

Data Path : Z:\svoasrv\HPCHEM1\BNA N\Data\BN052120\
 Data File : BN010732.D
 Acq On : 21 May 2020 17:34
 Operator : CG/JU
 Sample : PB129048BL
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 PB129048BL

Quant Time: May 21 18:06:48 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\8270-SIM-BN051320.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu May 21 16:54:53 2020
 Response via : Initial Calibration

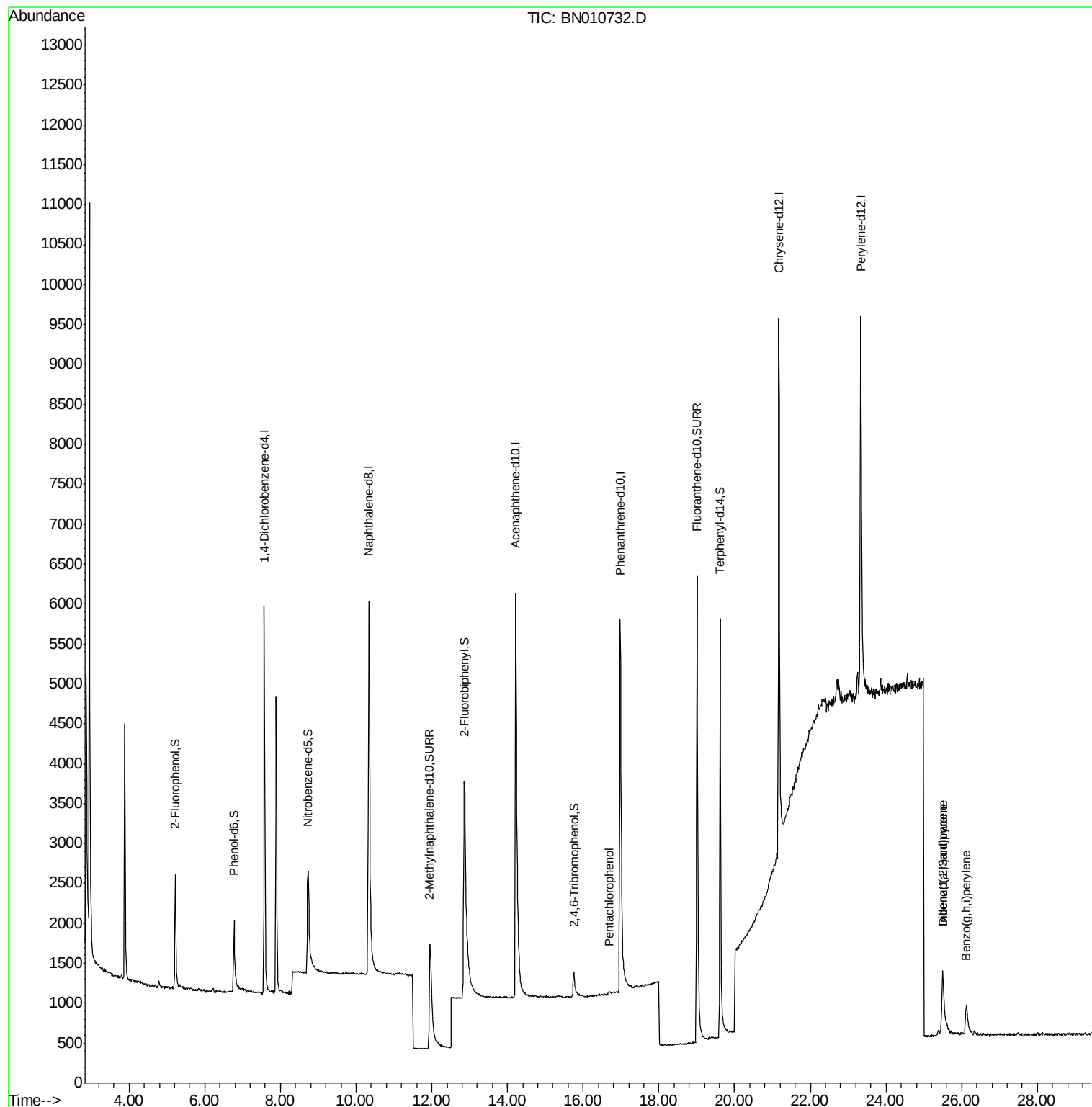
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.57	152	2802	0.40	ng	0.00
7) Naphthalene-d8	10.33	136	10405	0.40	ng	0.00
13) Acenaphthene-d10	14.21	164	6234	0.40	ng	0.01
19) Phenanthrene-d10	16.97	188	12890	0.40	ng	0.02
27) Chrysene-d12	21.16	240	9738	0.40	ng	0.01
34) Perylene-d12	23.33	264	8807	0.40	ng	0.01
System Monitoring Compounds						
4) 2-Fluorophenol	5.22	112	1738	0.32	ng	0.00
5) Phenol-d6	6.78	99	1674	0.25	ng	0.00
8) Nitrobenzene-d5	8.73	82	2179	0.30	ng	0.03
11) 2-Methylnaphthalene-d10	11.95	152	5245	0.31	ng	0.02
14) 2,4,6-Tribromophenol	15.75	330	571	0.25	ng	0.04
15) 2-Fluorobiphenyl	12.85	172	6456	0.28	ng	0.03
25) Fluoranthene-d10	19.01	212	11333	0.32	ng	0.03
29) Terphenyl-d14	19.61	244	8402	0.36	ng	0.02
Target Compounds						
22) Pentachlorophenol	16.68	266	68	0.026	ng	# 65
33) Indeno(1,2,3-cd)pyrene	25.49	276	1408	0.049	ng	# 88
38) Dibenzo(a,h)anthracene	25.50	278	1191	0.055	ng	# 13
39) Benzo(g,h,i)perylene	26.12	276	1135	0.045	ng	# 60

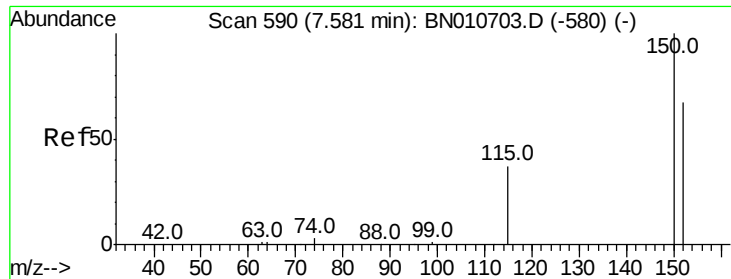
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 0.400 ng

RT: 7.57 min Scan# 589

Delta R.T. 0.00 min

Lab File: BN010732.D

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BNA_N

ClientSampleId :

PB129048BL

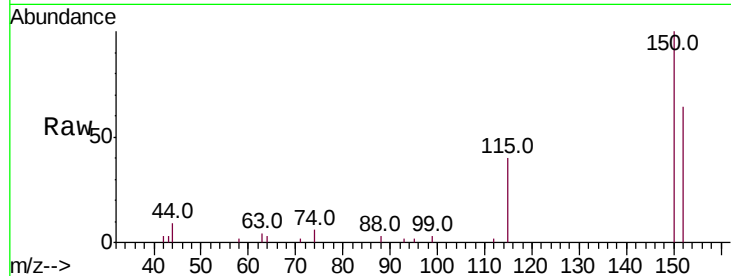
Tot Ion:152 Resp: 2802

Ion Ratio Lower Upper

152 100

150 156.2 119.4 179.0

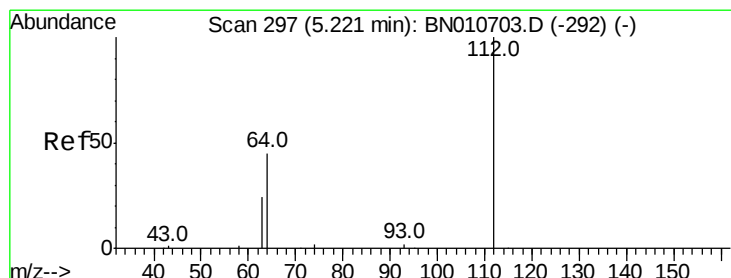
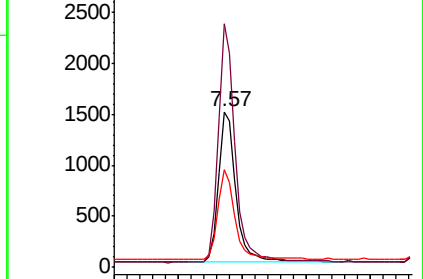
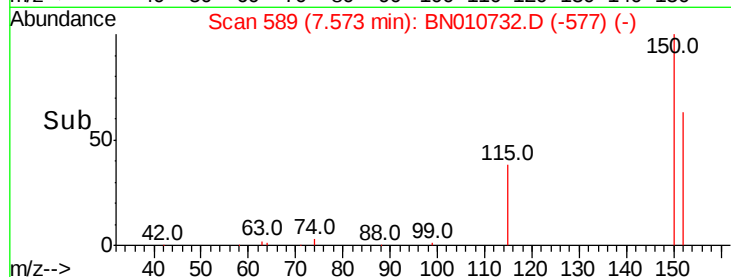
115 62.6 45.9 68.9



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



#4

2-Fluorophenol

Concen: 0.317 ng

RT: 5.22 min Scan# 297

Delta R.T. 0.00 min

Lab File: BN010732.D

Acq: 21 May 2020 17:34

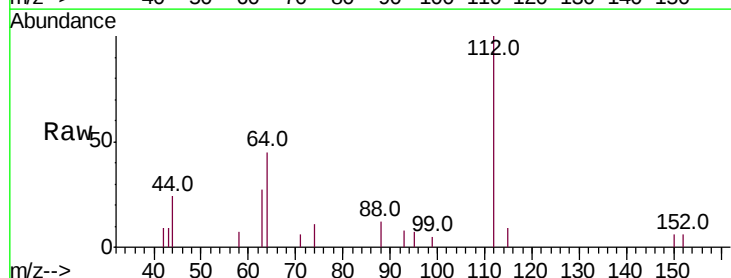
Tgt Ion:112 Resp: 1738

Ion Ratio Lower Upper

112 100

64 44.6 36.2 54.4

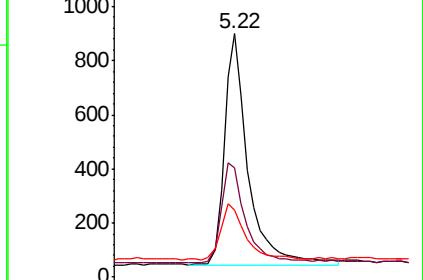
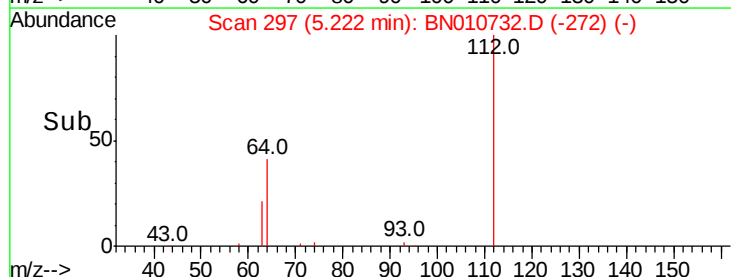
63 24.8 19.8 29.8

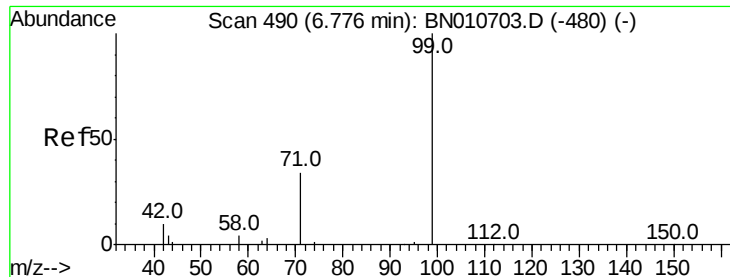


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BNC

Ion 63.00 (62.70 to 63.70): BNC





#5

Phenol-d6

Concen: 0.250 ng

RT: 6.78 min Scan# 490

Delta R.T. 0.01 min

Lab File: BN010732.D

Acq: 21 May 2020 17:34

Instrument :

BNA_N

ClientSampleId :

PB129048BL

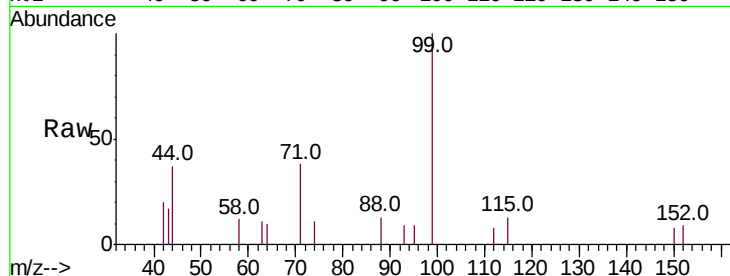
Tot Ion: 99 Resp: 1674

Ion Ratio Lower Upper

99 100

42 13.8 9.8 14.8

71 36.7 28.6 42.8



Abundance Ion 99.00 (98.70 to 99.70): BN010703.D (-480) (-)

Ion 42.00 (41.70 to 42.70): BN010703.D (-480) (-)

Ion 71.00 (70.70 to 71.70): BN010703.D (-480) (-)

6.78

800

600

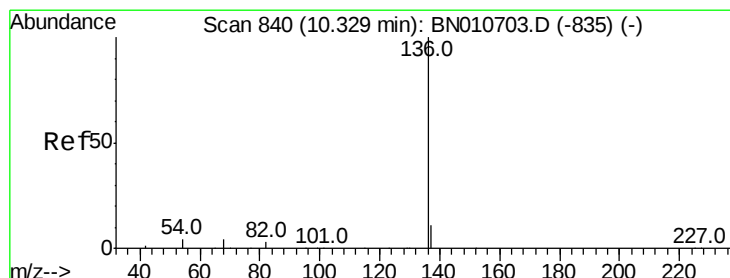
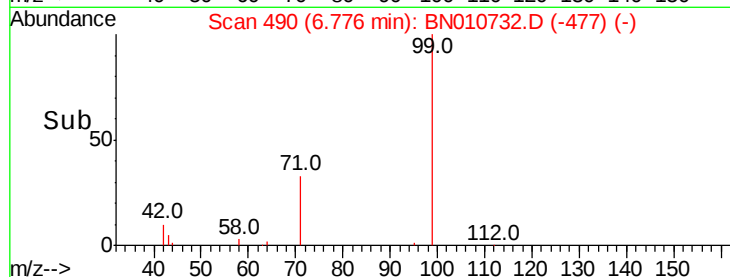
400

200

0

6.70 6.80 6.90

Time-->



#7

Naphthalene-d8

Concen: 0.400 ng

RT: 10.33 min Scan# 840

Delta R.T. 0.00 min

Lab File: BN010732.D

Acq: 21 May 2020 17:34

Tgt Ion: 136 Resp: 10405

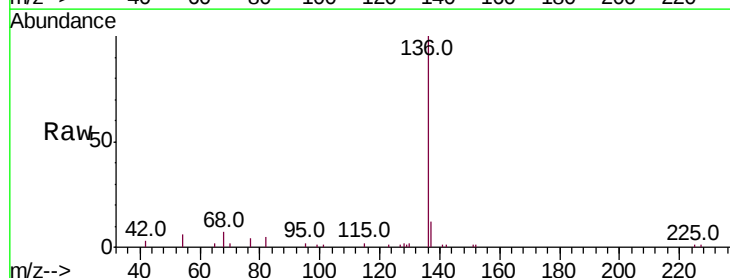
Ion Ratio Lower Upper

136 100

137 12.3 9.2 13.8

54 5.8 3.6 5.4#

68 6.7 4.1 6.1#



Abundance Ion 136.00 (135.70 to 136.70): BN010732.D (-824) (-)

Ion 137.00 (136.70 to 137.70): BN010732.D (-824) (-)

Ion 54.00 (53.70 to 54.70): BN010732.D (-824) (-)

Ion 68.00 (67.70 to 68.70): BN010732.D (-824) (-)

10.33

5000

4000

3000

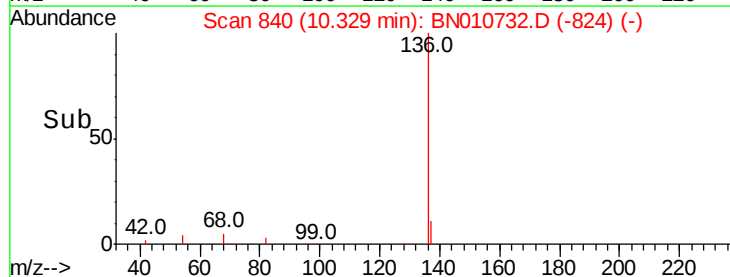
2000

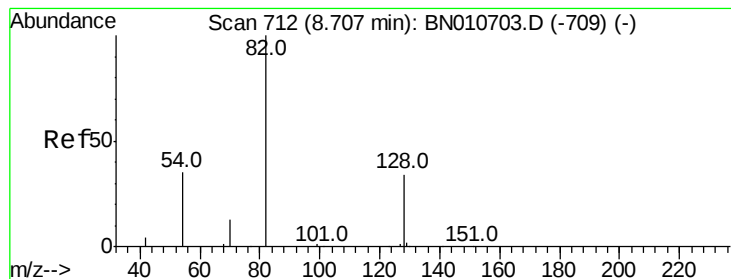
1000

0

10.20 10.30 10.40 10.50

Time-->





#8

Nitrobenzene-d5

Concen: 0.302 ng

RT: 8.73 min Scan# 714

Delta R.T. 0.03 min

Lab File: BN010732.D

Acq: 21 May 2020 17:34

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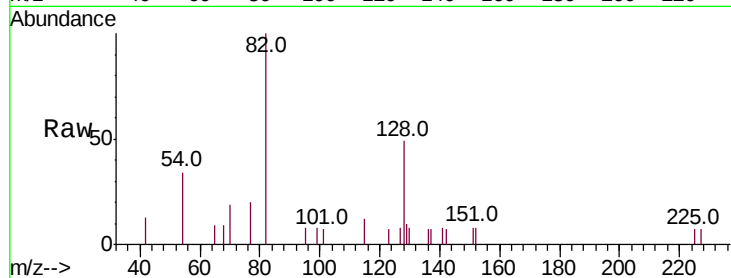
Tot Ion: 82 Resp: 2179

Ion Ratio Lower Upper

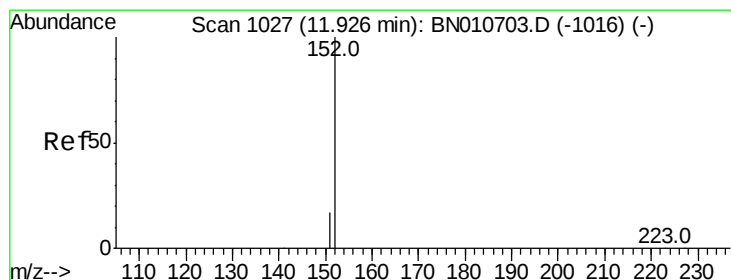
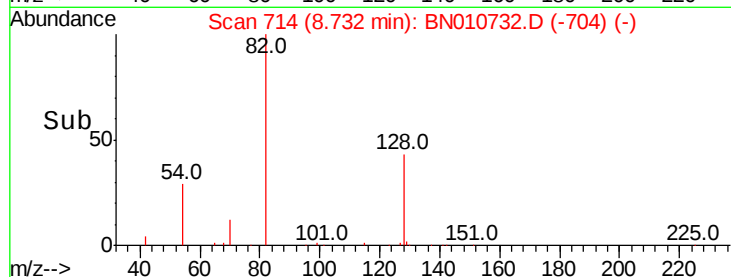
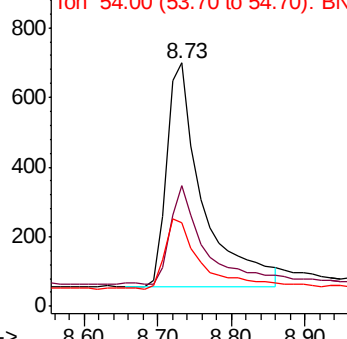
82 100

128 49.4 29.0 43.4#

54 34.3 29.3 43.9



Abundance Ion 82.00 (81.70 to 82.70): BN010732.D (-709) (-)



#11

2-Methylnaphthalene-d10

Concen: 0.309 ng

RT: 11.95 min Scan# 1032

Delta R.T. 0.02 min

Lab File: BN010732.D

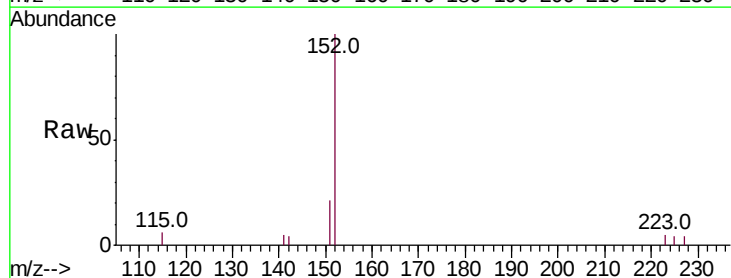
Acq: 21 May 2020 17:34

Tgt Ion: 152 Resp: 5245

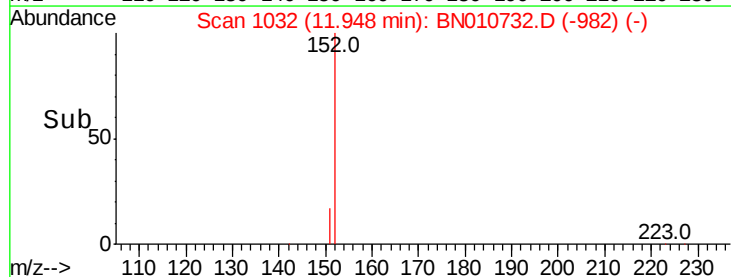
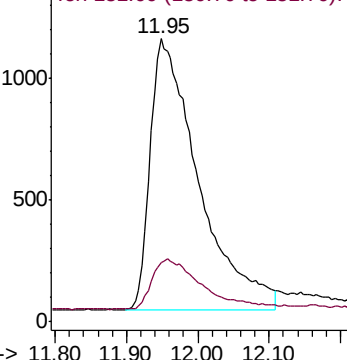
Ion Ratio Lower Upper

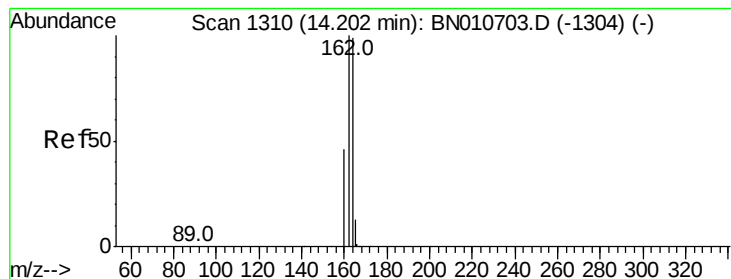
152 100

151 19.1 15.0 22.6



Abundance Ion 152.00 (151.70 to 152.70): BN010732.D (-982) (-)





#13

Acenaphthene-d10

Concen: 0.400 ng

RT: 14.21 min Scan# 1311

Delta R.T. 0.01 min

Lab File: BN010732.D

Acq: 21 May 2020 17:34

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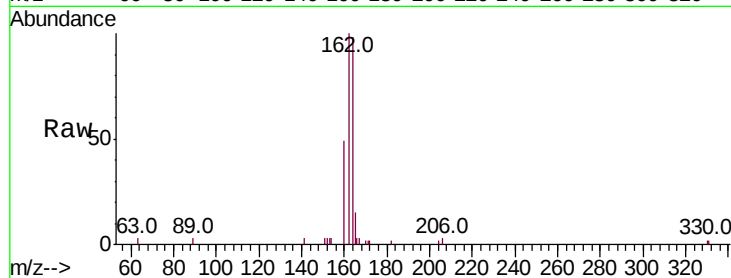
Tot Ion:164 Resp: 6234

Ion Ratio Lower Upper

164 100

162 102.6 81.1 121.7

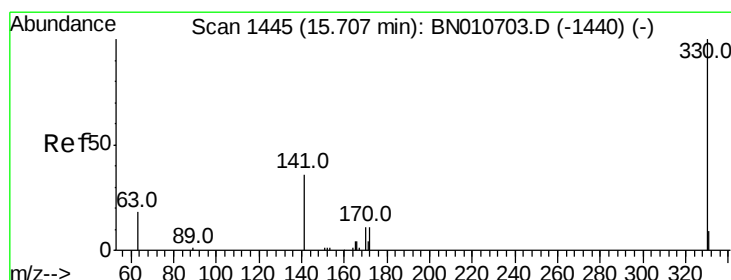
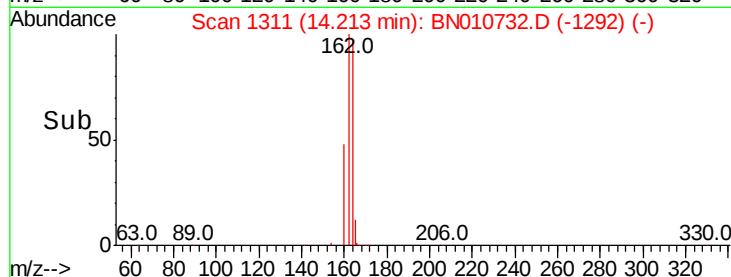
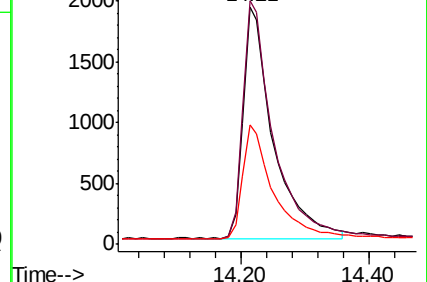
160 50.5 37.9 56.9



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: 0.253 ng

RT: 15.75 min Scan# 1449

Delta R.T. 0.04 min

Lab File: BN010732.D

Acq: 21 May 2020 17:34

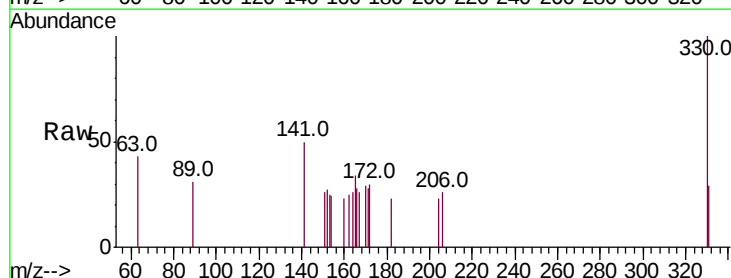
Tgt Ion:330 Resp: 571

Ion Ratio Lower Upper

330 100

332 0.0 0.0 0.0

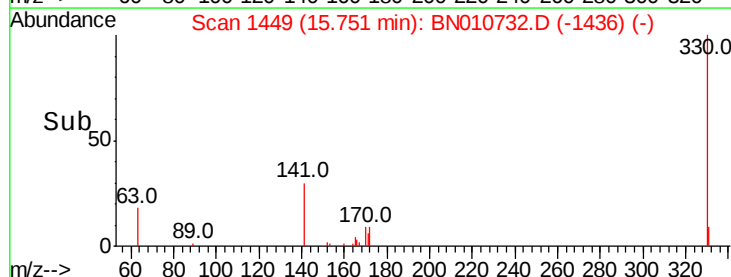
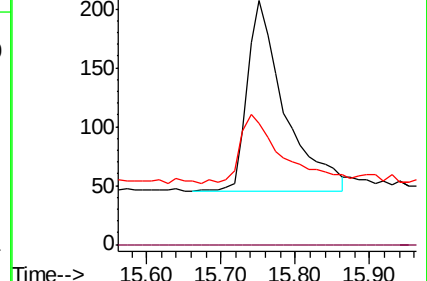
141 40.1 28.8 43.2

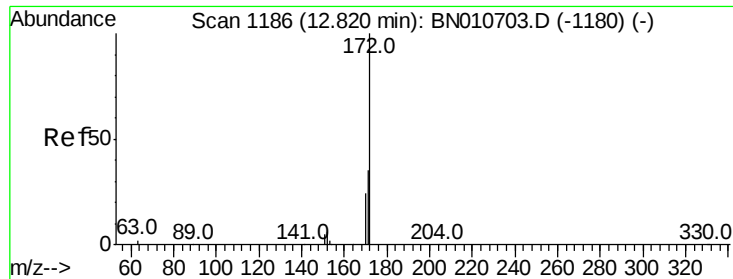


Abundance Ion 330.00 (329.70 to 330.70): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E





#15

2-Fluorobiphenyl

Concen: 0.282 ng

RT: 12.85 min Scan# 1189

Delta R.T. 0.03 min

Lab File: BN010732.D

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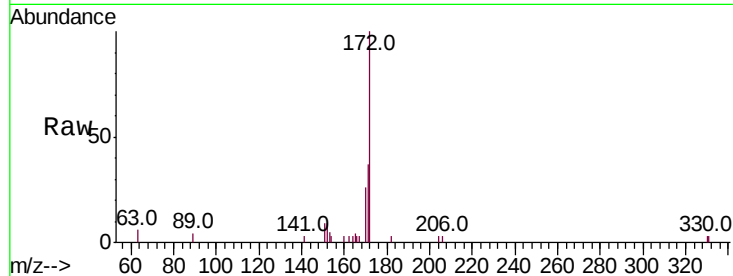
Tot Ion:172 Resp: 6456

Ion Ratio Lower Upper

172 100

171 36.8 28.6 42.8

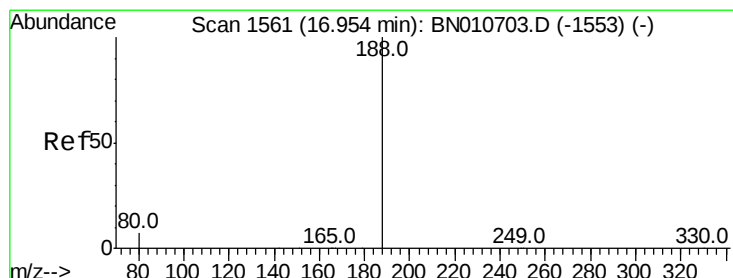
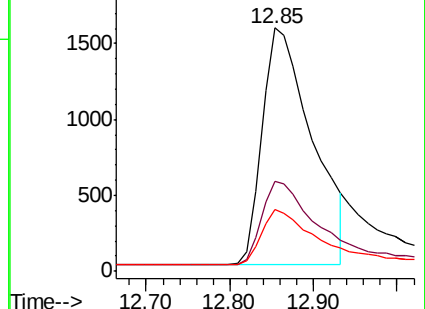
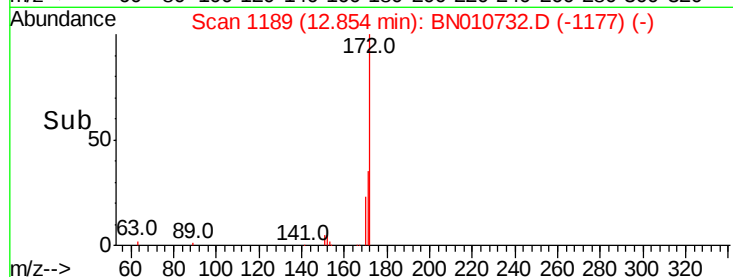
170 25.6 19.8 29.8



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: 16.97 min Scan# 1563

Delta R.T. 0.02 min

Lab File: BN010732.D

Acq: 21 May 2020 17:34

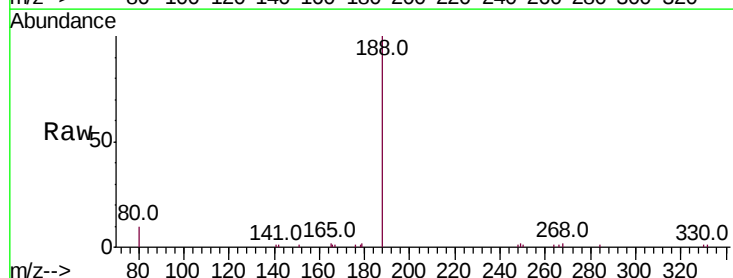
Tgt Ion:188 Resp: 12890

Ion Ratio Lower Upper

188 100

94 0.0 0.0 0.0

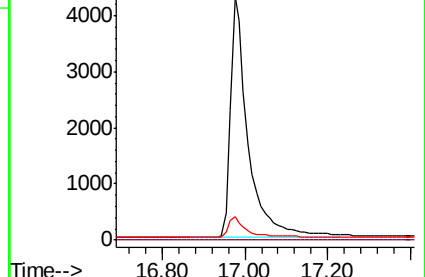
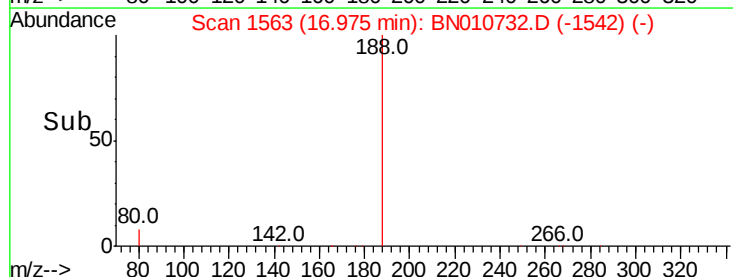
80 9.5 6.3 9.5#

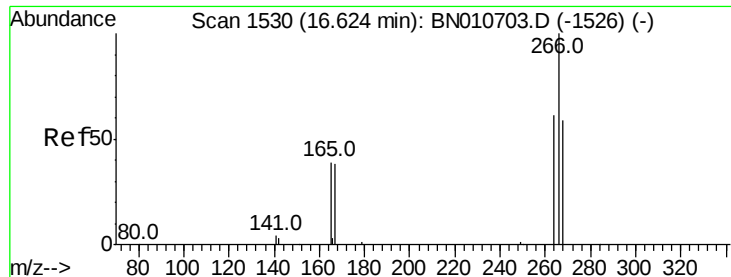


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BNC

Ion 80.00 (79.70 to 80.70): BNC

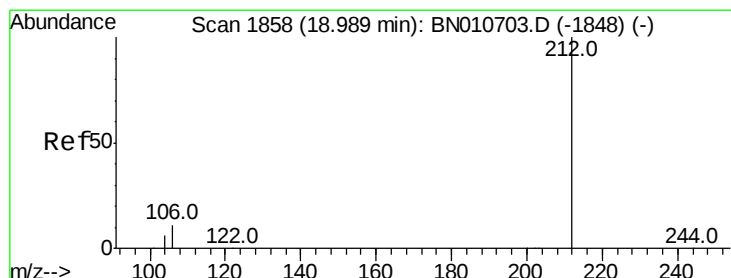
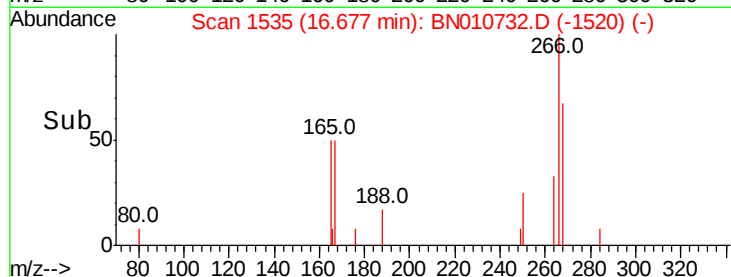
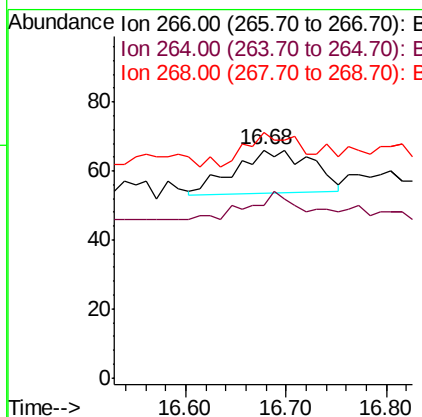
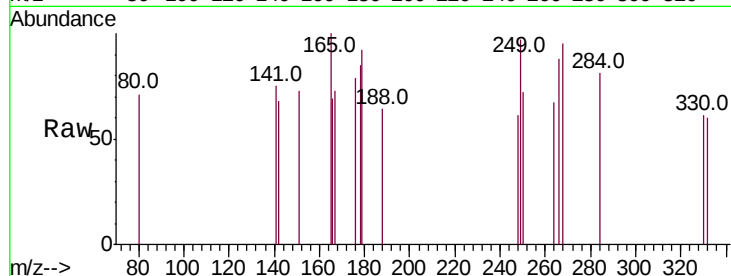




#22
 Pentachlorophenol
 Concen: 0.026 ng
 RT: 16.68 min Scan# 1535
 Delta R.T. 0.06 min
 Lab File: BN010732.D
 Acq: 21 May 2020 17:34

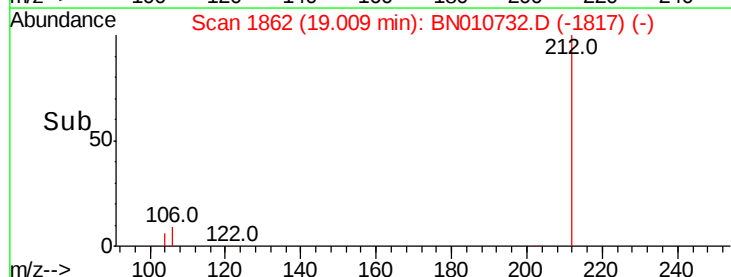
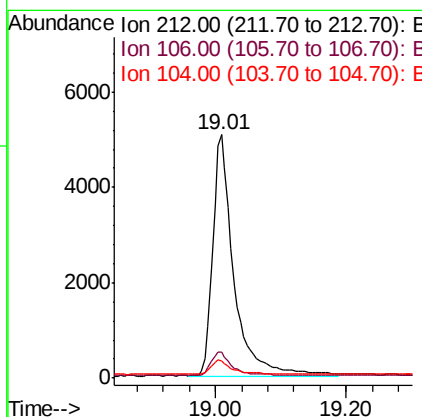
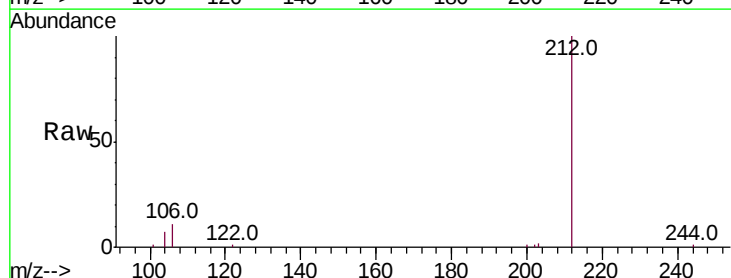
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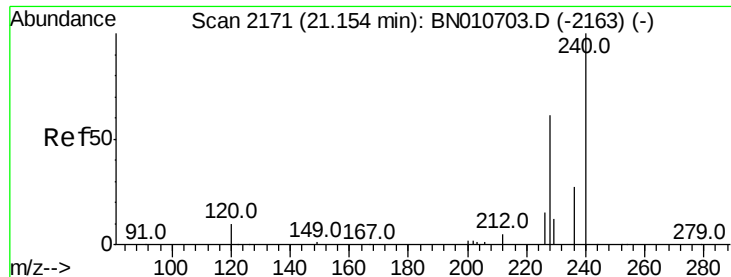
Tot Ion:266 Resp: 68
 Ion Ratio Lower Upper
 266 100
 264 75.8 51.1 76.7
 268 107.6 52.1 78.1#



#25
 Fluoranthene-d10
 Concen: 0.324 ng
 RT: 19.01 min Scan# 1862
 Delta R.T. 0.03 min
 Lab File: BN010732.D
 Acq: 21 May 2020 17:34

Tgt Ion:212 Resp: 11333
 Ion Ratio Lower Upper
 212 100
 106 9.8 8.2 12.2
 104 6.0 4.7 7.1

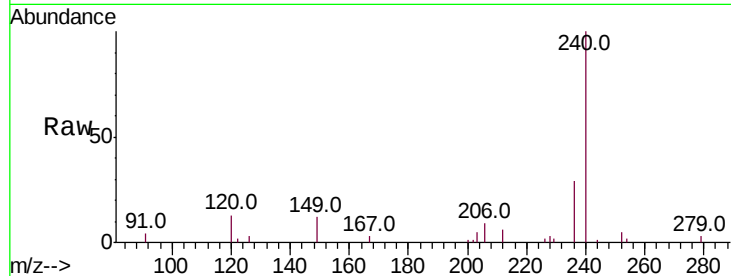




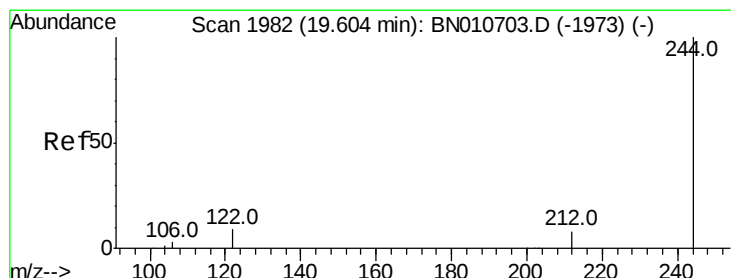
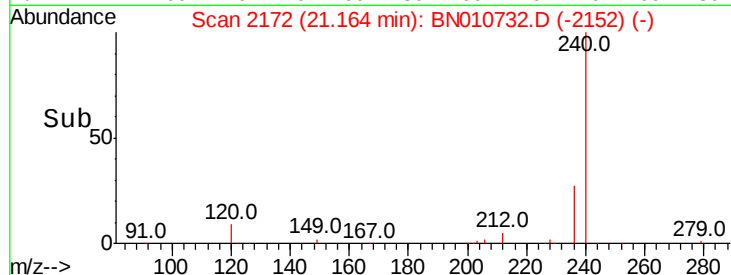
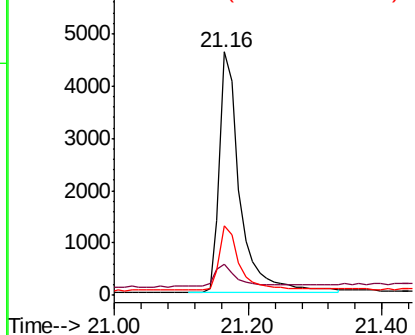
#27
 Chrysene-d12
 Concen: 0.400 ng
 RT: 21.16 min Scan# 2172
 Delta R.T. 0.01 min
 Lab File: BN010732.D
 Acq: 21 May 2020 17:34

Instrument :
 BNA_N
 ClientSampleId :
 PB129048BL

Tot Ion:240 Resp: 9738
 Ion Ratio Lower Upper
 240 100
 120 12.7 9.5 14.3
 236 28.8 22.5 33.7

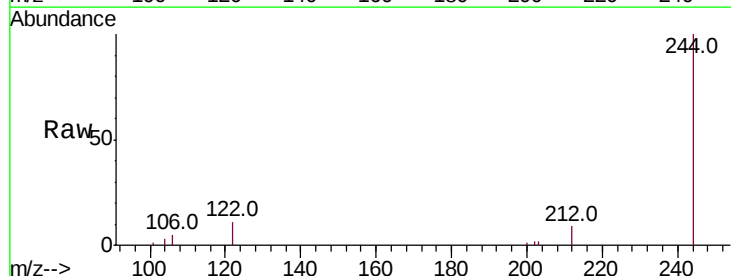


Abundance Ion 240.00 (239.70 to 240.70): E
 Ion 120.00 (119.70 to 120.70): E
 Ion 236.00 (235.70 to 236.70): E

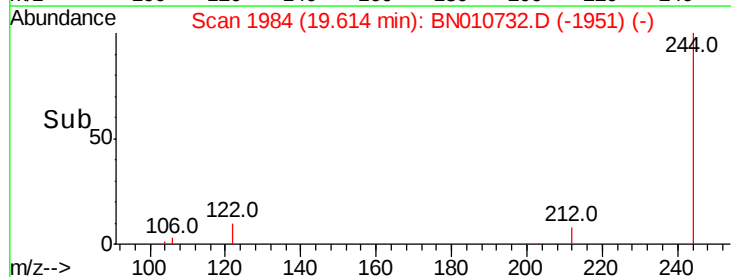
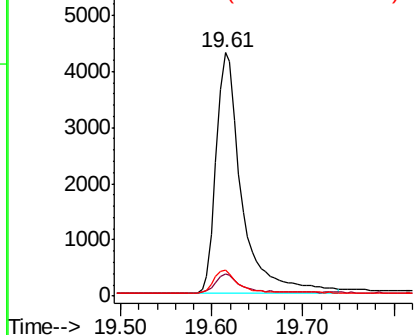


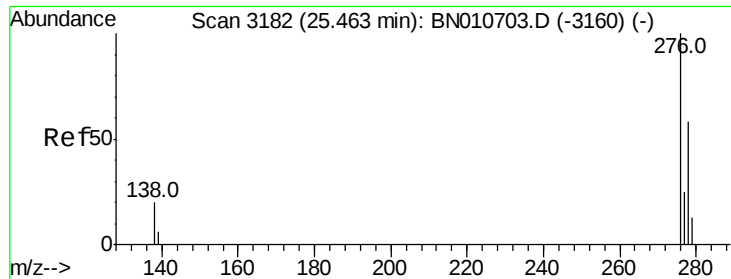
#29
 Terphenyl-d14
 Concen: 0.364 ng
 RT: 19.61 min Scan# 1984
 Delta R.T. 0.02 min
 Lab File: BN010732.D
 Acq: 21 May 2020 17:34

Tgt Ion:244 Resp: 8402
 Ion Ratio Lower Upper
 244 100
 212 9.4 6.8 10.2
 122 10.8 8.1 12.1



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





#33

Indeno(1,2,3-cd)pyrene

Concen: 0.049 ng

RT: 25.49 min Scan# 3191

Delta R.T. 0.04 min

Lab File: BN010732.D

Acq: 21 May 2020 17:34

Instrument :

BNA_N

ClientSampleId :

PB129048BL

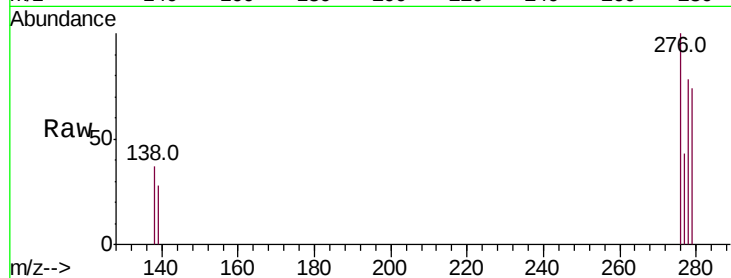
Tot Ion:276 Resp: 1408

Ion Ratio Lower Upper

276 100

138 8.0 15.1 22.7#

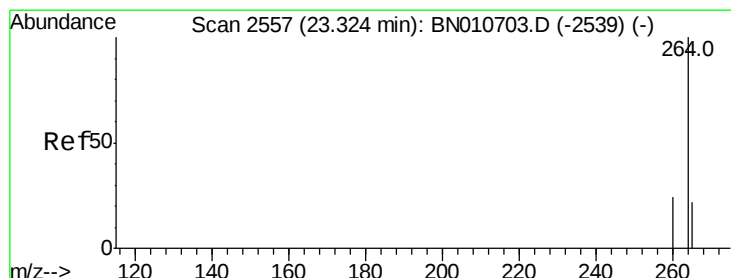
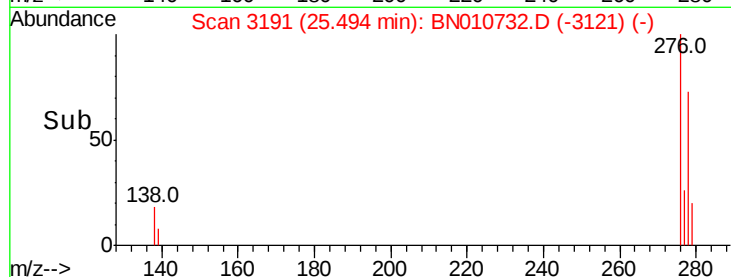
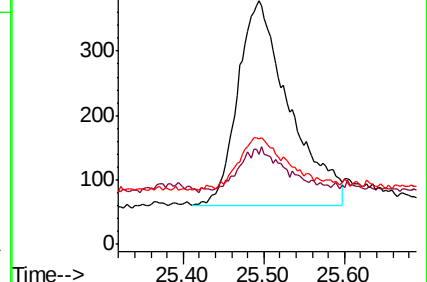
277 22.7 19.4 29.0



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: 23.33 min Scan# 2559

Delta R.T. 0.01 min

Lab File: BN010732.D

Acq: 21 May 2020 17:34

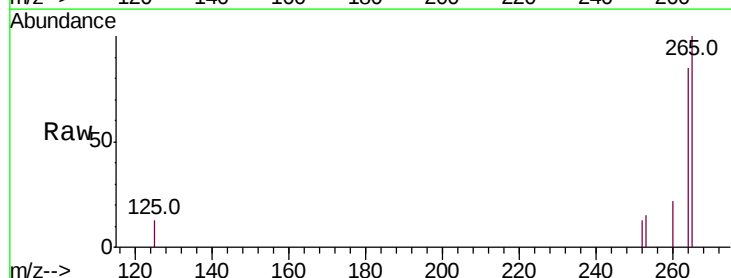
Tgt Ion:264 Resp: 8807

Ion Ratio Lower Upper

264 100

260 25.3 19.6 29.4

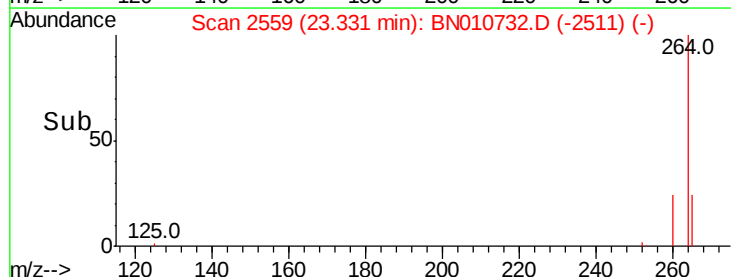
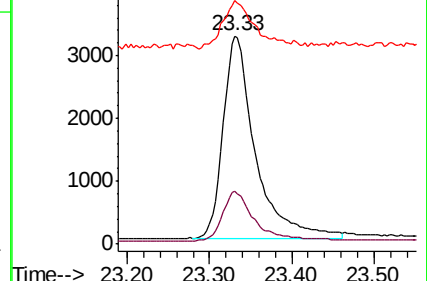
265 117.2 70.1 105.1#

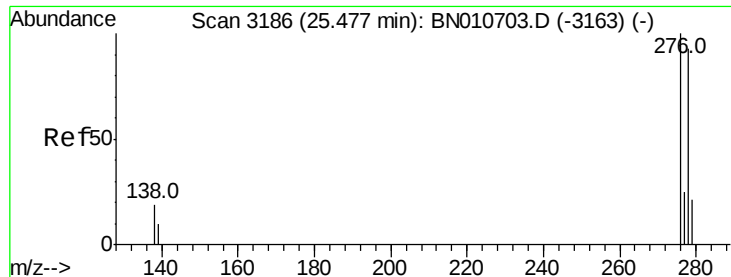


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E





#38

Dibenzo(a,h)anthracene

Concen: 0.055 ng

RT: 25.50 min Scan# 3193

Delta R.T. 0.03 min

Lab File: BN010732.D

Acq: 21 May 2020 17:34

Instrument :

BNA_N

ClientSampleId :

PB129048BL

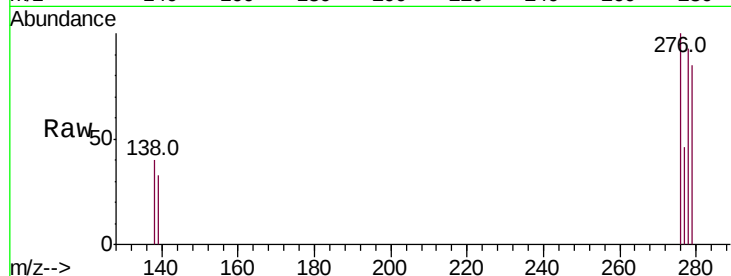
Tot Ion:278 Resp: 1191

Ion Ratio Lower Upper

278 100

139 35.4 13.0 19.4#

279 91.4 25.1 37.7#



Abundance Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E

25.50

300

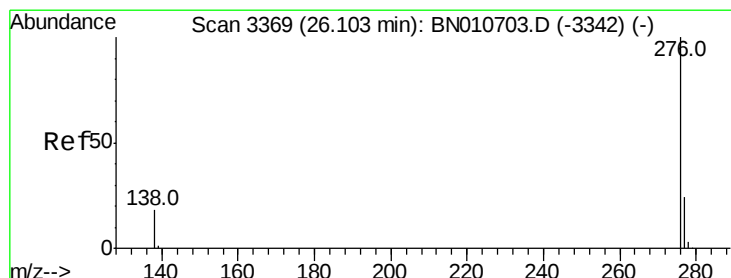
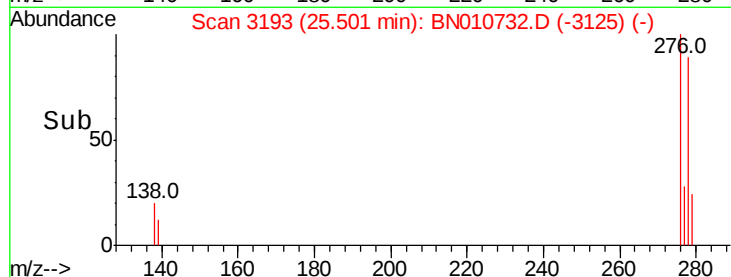
200

100

0

25.40 25.50 25.60

Time-->



#39

Benzo(g,h,i)perylene

Concen: 0.045 ng

RT: 26.12 min Scan# 3375

Delta R.T. 0.03 min

Lab File: BN010732.D

Acq: 21 May 2020 17:34

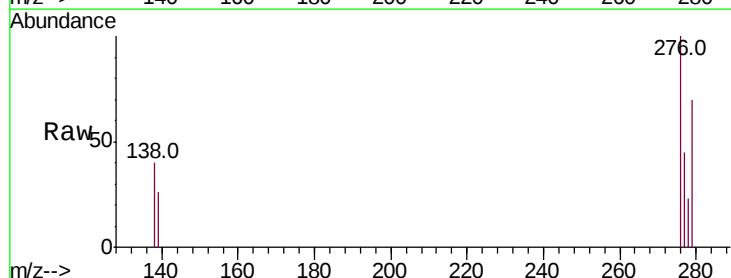
Tgt Ion:276 Resp: 1135

Ion Ratio Lower Upper

276 100

277 45.2 20.6 30.8#

138 39.6 16.0 24.0#



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

26.12

300

200

100

0

26.00 26.10 26.20 26.30

Time-->

