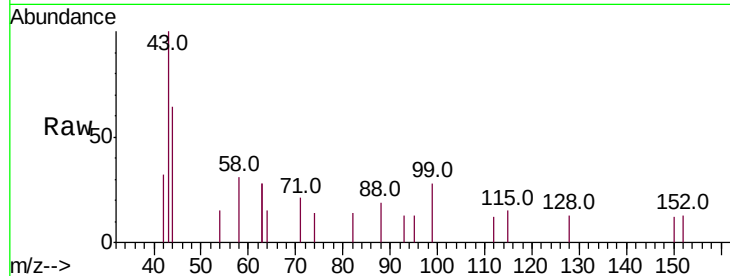
Tot Ion: 99 Resp: 283

Ion Ratio Lower Upper

99 100

42 30.4 24.2 36.2

71 43.1 35.7 53.5

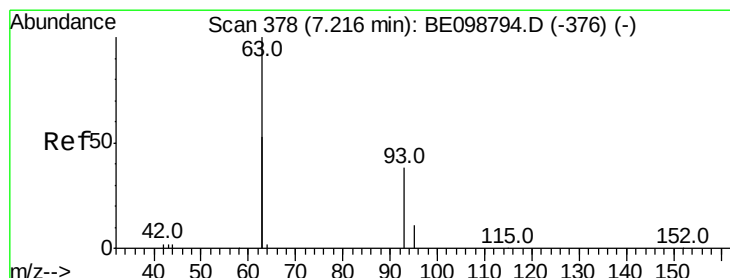
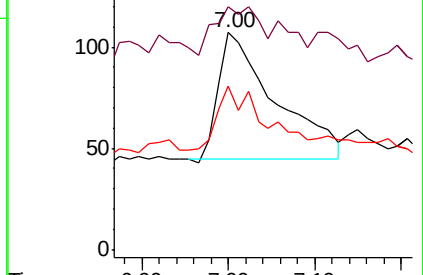
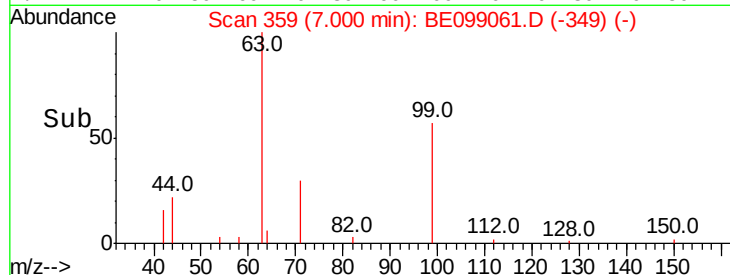


Abundance Ion 99.00 (98.70 to 99.70): BE0

Ion 42.00 (41.70 to 42.70): BE0

Ion 71.00 (70.70 to 71.70): BE0

Time-->



#6

bis(2-Chloroethyl)ether

Concen: 0.022 ng

RT: 7.21 min Scan# 377

Delta R.T. -0.01 min

Lab File: BE099061.D

Acq: 20 Mar 2019 7:40

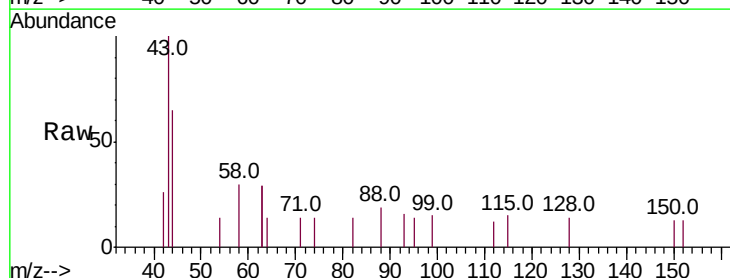
Tgt Ion: 93 Resp: 49

Ion Ratio Lower Upper

93 100

63 0.0 247.5 371.3#

95 0.0 21.8 32.8#

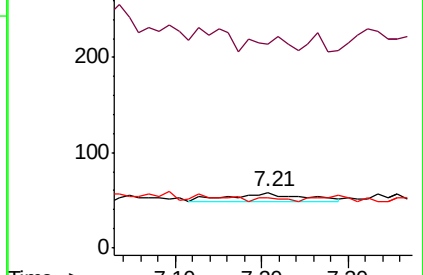
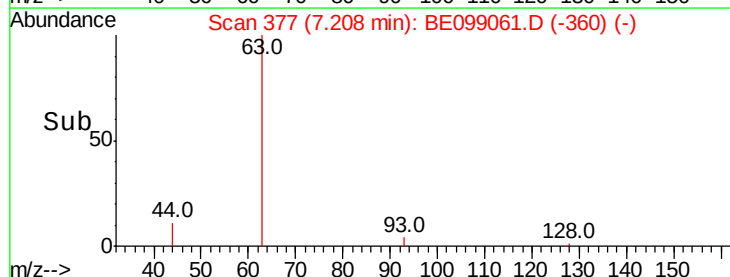


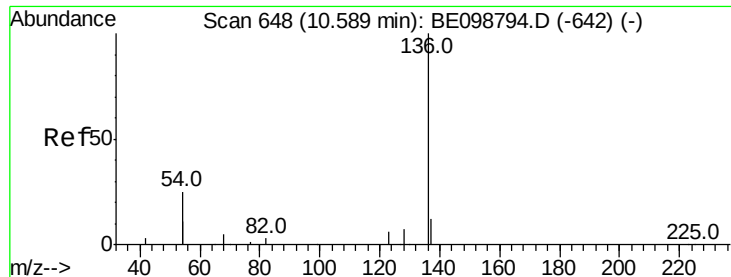
Abundance Ion 93.00 (92.70 to 93.70): BE0

Ion 63.00 (62.70 to 63.70): BE0

Ion 95.00 (94.70 to 95.70): BE0

Time-->





#7

Naphthalene-d8

Concen: 0.400 ng

RT: 10.59 min Scan# 648

Delta R.T. -0.00 min

Lab File: BE099061.D

Acq: 20 Mar 2019 7:40

Instrument :

BNA_E

ClientSampleId :

BP-HN-MW29IR-20190316

Tot Ion:136 Resp: 3048

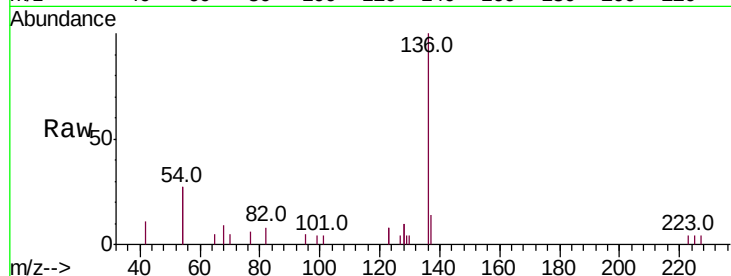
Ion Ratio Lower Upper

136 100

137 13.9 11.4 17.0

54 54.9 39.3 58.9

68 8.7 6.7 10.1

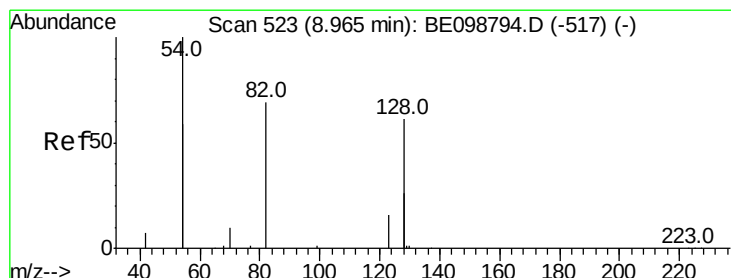
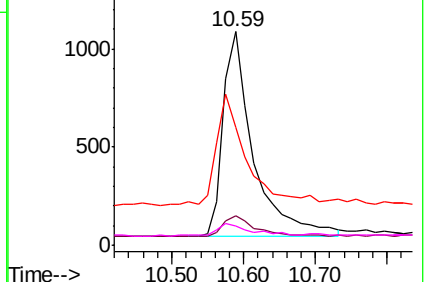
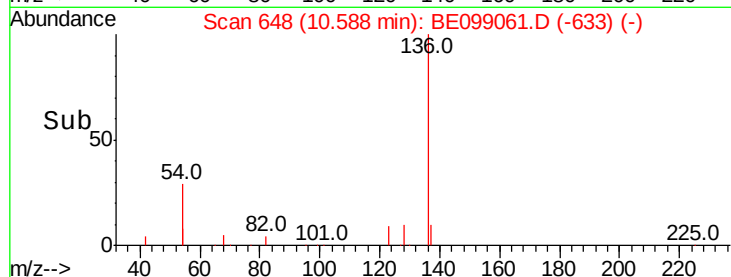


Abundance Ion 136.00 (135.70 to 136.70): E

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



#8

Nitrobenzene-d5

Concen: 0.372 ng

RT: 8.98 min Scan# 524

Delta R.T. 0.01 min

Lab File: BE099061.D

Acq: 20 Mar 2019 7:40

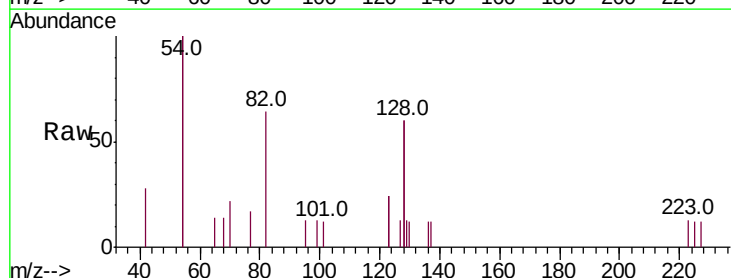
Tgt Ion: 82 Resp: 1189

Ion Ratio Lower Upper

82 100

128 186.9 123.8 185.8#

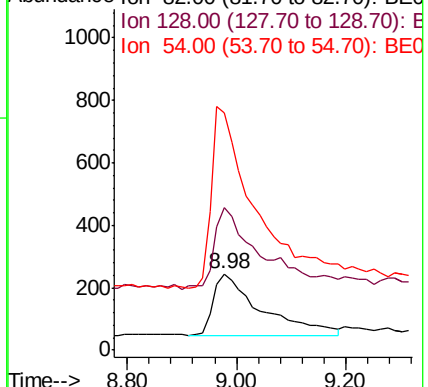
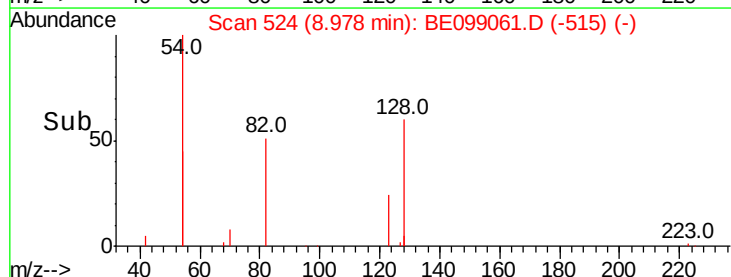
54 311.5 203.4 305.2#

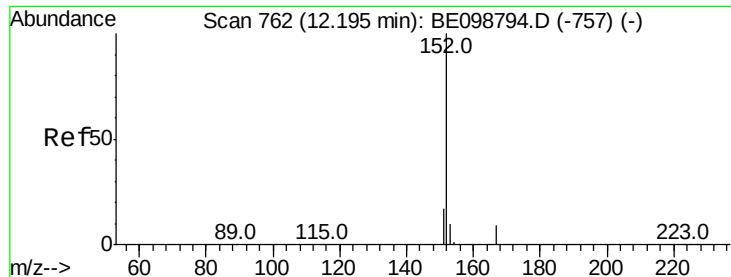


Abundance Ion 82.00 (81.70 to 82.70): BE0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BE0

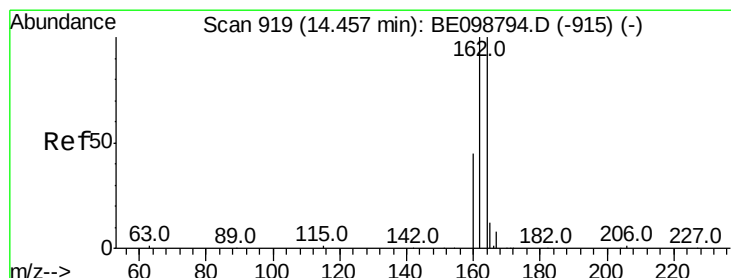
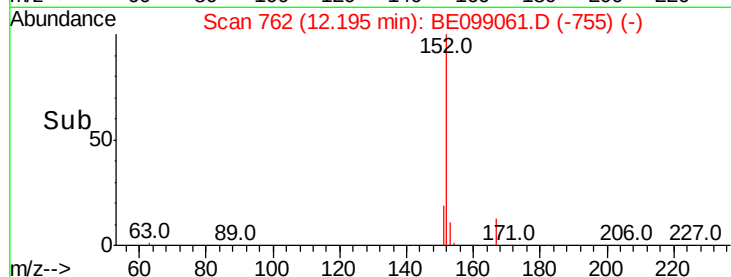
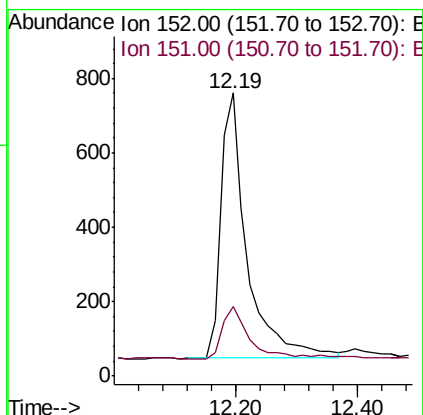
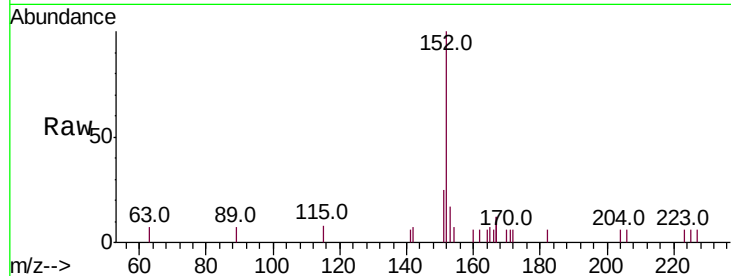




#11
 2-Methylnaphthalene-d10
 Concen: 0.380 ng
 RT: 12.19 min Scan# 762
 Delta R.T. 0.00 min
 Lab File: BE099061.D
 Acq: 20 Mar 2019 7:40

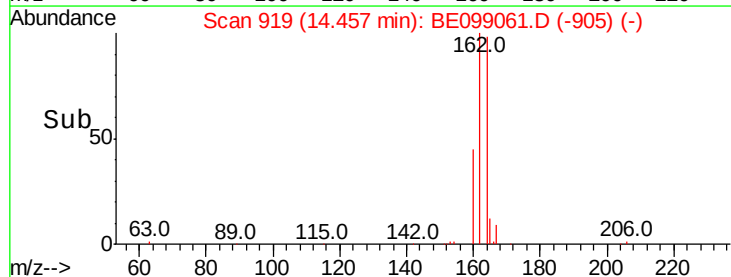
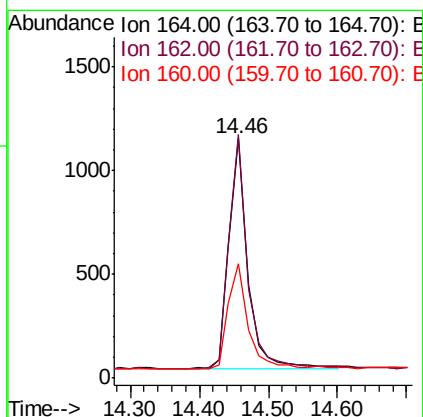
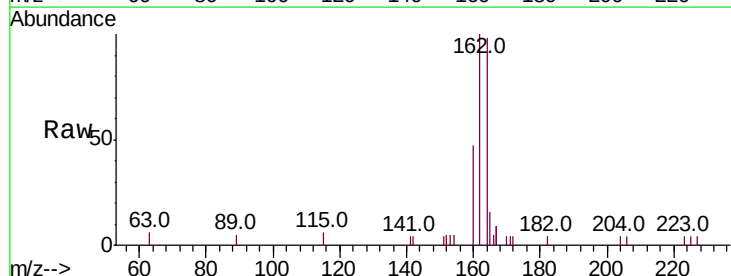
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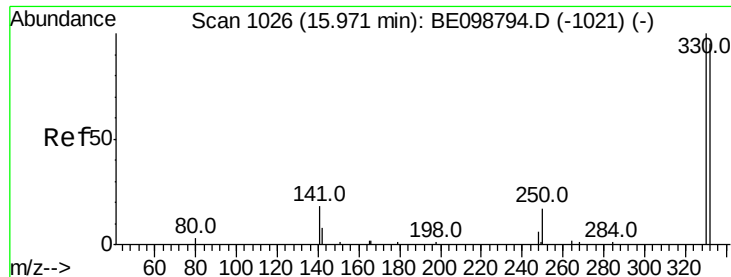
Tot Ion:152 Resp: 2139
 Ion Ratio Lower Upper
 152 100
 151 22.5 16.5 24.7



#13
 Acenaphthene-d10
 Concen: 0.400 ng
 RT: 14.46 min Scan# 919
 Delta R.T. 0.00 min
 Lab File: BE099061.D
 Acq: 20 Mar 2019 7:40

Tgt Ion:164 Resp: 2102
 Ion Ratio Lower Upper
 164 100
 162 101.7 80.2 120.2
 160 47.5 37.8 56.8

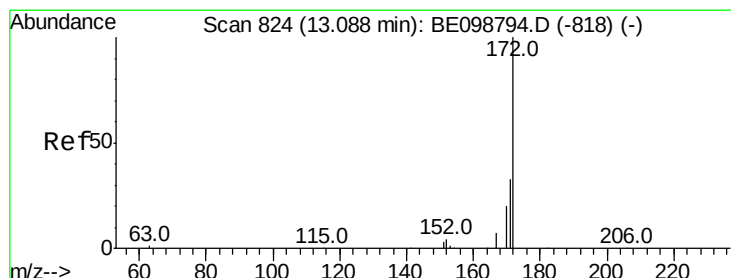
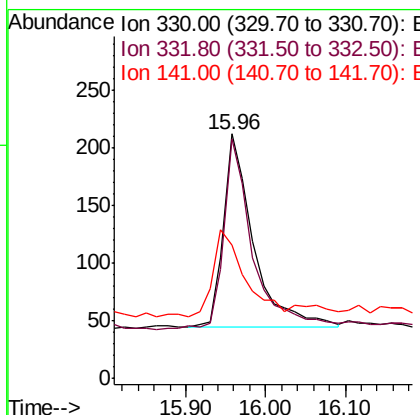
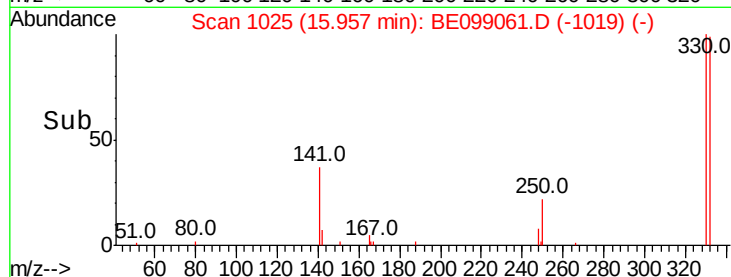
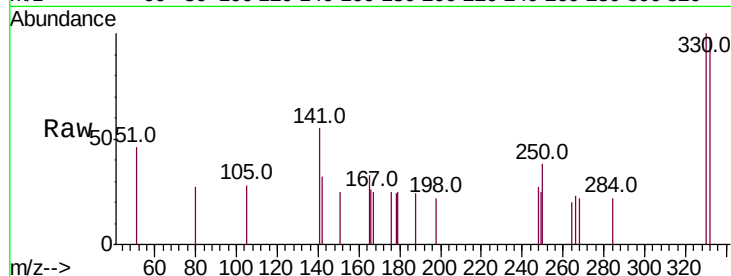




#14
 2,4,6-Tribromophenol
 Concen: 0.417 ng
 RT: 15.96 min Scan# 1025
 Delta R.T. -0.01 min
 Lab File: BE099061.D
 Acq: 20 Mar 2019 7:40

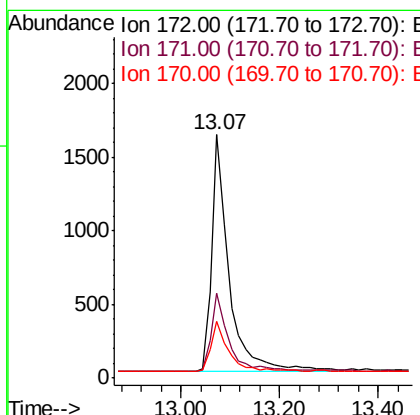
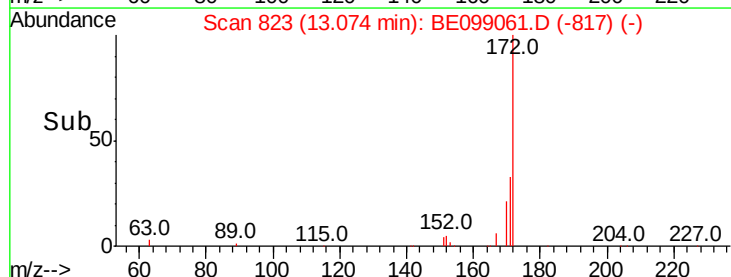
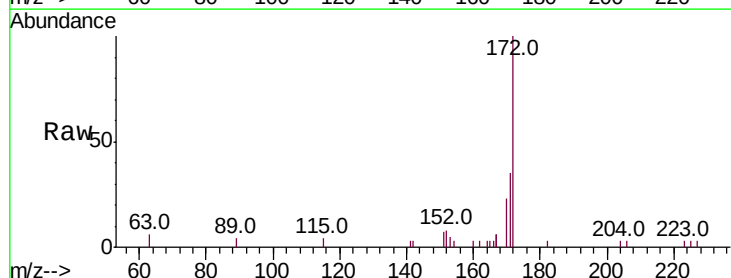
Instrument :
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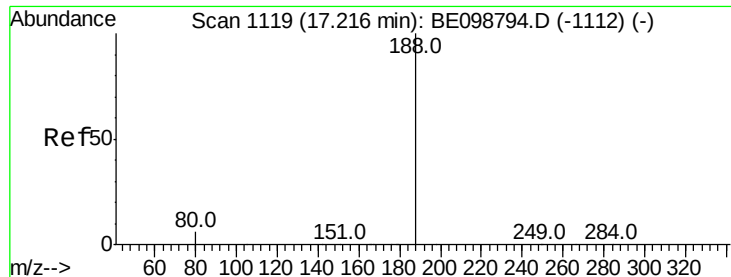
Tot Ion:330 Resp: 442
 Ion Ratio Lower Upper
 330 100
 332 94.1 77.6 116.4
 141 47.3 31.0 46.4#



#15
 2-Fluorobiphenyl
 Concen: 0.447 ng
 RT: 13.07 min Scan# 823
 Delta R.T. -0.01 min
 Lab File: BE099061.D
 Acq: 20 Mar 2019 7:40

Tgt Ion:172 Resp: 3891
 Ion Ratio Lower Upper
 172 100
 171 34.9 28.0 42.0
 170 23.4 17.7 26.5





#19

Phenanthrene-d10

Concen: 0.400 ng

RT: 17.20 min Scan# 1118

Delta R.T. -0.01 min

Lab File: BE099061.D

Acq: 20 Mar 2019 7:40

Instrument :

BNA_E

ClientSampleId :

BP-HN-MW29IR-20190316

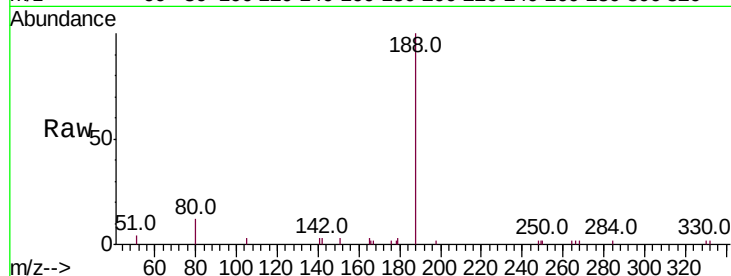
Tot Ion:188 Resp: 4687

Ion Ratio Lower Upper

188 100

94 0.0 0.0 0.0

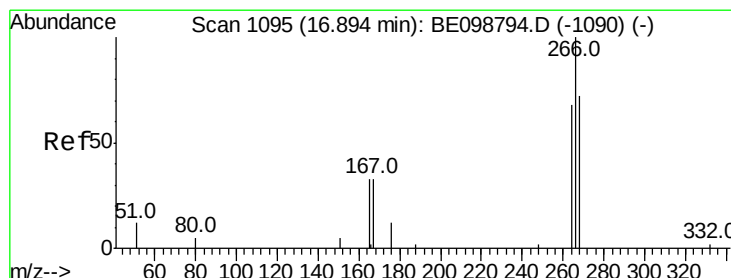
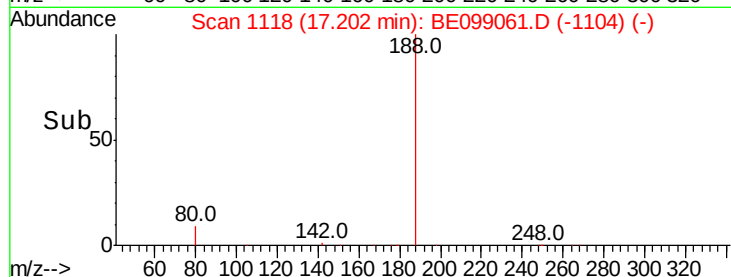
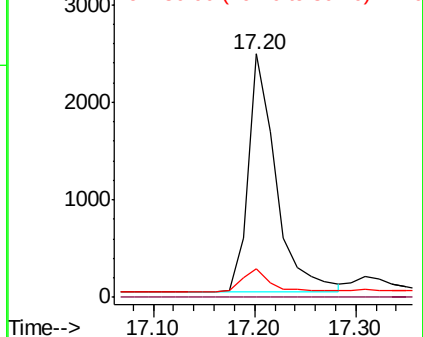
80 11.5 6.3 9.5#



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: 0.280 ng

RT: 16.88 min Scan# 1094

Delta R.T. -0.01 min

Lab File: BE099061.D

Acq: 20 Mar 2019 7:40

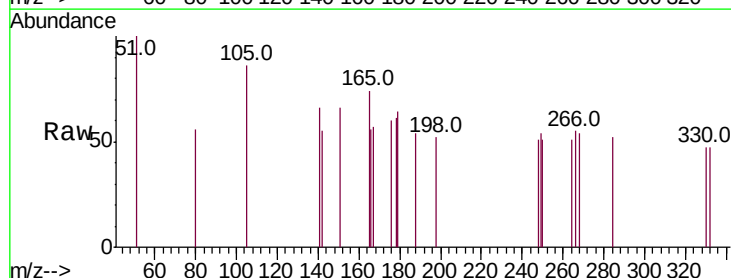
Tgt Ion:266 Resp: 16

Ion Ratio Lower Upper

266 100

264 92.3 66.6 100.0

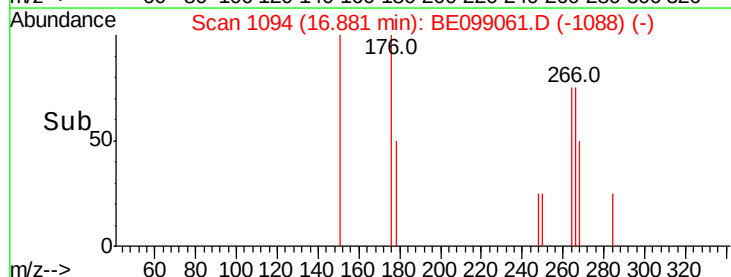
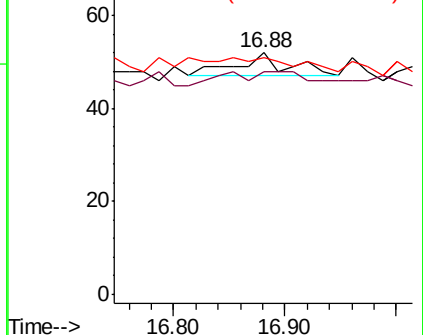
268 98.1 69.8 104.8

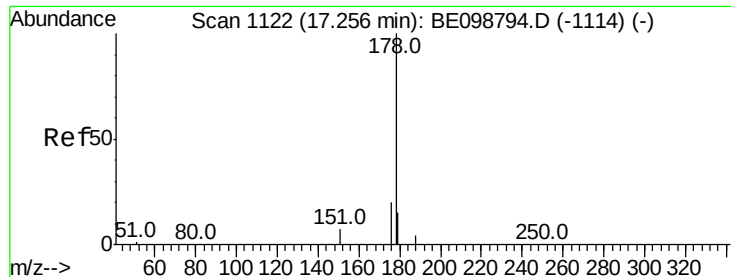


Abundance Ion 266.00 (265.70 to 266.70): E

Ion 264.00 (263.70 to 264.70): E

Ion 268.00 (267.70 to 268.70): E





#23

Phenanthrene

Concen: 0.045 ng

RT: 17.24 min Scan# 1121

Delta R.T. -0.01 min

Lab File: BE099061.D

Acq: 20 Mar 2019 7:40

Instrument :

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ClientSampleId :

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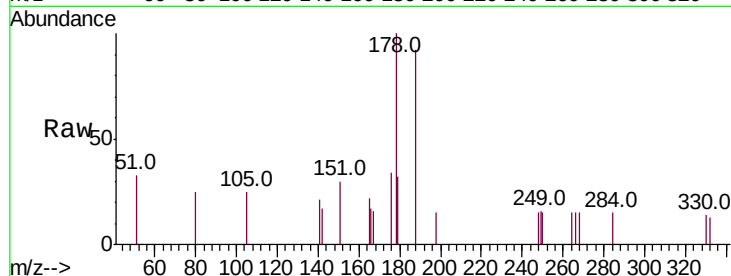
Tot Ion:178 Resp: 596

Ion Ratio Lower Upper

178 100

176 24.0 16.0 24.0

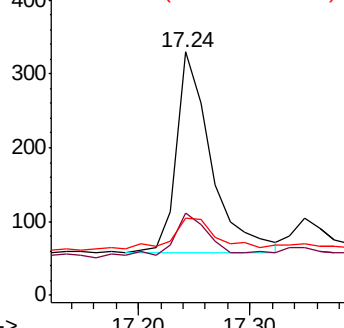
179 22.1 12.1 18.1#



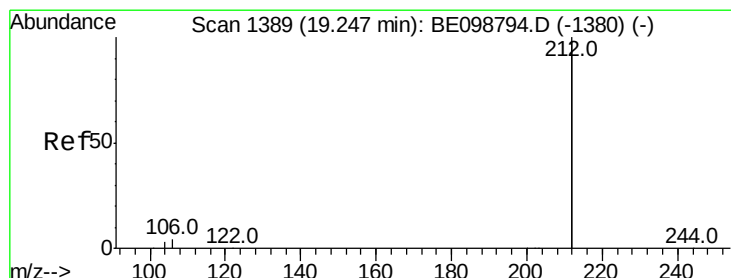
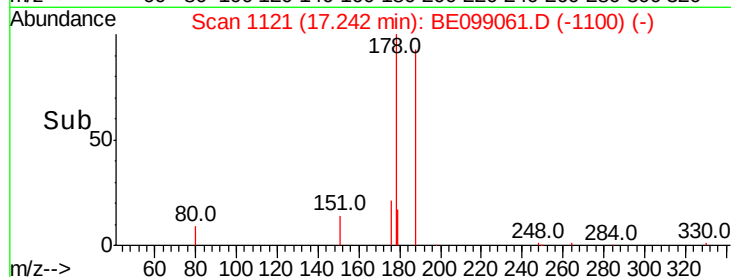
Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



Time-->



#25

Fluoranthene-d10

Concen: 0.395 ng

RT: 19.24 min Scan# 1387

Delta R.T. -0.01 min

Lab File: BE099061.D

Acq: 20 Mar 2019 7:40

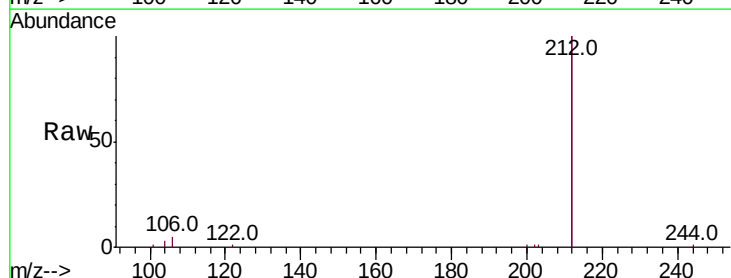
Tgt Ion:212 Resp: 29540

Ion Ratio Lower Upper

212 100

106 2.4 1.8 2.8

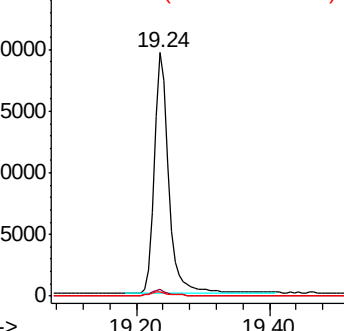
104 1.4 1.0 1.6



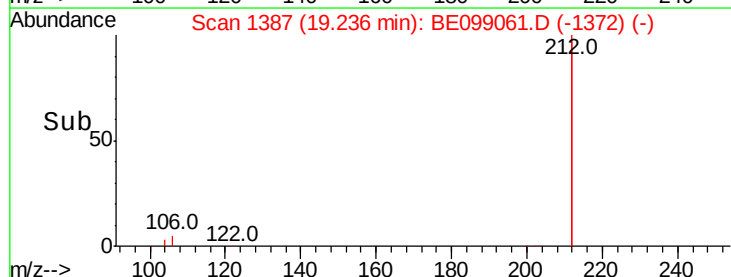
Abundance Ion 212.00 (211.70 to 212.70): E

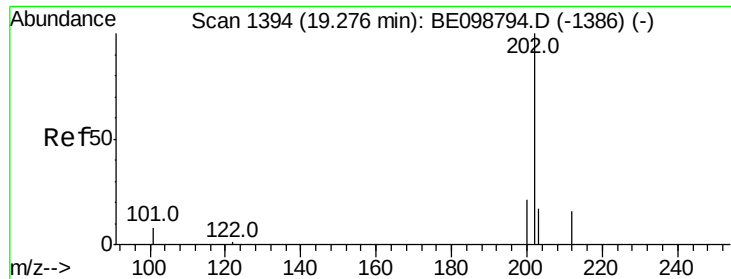
Ion 106.00 (105.70 to 106.70): E

Ion 104.00 (103.70 to 104.70): E



Time-->

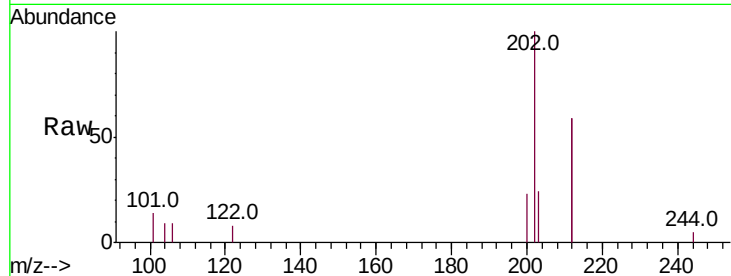




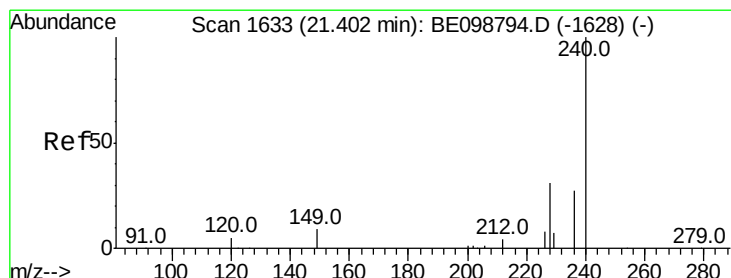
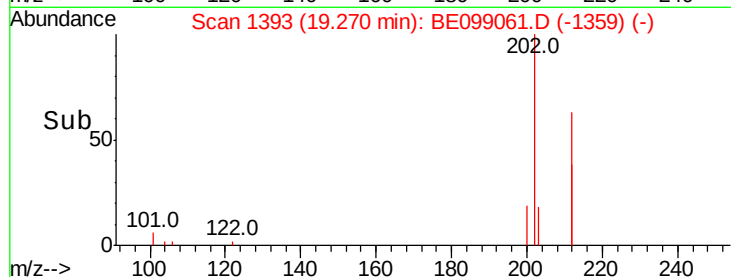
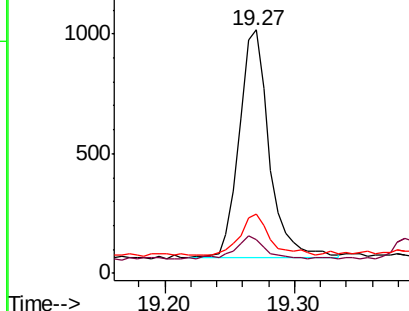
#26
 Fluoranthene
 Concen: 0.082 ng
 RT: 19.27 min Scan# 1393
 Delta R.T. -0.01 min
 Lab File: BE099061.D
 Acq: 20 Mar 2019 7:40

Instrument :
 BNA_E
 ClientSampleId :
 BP-HN-MW29IR-20190316

Tot Ion:202 Resp: 1543
 Ion Ratio Lower Upper
 202 100
 101 10.2 7.3 10.9
 203 17.4 13.4 20.2

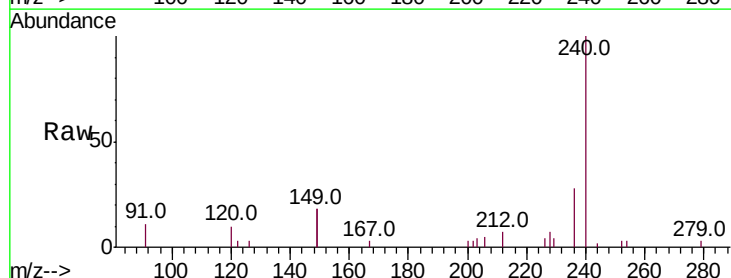


Abundance Ion 202.00 (201.70 to 202.70): E
 Ion 101.00 (100.70 to 101.70): E
 Ion 203.00 (202.70 to 203.70): E

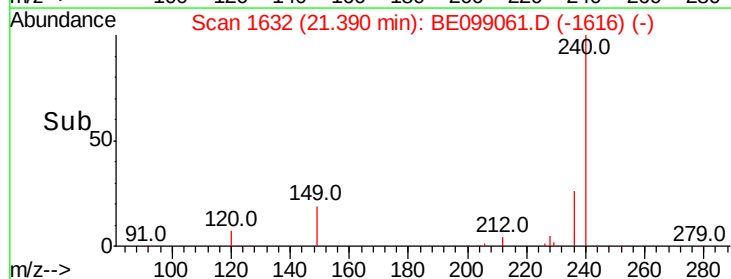
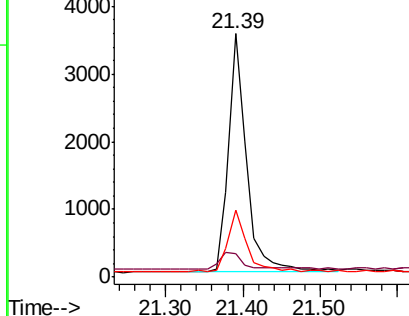


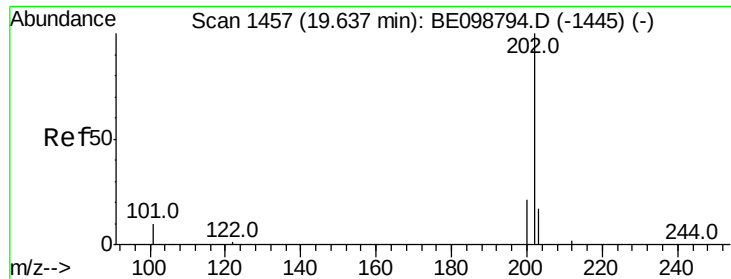
#27
 Chrysene-d12
 Concen: 0.400 ng
 RT: 21.39 min Scan# 1632
 Delta R.T. -0.01 min
 Lab File: BE099061.D
 Acq: 20 Mar 2019 7:40

Tgt Ion:240 Resp: 5771
 Ion Ratio Lower Upper
 240 100
 120 9.8 5.0 7.4#
 236 27.7 22.7 34.1



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

Pvrene

Concen: 0.075 ng

RT: 19.63 min Scan# 1456

Delta R.T. -0.01 min

Lab File: BE099061.D

Acq: 20 Mar 2019 7:40

Instrument :

BNA_E

ClientSampleId :

BP-HN-MW29IR-20190316

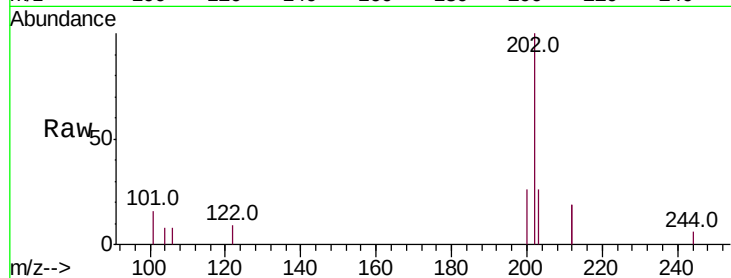
Tot Ion:202 Resp: 1329

Ion Ratio Lower Upper

202 100

200 22.5 17.0 25.6

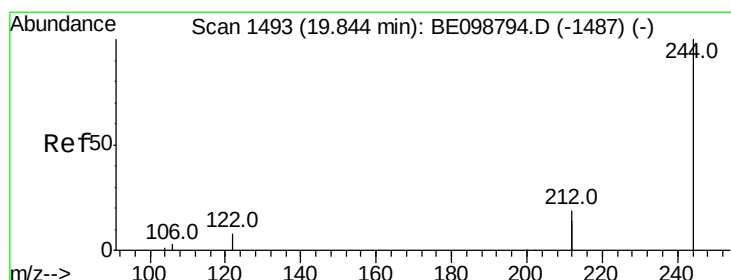
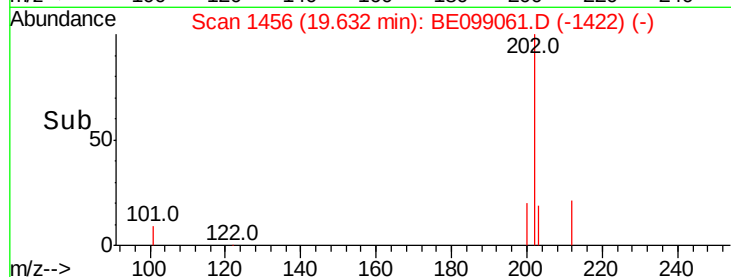
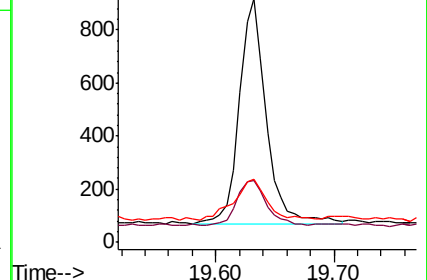
203 23.1 14.2 21.2#



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: 0.411 ng

RT: 19.83 min Scan# 1491

Delta R.T. -0.01 min

Lab File: BE099061.D

Acq: 20 Mar 2019 7:40

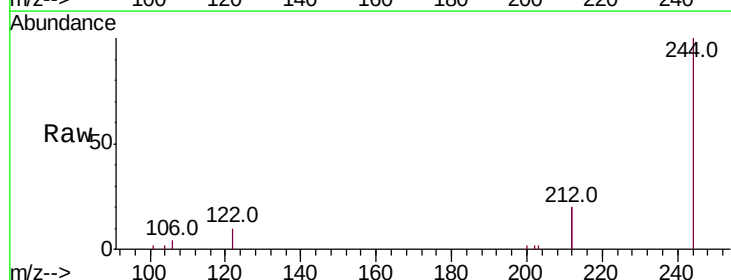
Tgt Ion:244 Resp: 5758

Ion Ratio Lower Upper

244 100

212 39.9 29.4 44.2

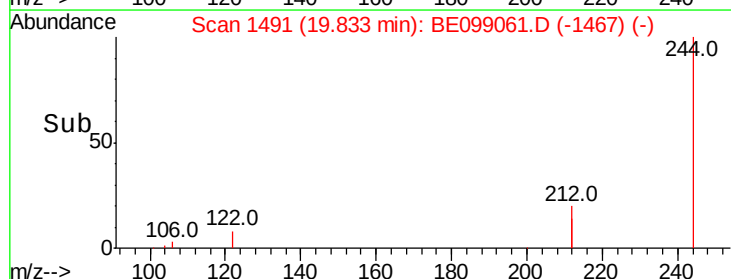
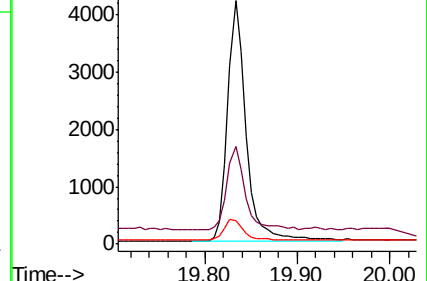
122 9.6 7.1 10.7

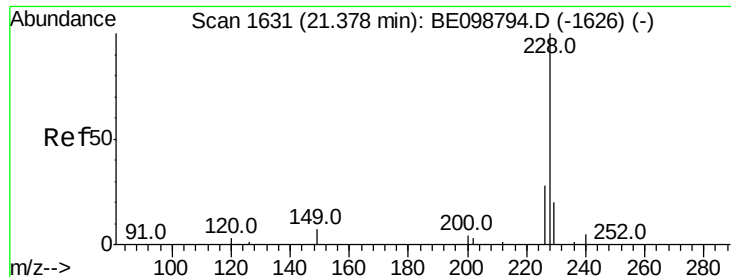


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#30

Benzo(a)anthracene

Concen: 0.031 ng

RT: 21.38 min Scan# 1631

Delta R.T. 0.00 min

Lab File: BE099061.D

Acq: 20 Mar 2019 7:40

Instrument :

BNA_E

ClientSampleId :

BP-HN-MW29IR-20190316

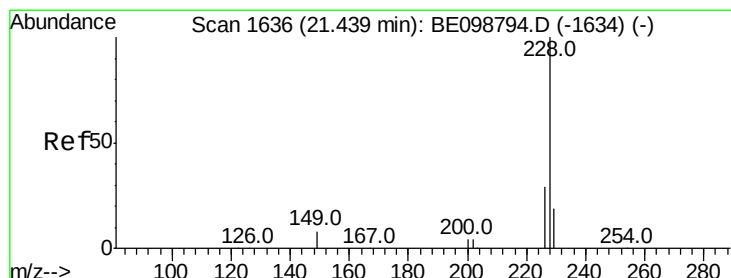
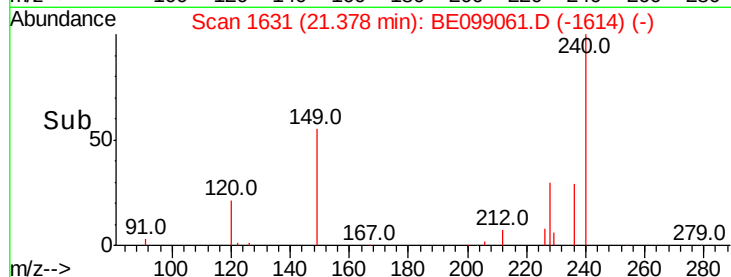
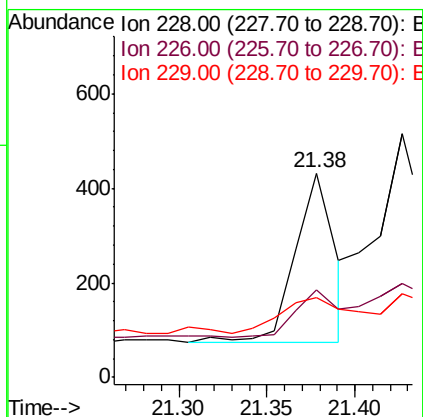
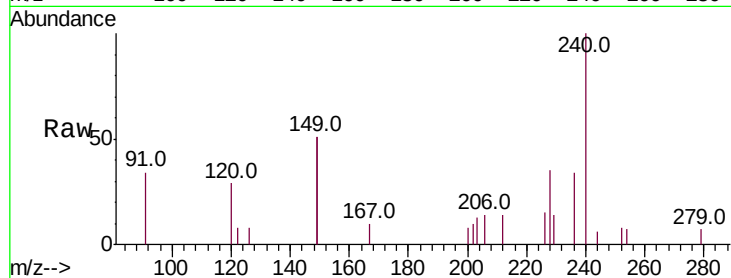
Tot Ion:228 Resp: 560

Ion Ratio Lower Upper

228 100

226 42.8 23.0 34.4#

229 39.1 16.5 24.7#



#31

Chrysene

Concen: 0.038 ng

RT: 21.43 min Scan# 1635

Delta R.T. -0.01 min

Lab File: BE099061.D

Acq: 20 Mar 2019 7:40

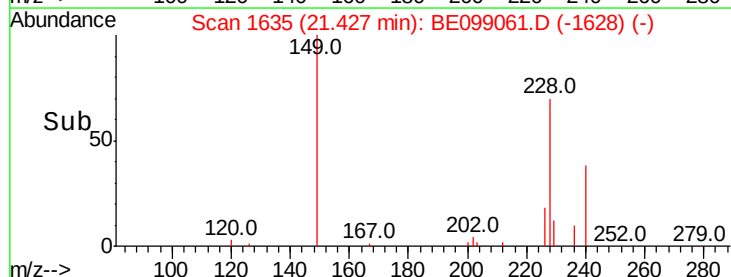
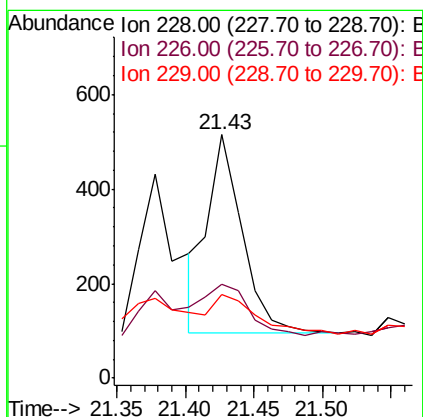
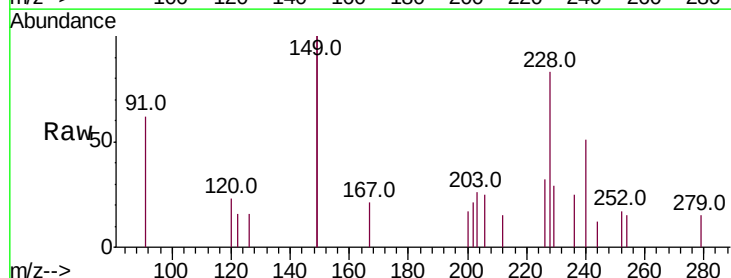
Tgt Ion:228 Resp: 736

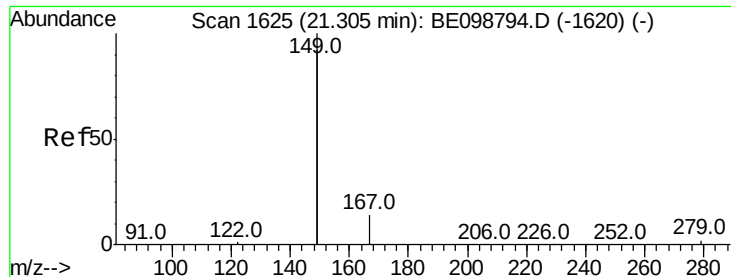
Ion Ratio Lower Upper

228 100

226 38.4 23.7 35.5#

229 34.6 16.1 24.1#





#32

Bis(2-ethylhexyl)phthalate

Concen: 0.129 ng

RT: 21.29 min Scan# 1624

Delta R.T. -0.01 min

Lab File: BE099061.D

Acq: 20 Mar 2019 7:40

Instrument :

BNA_E

ClientSampleId :

BP-HN-MW29IR-20190316

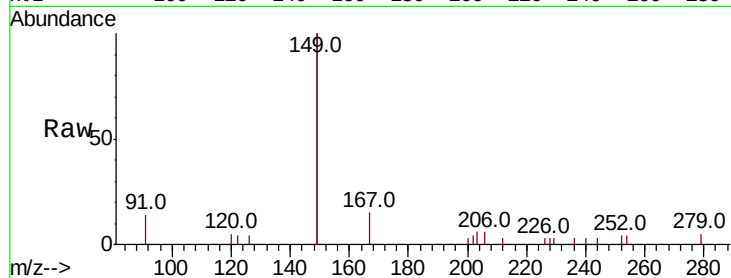
Tot Ion:149 Resp: 4931

Ion Ratio Lower Upper

149 100

167 6.9 5.4 8.0

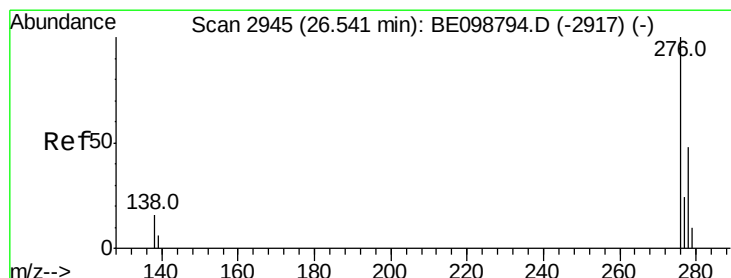
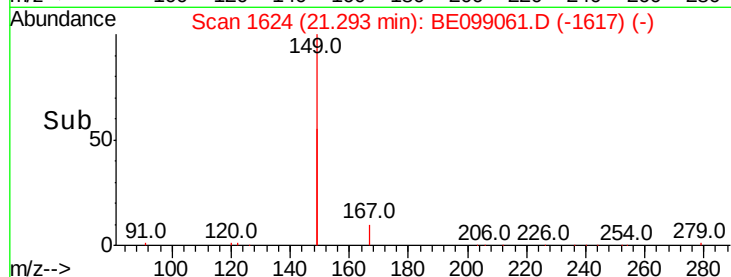
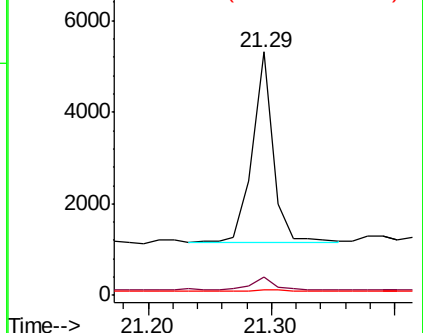
279 1.2 1.0 1.4



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



#33

Indeno(1,2,3-cd)pyrene

Concen: 0.025 ng

RT: 26.53 min Scan# 2942

Delta R.T. -0.01 min

Lab File: BE099061.D

Acq: 20 Mar 2019 7:40

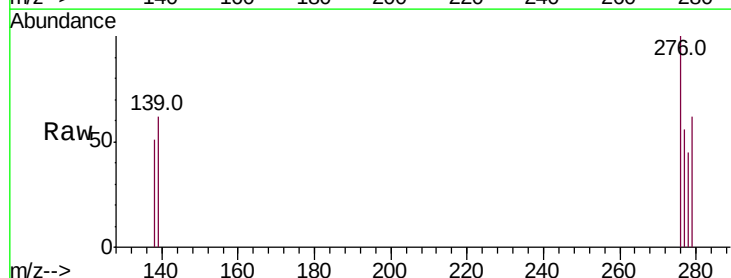
Tgt Ion:276 Resp: 503

Ion Ratio Lower Upper

276 100

138 0.0 13.8 20.8#

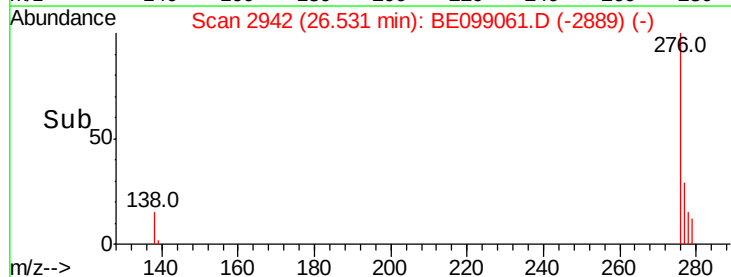
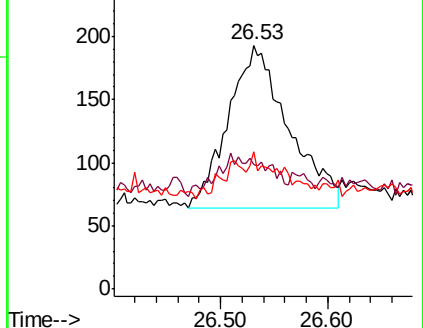
277 2.6 19.5 29.3#

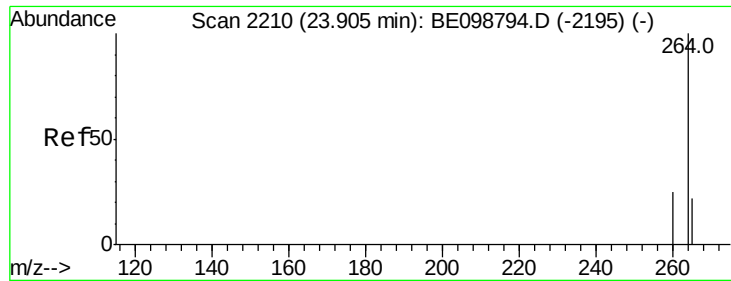


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E

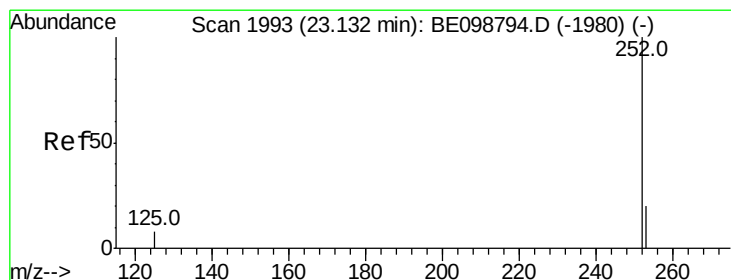
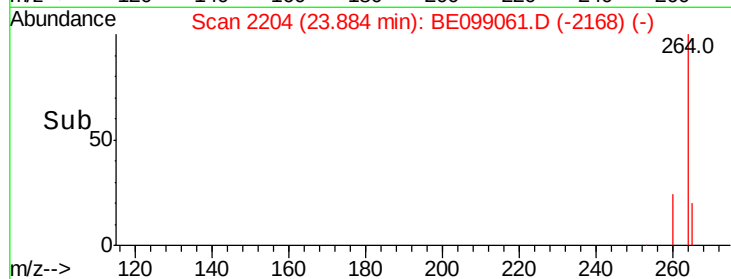
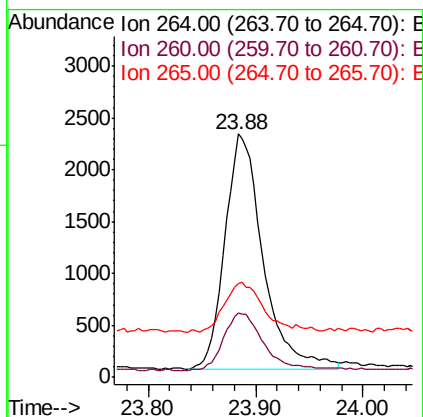
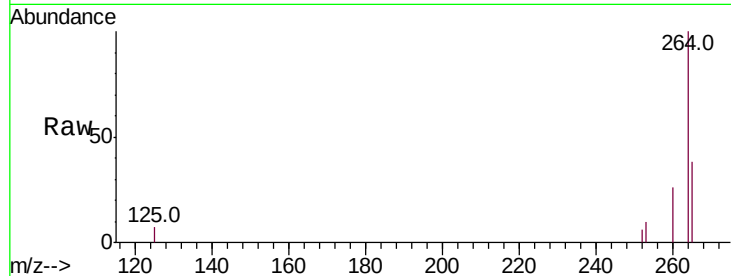




#34
Pervlene-d12
Concen: 0.400 ng
RT: 23.88 min Scan# 2204
Delta R.T. -0.02 min
Lab File: BE099061.D
Acq: 20 Mar 2019 7:40

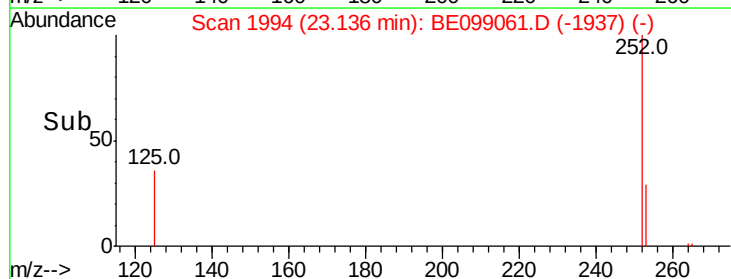
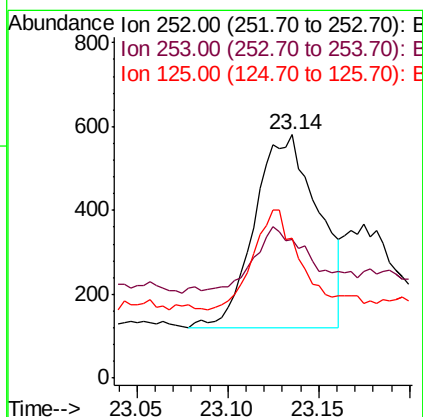
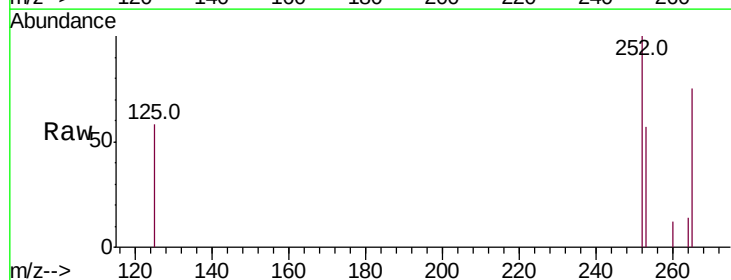
Instrument :
BNA_E
ClientSampleId :
BP-HN-MW29IR-20190316

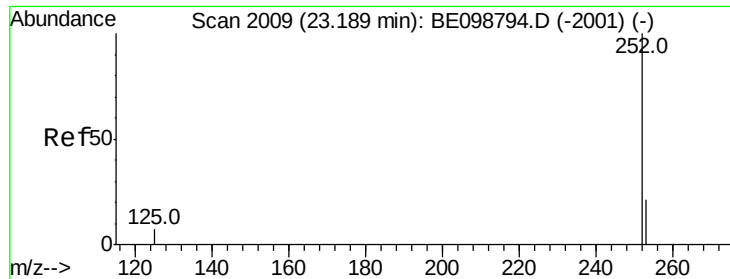
Tot Ion:264 Resp: 5543
Ion Ratio Lower Upper
264 100
260 26.3 21.2 31.8
265 38.4 24.6 36.8#



#35
Benzo(b)fluoranthene
Concen: 0.061 ng
RT: 23.14 min Scan# 1994
Delta R.T. 0.00 min
Lab File: BE099061.D
Acq: 20 Mar 2019 7:40

Tgt Ion:252 Resp: 1120
Ion Ratio Lower Upper
252 100
253 56.8 18.2 27.2#
125 57.7 7.3 10.9#





#36

Benzo(k)fluoranthene

Concen: 0.059 ng

RT: 23.14 min Scan# 1994

Delta R.T. -0.05 min

Lab File: BE099061.D

Acq: 20 Mar 2019 7:40

Instrument :

BNA_E

ClientSampleId :

BP-HN-MW29IR-20190316

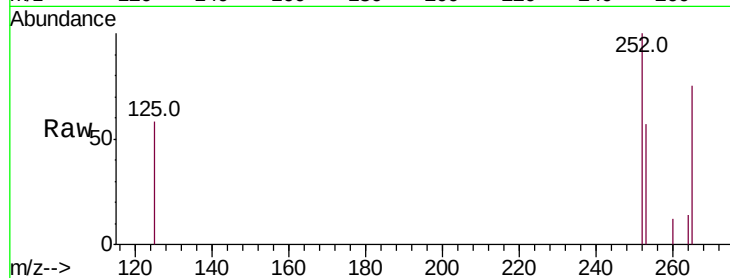
Tot Ion:252 Resp: 1120

Ion Ratio Lower Upper

252 100

253 56.8 19.3 28.9#

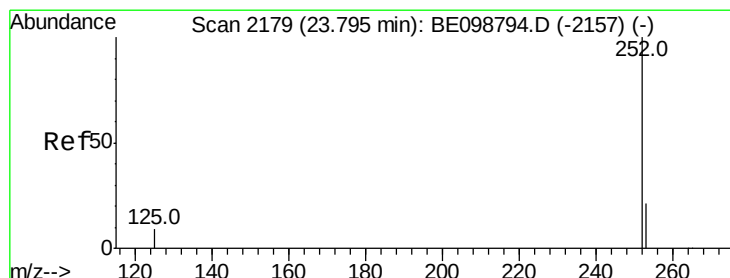
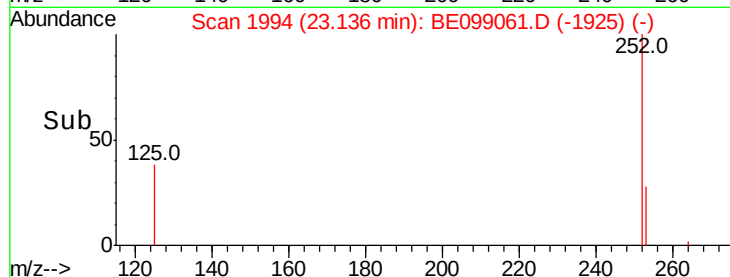
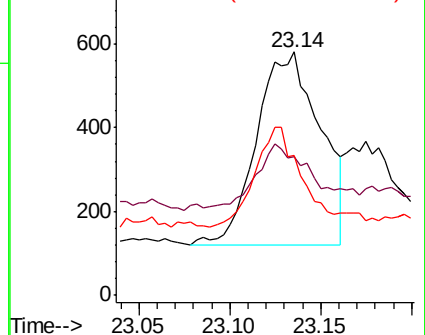
125 57.7 7.5 11.3#



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: 0.036 ng

RT: 23.78 min Scan# 2175

Delta R.T. -0.01 min

Lab File: BE099061.D

Acq: 20 Mar 2019 7:40

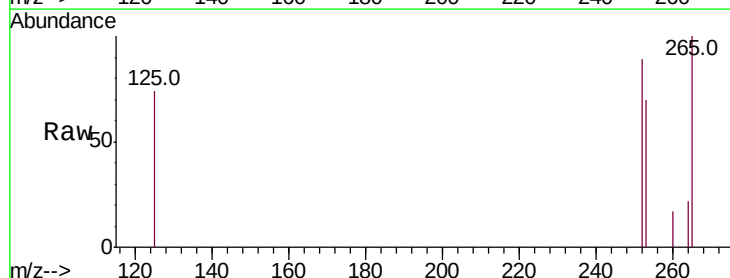
Tgt Ion:252 Resp: 636

Ion Ratio Lower Upper

252 100

253 78.4 19.9 29.9#

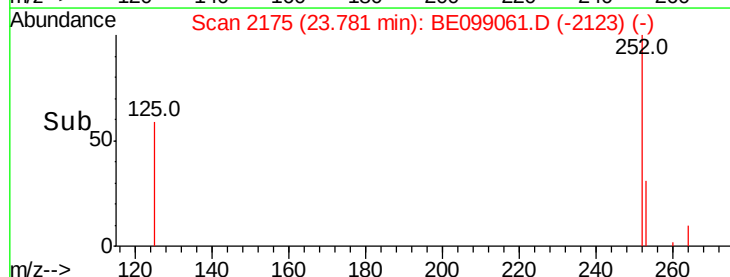
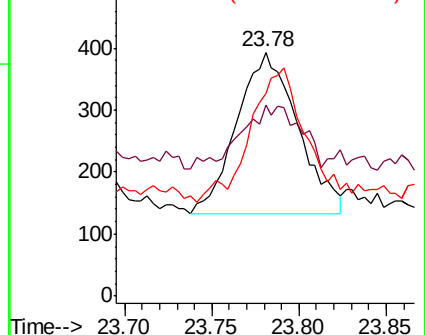
125 83.2 9.0 13.4#

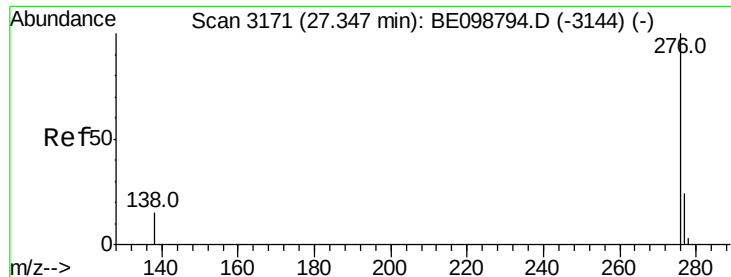


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#39

Benzo(a,h,i)perylene

Concen: 0.032 ng

RT: 27.34 min Scan# 3169

Delta R.T. -0.01 min

Lab File: BE099061.D

Acq: 20 Mar 2019 7:40

Instrument :

BNA_E

ClientSampleId :

BP-HN-MW29IR-20190316

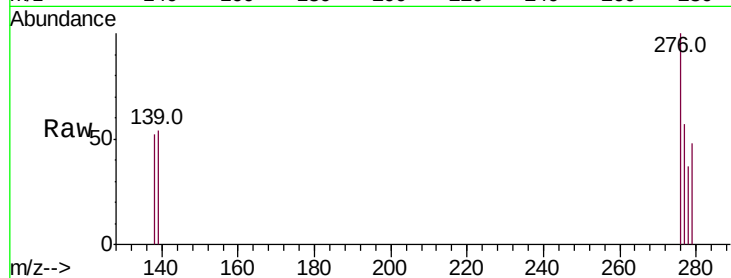
Tot Ion: 276 Resp: 549

Ion Ratio Lower Upper

276 100

277 57.0 20.4 30.6#

138 52.3 13.6 20.4#



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

