

Data Path : Z:\SVOASRV\HPCHEM1\BNA_E\DATA\BE121418\
 Data File : BE098445.D
 Acq On : 14 Dec 2018 20:55
 Operator : SJ/JU
 Sample : J6343-02
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 BP-HN-MW29IR-20181209

Quant Time: Dec 14 23:33:00 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	7.86	152	908	0.40	ng	0.00
7) Naphthalene-d8	10.67	136	3907	0.40	ng	0.00
13) Acenaphthene-d10	14.53	164	2558	0.40	ng	0.00
19) Phenanthrene-d10	17.27	188	6437	0.40	ng	-0.01
27) Chrysene-d12	21.46	240	8063	0.40	ng	0.00
34) Perylene-d12	24.00	264	7696	0.40	ng	-0.01

System Monitoring Compounds

4) 2-Fluorophenol	5.45	112	468	0.22	ng	0.00
5) Phenol-d6	7.04	99	498	0.17	ng	0.00
8) Nitrobenzene-d5	9.04	82	1374	0.39	ng	0.03
11) 2-Methylnaphthalene-d10	12.27	152	2536	0.40	ng	0.00
14) 2,4,6-Tribromophenol	16.02	330	563	0.60	ng	0.00
15) 2-Fluorobiphenyl	13.15	172	5240	0.49	ng	0.00
25) Fluoranthene-d10	19.30	212	37183	0.45	ng	0.00
29) Terphenyl-d14	19.89	244	9326	0.48	ng	-0.01

Target Compounds

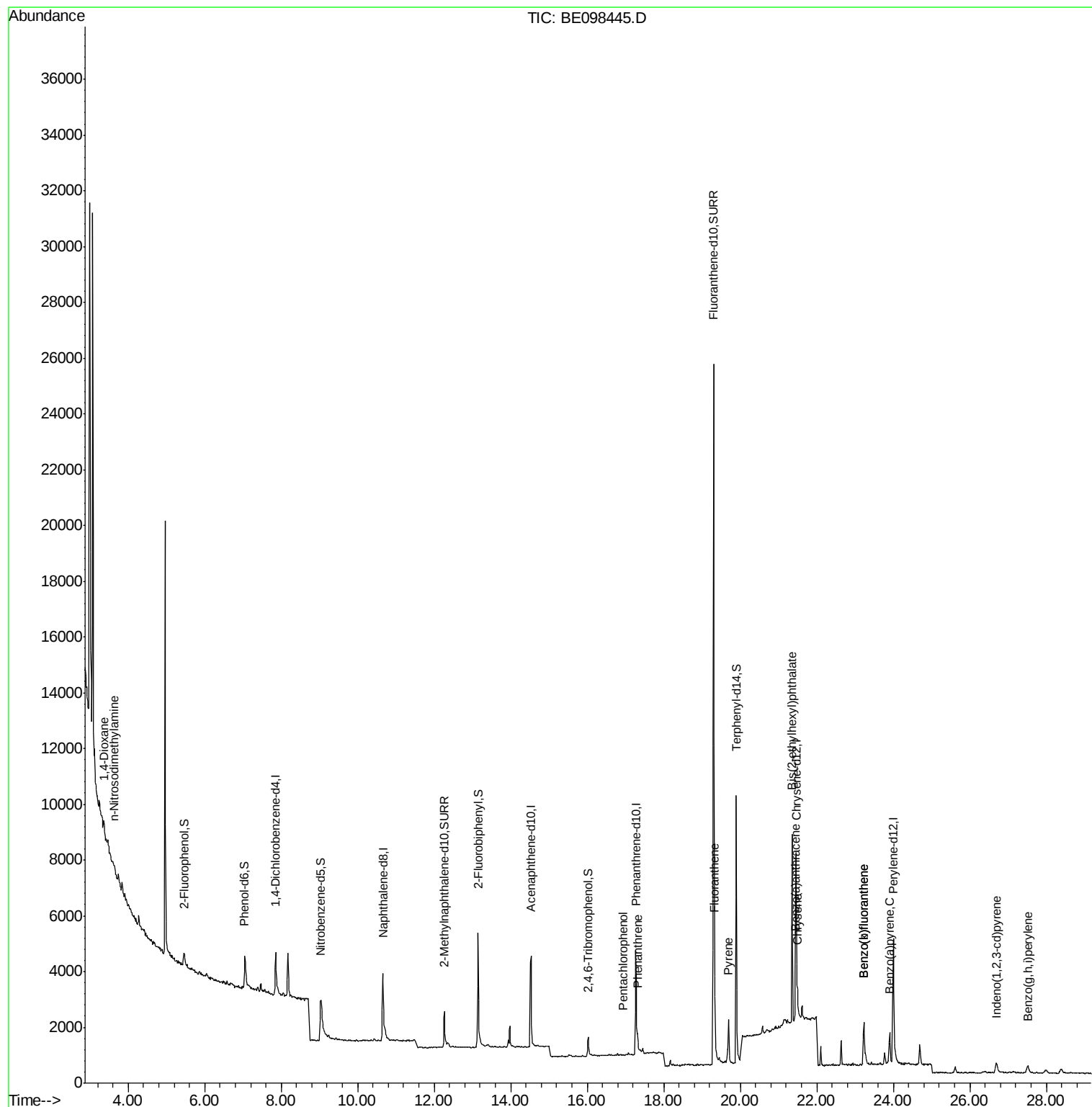
						Qvalue
2) 1,4-Dioxane	3.37	88	106	0.068	ng	# 1
3) n-Nitrosodimethylamine	3.63	42	101	0.071	ng	# 100
22) Pentachlorophenol	16.93	266	22	0.055	ng	# 75
23) Phenanthrene	17.32	178	639	0.041	ng	# 91
26) Fluoranthene	19.33	202	1718	0.083	ng	# 98
28) Pyrene	19.69	202	1576	0.062	ng	# 94
30) Benzo(a)anthracene	21.44	228	789	0.034	ng	# 78
31) Chrysene	21.50	228	1010	0.042	ng	# 85
32) Bis(2-ethylhexyl)phthalate	21.35	149	7783	0.167	ng	# 99
33) Indeno(1,2,3-cd)pyrene	26.70	276	682	0.028	ng	# 73
35) Benzo(b)fluoranthene	23.23	252	1513	0.072	ng	# 1
36) Benzo(k)fluoranthene	23.23	252	1513	0.062	ng	# 1
37) Benzo(a)pyrene	23.89	252	863	0.040	ng	# 1
39) Benzo(g,h,i)perylene	27.52	276	658	0.032	ng	# 67

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

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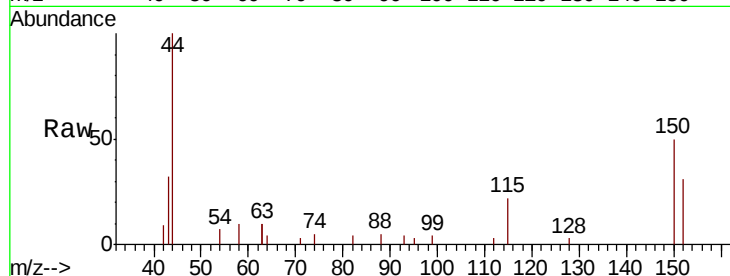


#1

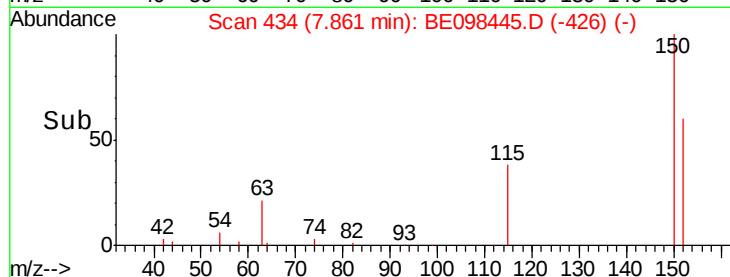
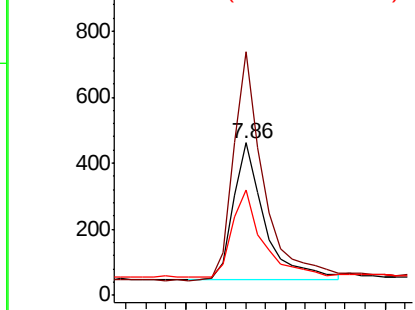
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.86 min Scan# 434
Delta R.T. -0.00 min
Lab File: BE098445.D
Acq: 14 Dec 2018 20:55

Instrument :
BNA_E
ClientSampleId :
BP-HN-MW29IR-20181209

Tgt Ion: 152 Resp: 908
Ion Ratio Lower Upper
152 100
150 159.9 124.2 186.4
115 69.0 53.9 80.9



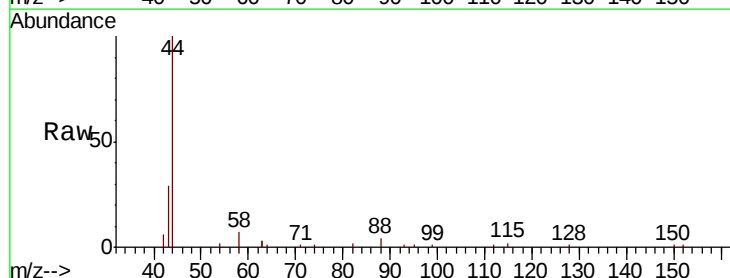
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



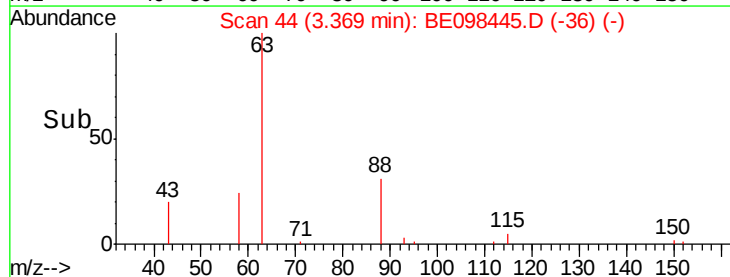
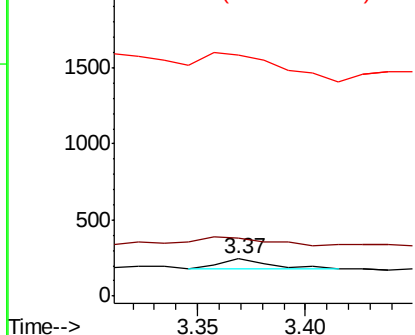
#2

1,4-Dioxane
Concen: 0.068 ng
RT: 3.37 min Scan# 44
Delta R.T. -0.00 min
Lab File: BE098445.D
Acq: 14 Dec 2018 20:55

Tgt Ion: 88 Resp: 106
Ion Ratio Lower Upper
88 100
58 100.0 75.0 112.6
43 437.7 38.3 57.5#



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





#3

n-Nitrosodimethylamine

Concen: 0.071 ng

RT: 3.63 min Scan# 67

Delta R.T. -0.06 min

Lab File: BE098445.D

Acq: 14 Dec 2018 20:55

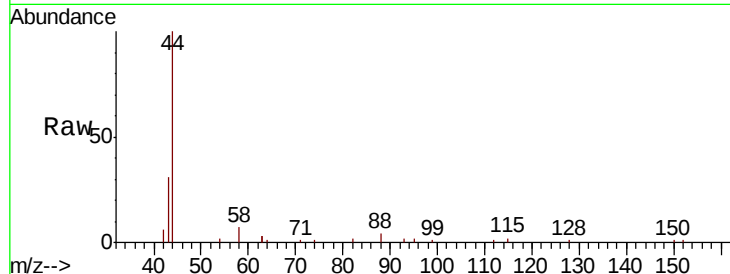
Instrument :

BNA_E

ClientSampleId :

BP-HN-MW29IR-20181209

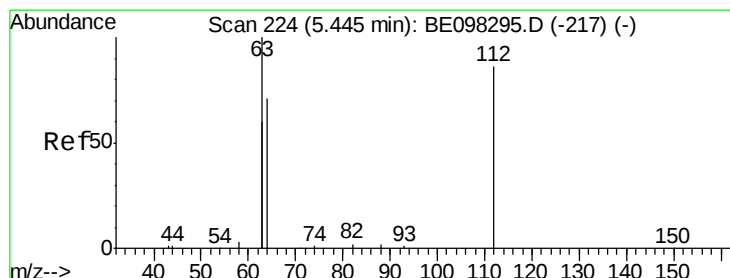
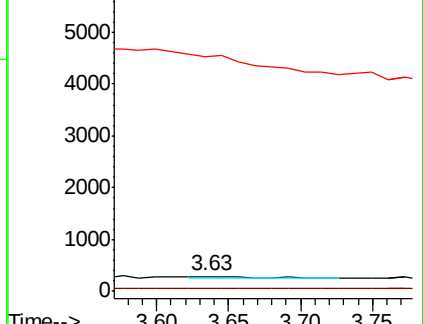
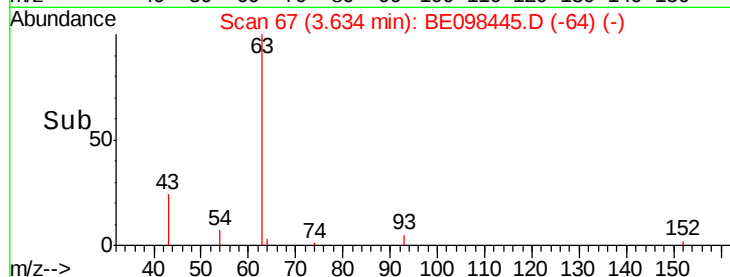
Tgt Ion:	42	Resp:	101
Ion	Ratio	Lower	Upper
42	100		
74	7.9	0.0	0.0#
44	0.0	0.0	0.0



Abundance Ion 42.00 (41.70 to 42.70): BE0

Ion 74.00 (73.70 to 74.70): BE0

Ion 44.00 (43.70 to 44.70): BE0



#4

2-Fluorophenol

Concen: 0.220 ng

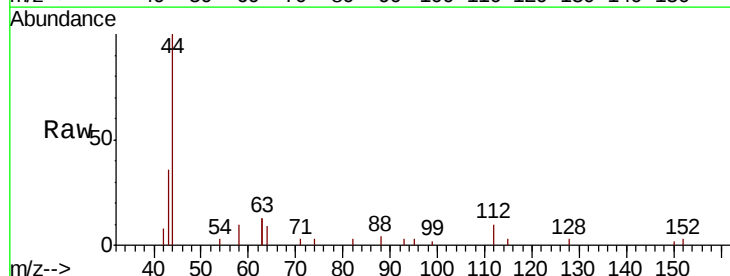
RT: 5.45 min Scan# 225

Delta R.T. 0.01 min

Lab File: BE098445.D

Acq: 14 Dec 2018 20:55

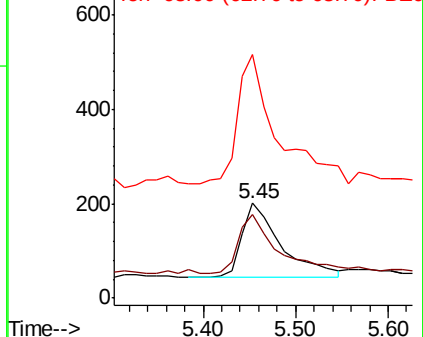
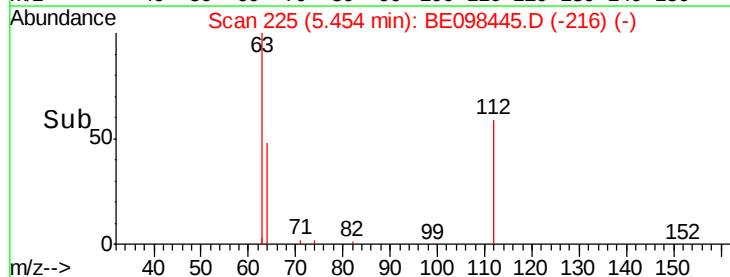
Tgt Ion:	112	Resp:	468
Ion	Ratio	Lower	Upper
112	100		
64	92.5	59.8	89.8#
63	173.3	133.7	200.5



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: 0.165 ng

RT: 7.04 min Scan# 363

Delta R.T. -0.00 min

Lab File: BE098445.D

Acq: 14 Dec 2018 20:55

Instrument :

BNA_E

ClientSampleId :

BP-HN-MW29IR-20181209

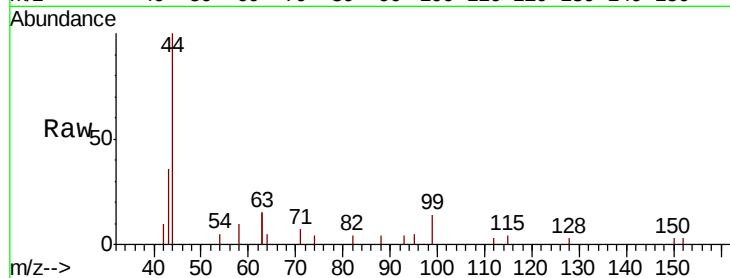
Tgt Ion: 99 Resp: 498

Ion Ratio Lower Upper

99 100

42 31.9 26.3 39.5

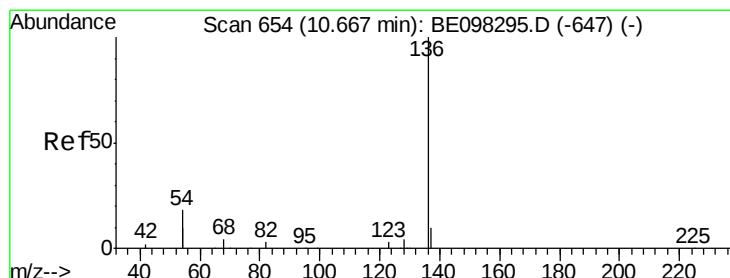
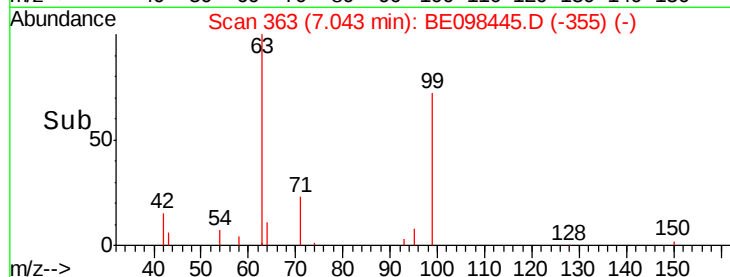
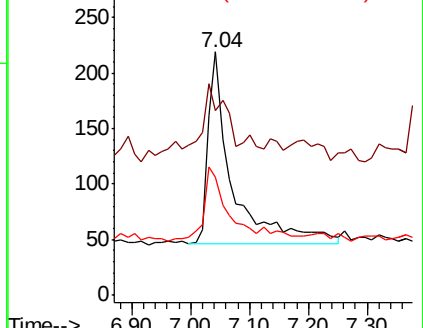
71 35.3 33.6 50.4



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: 10.67 min Scan# 655

Delta R.T. 0.00 min

Lab File: BE098445.D

Acq: 14 Dec 2018 20:55

Tgt Ion: 136 Resp: 3907

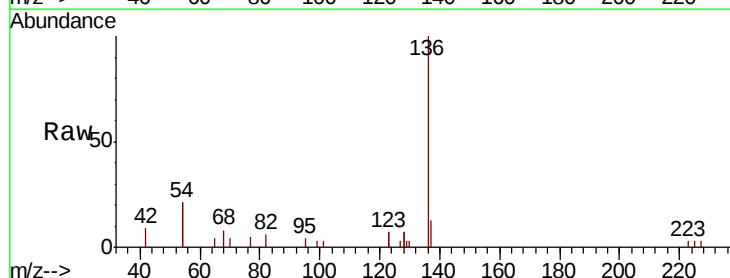
Ion Ratio Lower Upper

136 100

137 12.9 9.2 13.8

54 42.8 28.4 42.6#

68 7.7 5.4 8.0

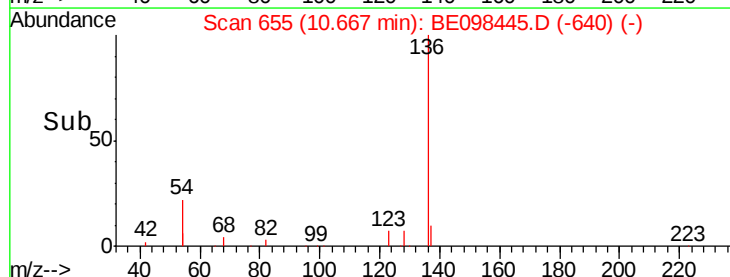
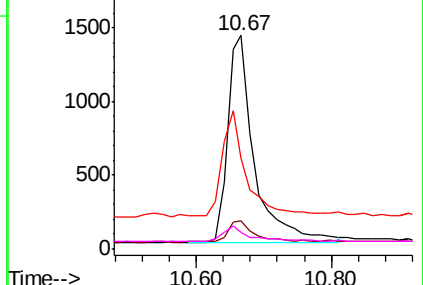


Abundance Ion 136.00 (135.70 to 136.70): E

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

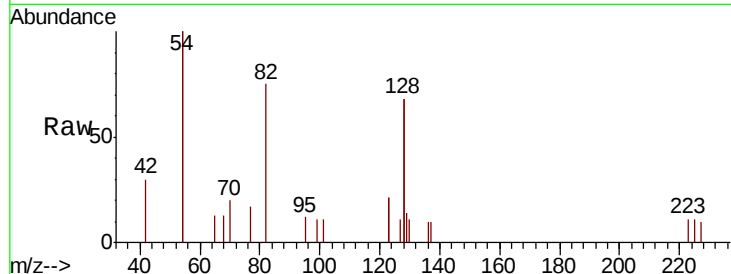




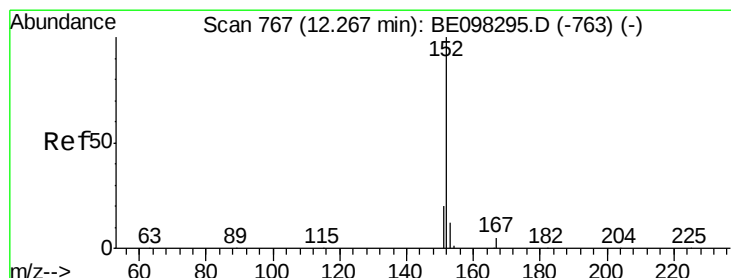
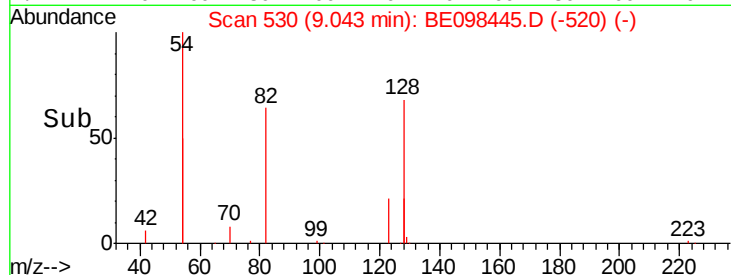
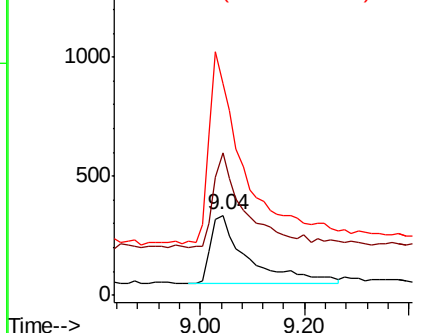
#8
 Nitrobenzene-d5
 Concen: 0.386 ng
 RT: 9.04 min Scan# 530
 Delta R.T. 0.03 min
 Lab File: BE098445.D
 Acq: 14 Dec 2018 20:55

Instrument :
 BNA_E
 ClientSampleId :
 BP-HN-MW29IR-20181209

Tgt Ion: 82 Resp: 1374
 Ion Ratio Lower Upper
 82 100
 128 179.1 102.4 153.6#
 54 265.1 221.8 332.8

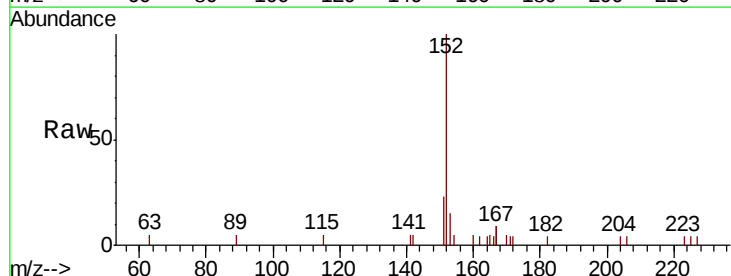


Abundance Ion 82.00 (81.70 to 82.70): BE0
 Ion 128.00 (127.70 to 128.70): E
 Ion 54.00 (53.70 to 54.70): BE0

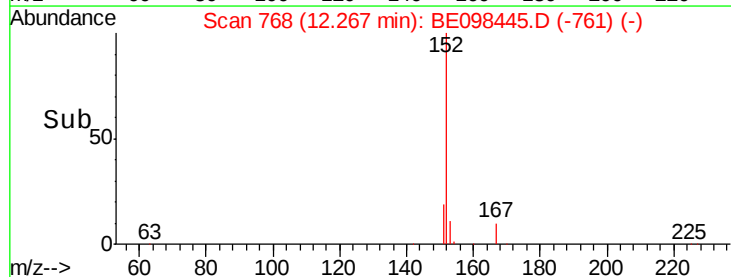
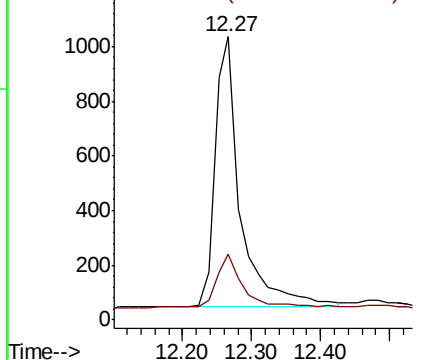


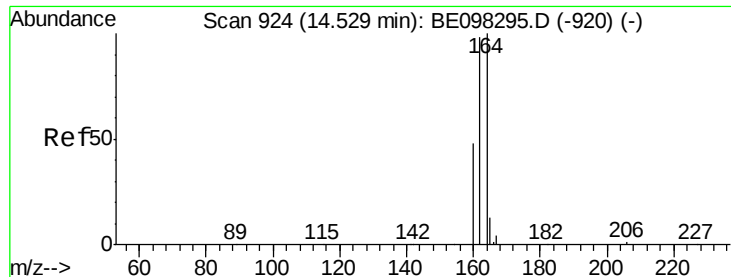
#11
 2-Methylnaphthalene-d10
 Concen: 0.399 ng
 RT: 12.27 min Scan# 768
 Delta R.T. -0.00 min
 Lab File: BE098445.D
 Acq: 14 Dec 2018 20:55

Tgt Ion: 152 Resp: 2536
 Ion Ratio Lower Upper
 152 100
 151 19.6 16.2 24.4



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: 14.53 min Scan# 925

Delta R.T. -0.00 min

Lab File: BE098445.D

Acq: 14 Dec 2018 20:55

Instrument :

BNA_E

ClientSampleId :

BP-HN-MW29IR-20181209

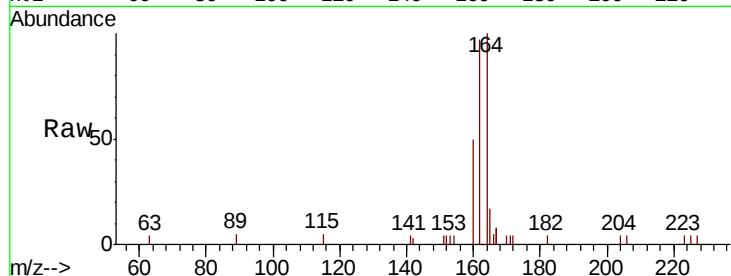
Tgt Ion:164 Resp: 2558

Ion Ratio Lower Upper

164 100

162 96.8 77.6 116.4

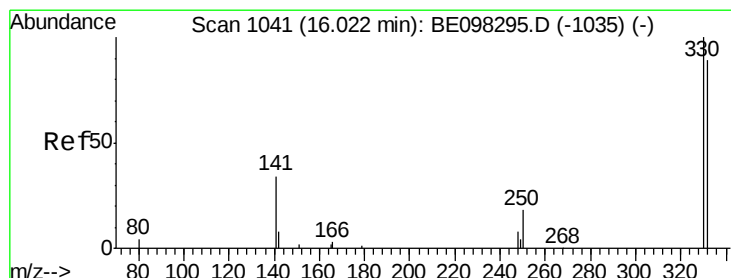
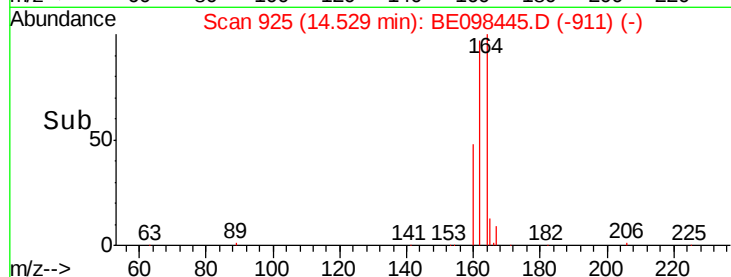
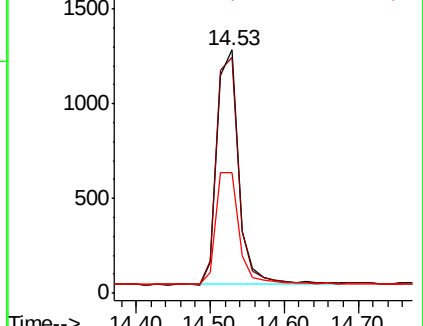
160 49.7 36.0 54.0



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: 0.599 ng

RT: 16.02 min Scan# 1042

Delta R.T. -0.00 min

Lab File: BE098445.D

Acq: 14 Dec 2018 20:55

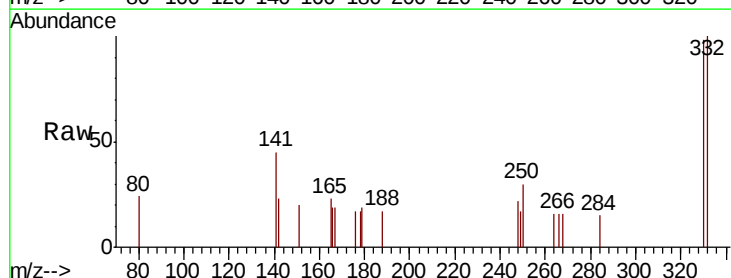
Tgt Ion:330 Resp: 563

Ion Ratio Lower Upper

330 100

332 97.7 76.2 114.4

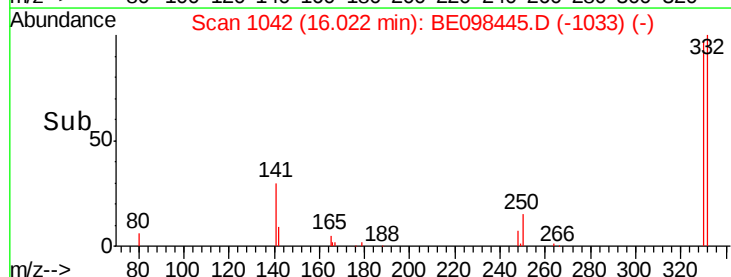
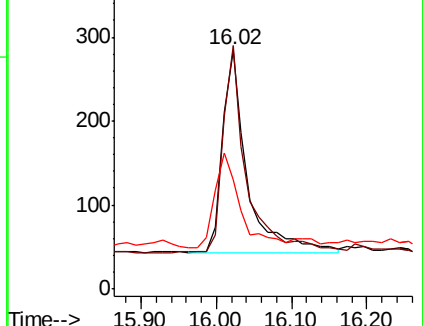
141 47.2 39.0 58.4

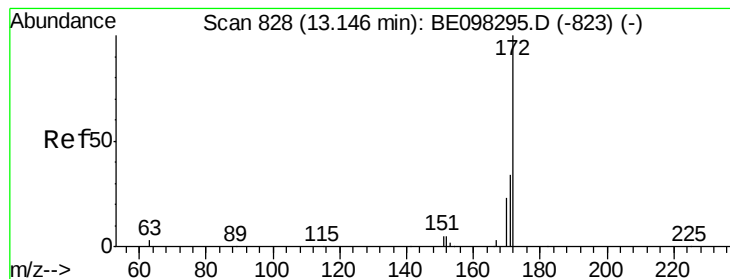


Abundance Ion 330.00 (329.70 to 330.70): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

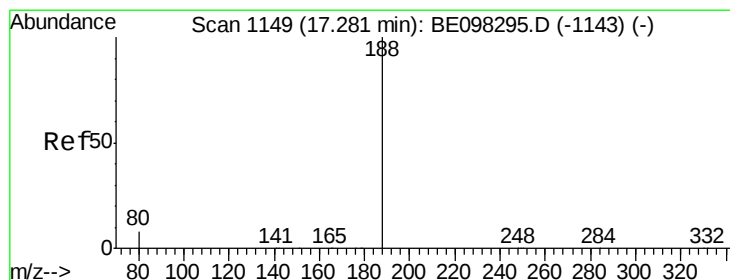
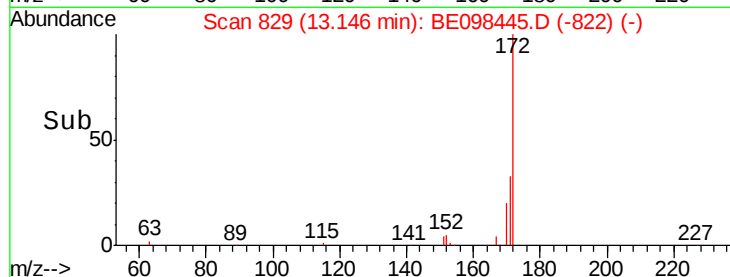
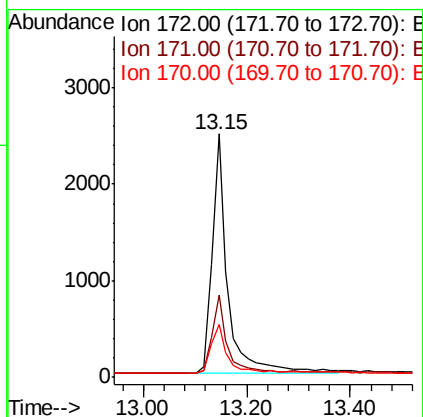
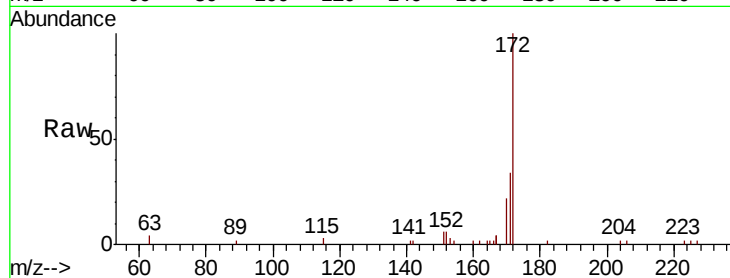




#15
2-Fluorobiphenyl
Concen: 0.486 ng
RT: 13.15 min Scan# 829
Delta R.T. -0.00 min
Lab File: BE098445.D
Acq: 14 Dec 2018 20:55

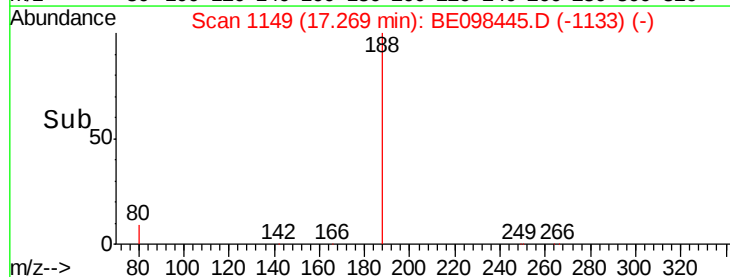
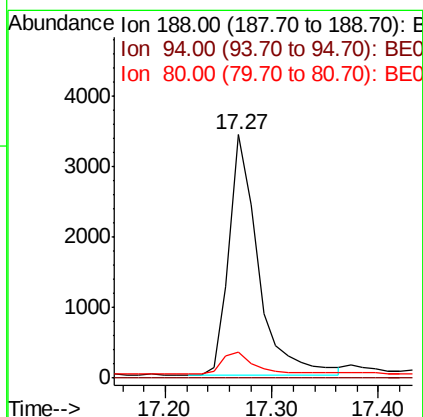
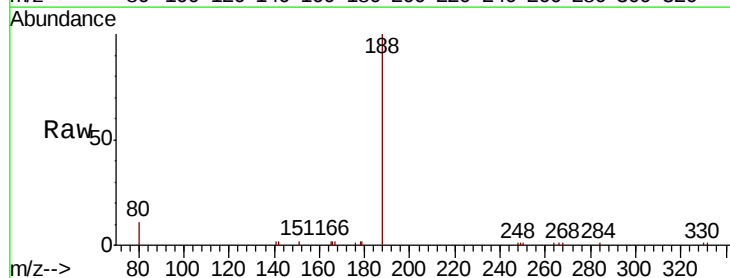
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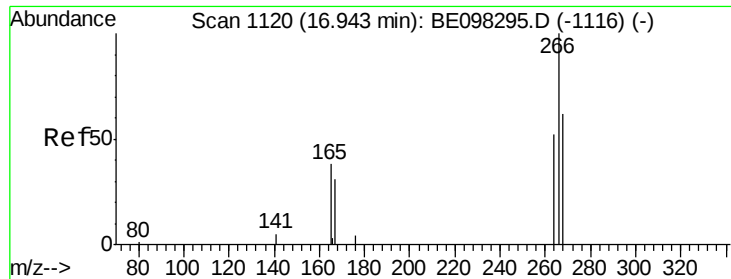
Tgt Ion:172 Resp: 5240
Ion Ratio Lower Upper
172 100
171 33.9 27.5 41.3
170 21.9 19.6 29.4



#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.27 min Scan# 1149
Delta R.T. -0.01 min
Lab File: BE098445.D
Acq: 14 Dec 2018 20:55

Tgt Ion:188 Resp: 6437
Ion Ratio Lower Upper
188 100
94 0.0 0.0 0.0
80 10.8 7.2 10.8#

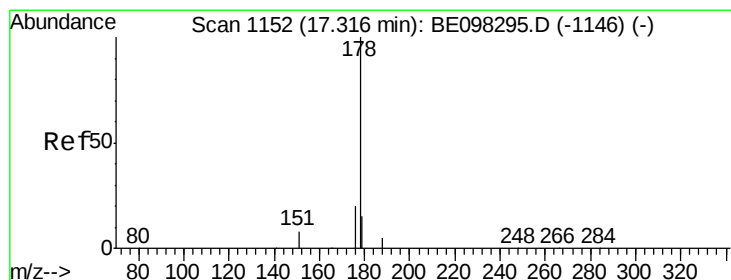
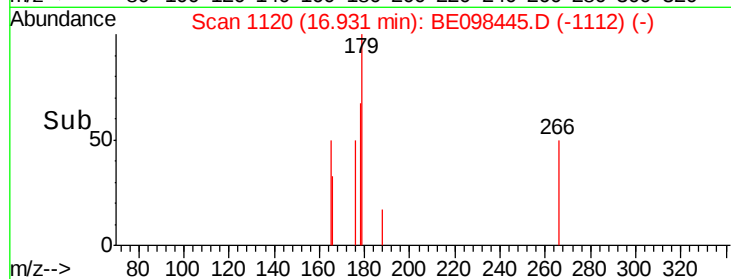
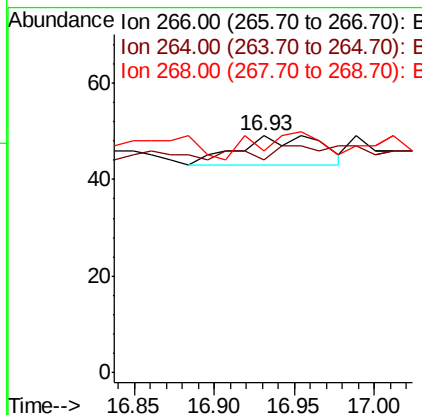
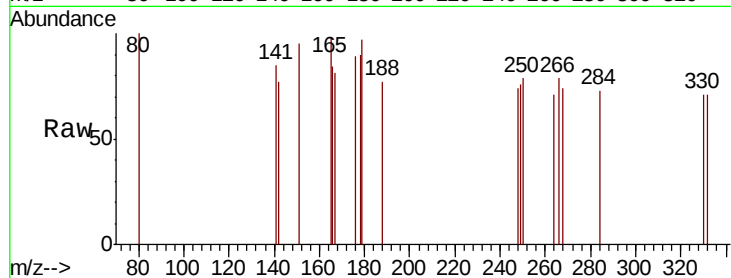




#22
 Pentachlorophenol
 Concen: 0.055 ng
 RT: 16.93 min Scan# 1120
 Delta R.T. -0.01 min
 Lab File: BE098445.D
 Acq: 14 Dec 2018 20:55

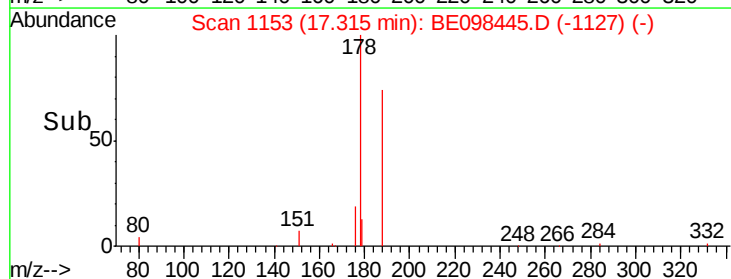
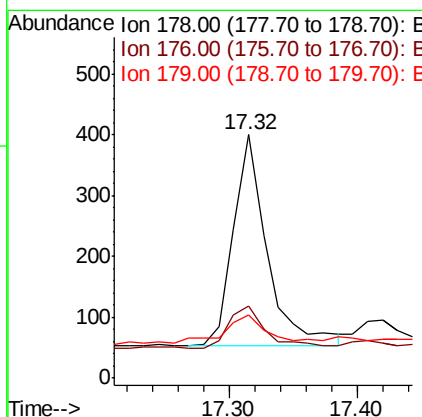
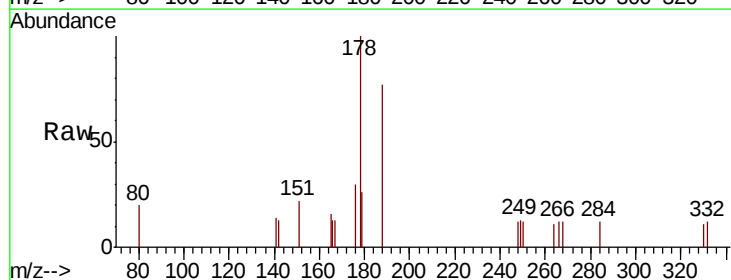
Instrument :
 BNA_E
 ClientSampleId :
 BP-HN-MW29IR-20181209

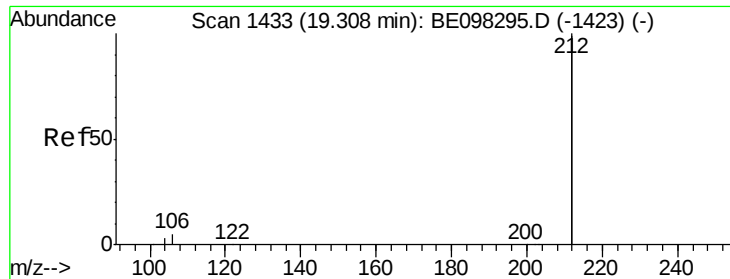
Tgt Ion: 266 Resp: 22
 Ion Ratio Lower Upper
 266 100
 264 89.8 59.0 88.4#
 268 93.9 55.1 82.7#



#23
 Phenanthrene
 Concen: 0.041 ng
 RT: 17.32 min Scan# 1153
 Delta R.T. -0.00 min
 Lab File: BE098445.D
 Acq: 14 Dec 2018 20:55

Tgt Ion: 178 Resp: 639
 Ion Ratio Lower Upper
 178 100
 176 21.3 15.9 23.9
 179 22.7 12.3 18.5#

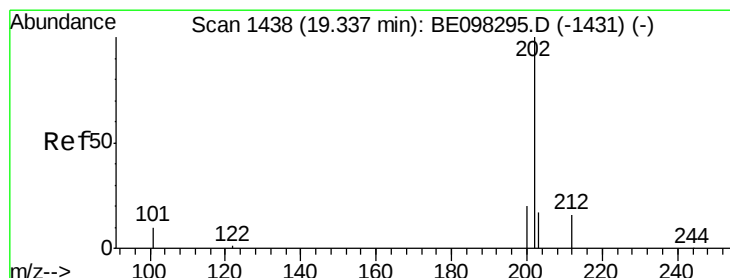
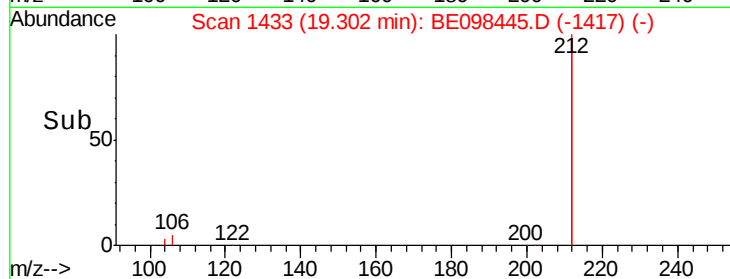
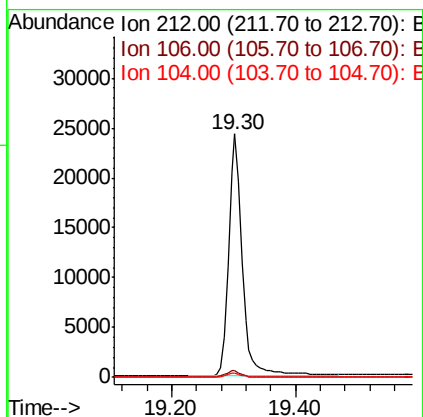
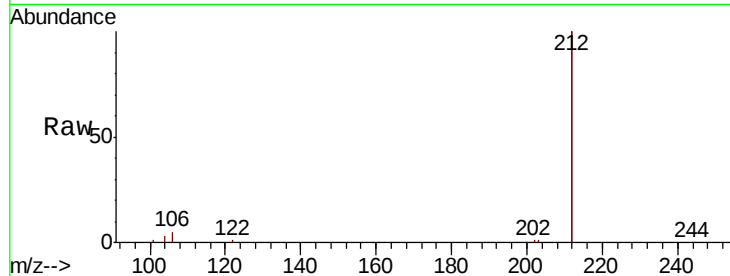




#25
Fluoranthene-d10
Concen: 0.450 ng
RT: 19.30 min Scan# 1433
Delta R.T. -0.01 min
Lab File: BE098445.D
Acq: 14 Dec 2018 20:55

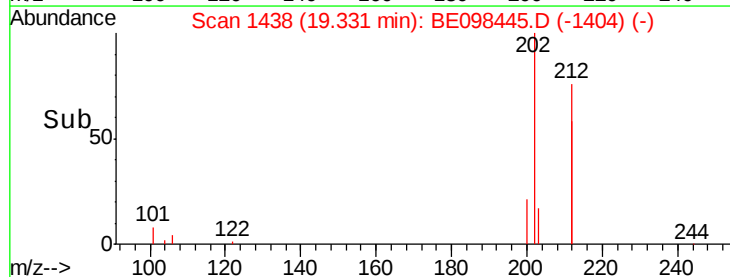
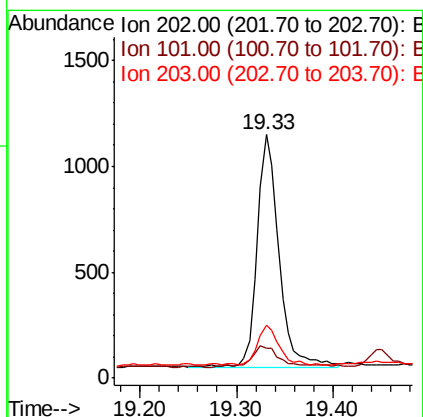
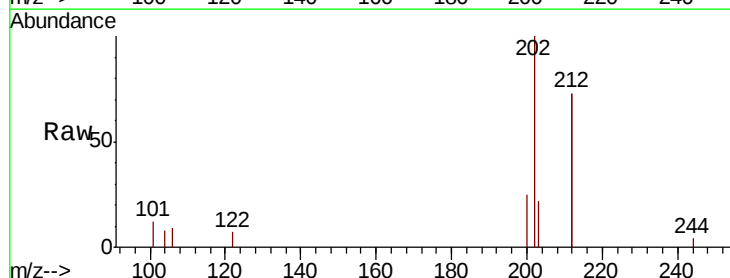
Instrument :
BNA_E
ClientSampleId :
BP-HN-MW29IR-20181209

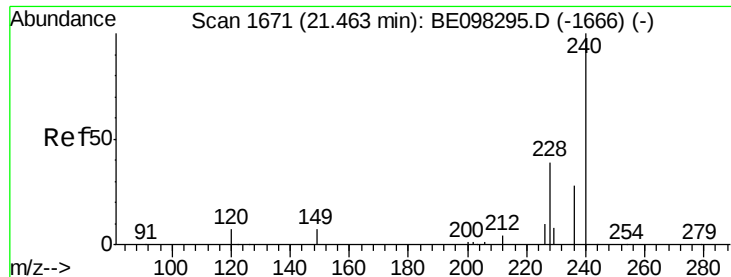
Tgt Ion:212 Resp: 37183
Ion Ratio Lower Upper
212 100
106 2.5 2.2 3.2
104 1.6 1.3 1.9



#26
Fluoranthene
Concen: 0.083 ng
RT: 19.33 min Scan# 1438
Delta R.T. -0.01 min
Lab File: BE098445.D
Acq: 14 Dec 2018 20:55

Tgt Ion:202 Resp: 1718
Ion Ratio Lower Upper
202 100
101 11.4 8.0 12.0
203 16.8 13.8 20.6

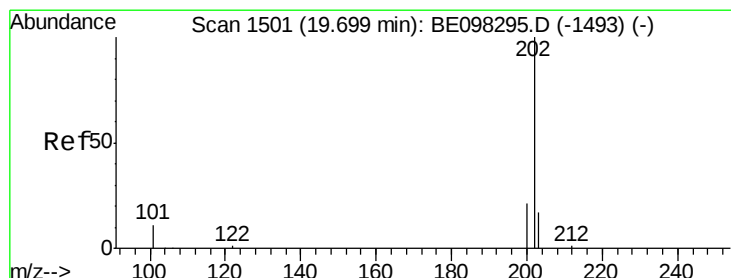
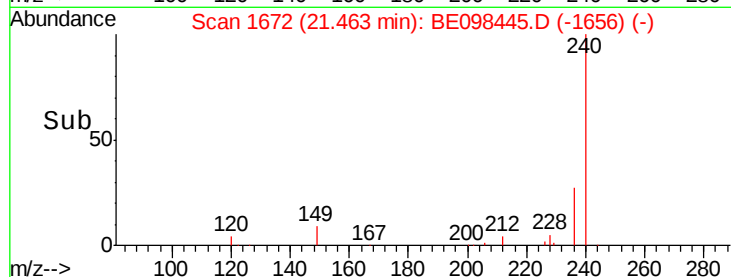
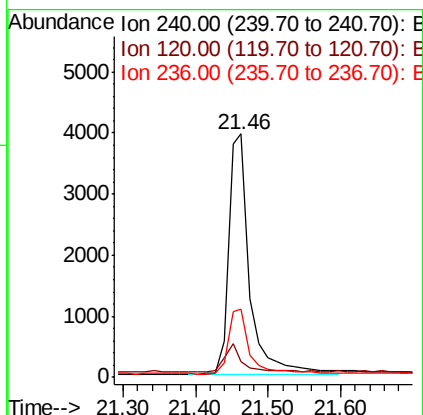
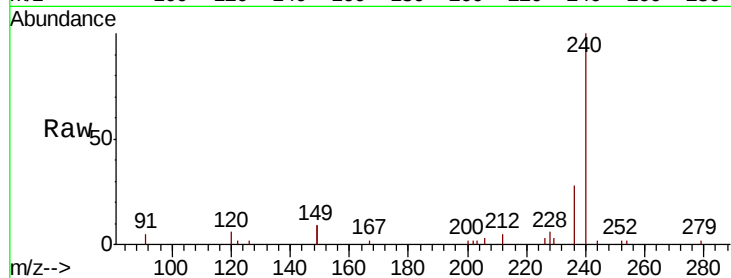




#27
Chrysene-d12
Concen: 0.400 ng
RT: 21.46 min Scan# 1672
Delta R.T. -0.00 min
Lab File: BE098445.D
Acq: 14 Dec 2018 20:55

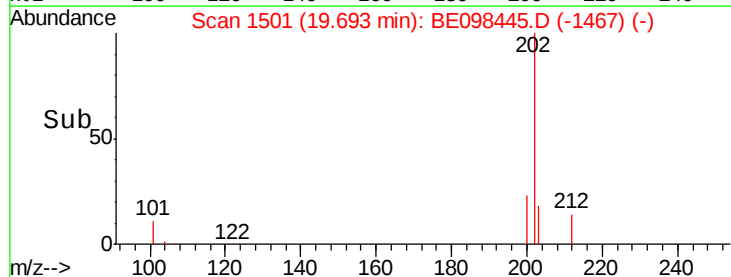
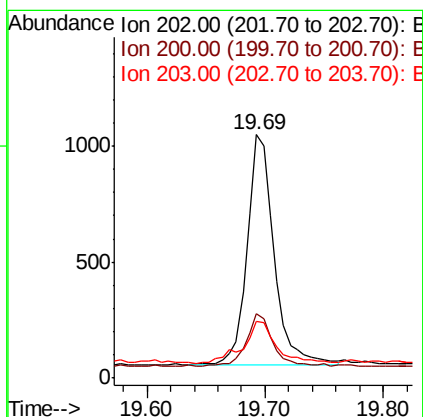
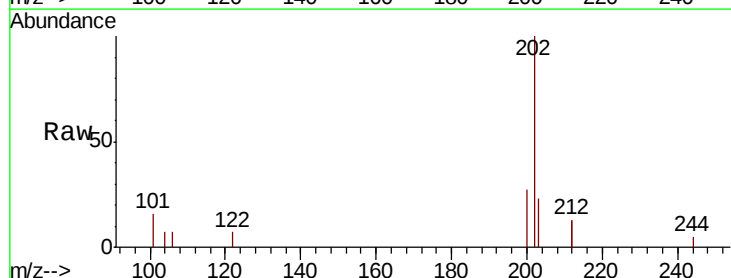
Instrument :
BNA_E
ClientSampleId :
BP-HN-MW29IR-20181209

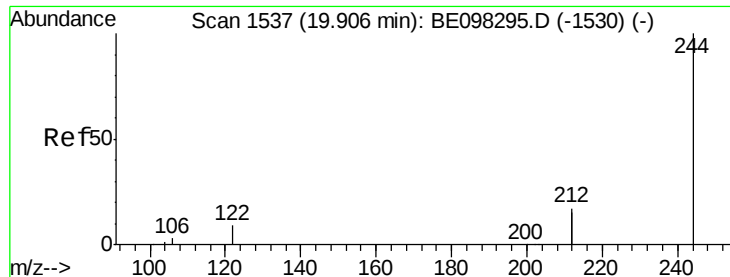
Tgt Ion:240 Resp: 8063
Ion Ratio Lower Upper
240 100
120 6.3 9.5 14.3#
236 27.9 22.7 34.1



#28
Pyrene
Concen: 0.062 ng
RT: 19.69 min Scan# 1501
Delta R.T. -0.01 min
Lab File: BE098445.D
Acq: 14 Dec 2018 20:55

Tgt Ion:202 Resp: 1576
Ion Ratio Lower Upper
202 100
200 22.1 16.7 25.1
203 22.3 14.1 21.1#





#29

Terphenyl-d14

Concen: 0.476 ng

RT: 19.89 min Scan# 1536

Delta R.T. -0.01 min

Lab File: BE098445.D

Acq: 14 Dec 2018 20:55

Instrument :

BNA_E

ClientSampleId :

BP-HN-MW29IR-20181209

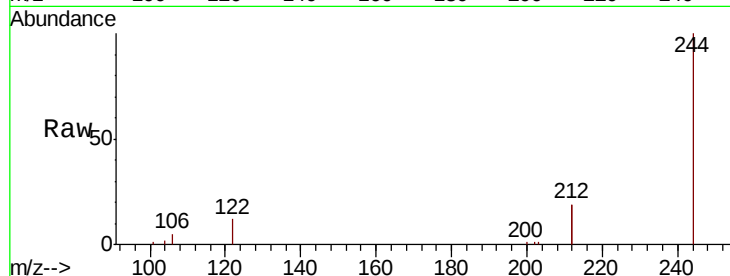
Tgt Ion:244 Resp: 9326

Ion Ratio Lower Upper

244 100

212 37.3 27.4 41.0

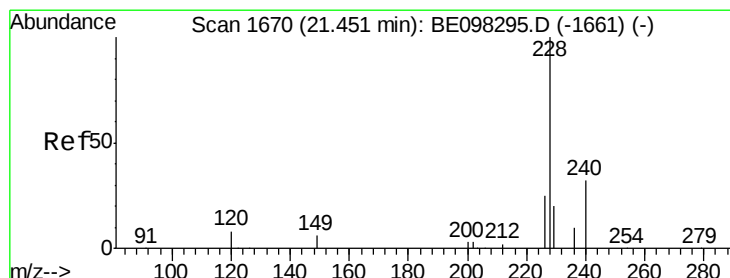
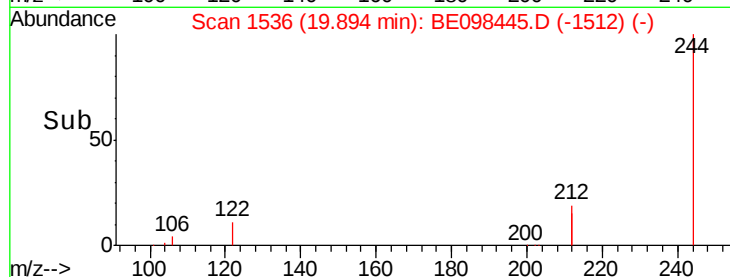
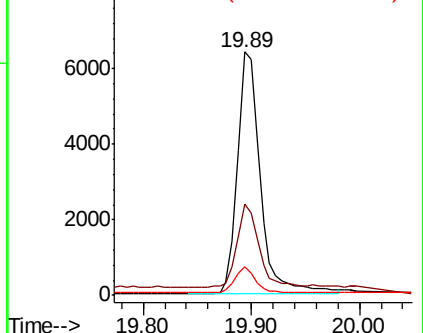
122 11.6 8.3 12.5



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: 0.034 ng

RT: 21.44 min Scan# 1670

Delta R.T. -0.01 min

Lab File: BE098445.D

Acq: 14 Dec 2018 20:55

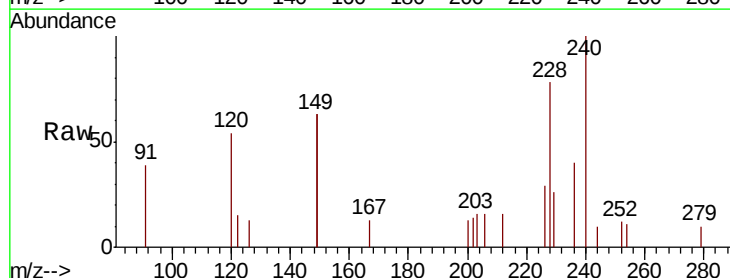
Tgt Ion:228 Resp: 789

Ion Ratio Lower Upper

228 100

226 36.8 21.8 32.8#

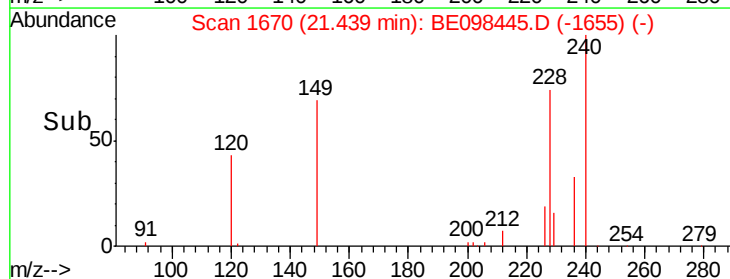
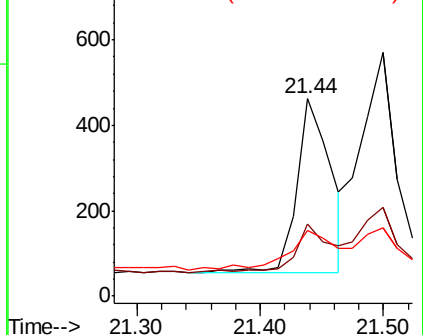
229 33.3 16.3 24.5#

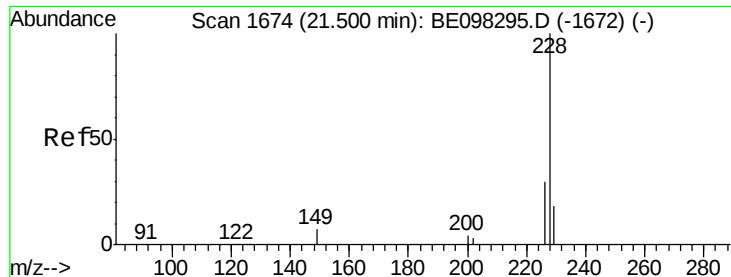


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#31

Chrysene

Concen: 0.042 ng

RT: 21.50 min Scan# 1675

Delta R.T. -0.00 min

Lab File: BE098445.D

Acq: 14 Dec 2018 20:55

Instrument :

BNA_E

ClientSampleId :

BP-HN-MW29IR-20181209

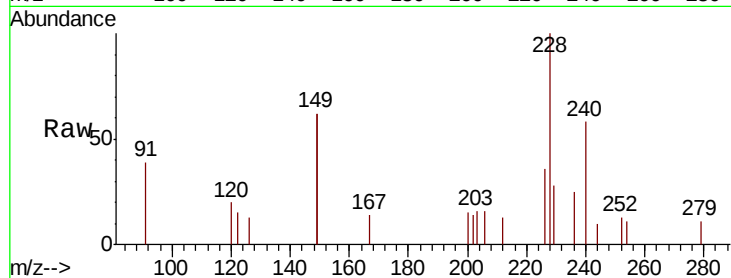
Tgt Ion:228 Resp: 1010

Ion Ratio Lower Upper

228 100

226 36.5 23.4 35.0#

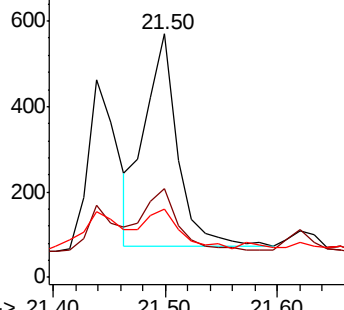
229 27.9 16.2 24.4#



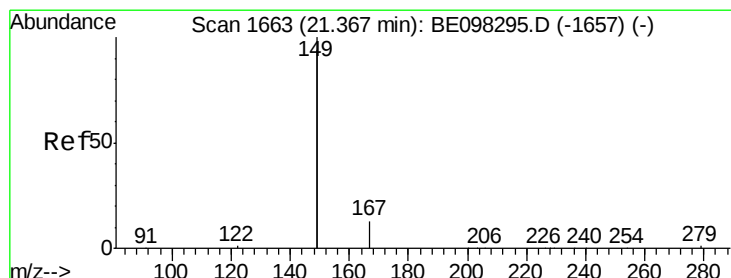
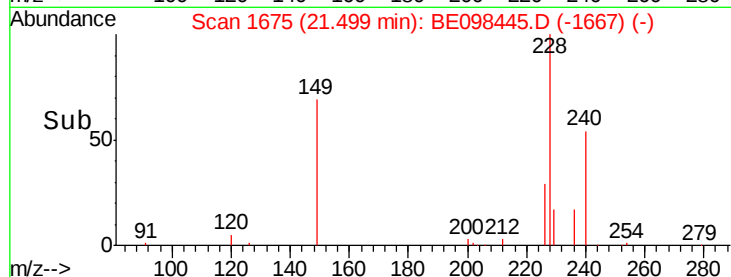
Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



Time--> 21.40 21.50 21.60



#32

Bis(2-ethylhexyl)phthalate

Concen: 0.167 ng

RT: 21.35 min Scan# 1663

Delta R.T. -0.01 min

Lab File: BE098445.D

Acq: 14 Dec 2018 20:55

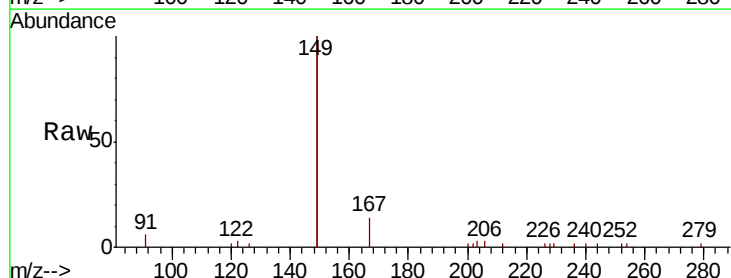
Tgt Ion:149 Resp: 7783

Ion Ratio Lower Upper

149 100

167 6.9 5.7 8.5

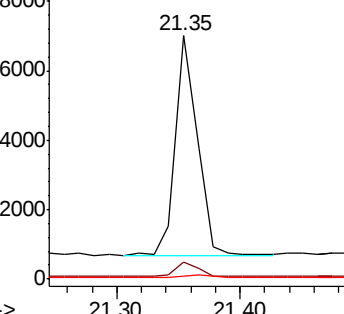
279 1.7 1.0 1.4#



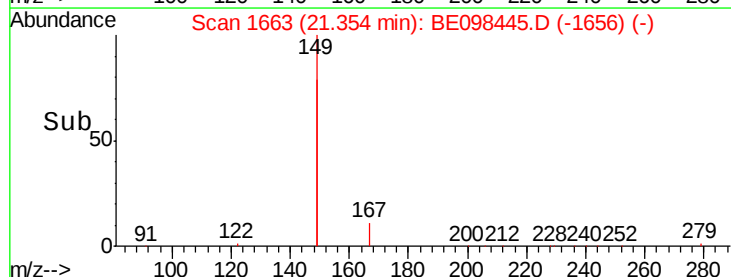
Abundance Ion 149.00 (148.70 to 149.70): E

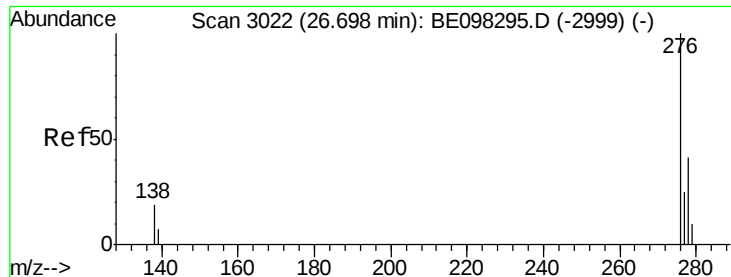
Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E



Time--> 21.30 21.40





#33

Indeno(1,2,3-cd)pyrene

Concen: 0.028 ng

RT: 26.70 min Scan# 3022

Delta R.T. -0.00 min

Lab File: BE098445.D

Acq: 14 Dec 2018 20:55

Instrument :

BNA_E

ClientSampleId :

BP-HN-MW29IR-20181209

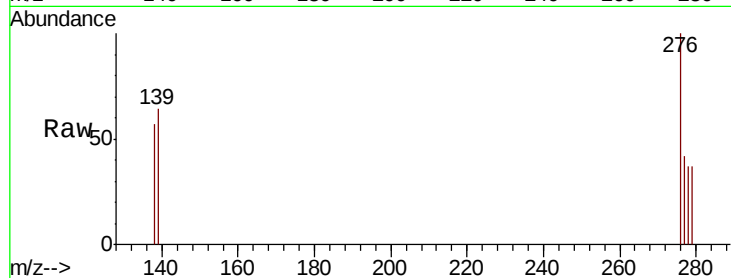
Tgt Ion:276 Resp: 682

Ion Ratio Lower Upper

276 100

138 31.5 16.3 24.5#

277 10.4 20.2 30.4#

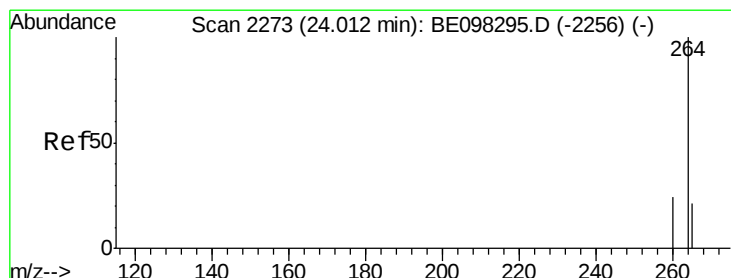
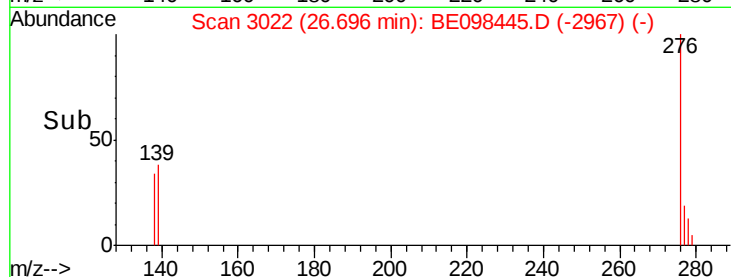
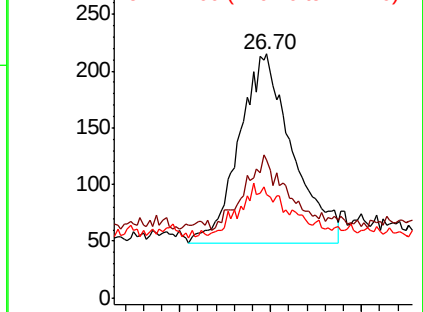


Abundance

Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E



#34

Perylene-d12

Concen: 0.400 ng

RT: 24.00 min Scan# 2270

Delta R.T. -0.01 min

Lab File: BE098445.D

Acq: 14 Dec 2018 20:55

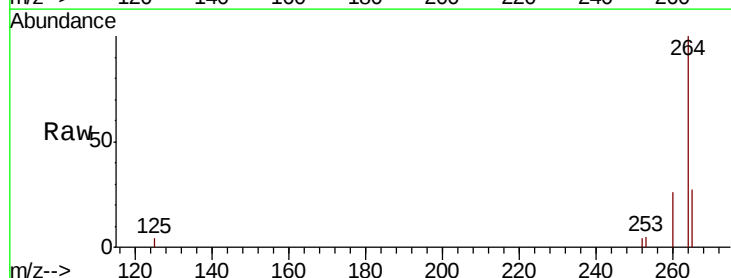
Tgt Ion:264 Resp: 7696

Ion Ratio Lower Upper

264 100

260 26.4 20.2 30.2

265 27.5 25.2 37.8

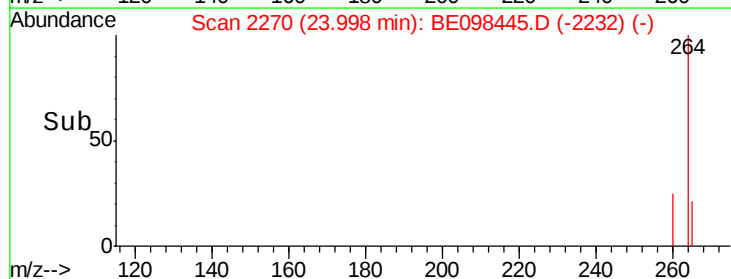
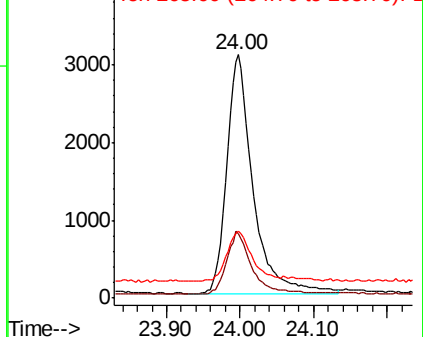


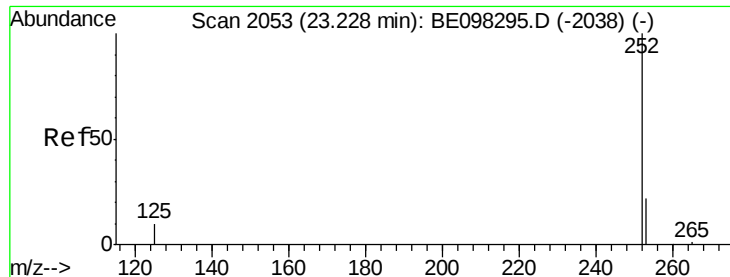
Abundance

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: 0.072 ng

RT: 23.23 min Scan# 2054

Delta R.T. -0.00 min

Lab File: BE098445.D

Acq: 14 Dec 2018 20:55

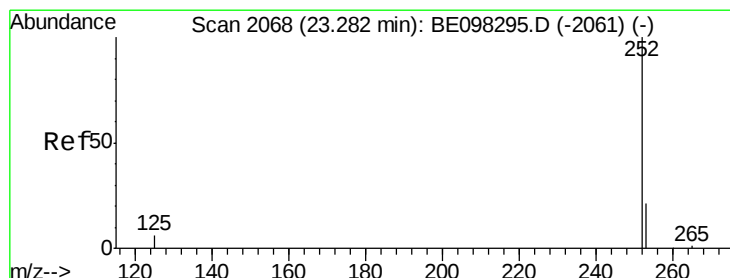
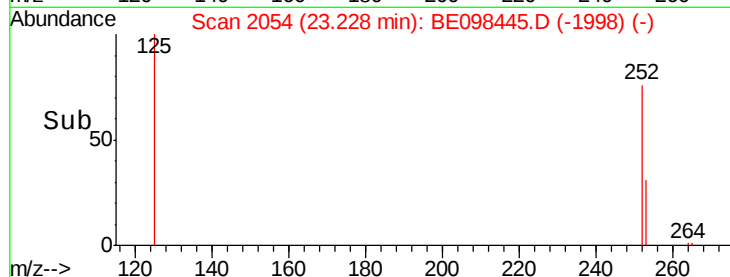
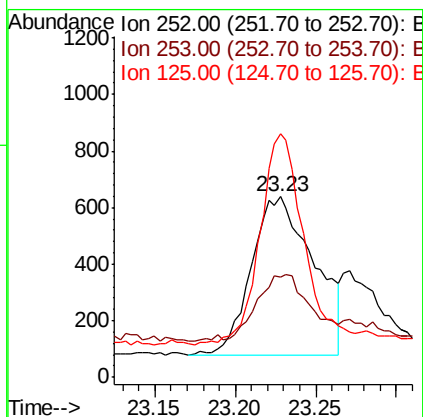
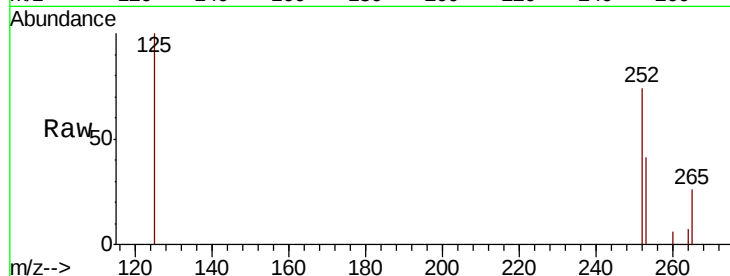
Instrument :

BNA_E

ClientSampleId :

BP-HN-MW29IR-20181209

Tgt Ion:	252	Resp:	1513
Ion	Ratio	Lower	Upper
252	100		
253	55.4	20.0	30.0#
125	134.7	9.6	14.4#



#36

Benzo(k)fluoranthene

Concen: 0.062 ng

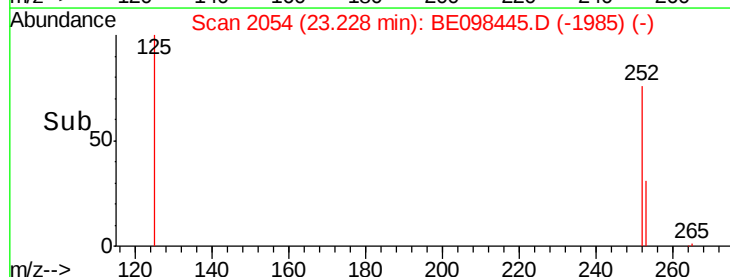
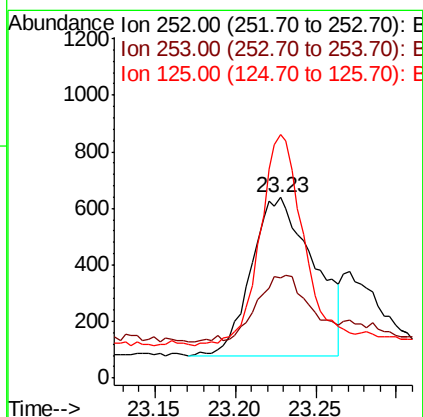
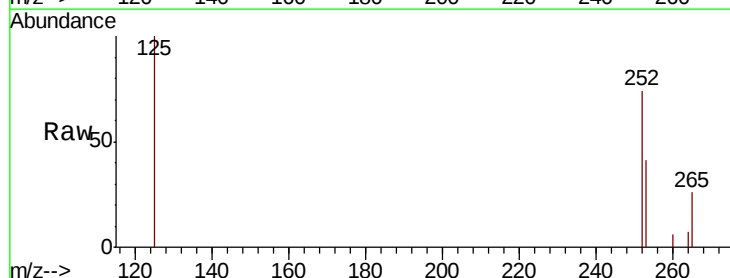
RT: 23.23 min Scan# 2054

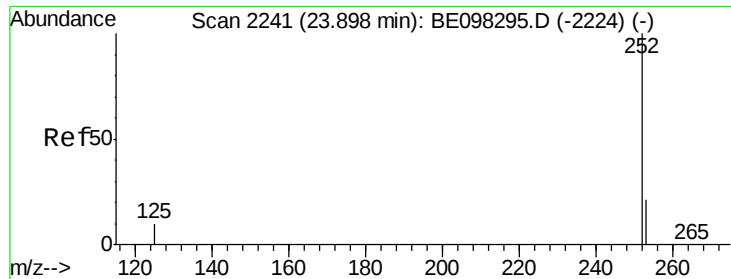
Delta R.T. -0.05 min

Lab File: BE098445.D

Acq: 14 Dec 2018 20:55

Tgt Ion:	252	Resp:	1513
Ion	Ratio	Lower	Upper
252	100		
253	55.4	19.0	28.6#
125	134.7	9.1	13.7#





#37

Benzo(a)pyrene

Concen: 0.040 ng

RT: 23.89 min Scan# 2239

Delta R.T. -0.01 min

Lab File: BE098445.D

Acq: 14 Dec 2018 20:55

Instrument :

BNA_E

ClientSampleId :

BP-HN-MW29IR-20181209

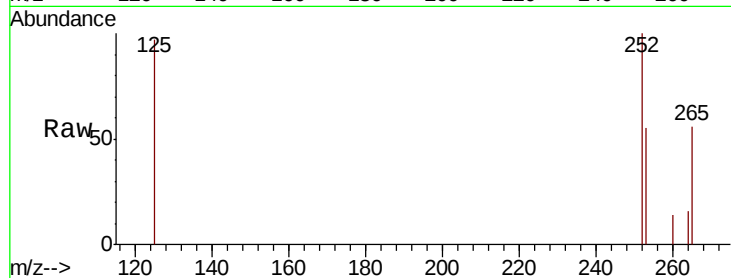
Tgt Ion:252 Resp: 863

Ion Ratio Lower Upper

252 100

253 54.5 20.6 30.8#

125 97.2 10.5 15.7#

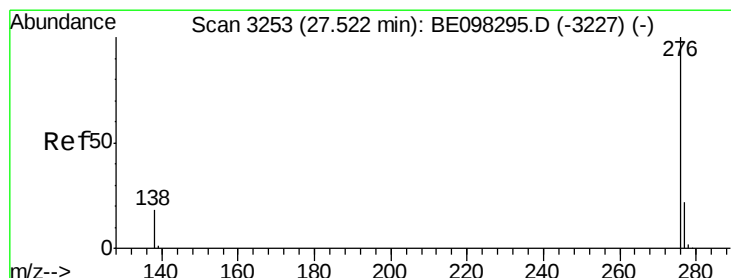
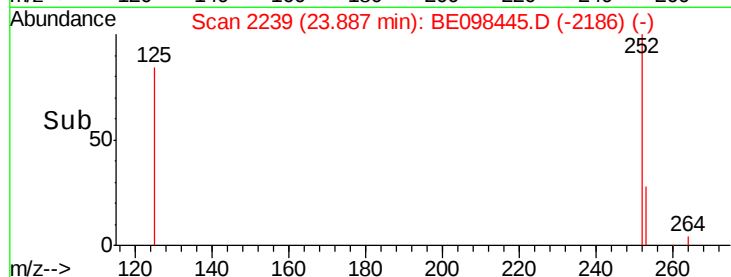
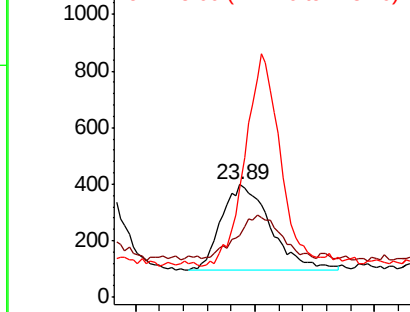


Abundance

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: 0.032 ng

RT: 27.52 min Scan# 3252

Delta R.T. -0.01 min

Lab File: BE098445.D

Acq: 14 Dec 2018 20:55

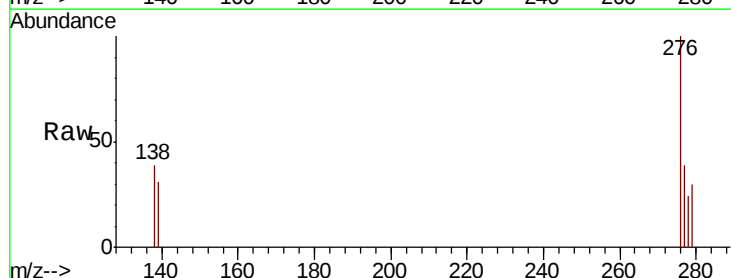
Tgt Ion:276 Resp: 658

Ion Ratio Lower Upper

276 100

277 39.4 20.8 31.2#

138 39.0 15.8 23.6#



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

