

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN041420\
 Data File : BN010491.D
 Acq On : 14 Apr 2020 23:18
 Operator : CG/JU
 Sample : L2178-06
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 MW-2F

Quant Time: Apr 15 16:42:53 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\8270-SIM-BN041320.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Apr 13 18:04:22 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.61	152	3256	0.40	ng	0.00
7) Naphthalene-d8	10.37	136	13753	0.40	ng	0.00
13) Acenaphthene-d10	14.23	164	9477	0.40	ng	0.00
19) Phenanthrene-d10	16.97	188	22674	0.40	ng	-0.01
27) Chrysene-d12	21.18	240	23967	0.40	ng	-0.01
34) Perylene-d12	23.35	264	21873	0.40	ng	-0.01

System Monitoring Compounds						
4) 2-Fluorophenol	5.25	112	1605	0.23	ng	0.00
5) Phenol-d6	6.79	99	1232	0.13	ng	0.00
8) Nitrobenzene-d5	8.73	82	7570	0.79	ng	-0.01
11) 2-Methylnaphthalene-d10	11.96	152	9139	0.40	ng	0.00
14) 2,4,6-Tribromophenol	15.72	330	2652	0.59	ng	0.00
15) 2-Fluorobiphenyl	12.85	172	26791	0.78	ng	0.00
25) Fluoranthene-d10	19.01	212	28590	0.42	ng	0.00
29) Terphenyl-d14	19.62	244	45900	0.84	ng	0.00

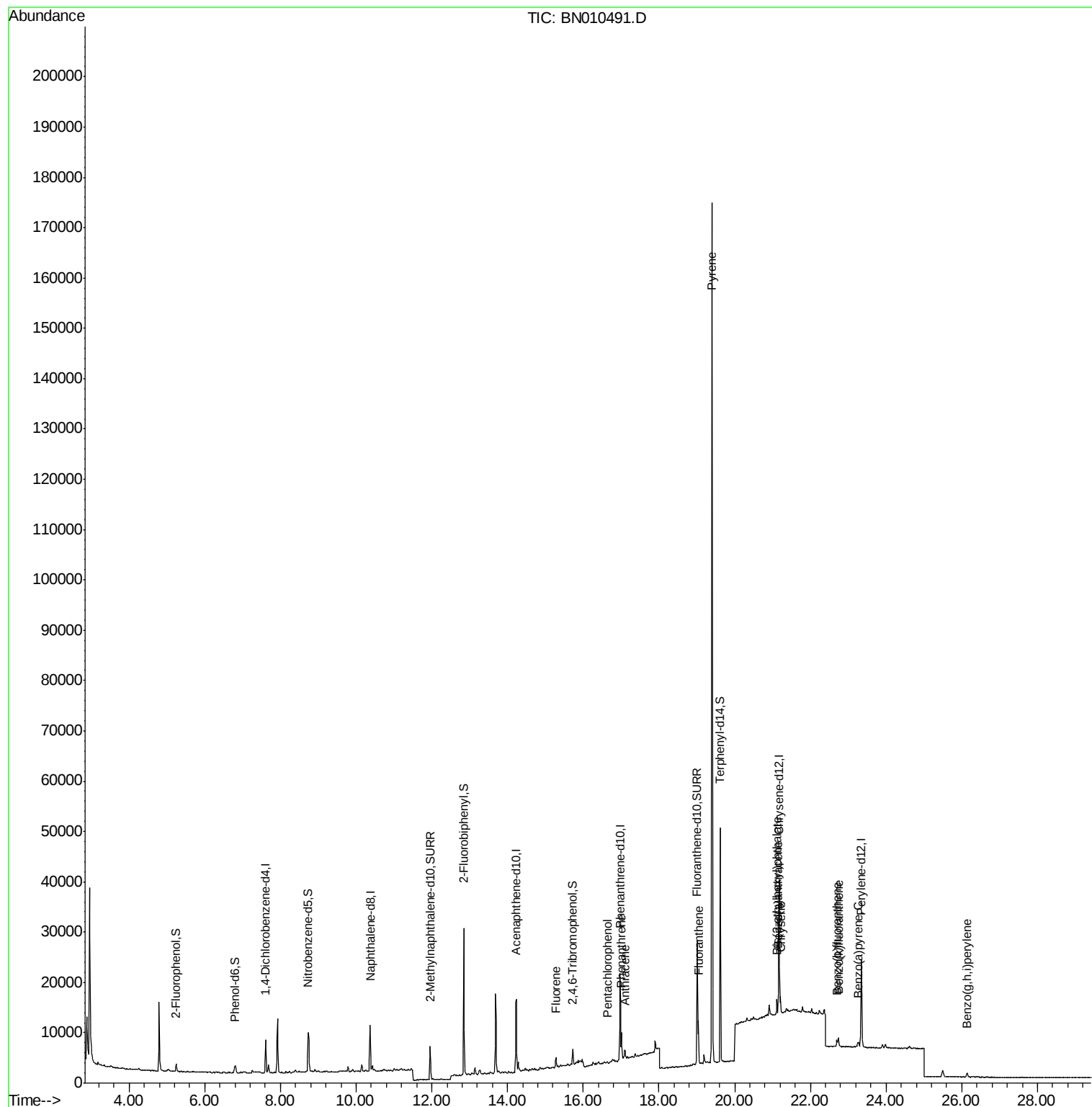
Target Compounds				Qvalue		
18) Fluorene	15.28	166	964	0.028	ng	# 77
22) Pentachlorophenol	16.63	266	119	0.021	ng	# 84
23) Phenanthrene	17.01	178	5423	0.089	ng	96
24) Anthracene	17.11	178	1704	0.030	ng	# 86
26) Fluoranthene	19.04	202	7786	0.102	ng	99
28) Pyrene	19.40	202	151517	1.878	ng	100
30) Benzo(a)anthracene	21.16	228	2148	0.027	ng	# 57
31) Chrysene	21.21	228	2695	0.035	ng	# 67
32) Bis(2-ethylhexyl)phthalate	21.11	149	2666	0.066	ng	# 94
35) Benzo(b)fluoranthene	22.70	252	1726	0.024	ng	# 1
36) Benzo(k)fluoranthene	22.74	252	1566	0.022	ng	# 1
37) Benzo(a)pyrene	23.25	252	1505	0.024	ng	# 1
39) Benzo(a,h,i)perylene	26.14	276	1440	0.025	ng	# 49

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

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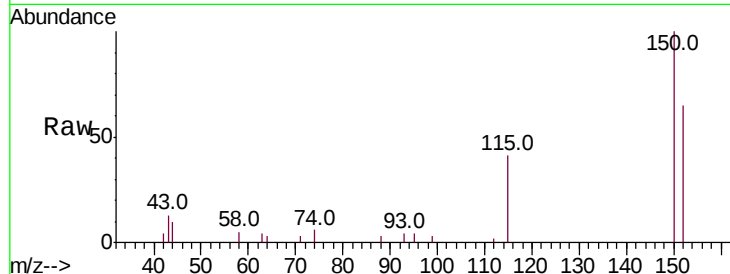


#1

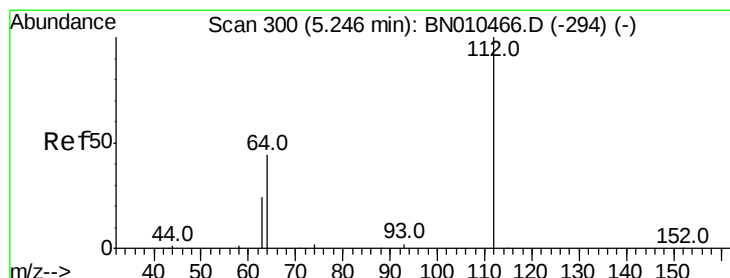
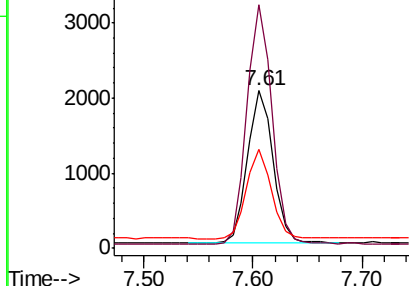
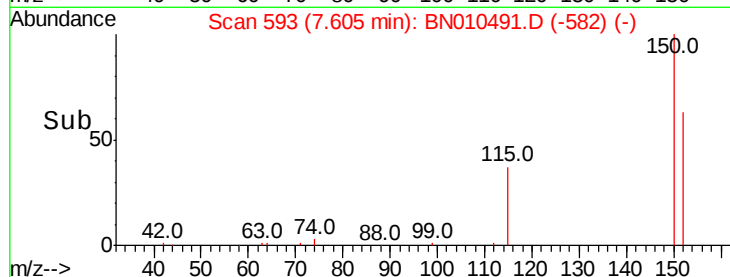
1,4-Dichlorobenzene-d4
 Concen: 0.400 ng
 RT: 7.61 min Scan# 593
 Delta R.T. -0.01 min
 Lab File: BN010491.D
 Acq: 14 Apr 2020 23:18

Instrument :
 BNA_N
 ClientSampleId :
 MW-2F

Tot Ion:152 Resp: 3256
 Ion Ratio Lower Upper
 152 100
 150 154.8 121.8 182.6
 115 62.8 45.5 68.3



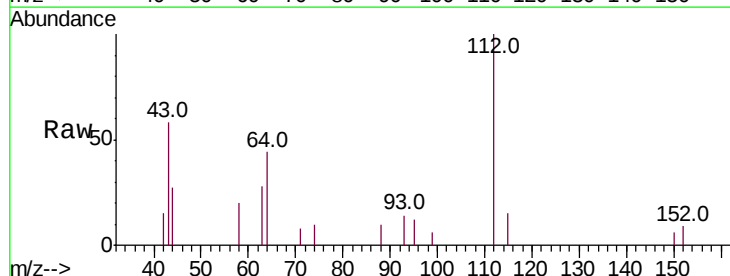
Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E



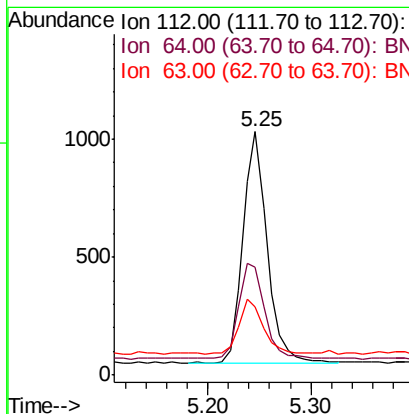
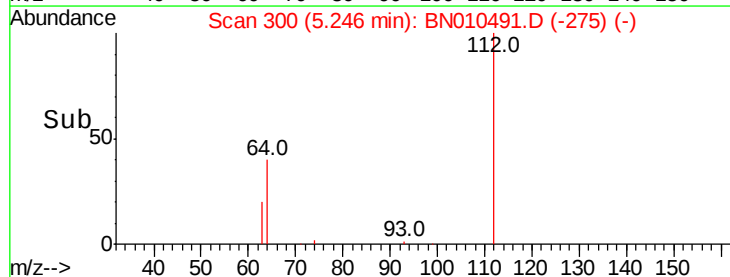
#4

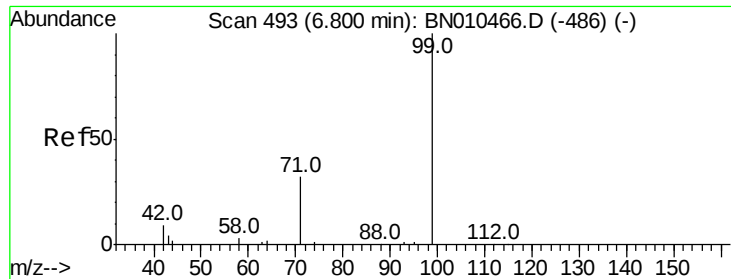
2-Fluorophenol
 Concen: 0.225 ng
 RT: 5.25 min Scan# 300
 Delta R.T. -0.00 min
 Lab File: BN010491.D
 Acq: 14 Apr 2020 23:18

Tgt Ion:112 Resp: 1605
 Ion Ratio Lower Upper
 112 100
 64 44.1 35.8 53.8
 63 23.6 19.9 29.9



Abundance Ion 112.00 (111.70 to 112.70): E
 Ion 64.00 (63.70 to 64.70): BNC
 Ion 63.00 (62.70 to 63.70): BNC





#5

Phenol-d6

Concen: 0.132 ng

RT: 6.79 min Scan# 492

Delta R.T. -0.01 min

Lab File: BN010491.D

Acq: 14 Apr 2020 23:18

Instrument :

BNA_N

ClientSampleId :

MW-2F

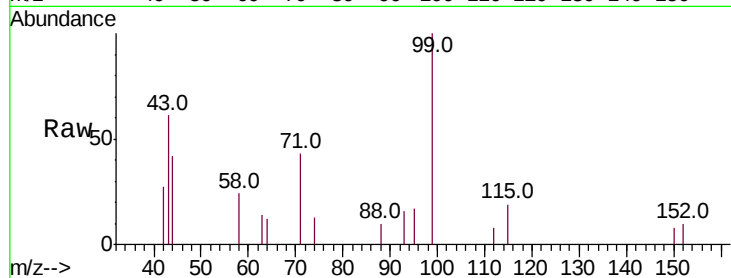
Tot Ion: 99 Resp: 1232

Ion Ratio Lower Upper

99 100

42 20.0 9.8 14.6#

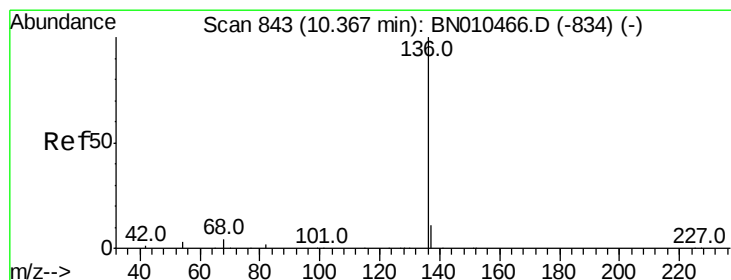
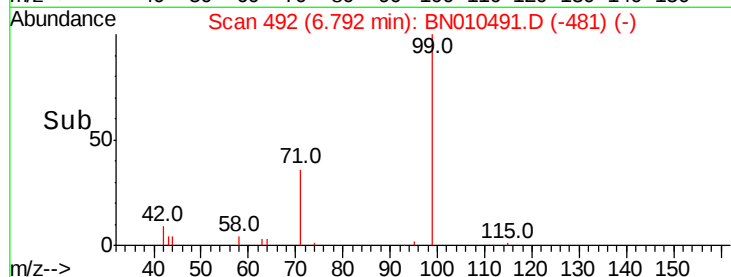
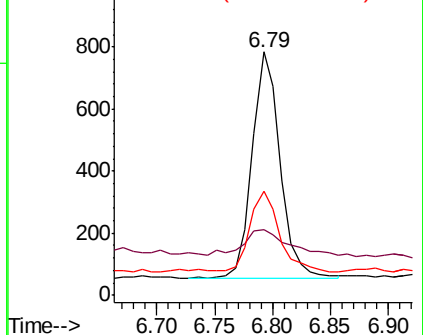
71 36.9 27.8 41.8



Abundance Ion 99.00 (98.70 to 99.70): BN010466.D (-486) (-)

Ion 42.00 (41.70 to 42.70): BN010466.D (-486) (-)

Ion 71.00 (70.70 to 71.70): BN010466.D (-486) (-)



#7

Naphthalene-d8

Concen: 0.400 ng

RT: 10.37 min Scan# 843

Delta R.T. -0.00 min

Lab File: BN010491.D

Acq: 14 Apr 2020 23:18

Tgt Ion: 136 Resp: 13753

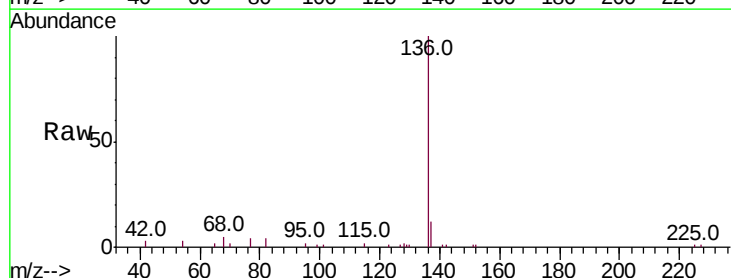
Ion Ratio Lower Upper

136 100

137 11.8 8.9 13.3

54 3.3 2.6 4.0

68 4.6 3.4 5.2

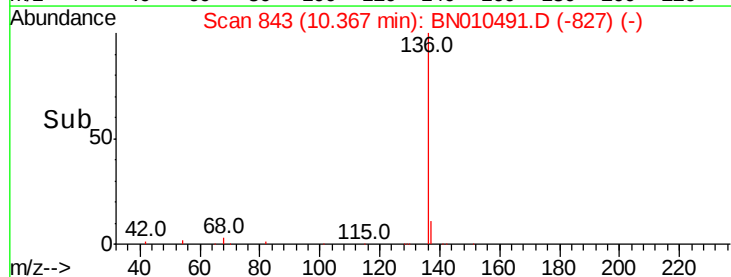
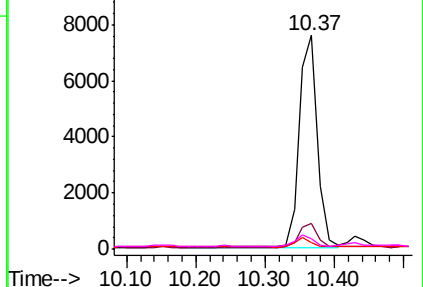


Abundance Ion 136.00 (135.70 to 136.70): BN010466.D (-834) (-)

Ion 137.00 (136.70 to 137.70): BN010466.D (-834) (-)

Ion 54.00 (53.70 to 54.70): BN010466.D (-834) (-)

Ion 68.00 (67.70 to 68.70): BN010466.D (-834) (-)

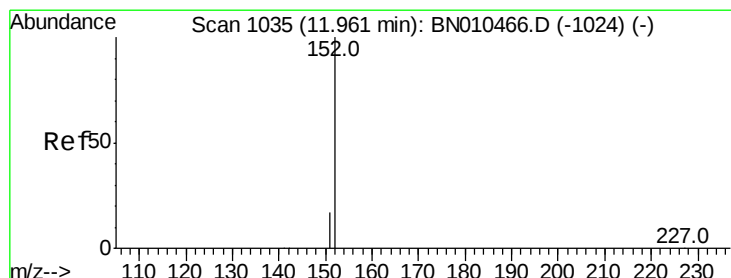
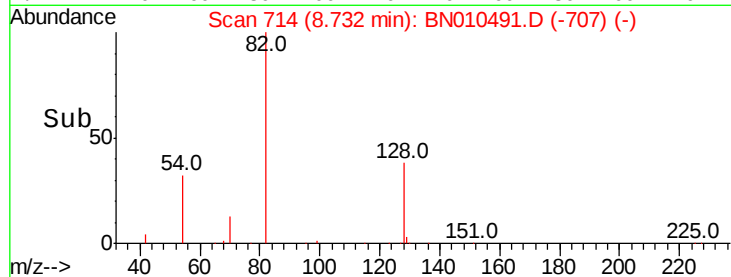
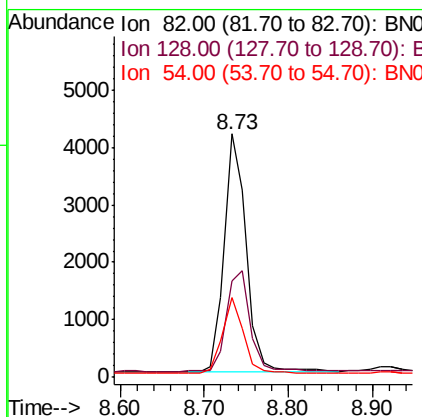
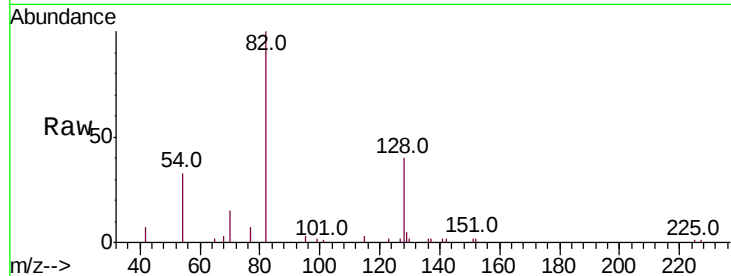




#8
 Nitrobenzene-d5
 Concen: 0.787 ng
 RT: 8.73 min Scan# 714
 Delta R.T. -0.01 min
 Lab File: BN010491.D
 Acq: 14 Apr 2020 23:18

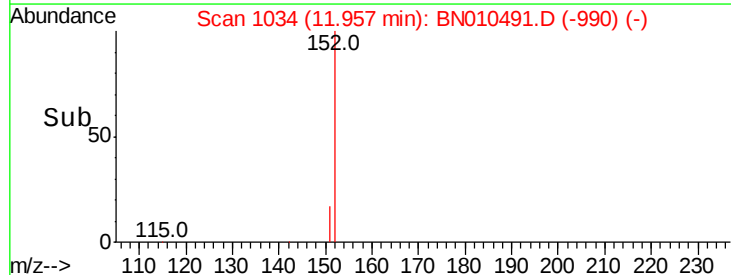
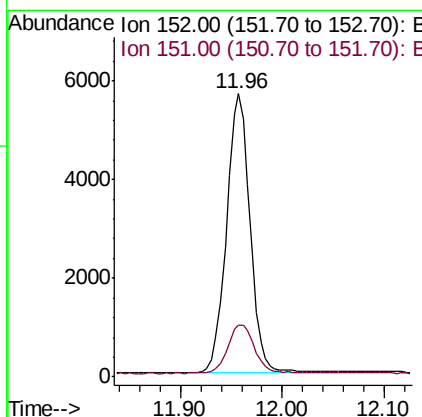
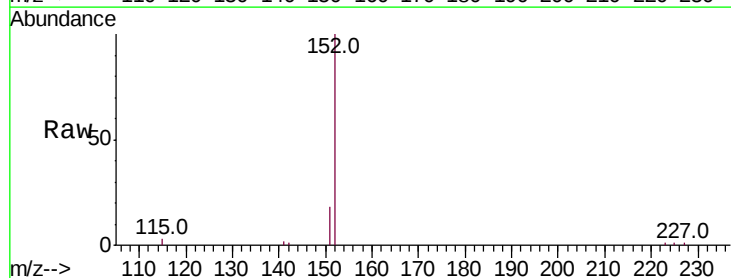
Instrument :
 BNA_N
 ClientSampleId :
 MW-2F

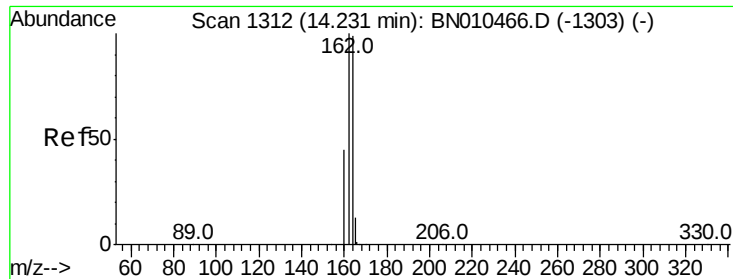
Tot Ion: 82 Resp: 7570
 Ion Ratio Lower Upper
 82 100
 128 39.8 41.3 61.9#
 54 32.8 23.4 35.0



#11
 2-Methylnaphthalene-d10
 Concen: 0.404 ng
 RT: 11.96 min Scan# 1034
 Delta R.T. -0.00 min
 Lab File: BN010491.D
 Acq: 14 Apr 2020 23:18

Tgt Ion: 152 Resp: 9139
 Ion Ratio Lower Upper
 152 100
 151 19.7 15.3 22.9





#13

Acenaphthene-d10

Concen: 0.400 ng

RT: 14.23 min Scan# 1312

Delta R.T. -0.00 min

Lab File: BN010491.D

Acq: 14 Apr 2020 23:18

Instrument :

BNA_N

ClientSampleId :

MW-2F

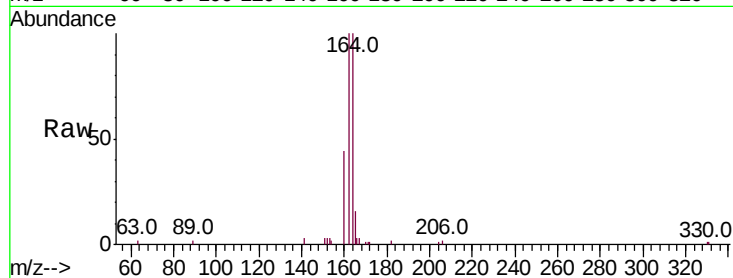
Tot Ion:164 Resp: 9477

Ion Ratio Lower Upper

164 100

162 99.8 80.6 121.0

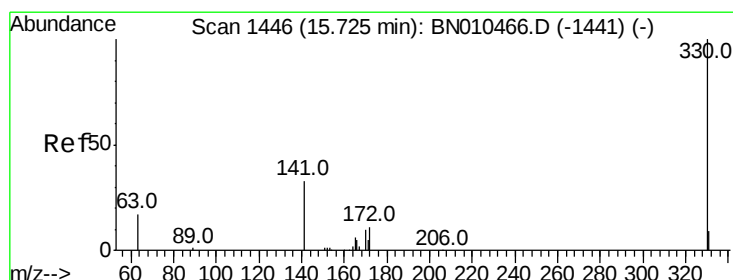
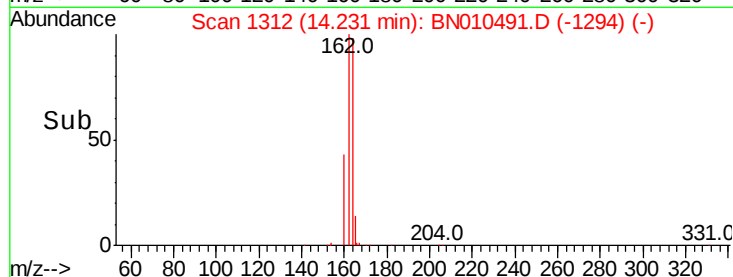
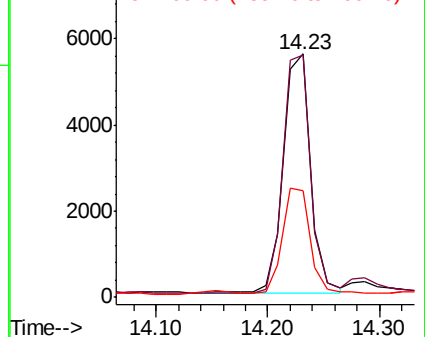
160 43.9 36.5 54.7



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: 0.594 ng

RT: 15.72 min Scan# 1446

Delta R.T. -0.00 min

Lab File: BN010491.D

Acq: 14 Apr 2020 23:18

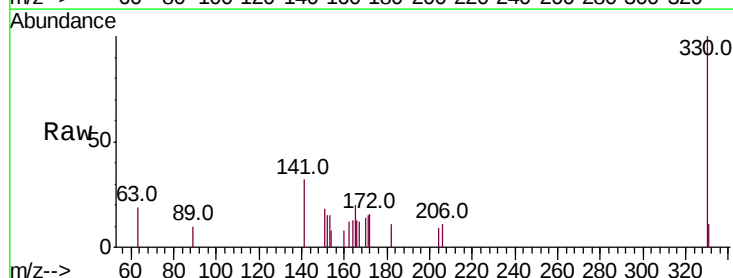
Tgt Ion:330 Resp: 2652

Ion Ratio Lower Upper

330 100

332 0.0 0.0 0.0

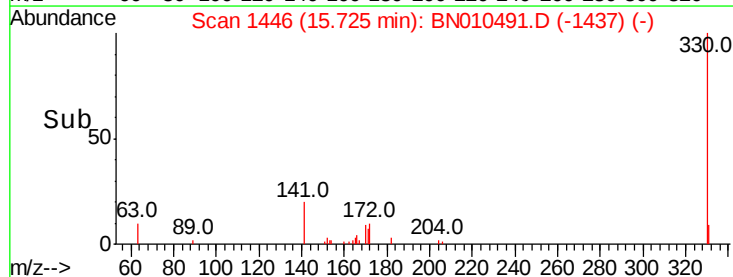
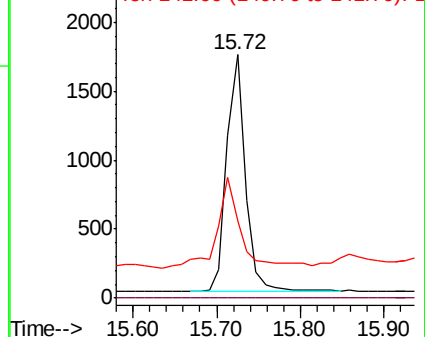
141 40.7 28.1 42.1

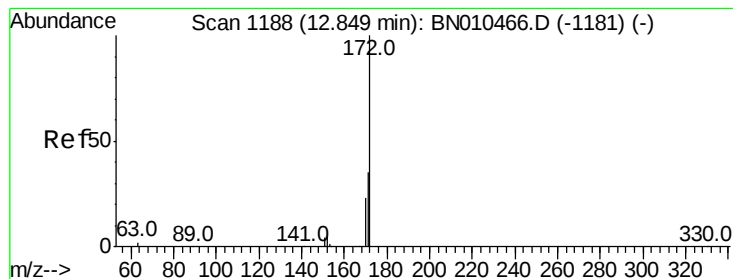


Abundance Ion 330.00 (329.70 to 330.70): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E





#15

2-Fluorobiphenyl

Concen: 0.777 ng

RT: 12.85 min Scan# 1188

Delta R.T. -0.00 min

Lab File: BN010491.D

Acq: 14 Apr 2020 23:18

Instrument :

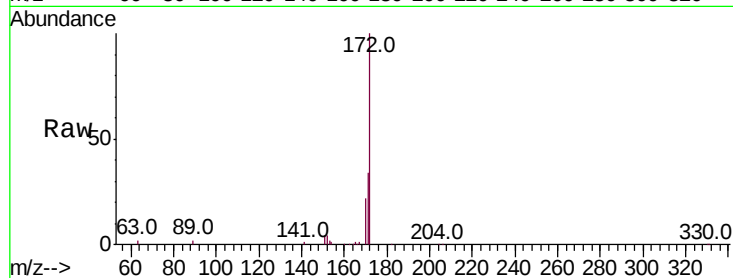
BNA_N

ClientSampleId :

MW-2F

Tot Ion:172 Resp: 26791

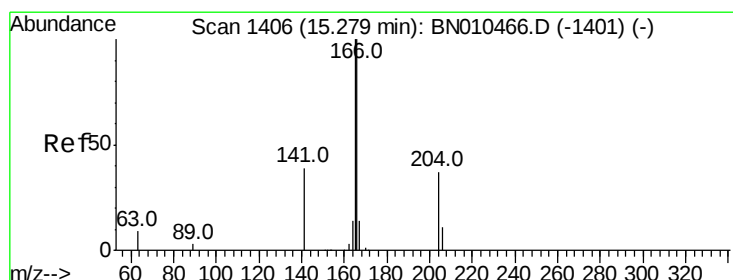
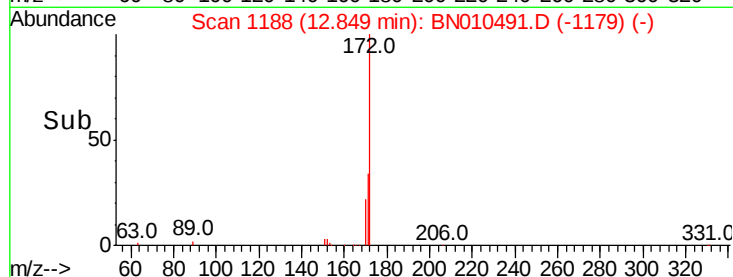
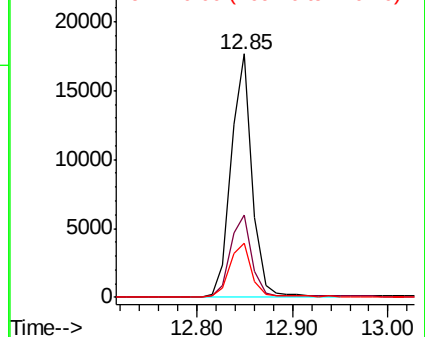
Ion	Ratio	Lower	Upper
172	100		
171	34.0	28.2	42.2
170	22.0	18.4	27.6



Abundance Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E



#18

Fluorene

Concen: 0.028 ng

RT: 15.28 min Scan# 1406

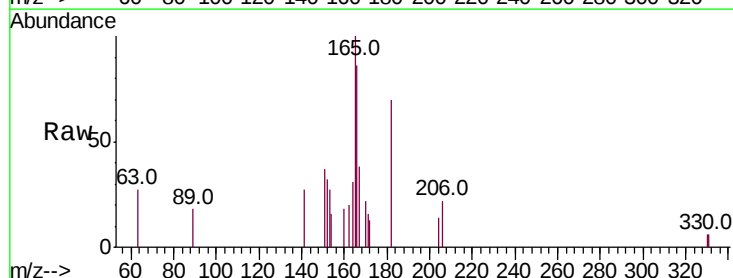
Delta R.T. -0.00 min

Lab File: BN010491.D

Acq: 14 Apr 2020 23:18

Tgt Ion:166 Resp: 964

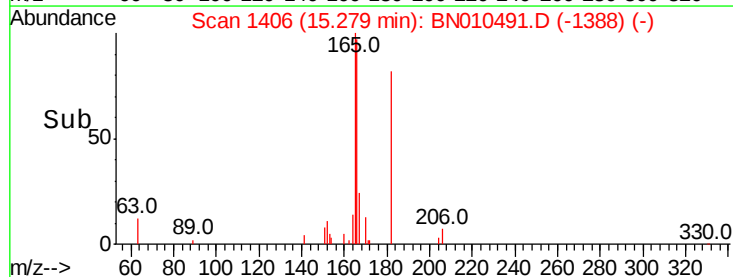
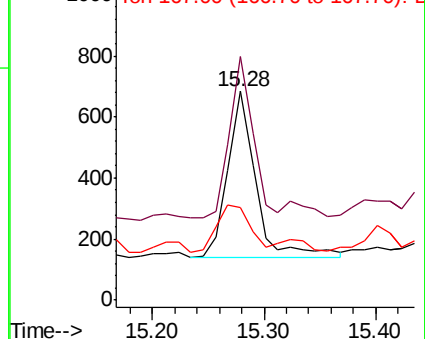
Ion	Ratio	Lower	Upper
166	100		
165	79.4	78.4	117.6
167	34.6	10.9	16.3#

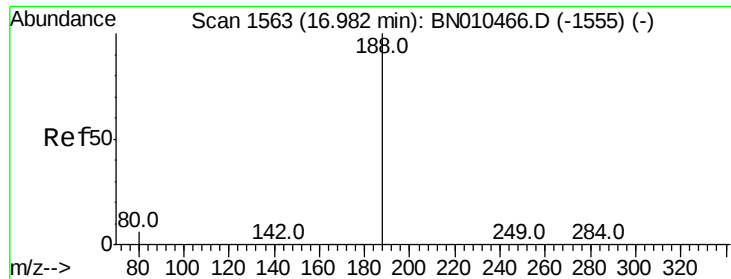


Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E





#19

Phenanthrene-d10

Concen: 0.400 ng

RT: 16.97 min Scan# 1562

Delta R.T. -0.01 min

Lab File: BN010491.D

Acq: 14 Apr 2020 23:18

Instrument :

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ClientSampleId :

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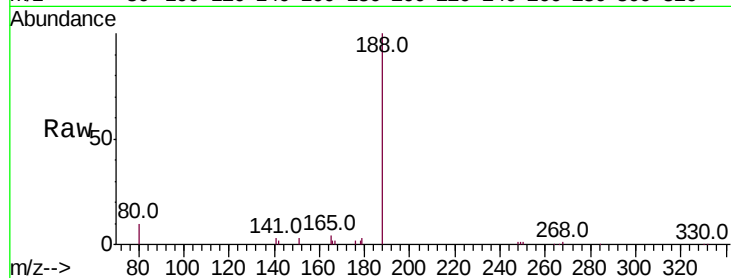
Tot Ion:188 Resp: 22674

Ion Ratio Lower Upper

188 100

94 0.0 0.0 0.0

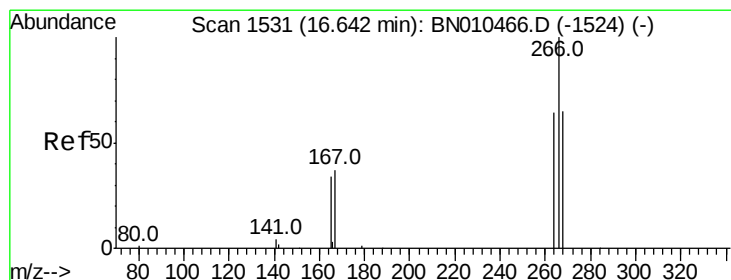
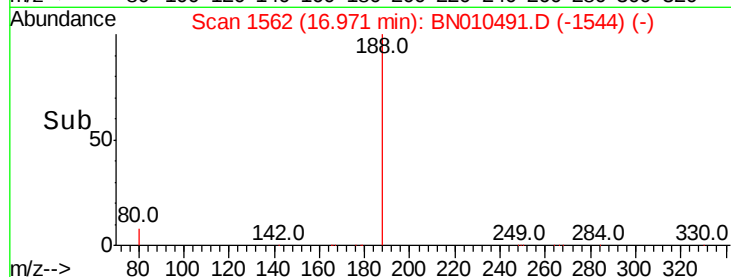
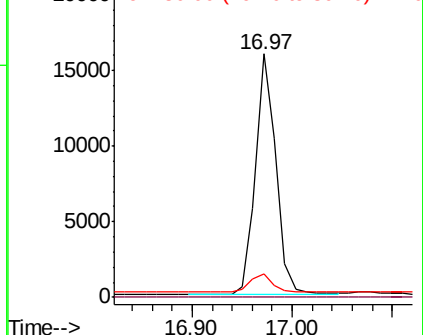
80 9.8 5.0 7.6#



Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BNO

Ion 80.00 (79.70 to 80.70): BNO



#22

Pentachlorophenol

Concen: 0.021 ng

RT: 16.63 min Scan# 1530

Delta R.T. -0.01 min

Lab File: BN010491.D

Acq: 14 Apr 2020 23:18

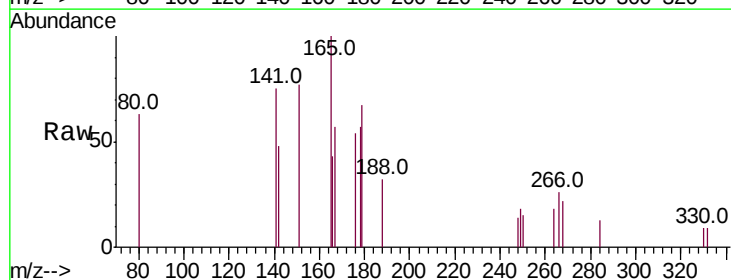
Tgt Ion:266 Resp: 119

Ion Ratio Lower Upper

266 100

264 69.2 51.8 77.6

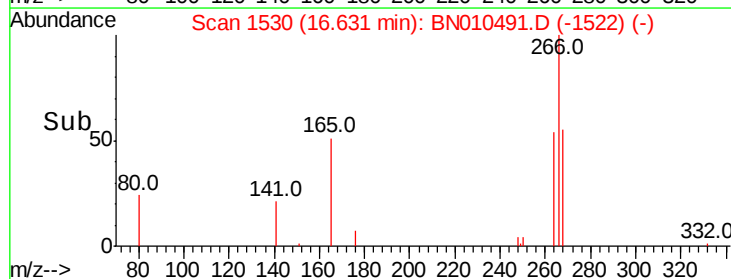
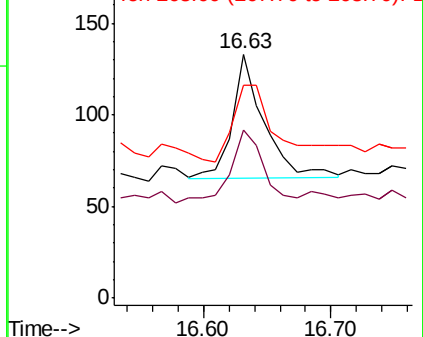
268 87.2 53.7 80.5#

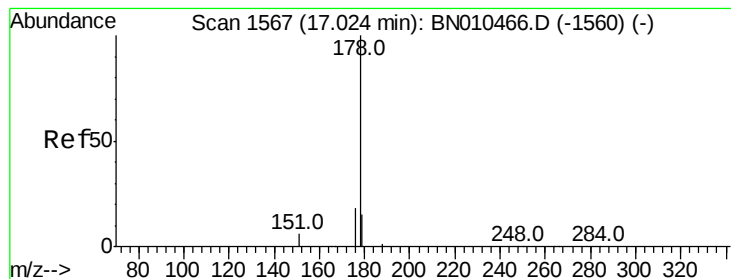


Abundance Ion 266.00 (265.70 to 266.70): E

Ion 264.00 (263.70 to 264.70): E

Ion 268.00 (267.70 to 268.70): E





#23

Phenanthrene

Concen: 0.089 ng

RT: 17.01 min Scan# 1566

Delta R.T. -0.01 min

Lab File: BN010491.D

Acq: 14 Apr 2020 23:18

Instrument :

BNA_N

ClientSampled :

MW-2F

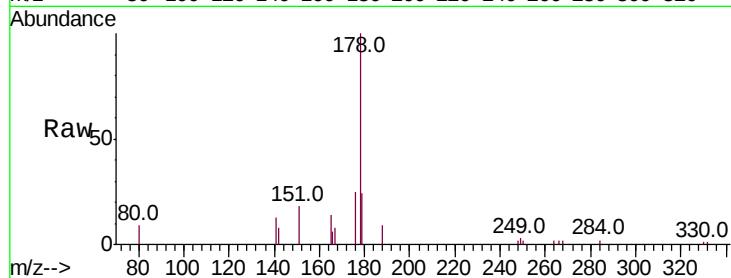
Tot Ion:178 Resp: 5423

Ion Ratio Lower Upper

178 100

176 19.9 15.0 22.4

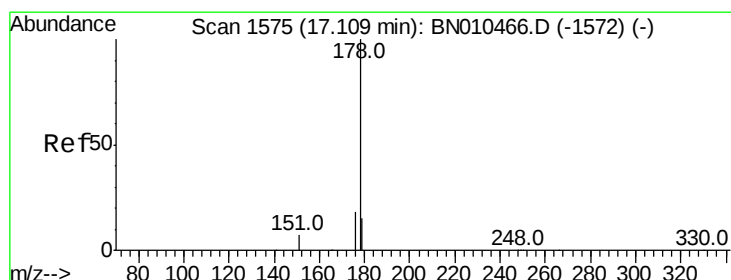
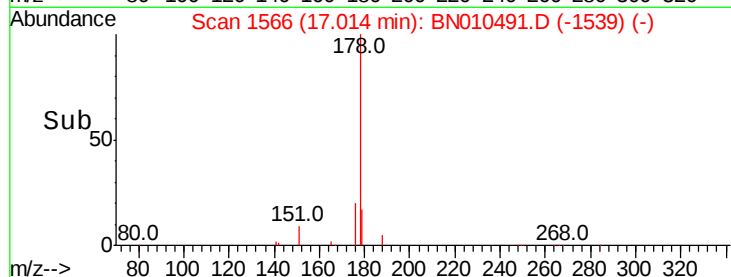
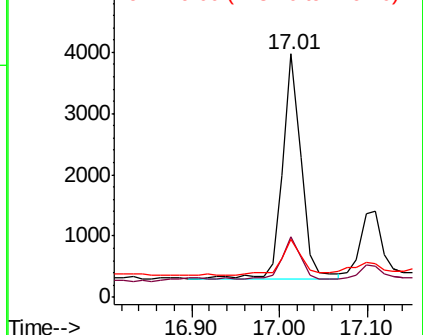
179 17.8 12.6 18.8



Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



#24

Anthracene

Concen: 0.030 ng

RT: 17.11 min Scan# 1575

Delta R.T. -0.00 min

Lab File: BN010491.D

Acq: 14 Apr 2020 23:18

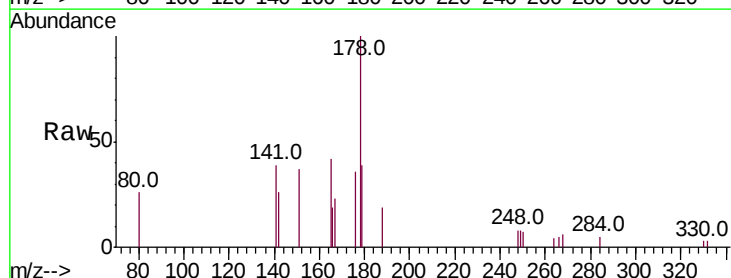
Tgt Ion:178 Resp: 1704

Ion Ratio Lower Upper

178 100

176 25.1 14.6 21.8#

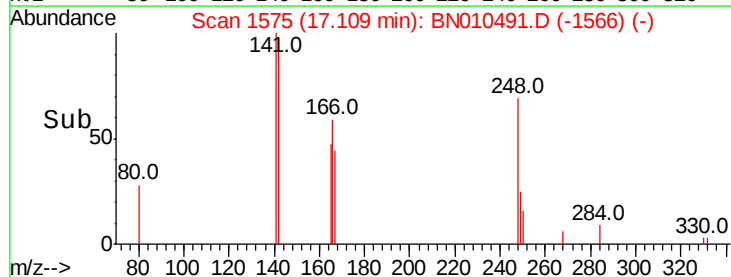
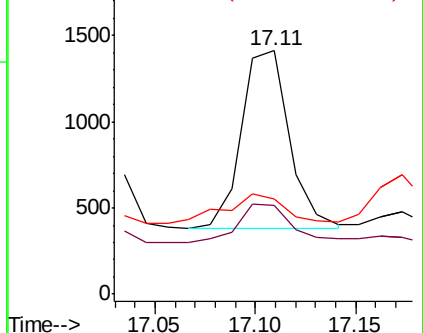
179 20.5 12.2 18.2#

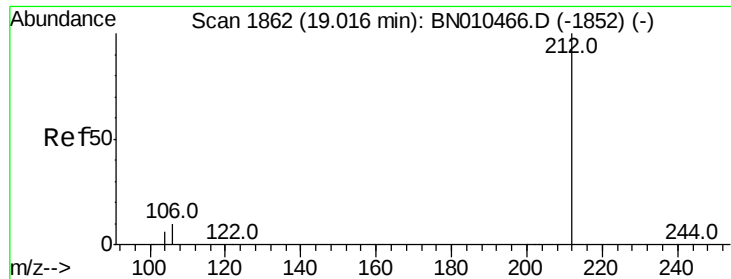


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#25

Fluoranthene-d10

Concen: 0.416 ng

RT: 19.01 min Scan# 1861

Delta R.T. -0.00 min

Lab File: BN010491.D

Acq: 14 Apr 2020 23:18

Instrument :

BNA_N

ClientSampleId :

MW-2F

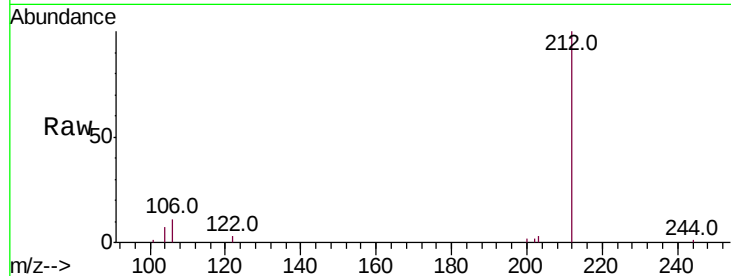
Tot Ion:212 Resp: 28590

Ion Ratio Lower Upper

212 100

106 10.3 7.8 11.6

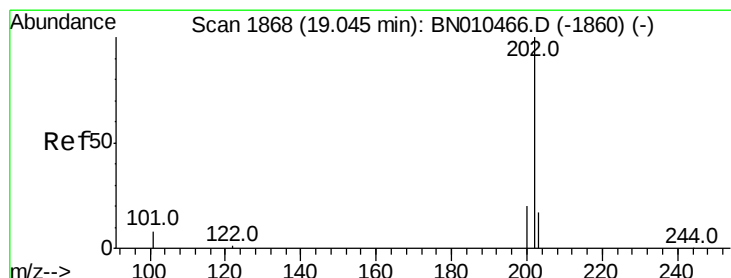
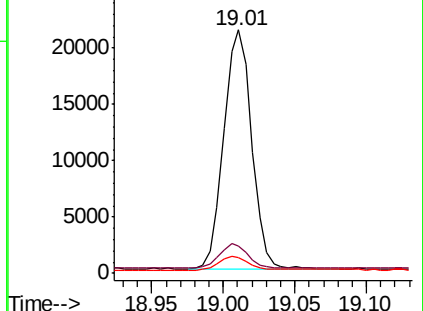
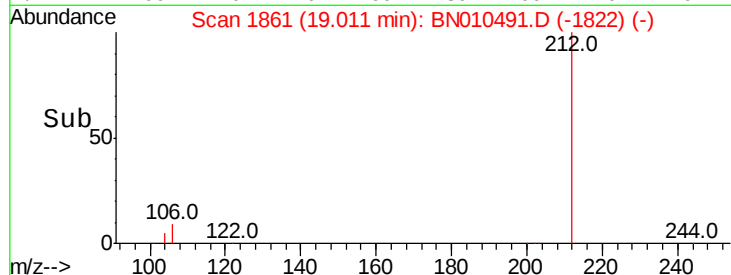
104 5.9 4.5 6.7



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: 0.102 ng

RT: 19.04 min Scan# 1867

Delta R.T. -0.00 min

Lab File: BN010491.D

Acq: 14 Apr 2020 23:18

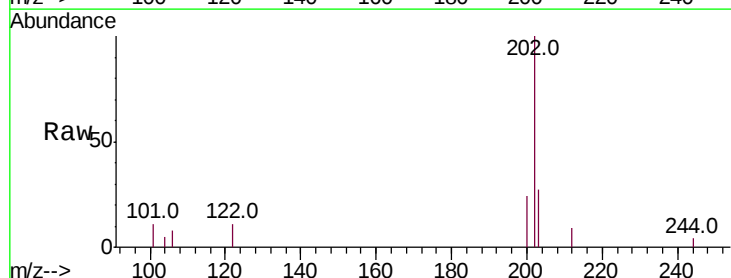
Tgt Ion:202 Resp: 7786

Ion Ratio Lower Upper

202 100

101 8.7 6.9 10.3

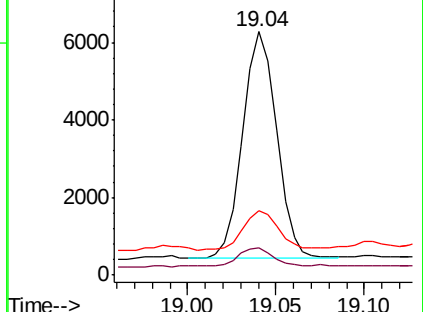
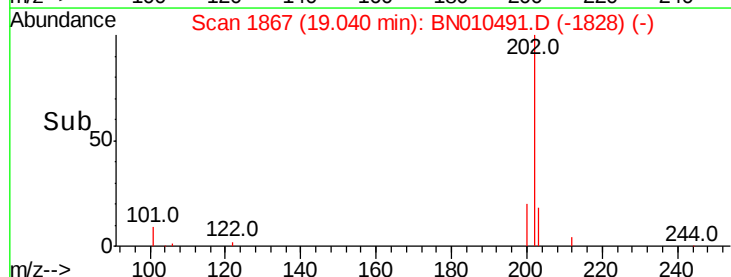
203 18.2 13.9 20.9

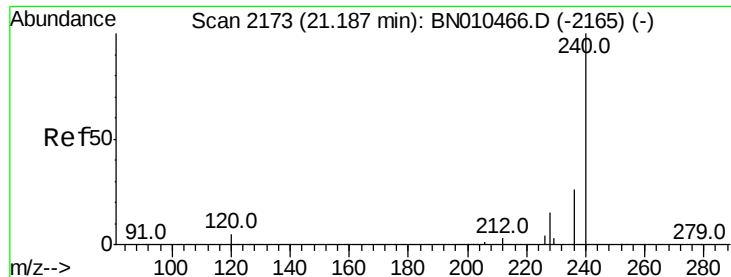


Abundance Ion 202.00 (201.70 to 202.70): E

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: 21.18 min Scan# 2172

Delta R.T. -0.01 min

Lab File: BN010491.D

Acq: 14 Apr 2020 23:18

Instrument :

BNA_N

ClientSampleId :

MW-2F

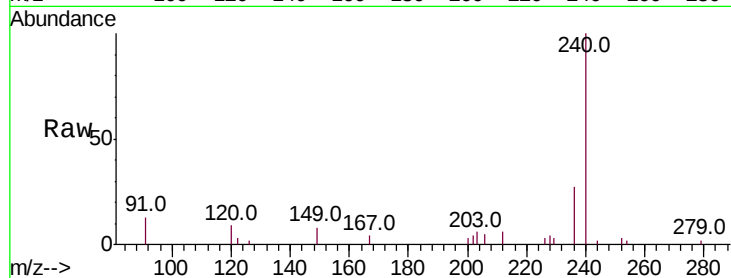
Tot Ion:240 Resp: 23967

Ion Ratio Lower Upper

240 100

120 8.8 4.8 7.2#

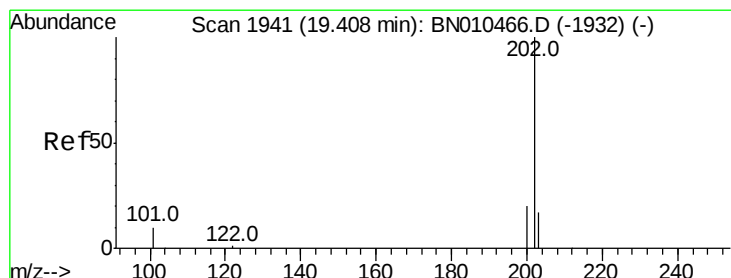
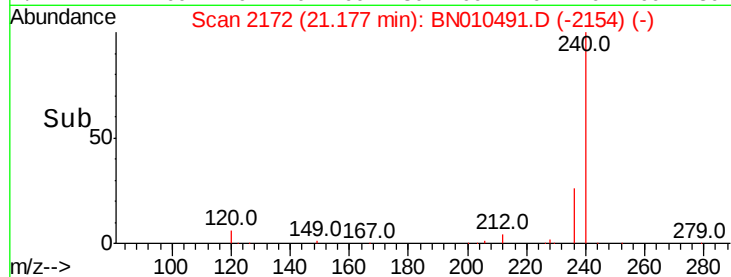
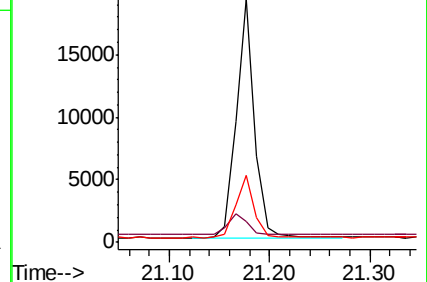
236 27.5 21.4 32.0



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

Pyrene

Concen: 1.878 ng

RT: 19.40 min Scan# 1940

Delta R.T. -0.00 min

Lab File: BN010491.D

Acq: 14 Apr 2020 23:18

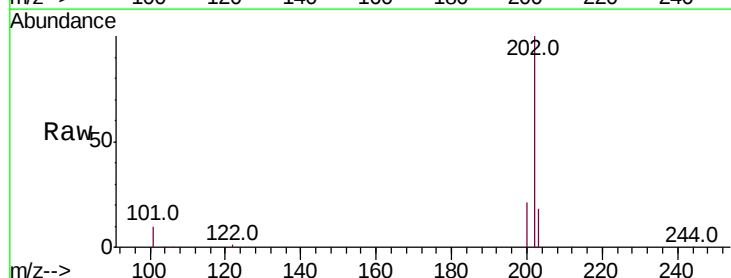
Tgt Ion:202 Resp: 151517

Ion Ratio Lower Upper

202 100

200 20.5 16.3 24.5

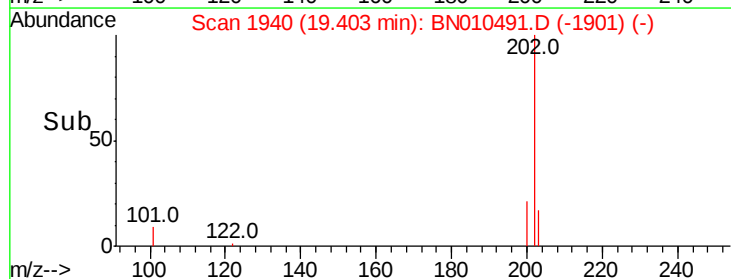
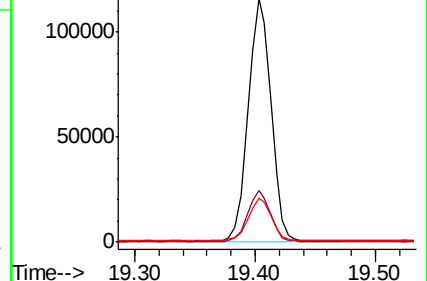
203 17.5 14.0 21.0

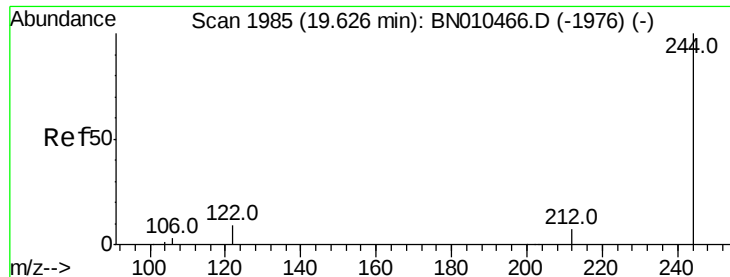


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#29

Terphenyl-d14

Concen: 0.837 ng

RT: 19.62 min Scan# 1984

Delta R.T. -0.00 min

Lab File: BN010491.D

Acq: 14 Apr 2020 23:18

Instrument :

BNA_N

ClientSampled :

MW-2F

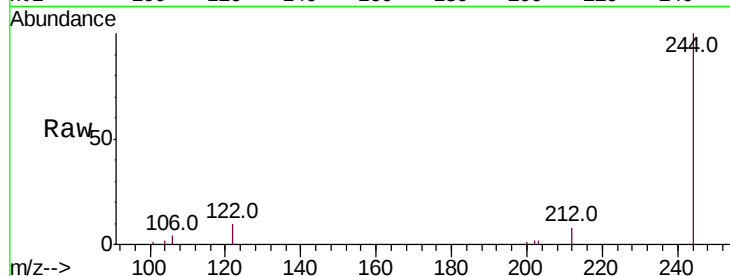
Tot Ion:244 Resp: 45900

Ion Ratio Lower Upper

244 100

212 8.1 6.2 9.4

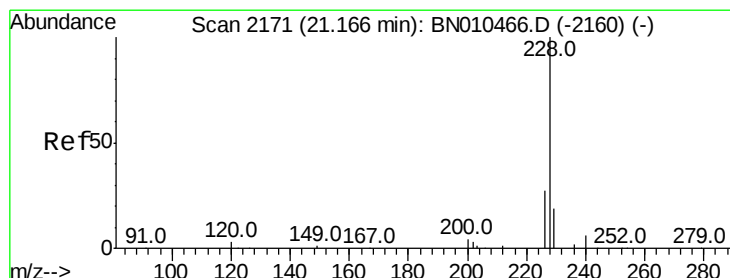
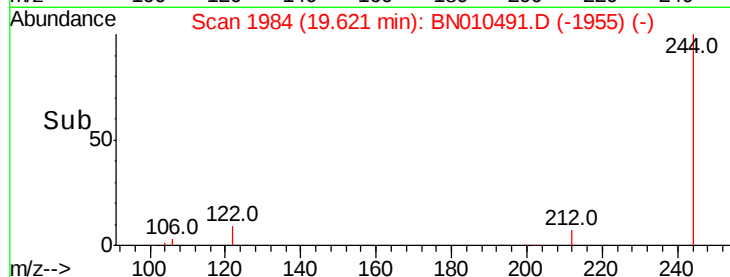
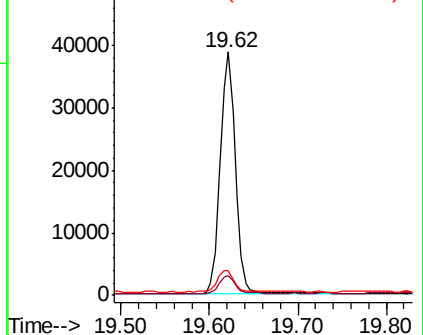
122 10.2 7.8 11.8



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: 0.027 ng

RT: 21.16 min Scan# 2170

Delta R.T. -0.01 min

Lab File: BN010491.D

Acq: 14 Apr 2020 23:18

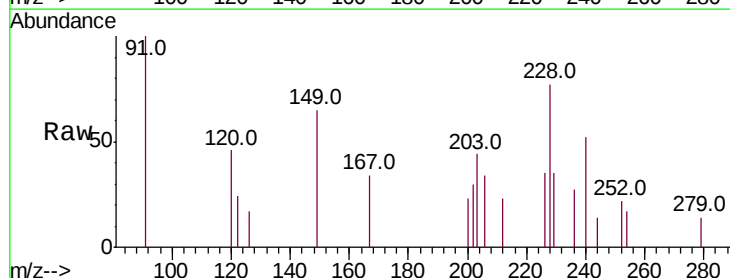
Tgt Ion:228 Resp: 2148

Ion Ratio Lower Upper

228 100

226 45.0 21.7 32.5#

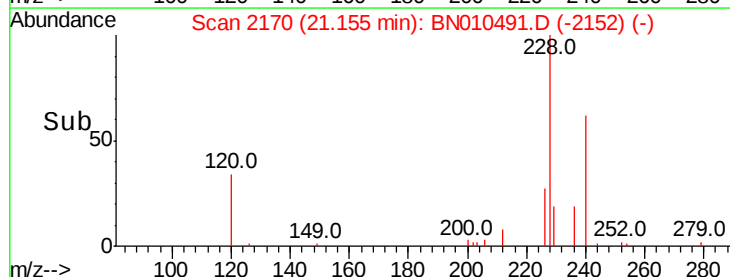
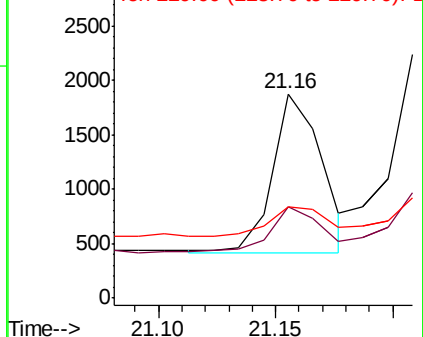
229 45.0 15.6 23.4#

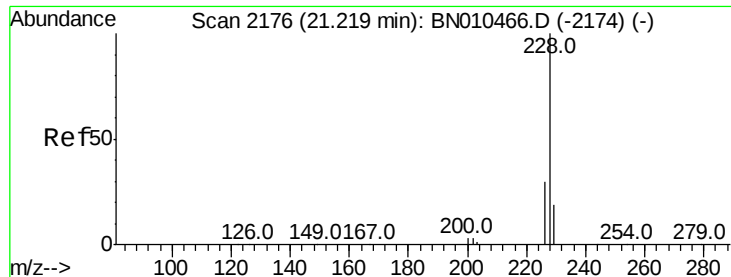


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#31

Chrysene

Concen: 0.035 ng

RT: 21.21 min Scan# 2175

Delta R.T. -0.01 min

Lab File: BN010491.D

Acq: 14 Apr 2020 23:18

Instrument :

BNA_N

ClientSampleId :

MW-2F

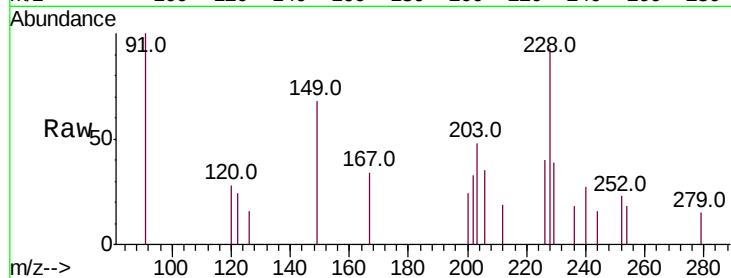
Tot Ion:228 Resp: 2695

Ion Ratio Lower Upper

228 100

226 43.0 24.0 36.0#

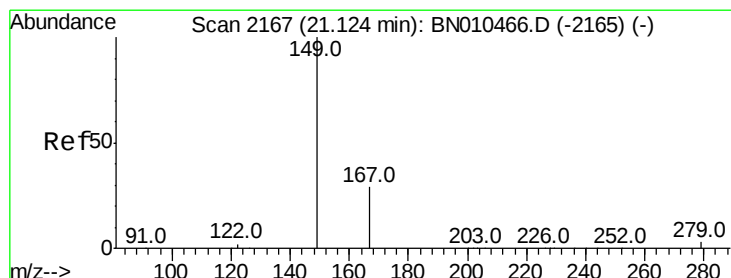
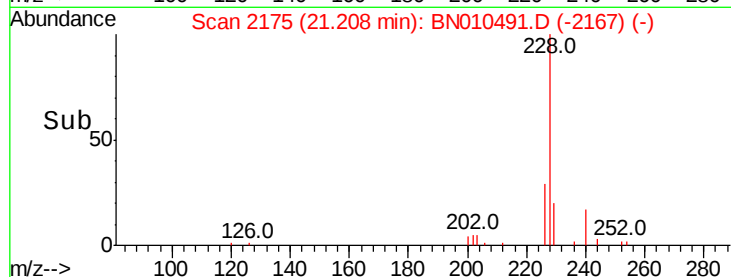
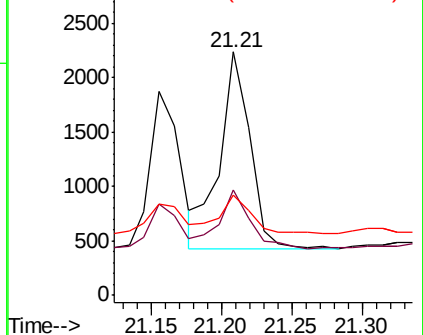
229 41.4 15.8 23.6#



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: 0.066 ng

RT: 21.11 min Scan# 2166

Delta R.T. -0.01 min

Lab File: BN010491.D

Acq: 14 Apr 2020 23:18

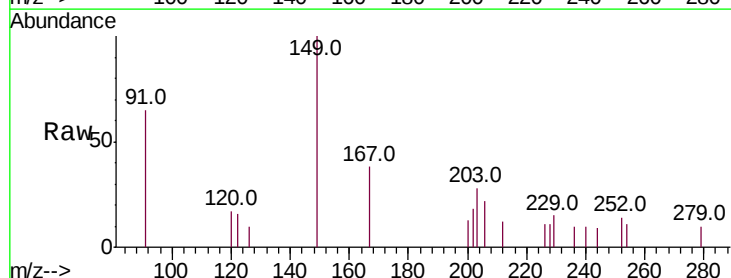
Tgt Ion:149 Resp: 2666

Ion Ratio Lower Upper

149 100

167 25.7 23.4 35.0

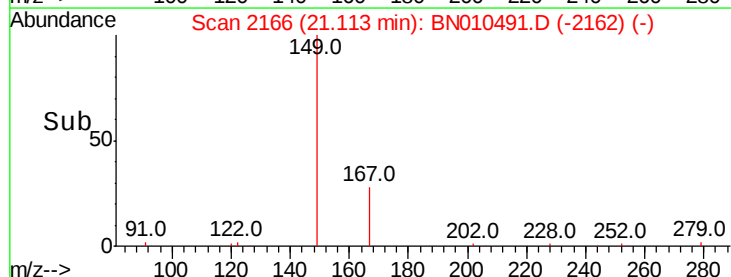
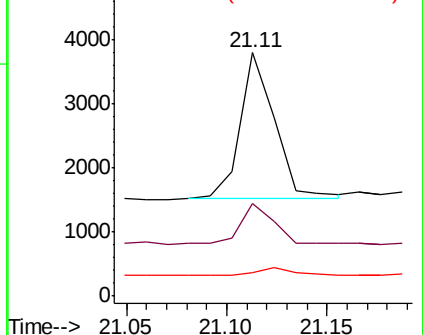
279 6.8 4.0 6.0#

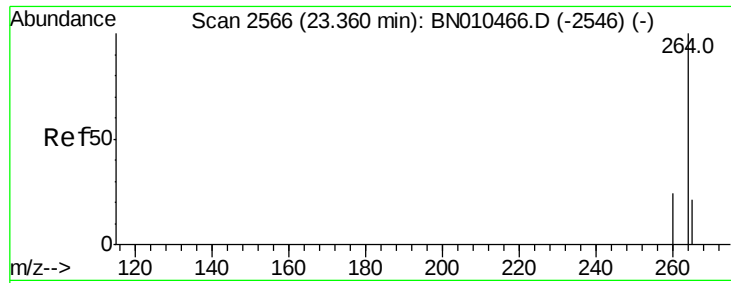


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E

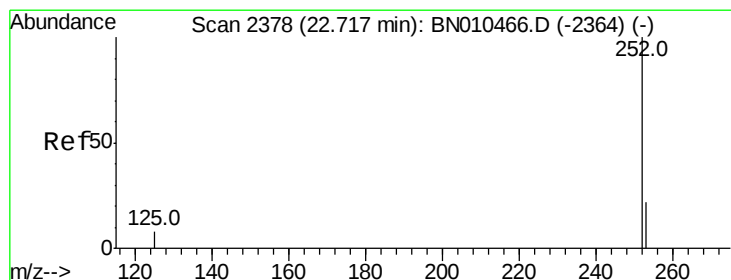
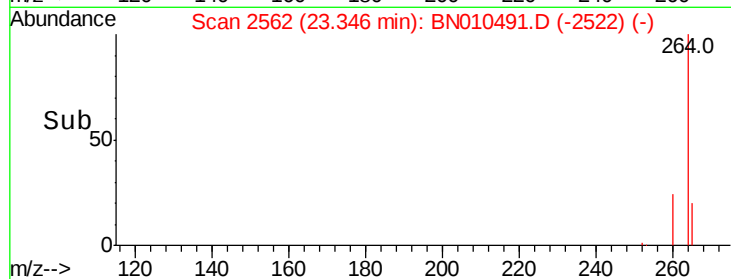
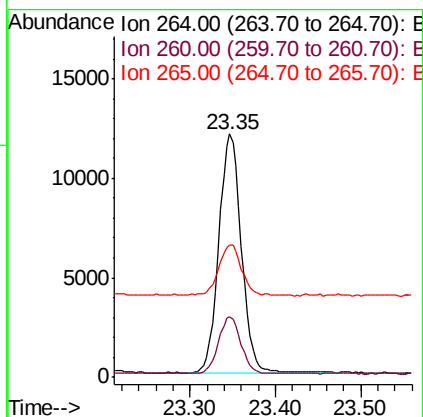
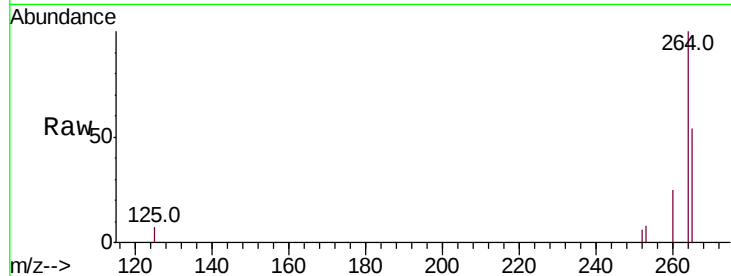




#34
Pervlene-d12
Concen: 0.400 ng
RT: 23.35 min Scan# 2562
Delta R.T. -0.01 min
Lab File: BN010491.D
Acq: 14 Apr 2020 23:18

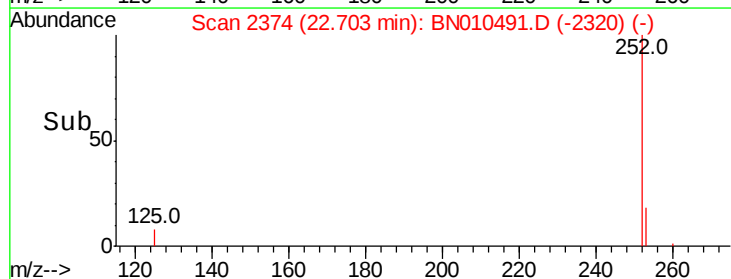
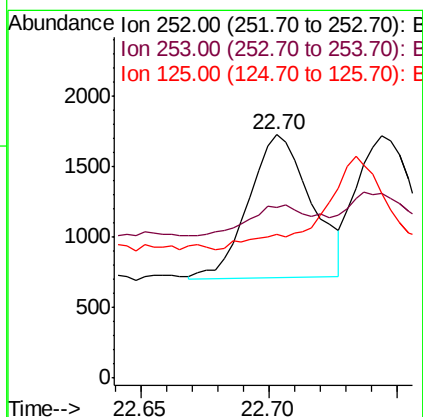
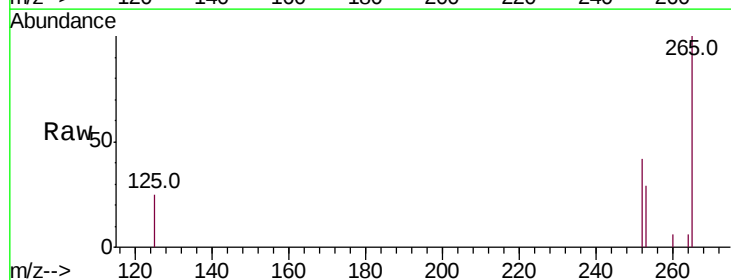
Instrument :
BNA_N
ClientSampleId :
MW-2F

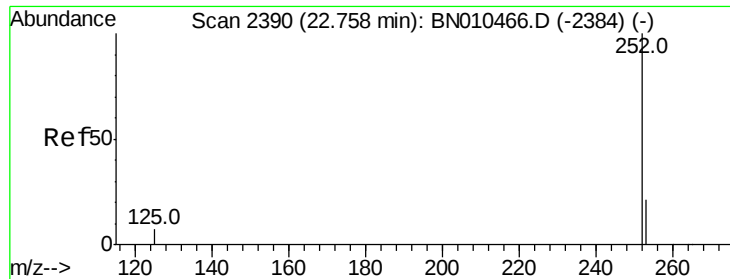
Tot Ion:264 Resp: 21873
Ion Ratio Lower Upper
264 100
260 24.7 19.8 29.8
265 54.1 42.3 63.5



#35
Benzo(b)fluoranthene
Concen: 0.024 ng
RT: 22.70 min Scan# 2374
Delta R.T. -0.01 min
Lab File: BN010491.D
Acq: 14 Apr 2020 23:18

Tgt Ion:252 Resp: 1726
Ion Ratio Lower Upper
252 100
253 70.1 20.2 30.4#
125 58.8 9.2 13.8#





#36

Benzo(k)fluoranthene

Concen: 0.022 ng

RT: 22.74 min Scan# 2386

Delta R.T. -0.01 min

Lab File: BN010491.D

Acq: 14 Apr 2020 23:18

Instrument :

BNA_N

ClientSampleId :

MW-2F

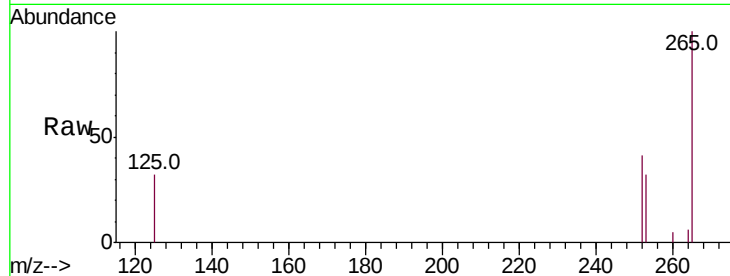
Tot Ion:252 Resp: 1566

Ion Ratio Lower Upper

252 100

253 76.5 20.1 30.1#

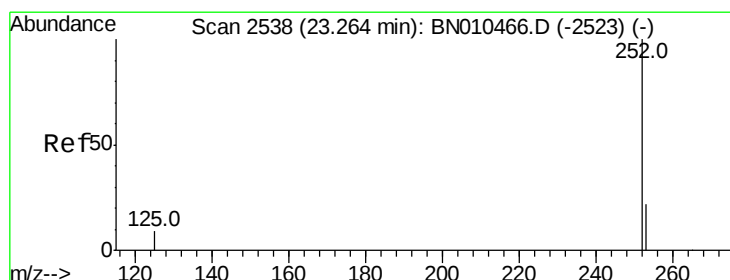
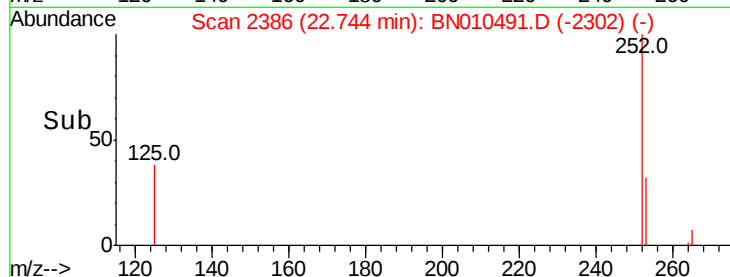
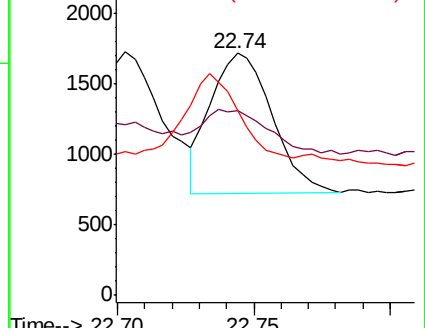
125 76.7 9.6 14.4#



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



#37

Benzo(a)pyrene

Concen: 0.024 ng

RT: 23.25 min Scan# 2534

Delta R.T. -0.01 min

Lab File: BN010491.D

Acq: 14 Apr 2020 23:18

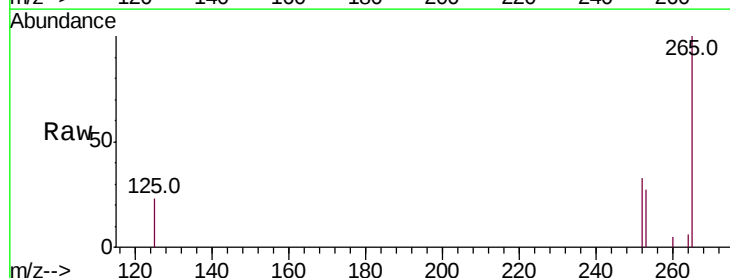
Tgt Ion:252 Resp: 1505

Ion Ratio Lower Upper

252 100

253 83.3 21.8 32.8#

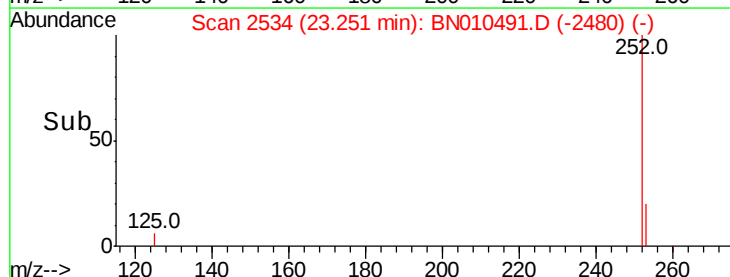
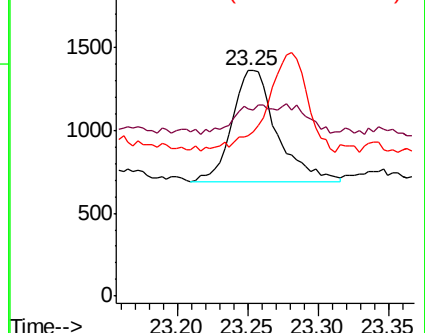
125 71.0 11.0 16.6#

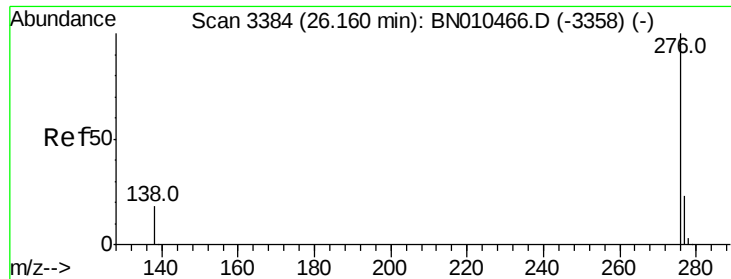


Abundance Ion 252.00 (251.70 to 252.70): E

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: 0.025 ng

RT: 26.14 min Scan# 3378

Delta R.T. -0.02 min

Lab File: BN010491.D

Acq: 14 Apr 2020 23:18

Instrument :

BNA_N

ClientSampleId :

MW-2F

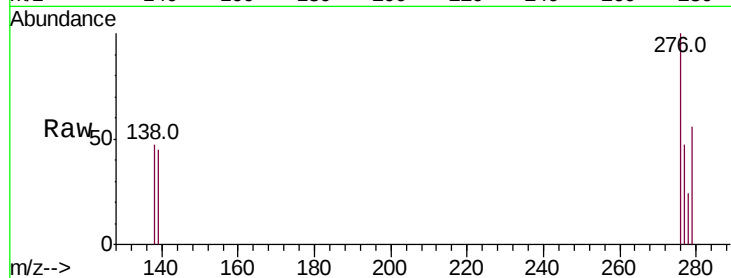
Tot Ion:276 Resp: 1440

Ion Ratio Lower Upper

276 100

277 47.3 20.2 30.2#

138 47.0 15.4 23.2#



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

