

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN052120\
 Data File : BN010735.D
 Acq On : 21 May 2020 19:58
 Operator : CG/JU
 Sample : L2723-03
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 OUTFALL001-200519

Quant Time: May 22 04:57:43 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	2689	0.40	ng	0.00
7) Naphthalene-d8	10.33	136	10522	0.40	ng	0.00
13) Acenaphthene-d10	14.20	164	6279	0.40	ng	0.00
19) Phenanthrene-d10	16.95	188	12408	0.40	ng	0.00
27) Chrysene-d12	21.15	240	9826	0.40	ng	0.00
34) Perylene-d12	23.32	264	8719	0.40	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Fluorophenol	5.22	112	1075	0.20	ng	0.00
5) Phenol-d6	6.78	99	919	0.14	ng	0.00
8) Nitrobenzene-d5	8.72	82	3042	0.42	ng	0.01
11) 2-Methylnaphthalene-d10	11.93	152	6846	0.40	ng	0.00
14) 2,4,6-Tribromophenol	15.71	330	873	0.38	ng	0.00
15) 2-Fluorobiphenyl	12.83	172	10169	0.44	ng	0.01
25) Fluoranthene-d10	18.99	212	16114	0.48	ng	0.00
29) Terphenyl-d14	19.60	244	13061	0.56	ng	0.00

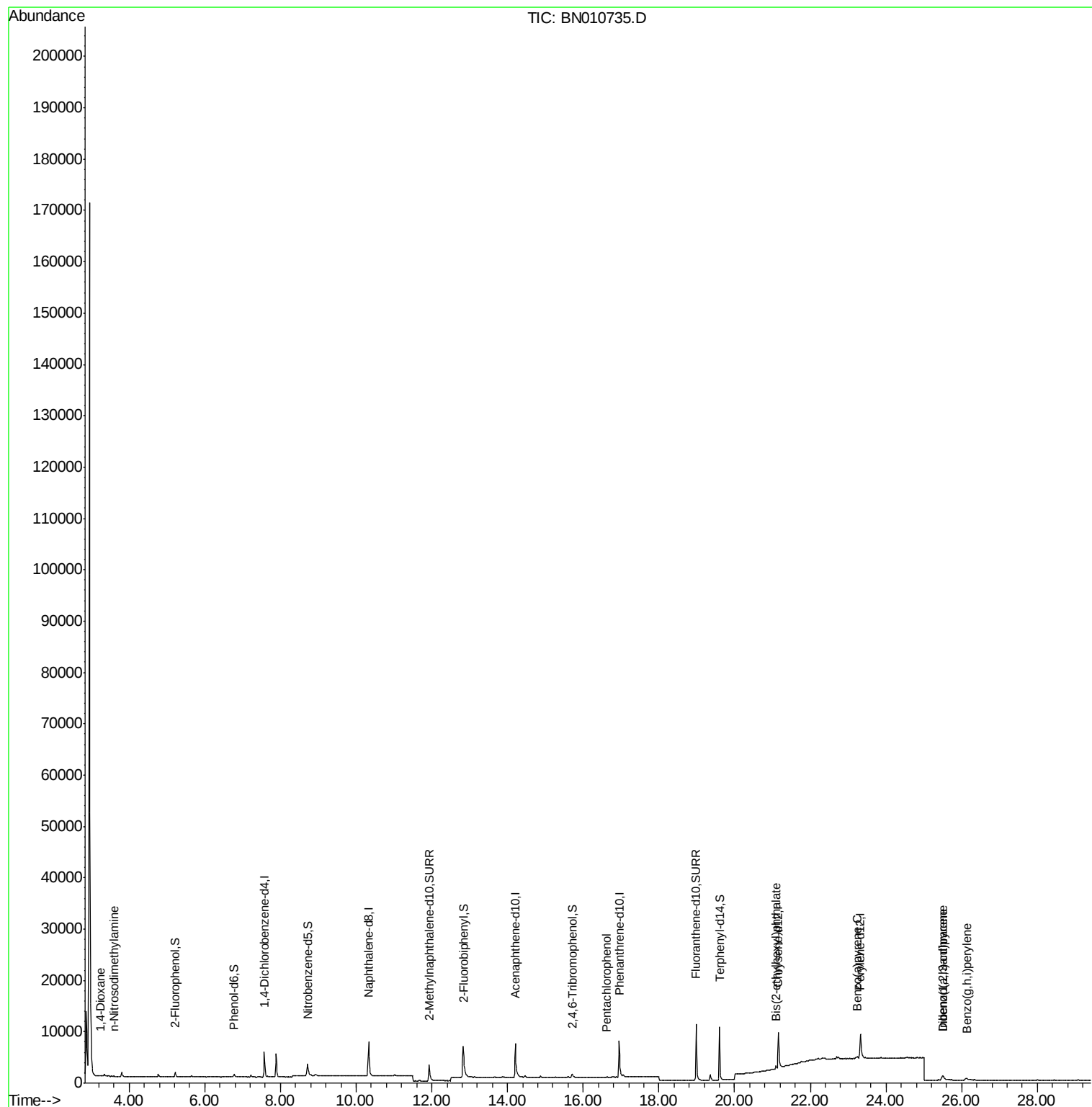
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) 1,4-Dioxane	3.24	88	50	0.022	ng	# 76
3) n-Nitrosodimethylamine	3.60	42	34	0.025	ng	# 1
22) Pentachlorophenol	16.62	266	55	0.022	ng	# 63
32) Bis(2-ethylhexyl)phthalate	21.09	149	640	0.051	ng	# 94
33) Indeno(1,2,3-cd)pyrene	25.49	276	1492	0.052	ng	# 84
37) Benzo(a)pyrene	23.24	252	566	0.023	ng	# 1
38) Dibenzo(a,h)anthracene	25.50	278	1382	0.065	ng	# 32
39) Benzo(g,h,i)perylene	26.13	276	1220	0.049	ng	# 61

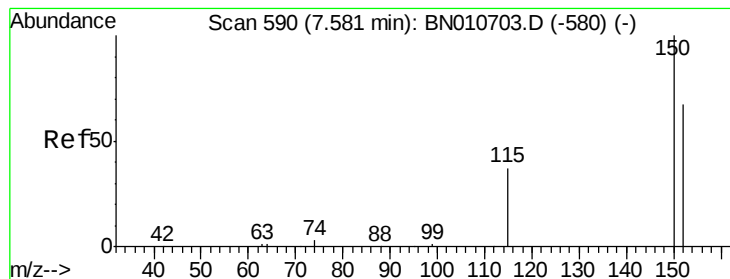
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 0.400 ng

RT: 7.57 min Scan# 589

Delta R.T. 0.00 min

Lab File: BN010735.D

Acq: 21 May 2020 19:58

Instrument :

BNA_N

ClientSampleId :

OUTFALL001-200519

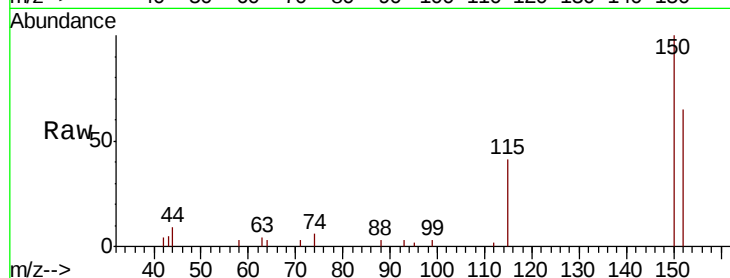
Tot Ion:152 Resp: 2689

Ion Ratio Lower Upper

152 100

150 153.7 119.4 179.0

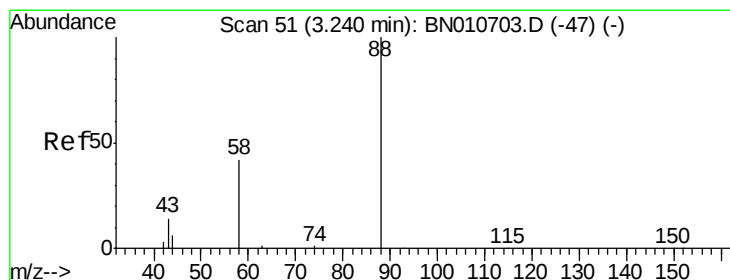
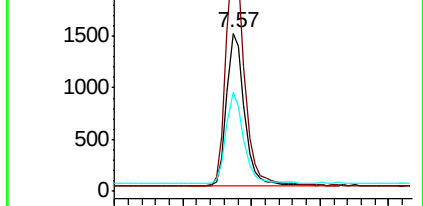
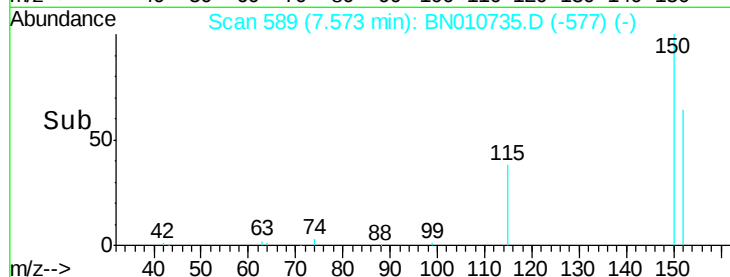
115 62.9 45.9 68.9



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



#2

1,4-Dioxane

Concen: 0.022 ng

RT: 3.24 min Scan# 51

Delta R.T. 0.00 min

Lab File: BN010735.D

Acq: 21 May 2020 19:58

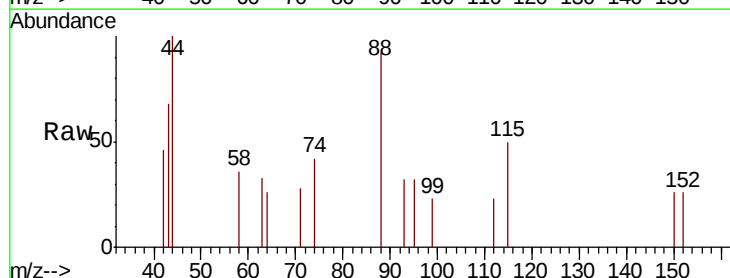
Tgt Ion: 88 Resp: 50

Ion Ratio Lower Upper

88 100

58 36.0 39.0 58.6#

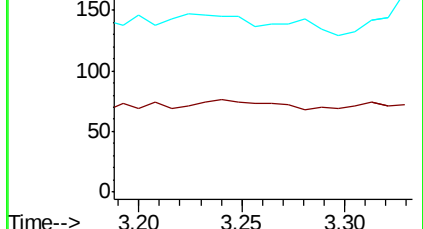
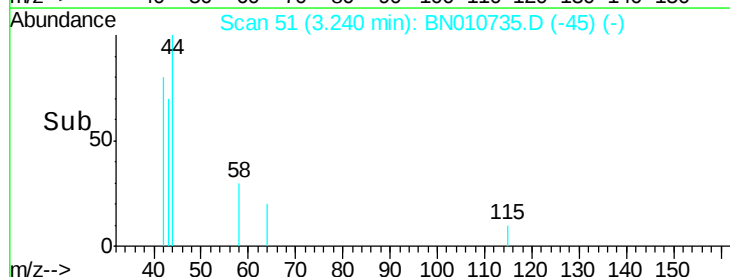
43 34.0 13.1 19.7#

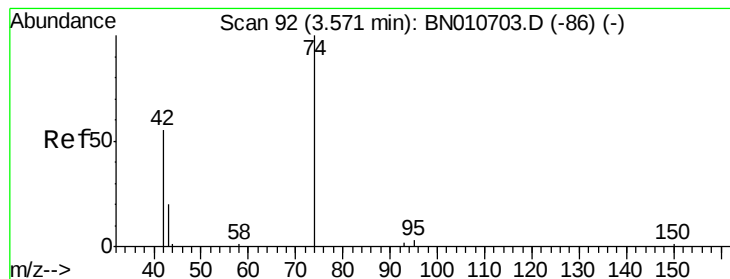


Abundance Ion 88.00 (87.70 to 88.70): BNC

Ion 58.00 (57.70 to 58.70): BNC

Ion 43.00 (42.70 to 43.70): BNC





#3

n-Nitrosodimethylamine

Concen: 0.025 ng

RT: 3.60 min Scan# 96

Delta R.T. 0.02 min

Lab File: BN010735.D

Acq: 21 May 2020 19:58

Instrument :

BNA_N

ClientSampleId :

OUTFALL001-200519

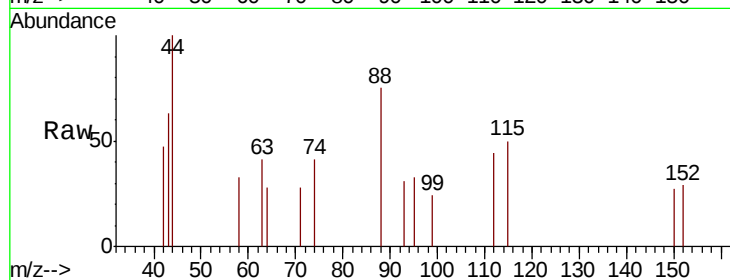
Tot Ion: 42 Resp: 34

Ion Ratio Lower Upper

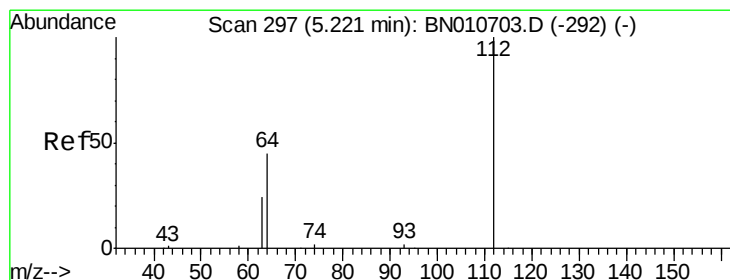
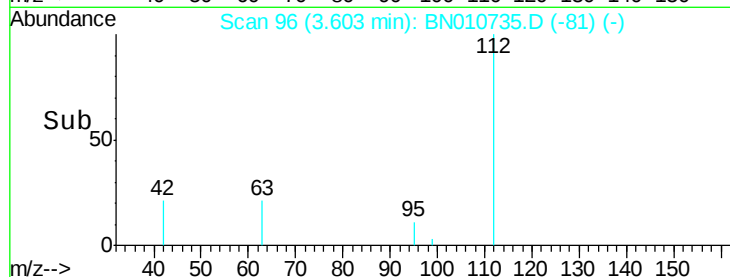
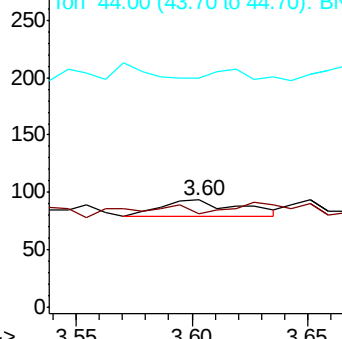
42 100

74 0.0 146.2 219.2#

44 0.0 3.0 4.4#



Abundance Ion 42.00 (41.70 to 42.70): BN0
Ion 74.00 (73.70 to 74.70): BN0
Ion 44.00 (43.70 to 44.70): BN0



#4

2-Fluorophenol

Concen: 0.204 ng

RT: 5.22 min Scan# 297

Delta R.T. 0.00 min

Lab File: BN010735.D

Acq: 21 May 2020 19:58

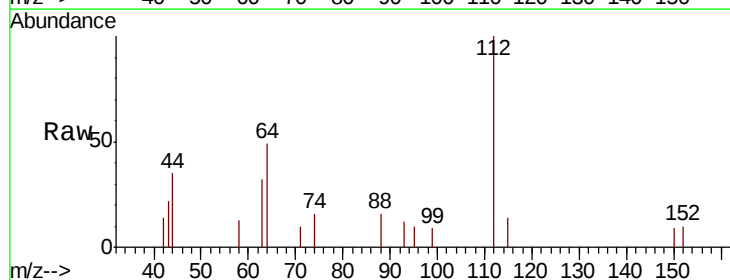
Tgt Ion: 112 Resp: 1075

Ion Ratio Lower Upper

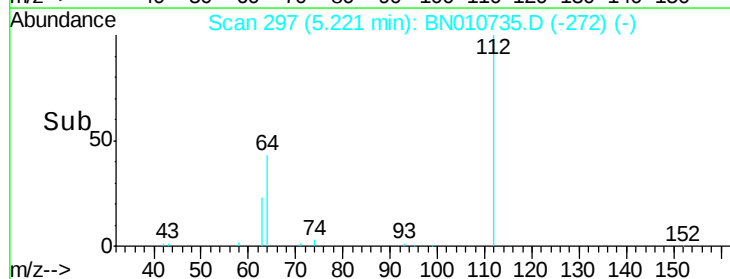
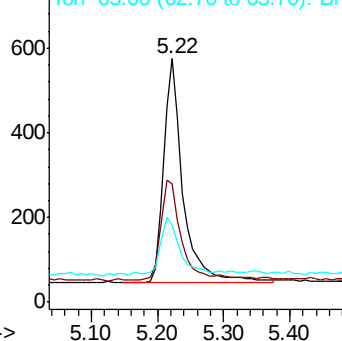
112 100

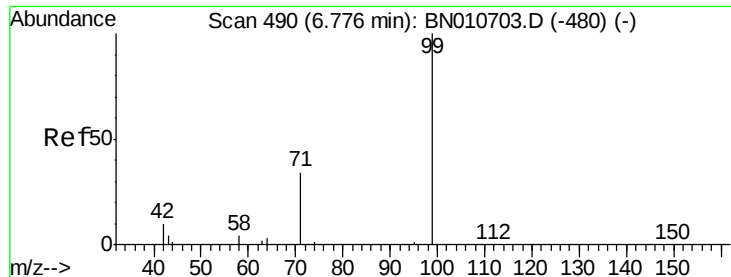
64 45.5 36.2 54.4

63 24.7 19.8 29.8



Abundance Ion 112.00 (111.70 to 112.70): E
Ion 64.00 (63.70 to 64.70): BN0
Ion 63.00 (62.70 to 63.70): BN0





#5

Phenol-d6

Concen: 0.143 ng

RT: 6.78 min Scan# 490

Delta R.T. 0.01 min

Lab File: BN010735.D

Acq: 21 May 2020 19:58

Instrument :

BNA_N

ClientSampleId :

OUTFALL001-200519

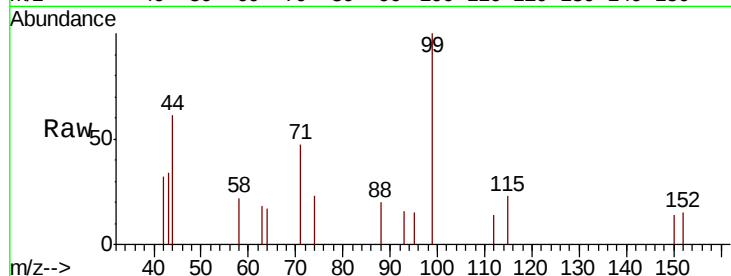
Tot Ion: 99 Resp: 919

Ion Ratio Lower Upper

99 100

42 11.0 9.8 14.8

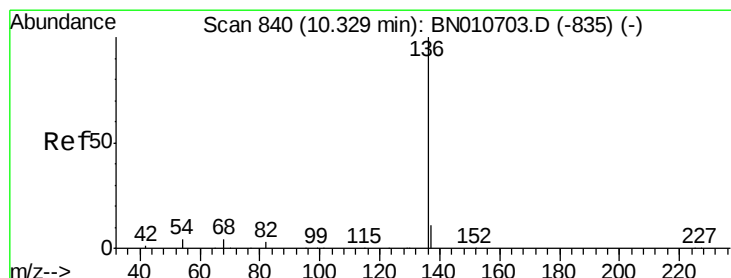
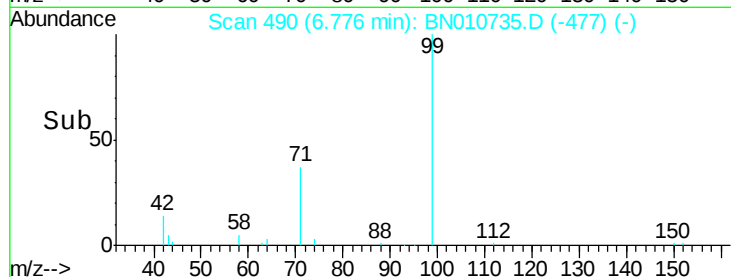
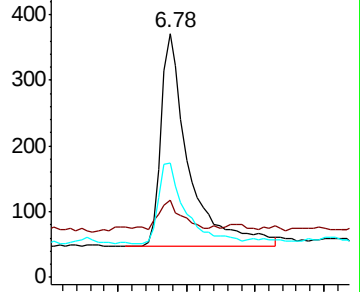
71 37.2 28.6 42.8



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) (-)



#7

Naphthalene-d8

Concen: 0.400 ng

RT: 10.33 min Scan# 840

Delta R.T. 0.00 min

Lab File: BN010735.D

Acq: 21 May 2020 19:58

Tgt Ion: 136 Resp: 10522

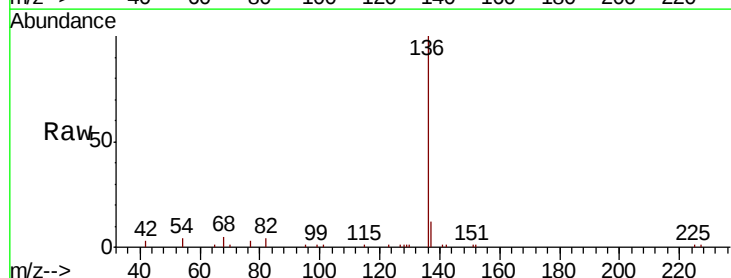
Ion Ratio Lower Upper

136 100

137 11.9 9.2 13.8

54 4.4 3.6 5.4

68 5.2 4.1 6.1

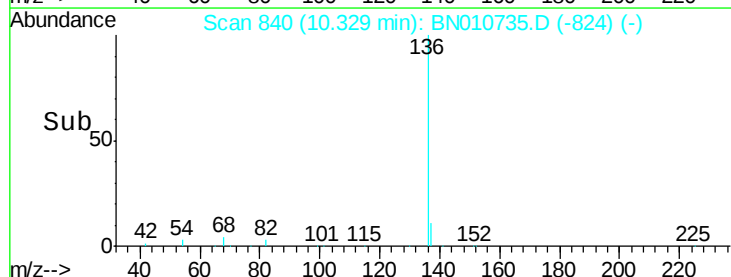
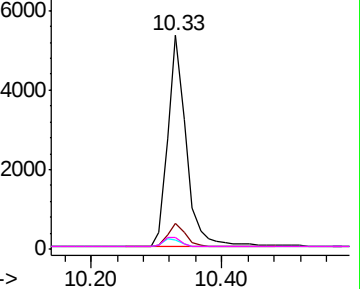


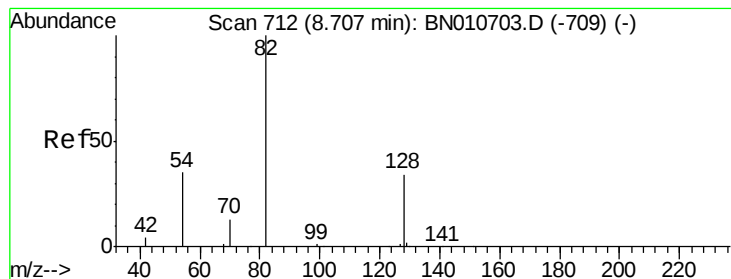
Abundance Ion 136.00 (135.70 to 136.70): BN010703.D (-835) (-)

Ion 137.00 (136.70 to 137.70): BN010703.D (-835) (-)

Ion 54.00 (53.70 to 54.70): BN010703.D (-835) (-)

Ion 68.00 (67.70 to 68.70): BN010703.D (-835) (-)





#8

Nitrobenzene-d5

Concen: 0.416 ng

RT: 8.72 min Scan# 713

Delta R.T. 0.01 min

Lab File: BN010735.D

Acq: 21 May 2020 19:58

Instrument :

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ClientSampleId :

OUTFALL001-200519

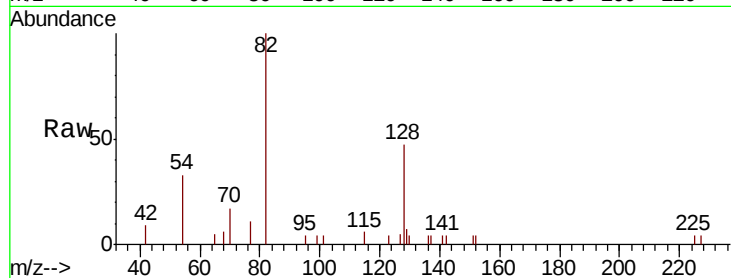
Tot Ion: 82 Resp: 3042

Ion Ratio Lower Upper

82 100

128 46.6 29.0 43.4#

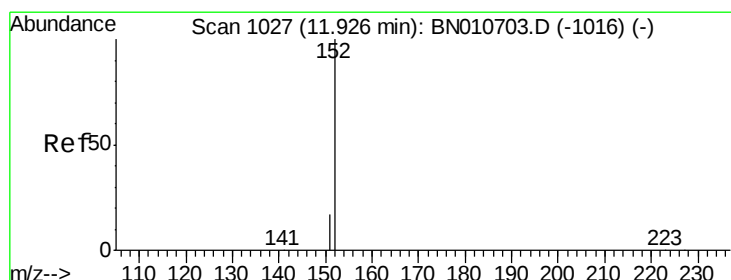
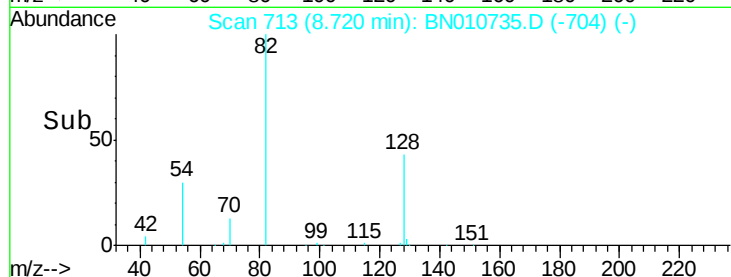
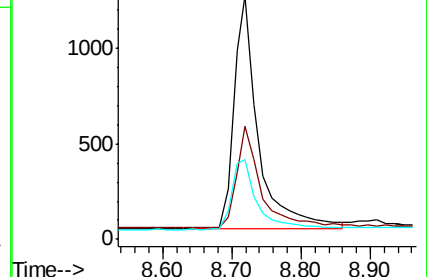
54 32.6 29.3 43.9



Abundance Ion 82.00 (81.70 to 82.70): BN010703.D (-709) (-)

Ion 128.00 (127.70 to 128.70): BN010703.D (-709) (-)

Ion 54.00 (53.70 to 54.70): BN010703.D (-709) (-)



#11

2-Methylnaphthalene-d10

Concen: 0.399 ng

RT: 11.93 min Scan# 1028

Delta R.T. 0.00 min

Lab File: BN010735.D

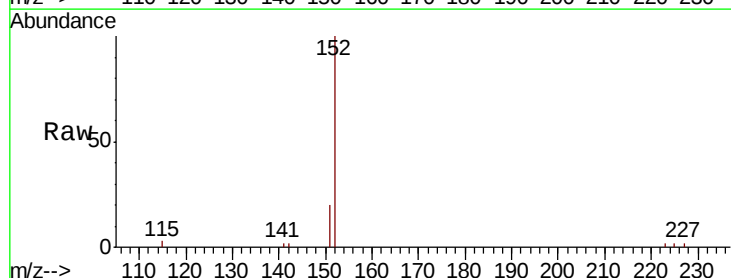
Acq: 21 May 2020 19:58

Tgt Ion: 152 Resp: 6846

Ion Ratio Lower Upper

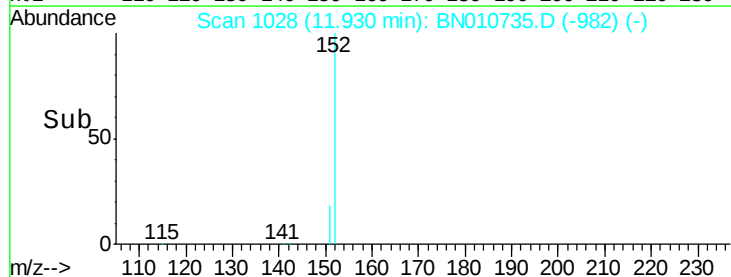
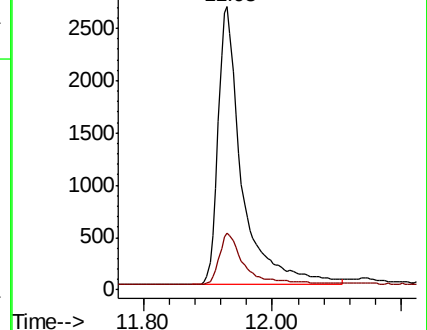
152 100

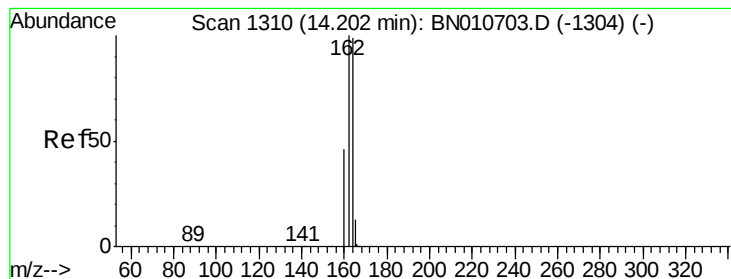
151 19.1 15.0 22.6



Abundance Ion 152.00 (151.70 to 152.70): BN010703.D (-1016) (-)

Ion 151.00 (150.70 to 151.70): BN010703.D (-1016) (-)





#13

Acenaphthene-d10

Concen: 0.400 ng

RT: 14.20 min Scan# 1310

Delta R.T. 0.00 min

Lab File: BN010735.D

Acq: 21 May 2020 19:58

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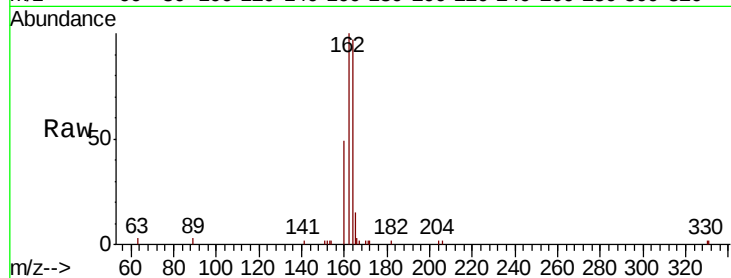
Tot Ion:164 Resp: 6279

Ion Ratio Lower Upper

164 100

162 103.3 81.1 121.7

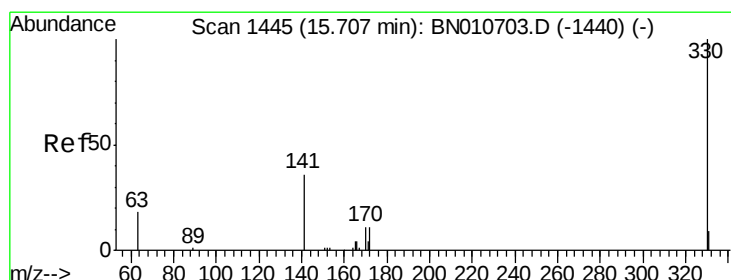
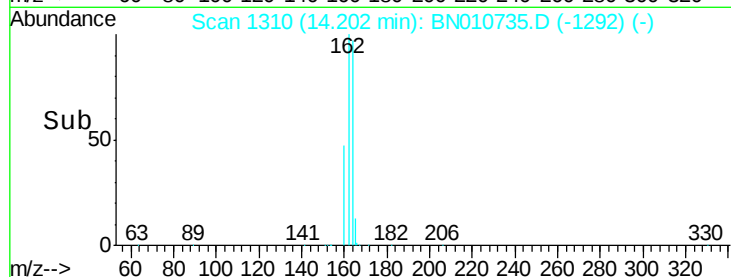
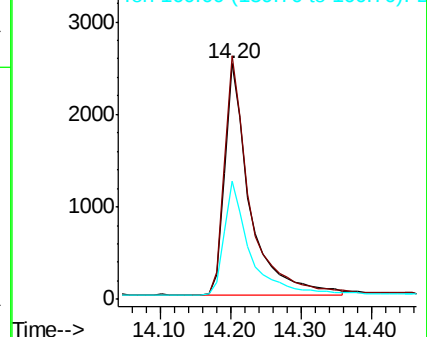
160 50.2 37.9 56.9



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: 0.383 ng

RT: 15.71 min Scan# 1445

Delta R.T. 0.00 min

Lab File: BN010735.D

Acq: 21 May 2020 19:58

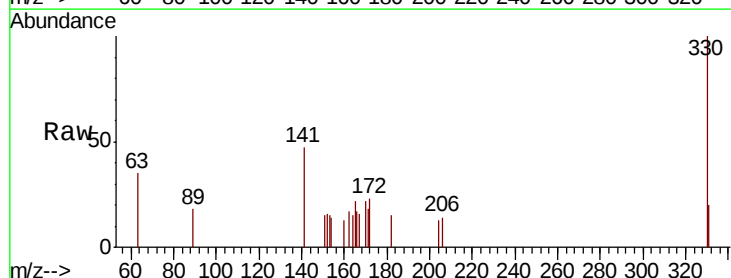
Tgt Ion:330 Resp: 873

Ion Ratio Lower Upper

330 100

332 0.0 0.0 0.0

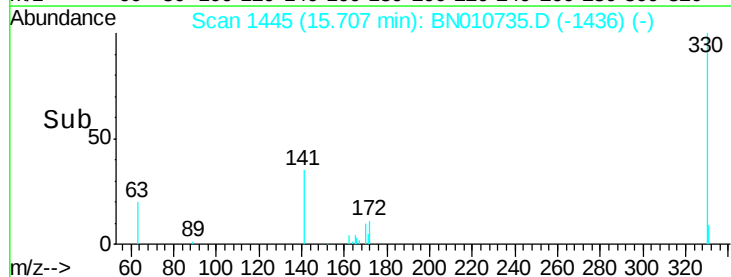
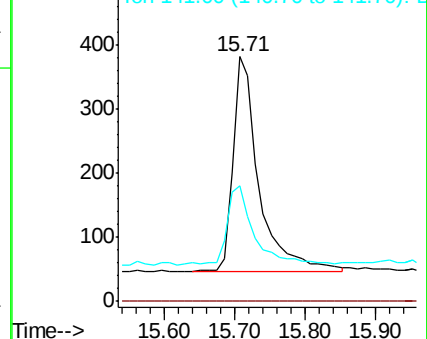
141 36.4 28.8 43.2

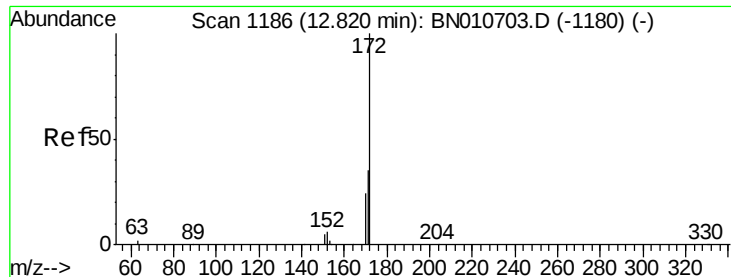


Abundance Ion 330.00 (329.70 to 330.70): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

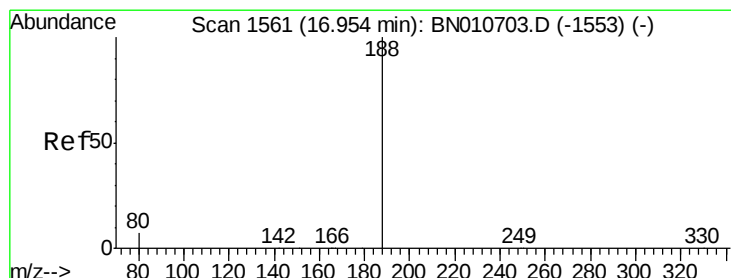
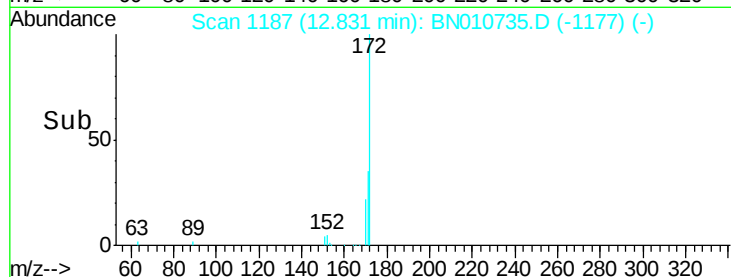
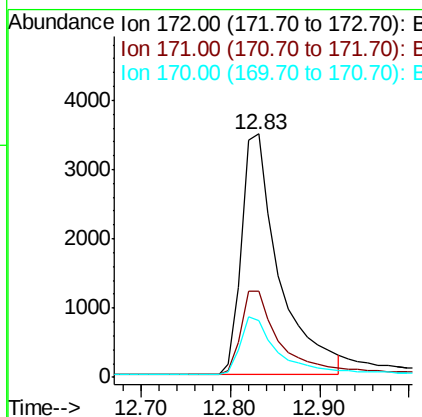
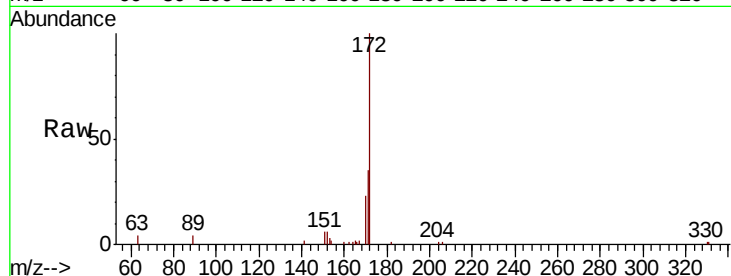




#15
2-Fluorobiphenyl
Concen: 0.441 ng
RT: 12.83 min Scan# 1187
Delta R.T. 0.01 min
Lab File: BN010735.D
Acq: 21 May 2020 19:58

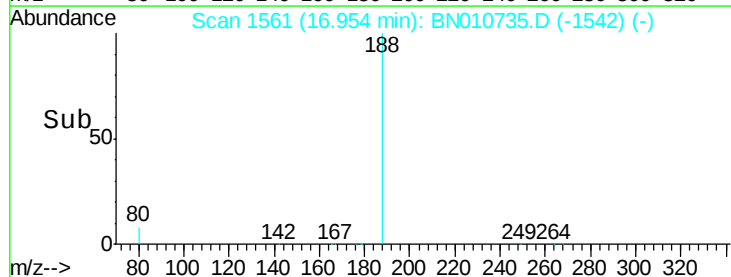
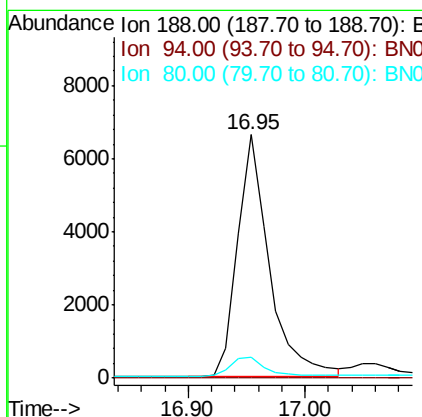
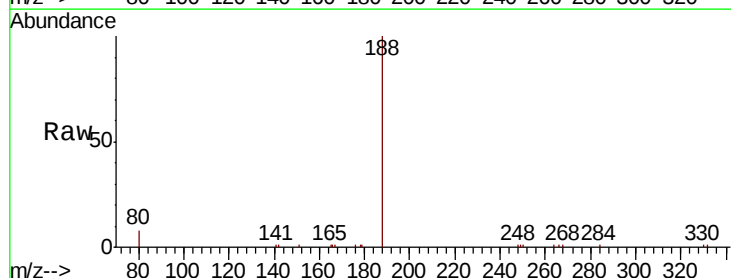
Instrument :
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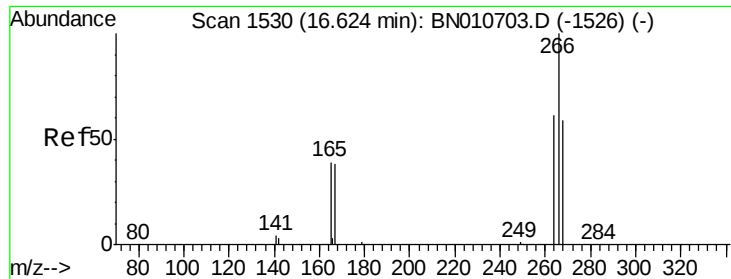
Tot Ion:172 Resp: 10169
Ion Ratio Lower Upper
172 100
171 35.4 28.6 42.8
170 23.5 19.8 29.8



#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 16.95 min Scan# 1561
Delta R.T. 0.00 min
Lab File: BN010735.D
Acq: 21 May 2020 19:58

Tgt Ion:188 Resp: 12408
Ion Ratio Lower Upper
188 100
94 0.0 0.0 0.0
80 8.4 6.3 9.5

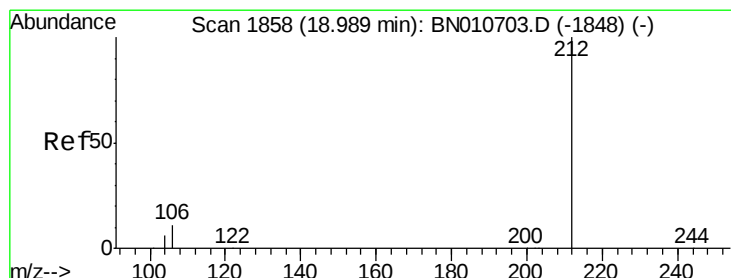
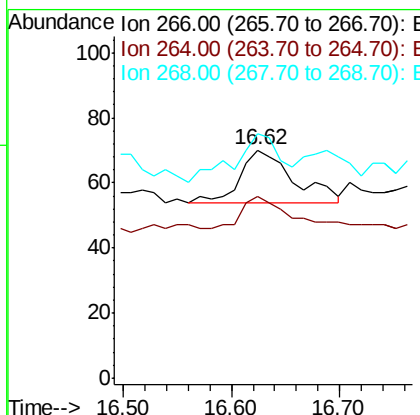
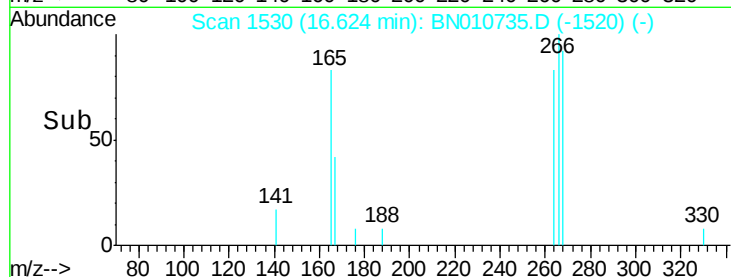
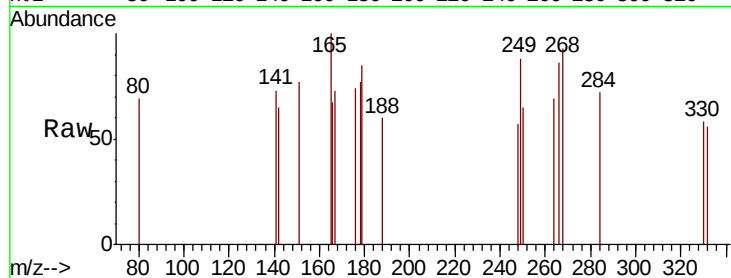




#22
 Pentachlorophenol
 Concen: 0.022 ng
 RT: 16.62 min Scan# 1530
 Delta R.T. 0.01 min
 Lab File: BN010735.D
 Acq: 21 May 2020 19:58

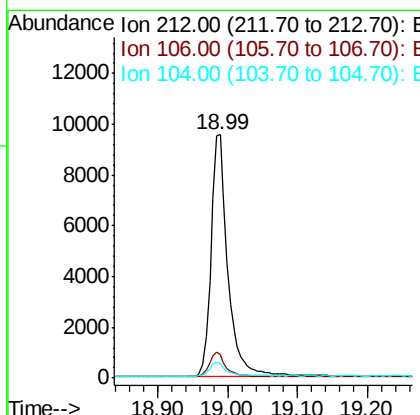
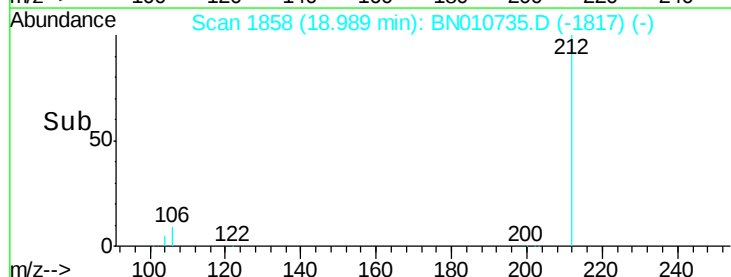
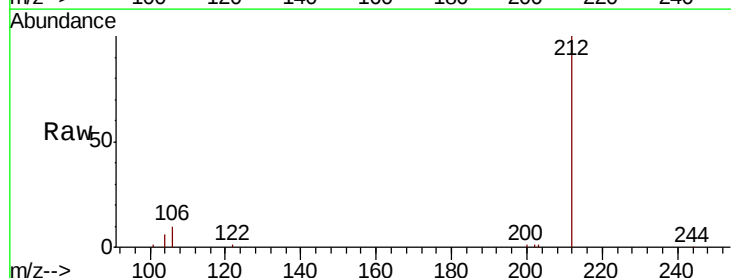
Instrument :
 BNA_N
 ClientSampleId :
 OUTFALL001-200519

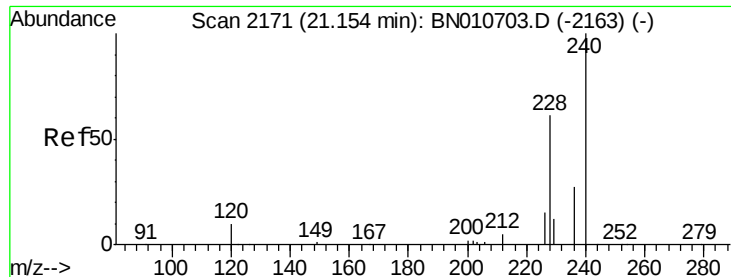
Tot Ion:266 Resp: 55
 Ion Ratio Lower Upper
 266 100
 264 80.0 51.1 76.7#
 268 107.1 52.1 78.1#



#25
 Fluoranthene-d10
 Concen: 0.479 ng
 RT: 18.99 min Scan# 1858
 Delta R.T. 0.01 min
 Lab File: BN010735.D
 Acq: 21 May 2020 19:58

Tgt Ion:212 Resp: 16114
 Ion Ratio Lower Upper
 212 100
 106 9.7 8.2 12.2
 104 5.9 4.7 7.1





#27

Chrysene-d12

Concen: 0.400 ng

RT: 21.15 min Scan# 2171

Delta R.T. 0.00 min

Lab File: BN010735.D

Acq: 21 May 2020 19:58

Instrument :

BNA_N

ClientSampleId :

OUTFALL001-200519

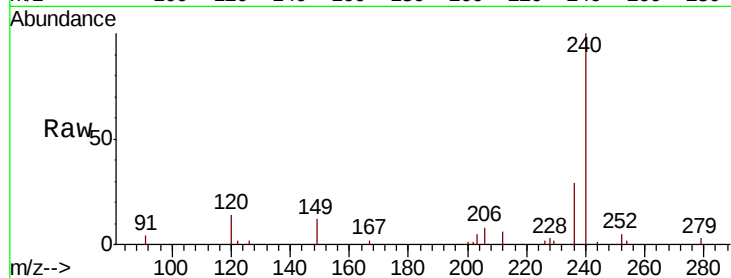
Tot Ion:240 Resp: 9826

Ion Ratio Lower Upper

240 100

120 14.2 9.5 14.3

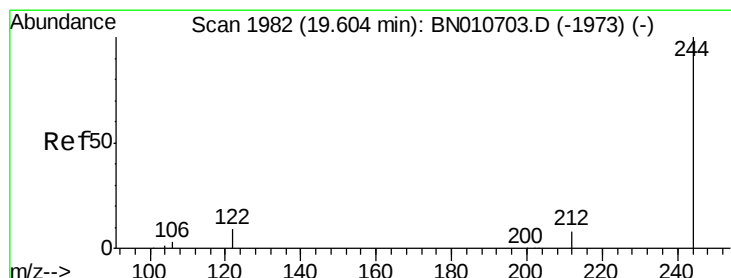
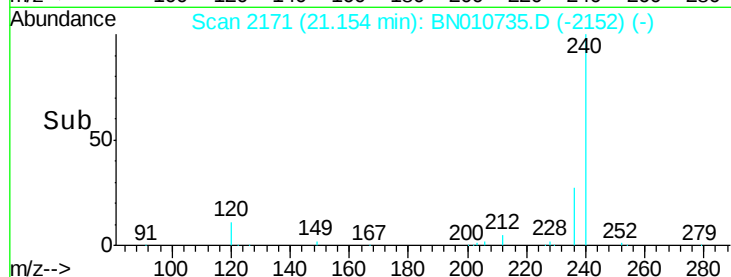
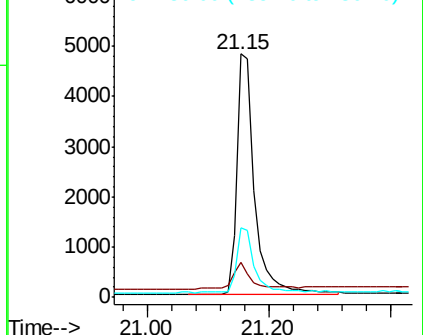
236 28.5 22.5 33.7



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: 0.560 ng

RT: 19.60 min Scan# 1981

Delta R.T. 0.00 min

Lab File: BN010735.D

Acq: 21 May 2020 19:58

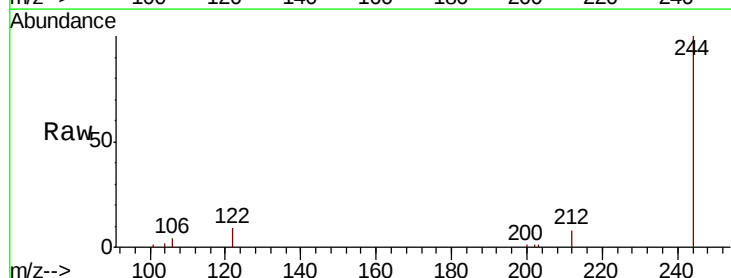
Tgt Ion:244 Resp: 13061

Ion Ratio Lower Upper

244 100

212 8.3 6.8 10.2

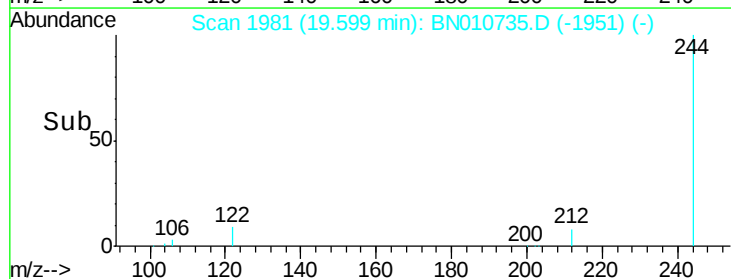
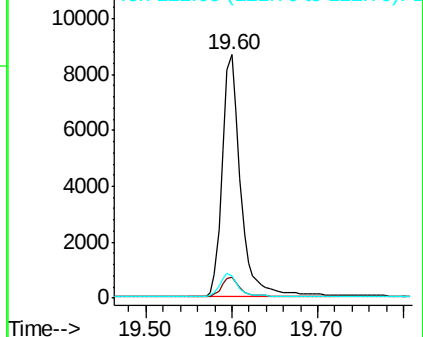
122 9.2 8.1 12.1

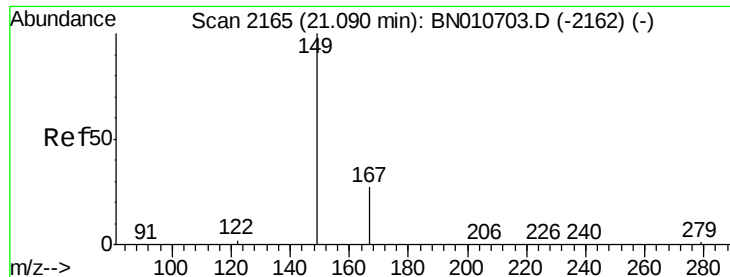


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#32

Bis(2-ethylhexyl)phthalate

Concen: 0.051 ng

RT: 21.09 min Scan# 2165

Delta R.T. 0.00 min

Lab File: BN010735.D

Acq: 21 May 2020 19:58

Instrument :

BNA_N

ClientSampleId :

OUTFALL001-200519

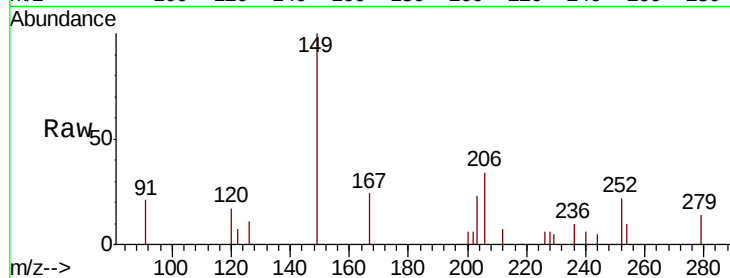
Tot Ion:149 Resp: 640

Ion Ratio Lower Upper

149 100

167 24.8 22.5 33.7

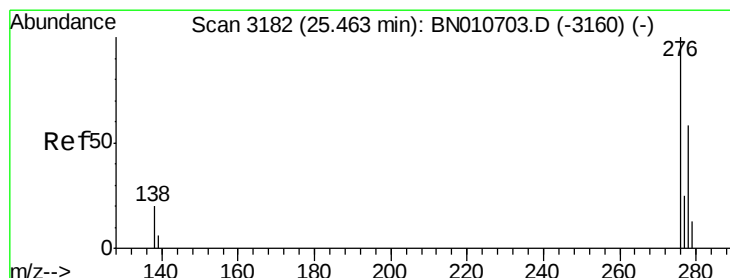
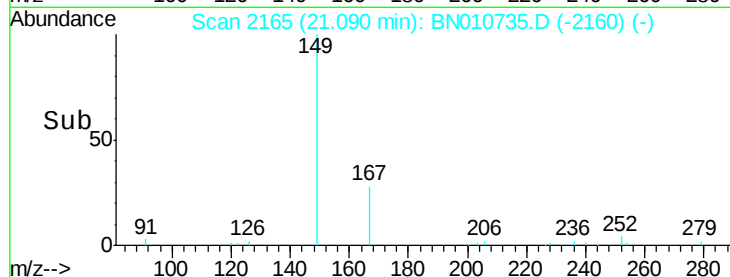
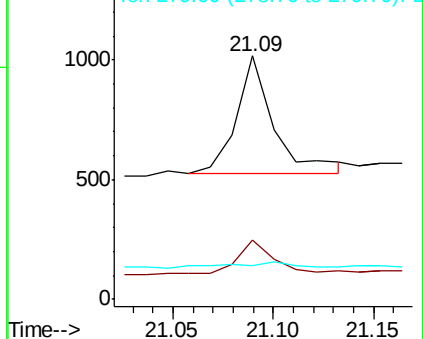
279 4.4 4.1 6.1



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: 0.052 ng

RT: 25.49 min Scan# 3189

Delta R.T. 0.03 min

Lab File: BN010735.D

Acq: 21 May 2020 19:58

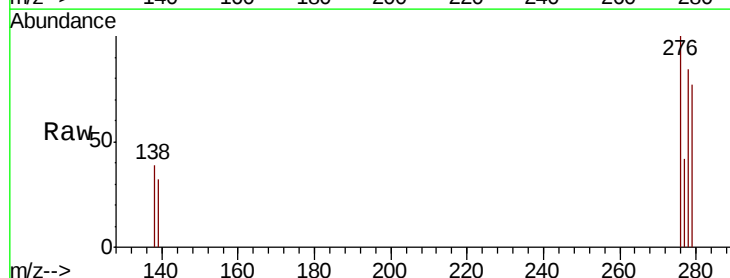
Tgt Ion:276 Resp: 1492

Ion Ratio Lower Upper

276 100

138 17.3 15.1 22.7

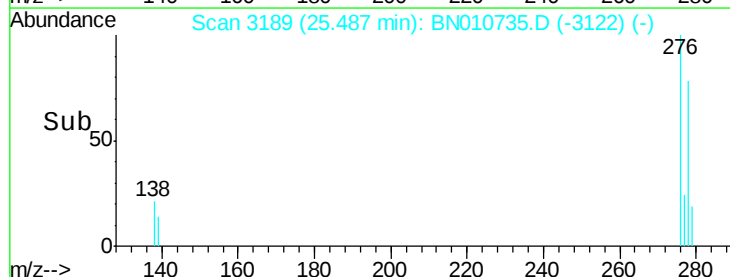
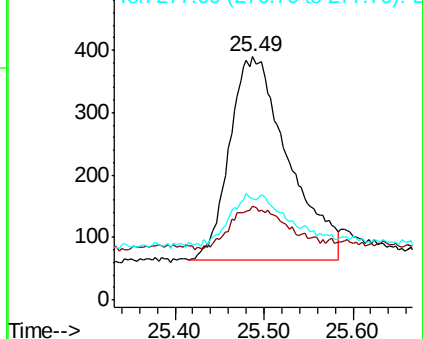
277 11.3 19.4 29.0#

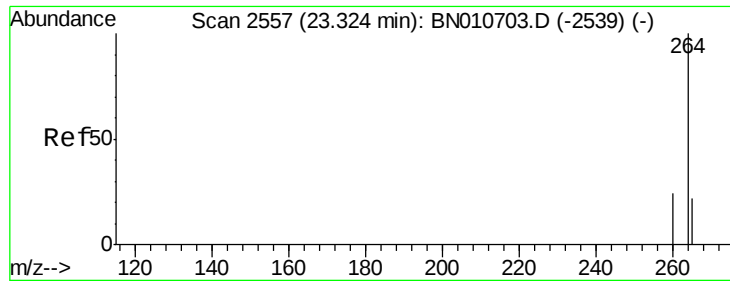


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E





#34

Pervlene-d12

Concen: 0.400 ng

RT: 23.32 min Scan# 2557

Delta R.T. 0.01 min

Lab File: BN010735.D

Acq: 21 May 2020 19:58

Instrument :

BNA_N

ClientSampleId :

OUTFALL001-200519

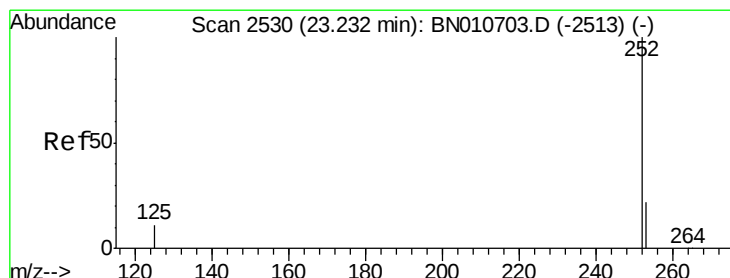
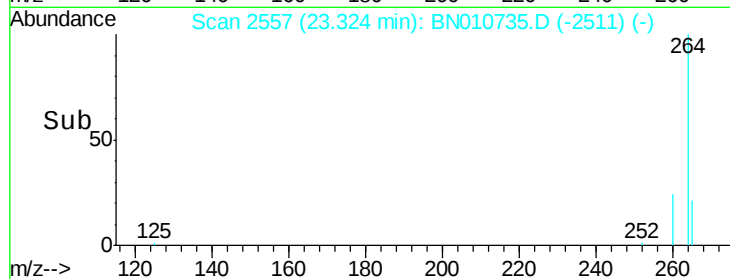
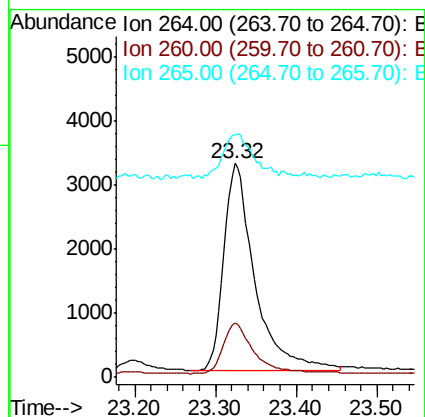
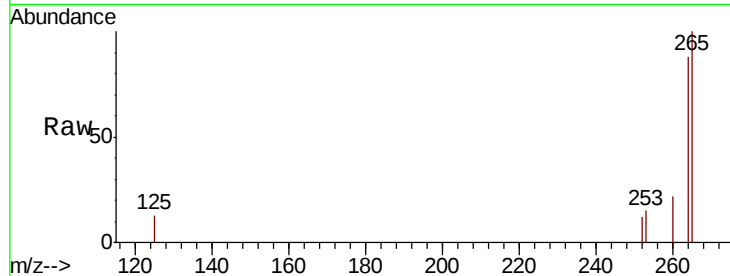
Tot Ion:264 Resp: 8719

Ion Ratio Lower Upper

264 100

260 25.2 19.6 29.4

265 113.4 70.1 105.1#



#37

Benzo(a)pyrene

Concen: 0.023 ng

RT: 23.24 min Scan# 2533

Delta R.T. 0.02 min

Lab File: BN010735.D

Acq: 21 May 2020 19:58

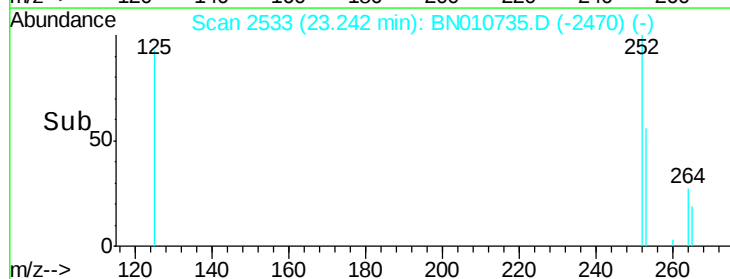
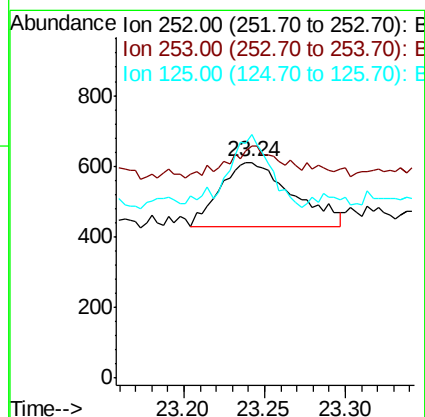
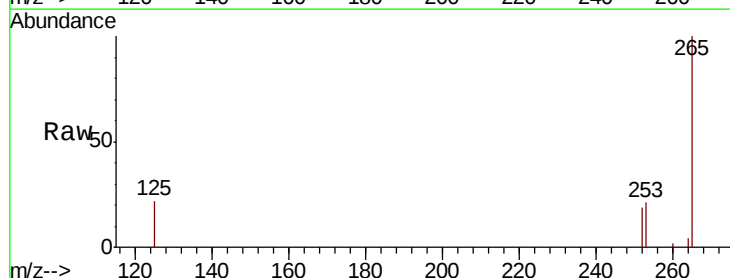
Tgt Ion:252 Resp: 566

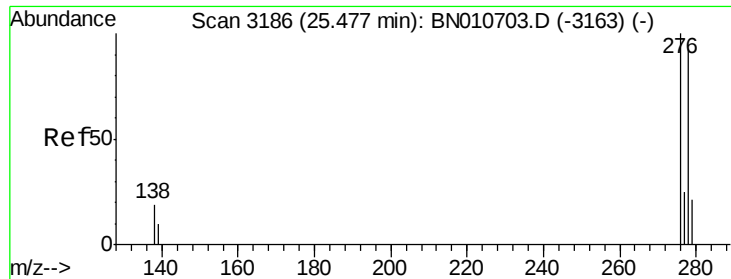
Ion Ratio Lower Upper

252 100

253 107.5 24.8 37.2#

125 113.0 15.8 23.6#





#38

Dibenzo(a,h)anthracene

Concen: 0.065 ng

RT: 25.50 min Scan# 3194

Delta R.T. 0.03 min

Lab File: BN010735.D

Acq: 21 May 2020 19:58

Instrument :

BNA_N

ClientSampleId :

OUTFALL001-200519

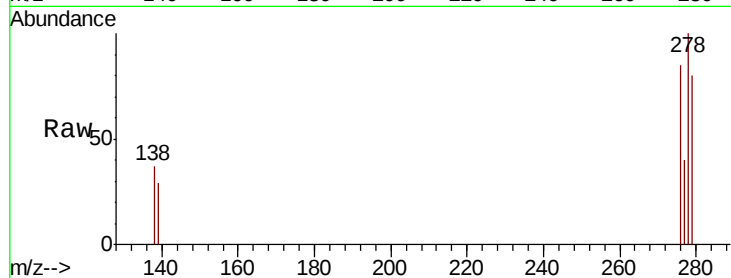
Tot Ion:278 Resp: 1382

Ion Ratio Lower Upper

278 100

139 29.2 13.0 19.4#

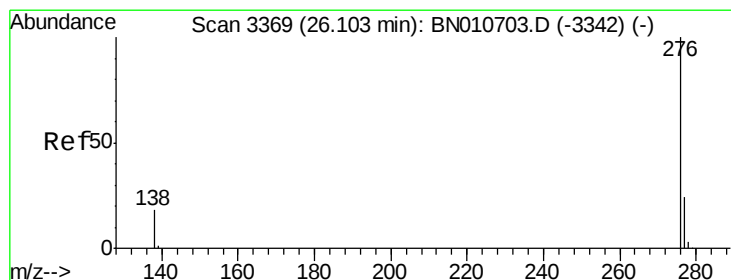
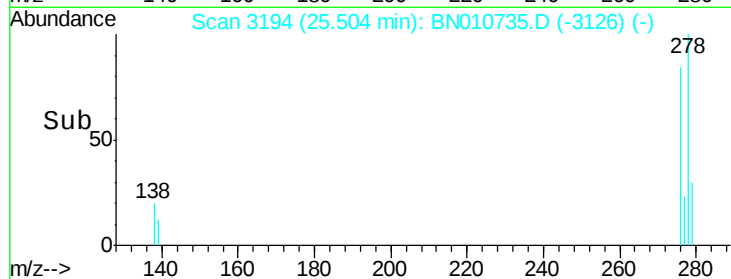
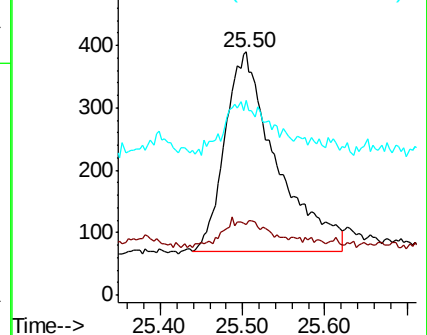
279 80.0 25.1 37.7#



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



#39

Benzo(g,h,i)perylene

Concen: 0.049 ng

RT: 26.13 min Scan# 3376

Delta R.T. 0.03 min

Lab File: BN010735.D

Acq: 21 May 2020 19:58

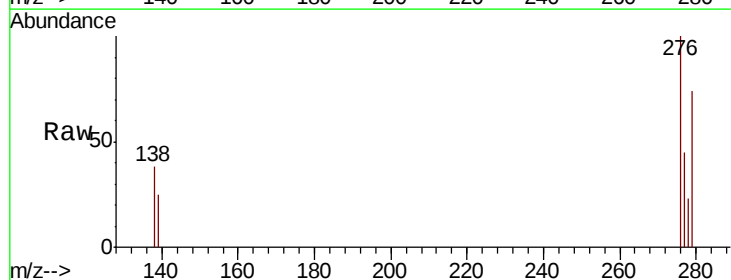
Tgt Ion:276 Resp: 1220

Ion Ratio Lower Upper

276 100

277 45.1 20.6 30.8#

138 38.0 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

