

Data Path : Z:\svoasrv\HPCHEM1\BNA N\Data\BN052120\
 Data File : BN010733.D
 Acq On : 21 May 2020 18:10
 Operator : CG/JU
 Sample : PB129048BSD
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 PB129048BSD

Quant Time: May 21 19:59:25 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	2405	0.40	ng	0.00
7) Naphthalene-d8	10.33	136	9652	0.40	ng	0.00
13) Acenaphthene-d10	14.20	164	6295	0.40	ng	0.00
19) Phenanthrene-d10	16.95	188	13441	0.40	ng	0.00
27) Chrysene-d12	21.16	240	9641	0.40	ng	0.00
34) Perylene-d12	23.32	264	8619	0.40	ng	0.00

System Monitoring Compounds						
4) 2-Fluorophenol	5.22	112	1548	0.33	ng	0.00
5) Phenol-d6	6.78	99	1844	0.32	ng	0.00
8) Nitrobenzene-d5	8.71	82	2136	0.32	ng	0.00
11) 2-Methylnaphthalene-d10	11.93	152	7004	0.44	ng	0.00
14) 2,4,6-Tribromophenol	15.71	330	574	0.25	ng	0.00
15) 2-Fluorobiphenyl	12.83	172	7415	0.32	ng	0.00
25) Fluoranthene-d10	19.00	212	10213	0.28	ng	0.01
29) Terphenyl-d14	19.61	244	7463	0.33	ng	0.00

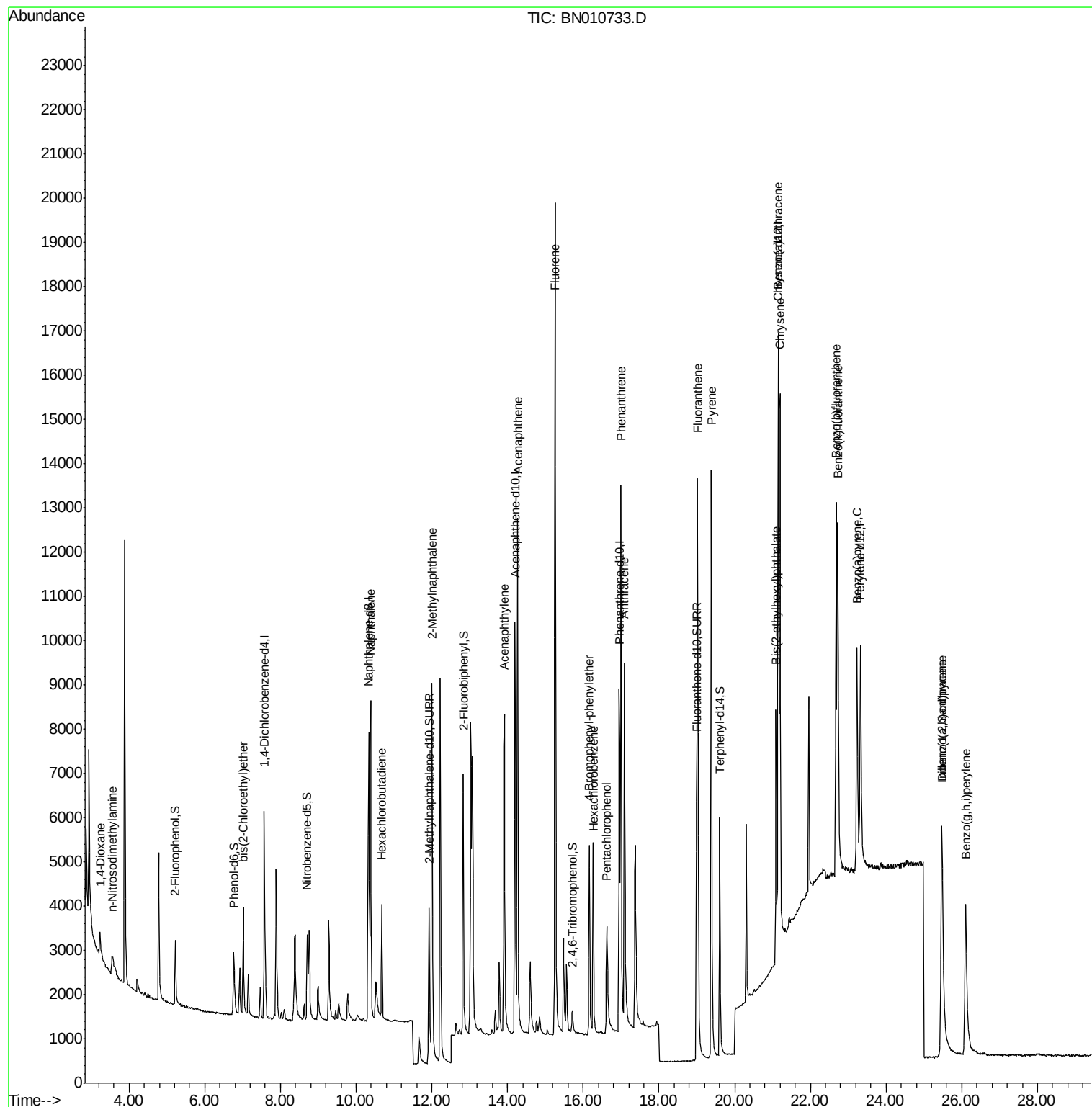
Target Compounds				Qvalue		
2) 1,4-Dioxane	3.23	88	616	0.297	ng	# 85
3) n-Nitrosodimethylamine	3.55	42	535	0.448	ng	# 93
6) bis(2-Chloroethyl)ether	7.02	93	2492	0.421	ng	96
9) Naphthalene	10.38	128	10537	0.434	ng	100
10) Hexachlorobutadiene	10.67	225	2143	0.386	ng	# 98
12) 2-Methylnaphthalene	12.00	142	7779	0.455	ng	99
16) Acenaphthylene	13.92	152	10697	0.416	ng	100
17) Acenaphthene	14.26	154	7445	0.429	ng	100
18) Fluorene	15.26	166	9715	0.427	ng	100
20) 4-Bromophenyl-phenylether	16.15	248	2887	0.389	ng	92
21) Hexachlorobenzene	16.27	284	3763	0.426	ng	99
22) Pentachlorophenol	16.62	266	2306	0.843	ng	99
23) Phenanthrene	16.99	178	15003	0.416	ng	99
24) Anthracene	17.09	178	11985	0.396	ng	100
26) Fluoranthene	19.03	202	15915	0.389	ng	99
28) Pyrene	19.38	202	15826	0.458	ng	99
30) Benzo(a)anthracene	21.14	228	10958	0.390	ng	99
31) Chrysene	21.20	228	14366	0.451	ng	99
32) Bis(2-ethylhexyl)phthalate	21.09	149	4630	0.376	ng	98
33) Indeno(1,2,3-cd)pyrene	25.47	276	9881	0.349	ng	99
35) Benzo(b)fluoranthene	22.68	252	11637	0.408	ng	98
36) Benzo(k)fluoranthene	22.72	252	13246	0.432	ng	98
37) Benzo(a)pyrene	23.23	252	10075	0.409	ng	97
38) Dibenzo(a,h)anthracene	25.49	278	7460	0.354	ng	95
39) Benzo(g,h,i)perylene	26.11	276	9873	0.400	ng	97

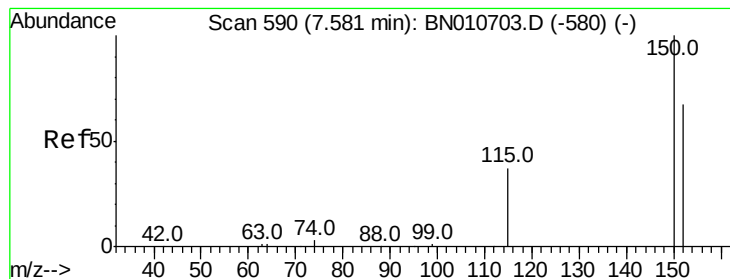
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: BN010733.D

Acq: 21 May 2020 18:10

Instrument :

BNA_N

ClientSampleId :

PB129048BSD

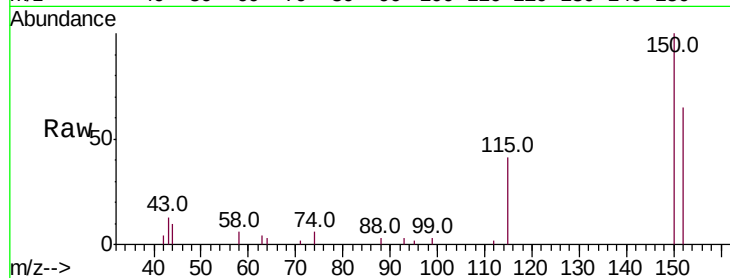
Tot Ion:152 Resp: 2405

Ion Ratio Lower Upper

152 100

150 154.5 119.4 179.0

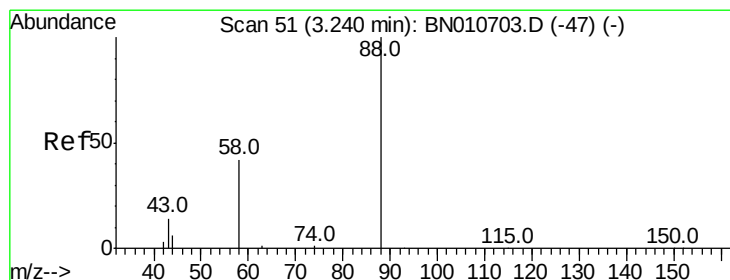
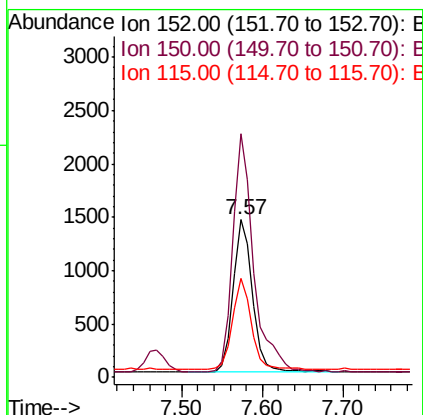
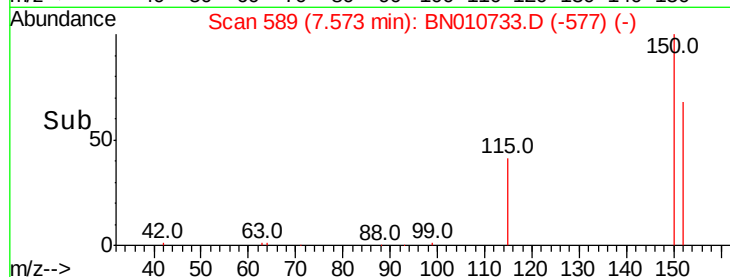
115 62.9 45.9 68.9



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: 0.297 ng

RT: 3.23 min Scan# 50

Delta R.T. -0.01 min

Lab File: BN010733.D

Acq: 21 May 2020 18:10

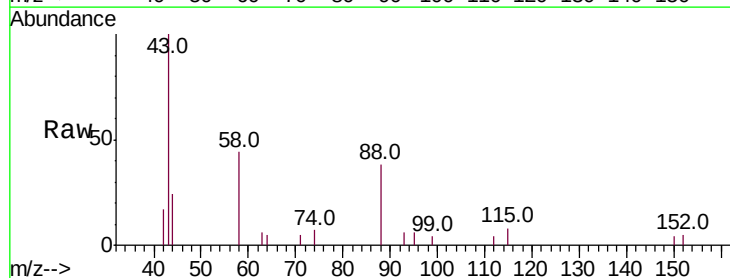
Tgt Ion: 88 Resp: 616

Ion Ratio Lower Upper

88 100

58 53.4 39.0 58.6

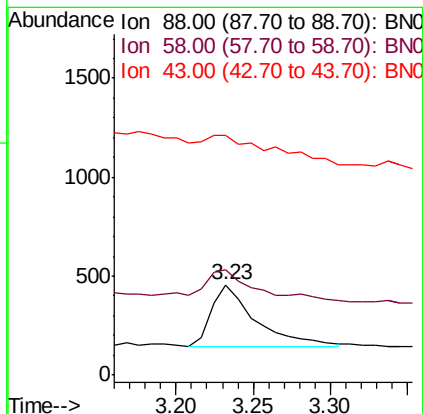
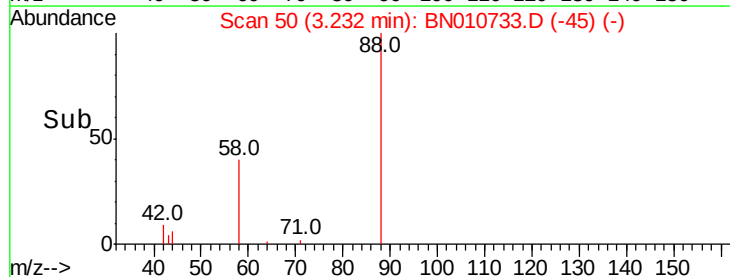
43 0.0 13.1 19.7#

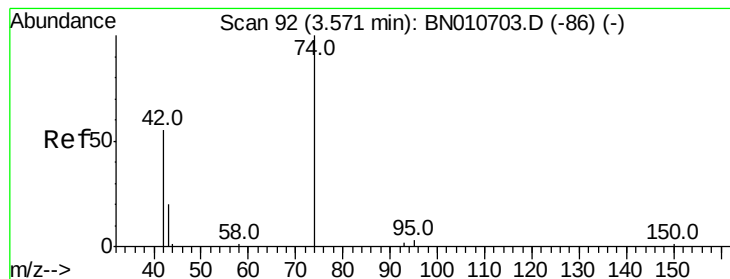


Abundance Ion 88.00 (87.70 to 88.70): BNC

Ion 58.00 (57.70 to 58.70): BNC

Ion 43.00 (42.70 to 43.70): BNC





#3

n-Nitrosodimethylamine

Concen: 0.448 ng

RT: 3.55 min Scan# 90

Delta R.T. -0.02 min

Lab File: BN010733.D

Acq: 21 May 2020 18:10

Instrument :

BNA_N

ClientSampleId :

PB129048BSD

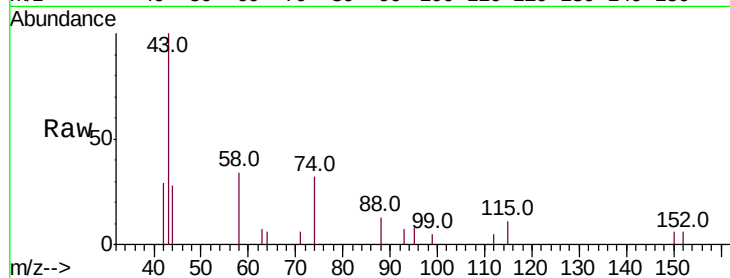
Tot Ion: 42 Resp: 535

Ion Ratio Lower Upper

42 100

74 192.0 146.2 219.2

44 7.3 3.0 4.4#

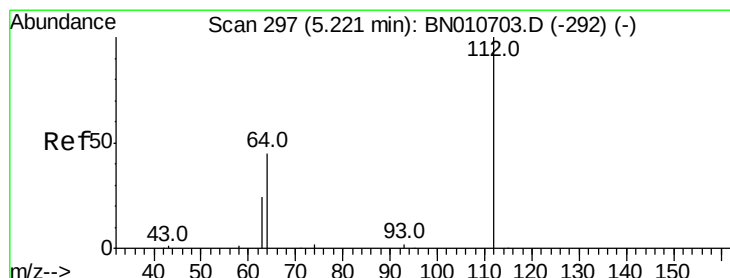
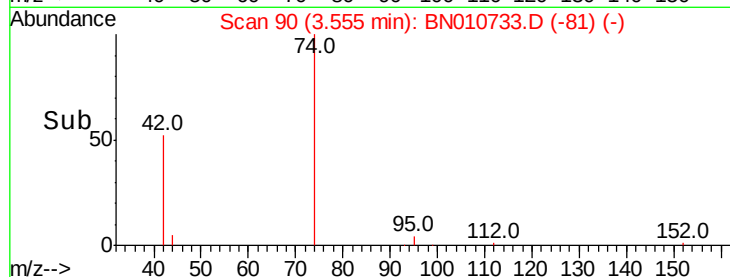
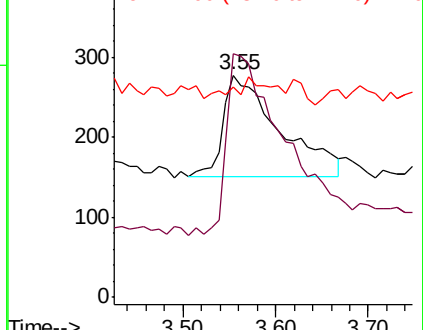


Abundance

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: 0.329 ng

RT: 5.22 min Scan# 297

Delta R.T. 0.00 min

Lab File: BN010733.D

Acq: 21 May 2020 18:10

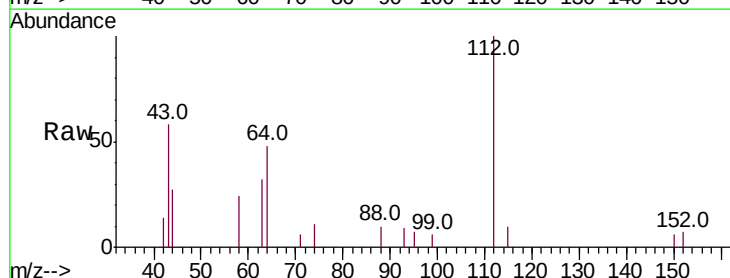
Tgt Ion: 112 Resp: 1548

Ion Ratio Lower Upper

112 100

64 44.6 36.2 54.4

63 24.3 19.8 29.8

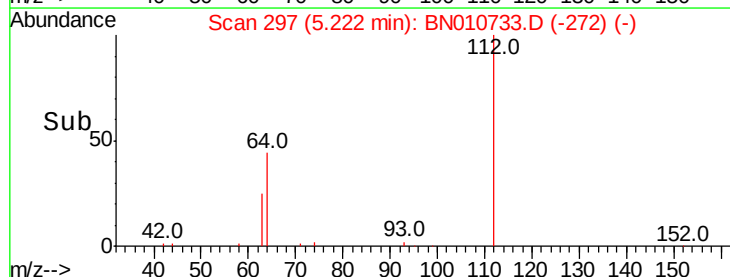
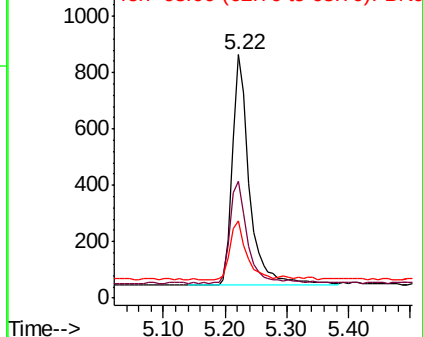


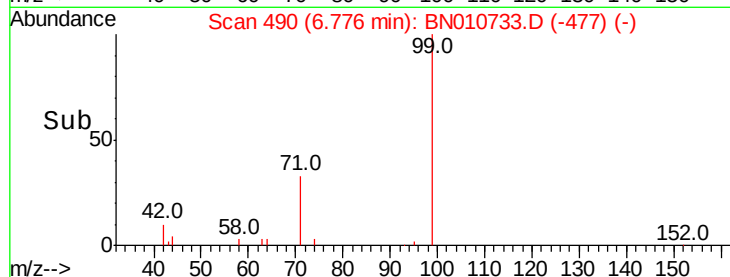
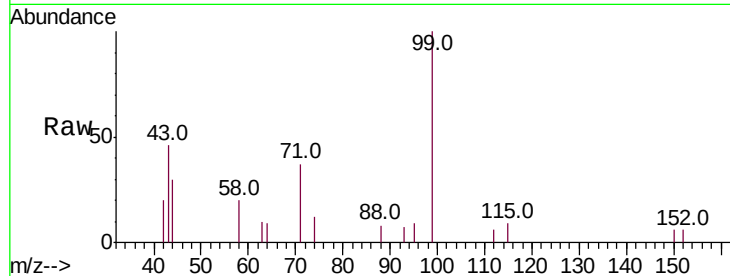
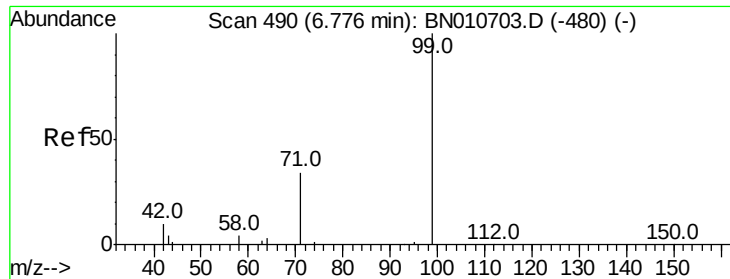
Abundance

Ion 112.00 (111.70 to 112.70): BN0

Ion 64.00 (63.70 to 64.70): BN0

Ion 63.00 (62.70 to 63.70): BN0





#5

Phenol-d6

Concen: 0.321 ng

RT: 6.78 min Scan# 490

Delta R.T. 0.01 min

Lab File: BN010733.D

Acq: 21 May 2020 18:10

Instrument :

BNA_N

ClientSampleId :

PB129048BSD

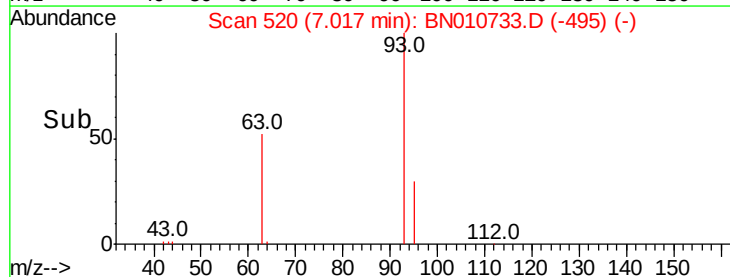
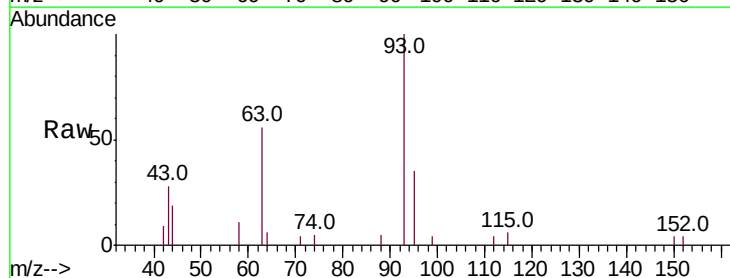
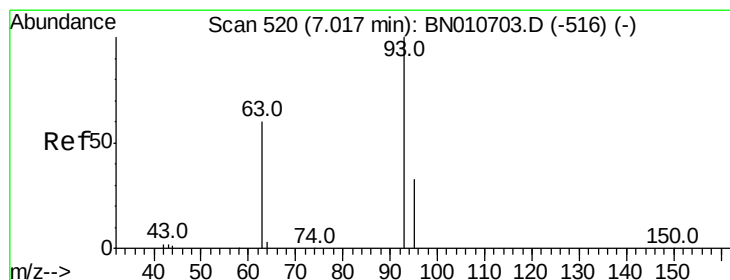
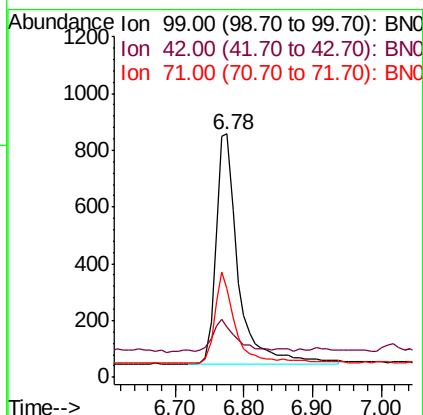
Tot Ion: 99 Resp: 1844

Ion Ratio Lower Upper

99 100

42 13.5 9.8 14.8

71 36.6 28.6 42.8



#6

bis(2-Chloroethyl)ether

Concen: 0.421 ng

RT: 7.02 min Scan# 520

Delta R.T. 0.00 min

Lab File: BN010733.D

Acq: 21 May 2020 18:10

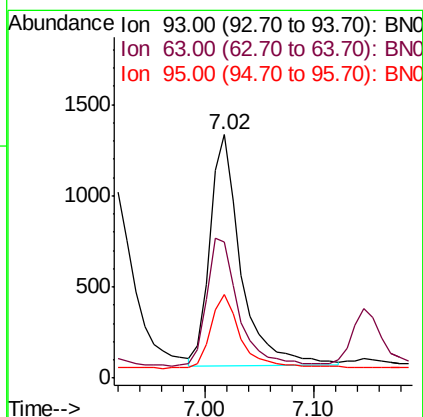
Tgt Ion: 93 Resp: 2492

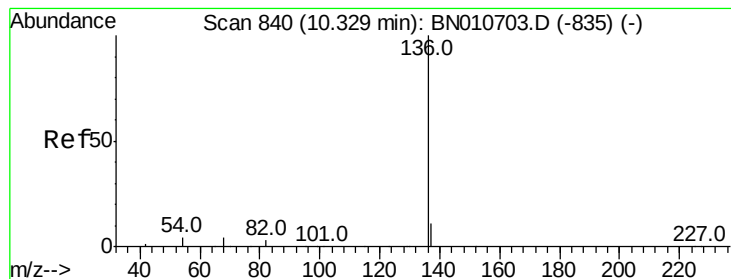
Ion Ratio Lower Upper

93 100

63 57.2 43.1 64.7

95 32.8 24.6 37.0





#7

Naphthalene-d8

Concen: 0.400 ng

RT: 10.33 min Scan# 840

Delta R.T. 0.00 min

Lab File: BN010733.D

Acq: 21 May 2020 18:10

Instrument :

BNA_N

ClientSampleId :

PB129048BSD

Tot Ion:136 Resp: 9652

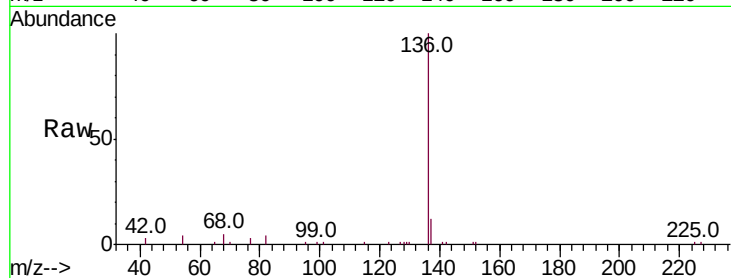
Ion Ratio Lower Upper

136 100

137 12.0 9.2 13.8

54 4.1 3.6 5.4

68 5.0 4.1 6.1

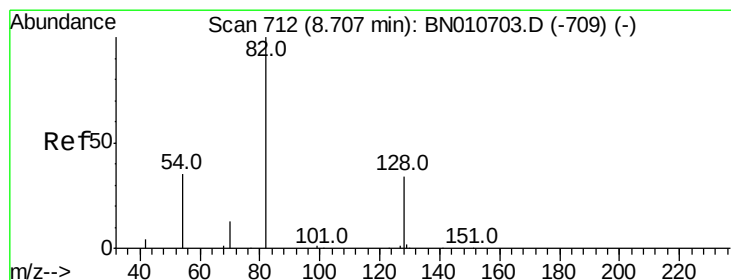
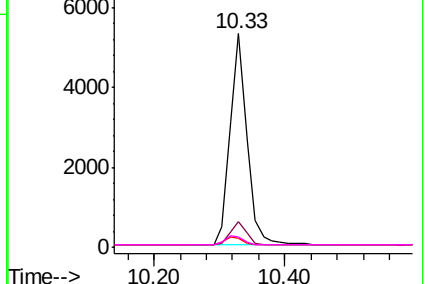
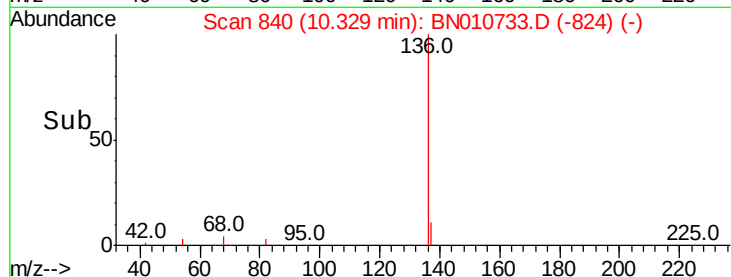


Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BNC

Ion 68.00 (67.70 to 68.70): BNC



#8

Nitrobenzene-d5

Concen: 0.319 ng

RT: 8.71 min Scan# 712

Delta R.T. 0.00 min

Lab File: BN010733.D

Acq: 21 May 2020 18:10

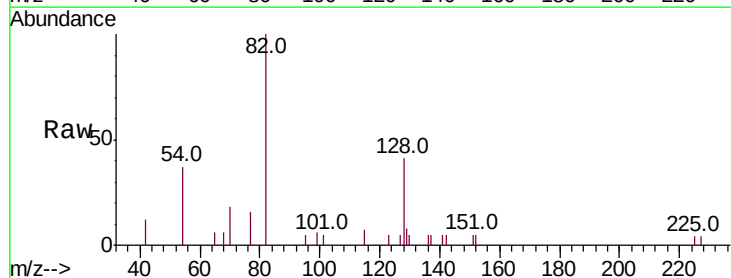
Tgt Ion: 82 Resp: 2136

Ion Ratio Lower Upper

82 100

128 40.5 29.0 43.4

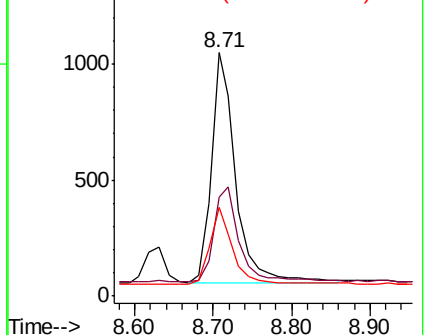
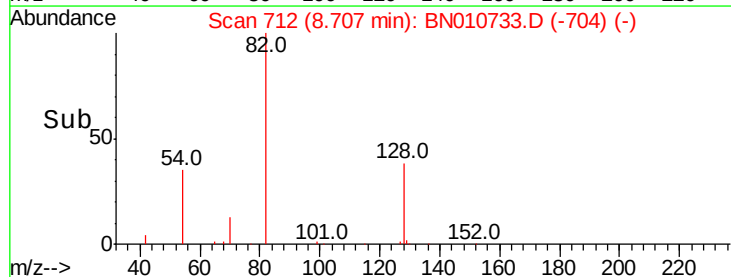
54 36.6 29.3 43.9

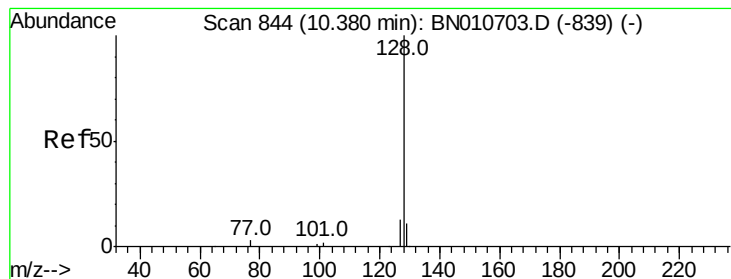


Abundance Ion 82.00 (81.70 to 82.70): BNC

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BNC





#9

Naphthalene

Concen: 0.434 ng

RT: 10.38 min Scan# 844

Delta R.T. 0.00 min

Lab File: BN010733.D

Acq: 21 May 2020 18:10

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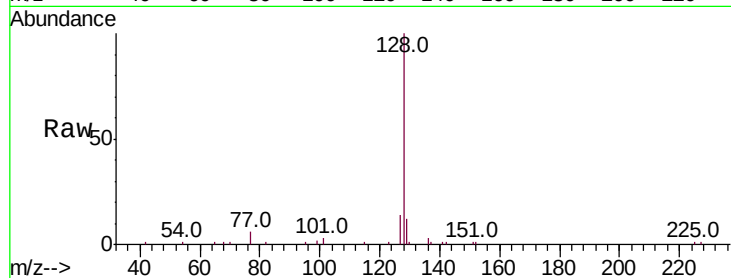
Tot Ion:128 Resp: 10537

Ion Ratio Lower Upper

128 100

129 11.8 9.3 13.9

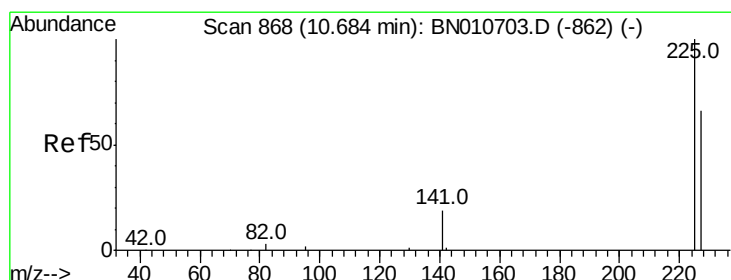
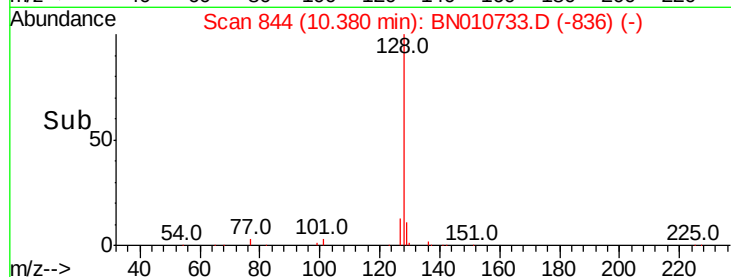
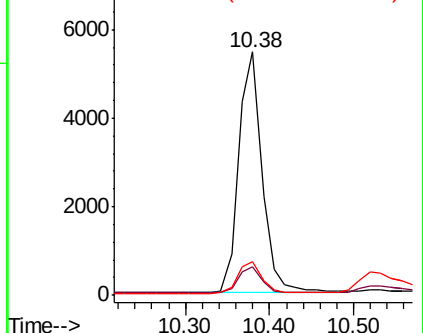
127 13.9 11.0 16.6



Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E



#10

Hexachlorobutadiene

Concen: 0.386 ng

RT: 10.67 min Scan# 867

Delta R.T. 0.00 min

Lab File: BN010733.D

Acq: 21 May 2020 18:10

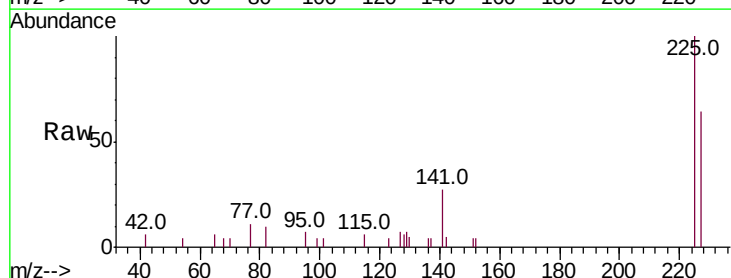
Tgt Ion:225 Resp: 2143

Ion Ratio Lower Upper

225 100

223 0.0 0.0 0.0

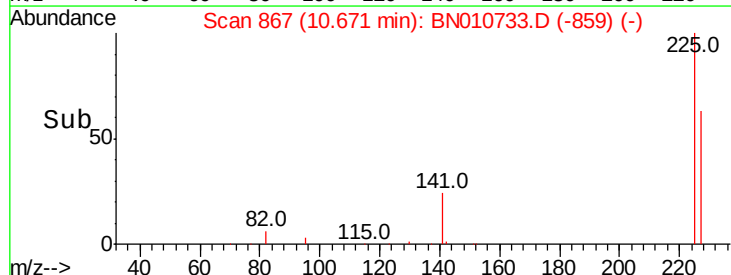
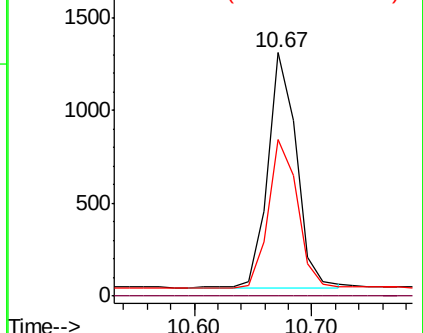
227 64.7 50.7 76.1

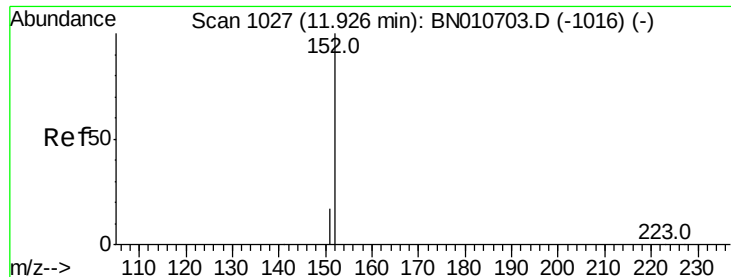


Abundance Ion 225.00 (224.70 to 225.70): E

Ion 223.00 (222.70 to 223.70): E

Ion 227.00 (226.70 to 227.70): E





#11

2-Methylnaphthalene-d10

Concen: 0.445 ng

RT: 11.93 min Scan# 1027

Delta R.T. 0.00 min

Lab File: BN010733.D

Acq: 21 May 2020 18:10

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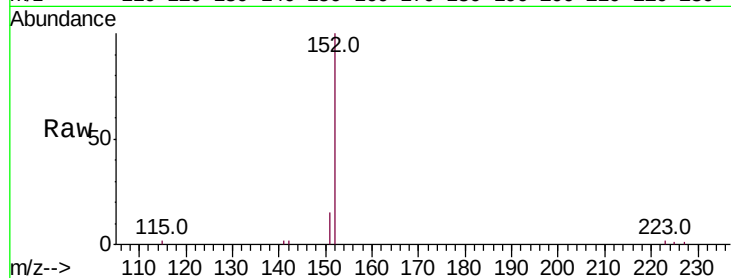
PB129048BSD

Tot Ion:152 Resp: 7004

Ion Ratio Lower Upper

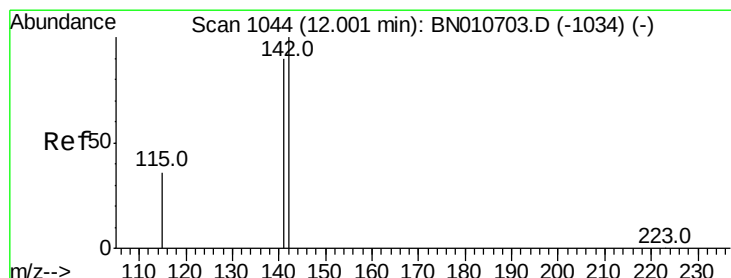
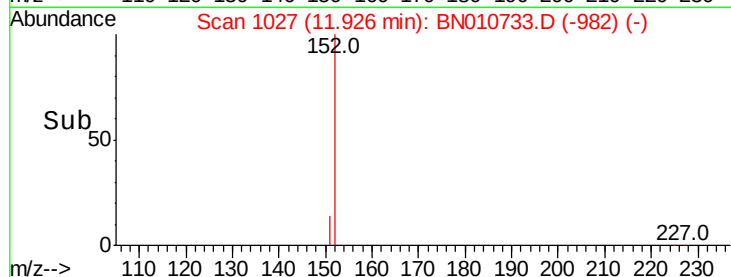
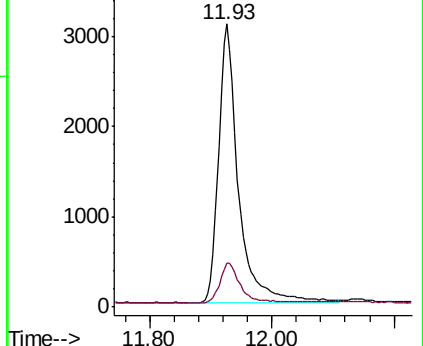
152 100

151 14.2 15.0 22.6#



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E



#12

2-Methylnaphthalene

Concen: 0.455 ng

RT: 12.00 min Scan# 1044

Delta R.T. 0.00 min

Lab File: BN010733.D

Acq: 21 May 2020 18:10

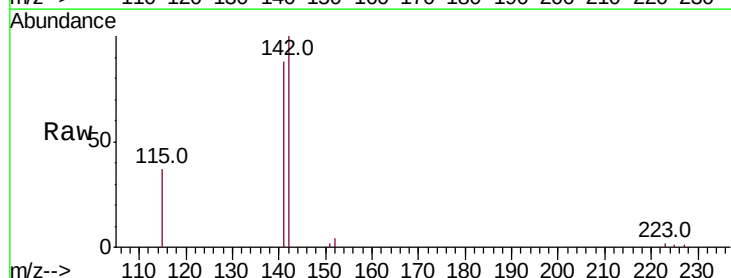
Tgt Ion:142 Resp: 7779

Ion Ratio Lower Upper

142 100

141 88.2 71.7 107.5

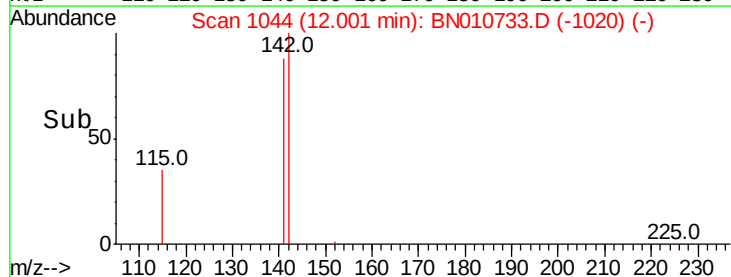
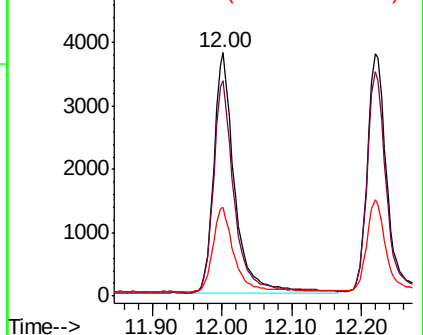
115 36.7 29.8 44.6

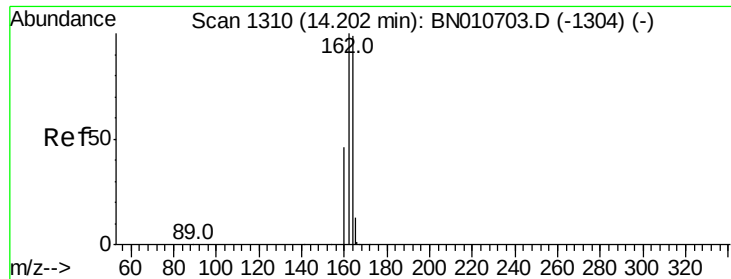


Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 115.00 (114.70 to 115.70): E





#13

Acenaphthene-d10

Concen: 0.400 ng

RT: 14.20 min Scan# 1309

Delta R.T. -0.00 min

Lab File: BN010733.D

Acq: 21 May 2020 18:10

Instrument :

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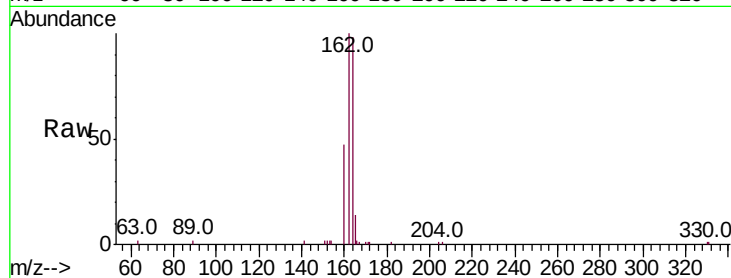
Tot Ion:164 Resp: 6295

Ion Ratio Lower Upper

164 100

162 102.3 81.1 121.7

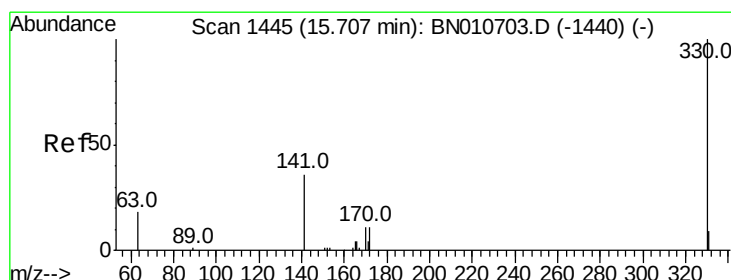
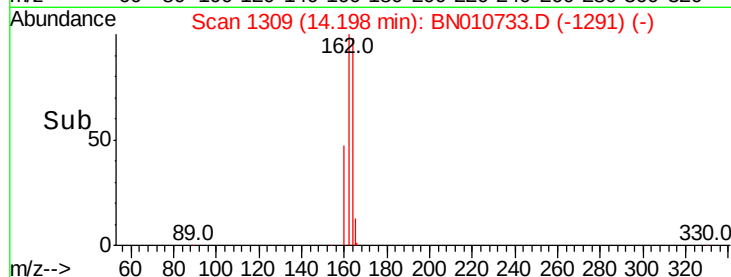
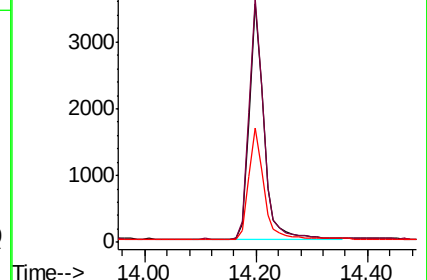
160 48.3 37.9 56.9



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: 0.251 ng

RT: 15.71 min Scan# 1445

Delta R.T. 0.01 min

Lab File: BN010733.D

Acq: 21 May 2020 18:10

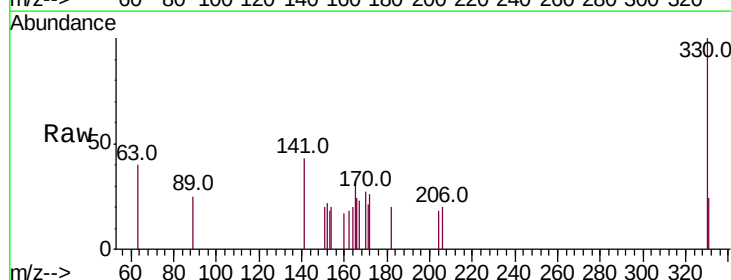
Tgt Ion:330 Resp: 574

Ion Ratio Lower Upper

330 100

332 0.0 0.0 0.0

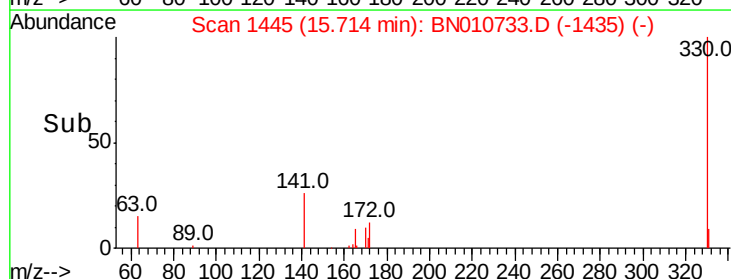
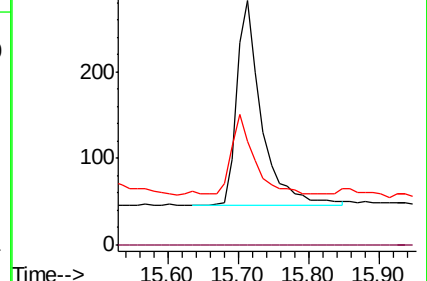
141 36.1 28.8 43.2

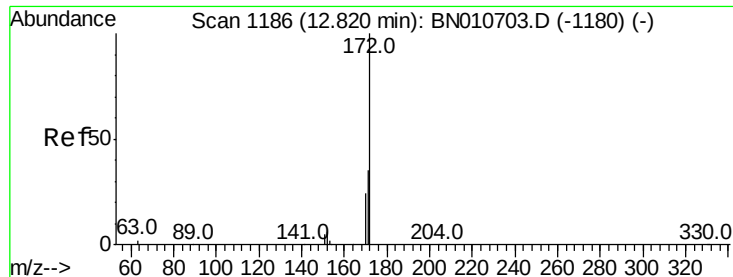


Abundance Ion 330.00 (329.70 to 330.70): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

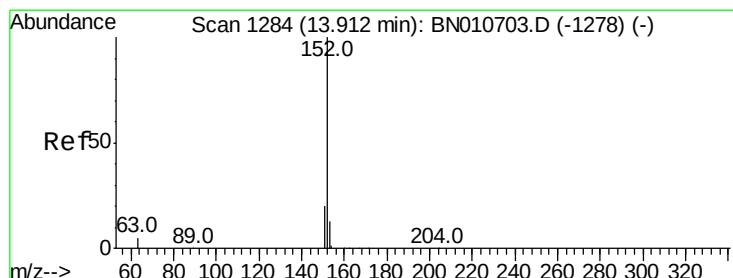
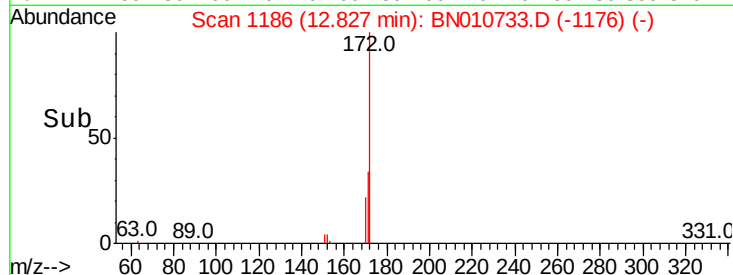
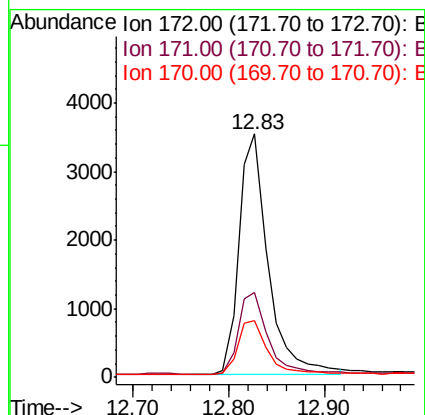
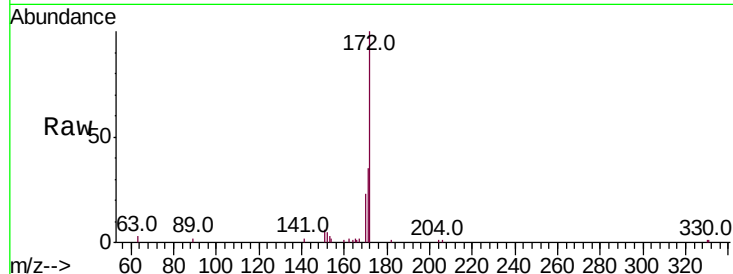




#15
 2-Fluorobiphenyl
 Concen: 0.321 ng
 RT: 12.83 min Scan# 1186
 Delta R.T. 0.01 min
 Lab File: BN010733.D
 Acq: 21 May 2020 18:10

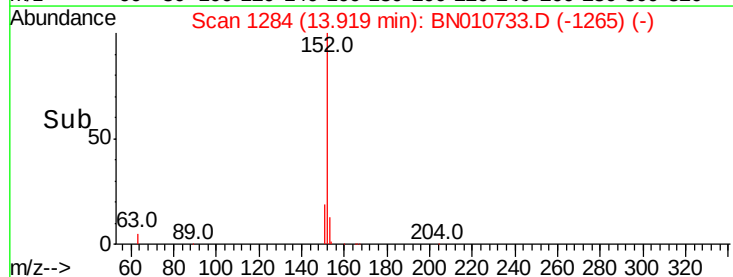
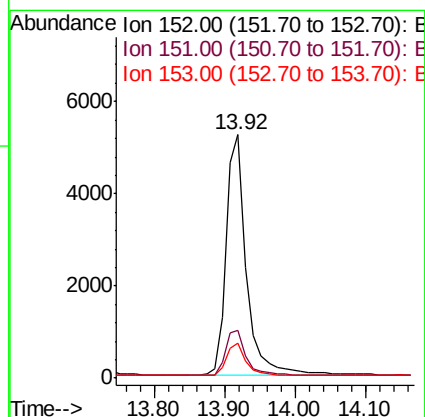
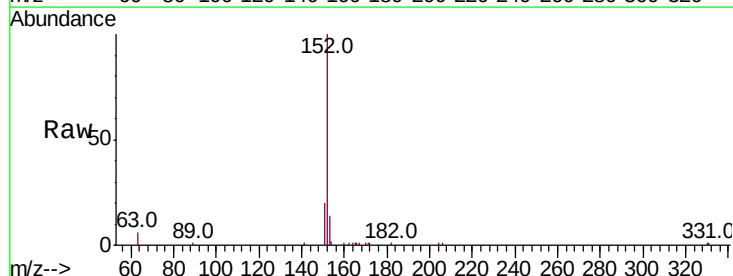
Instrument :
 BNA_N
 ClientSampleId :
 PB129048BSD

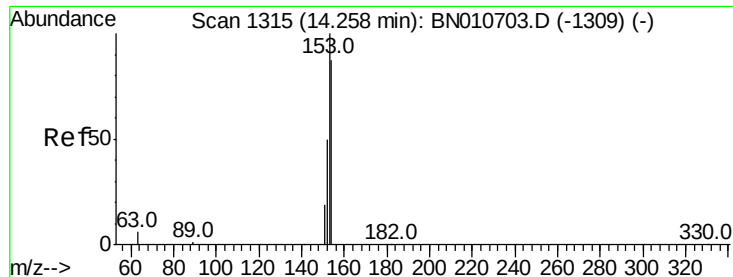
Tot Ion:172 Resp: 7415
 Ion Ratio Lower Upper
 172 100
 171 34.9 28.6 42.8
 170 23.4 19.8 29.8



#16
 Acenaphthylene
 Concen: 0.416 ng
 RT: 13.92 min Scan# 1284
 Delta R.T. 0.01 min
 Lab File: BN010733.D
 Acq: 21 May 2020 18:10

Tgt Ion:152 Resp: 10697
 Ion Ratio Lower Upper
 152 100
 151 19.6 15.6 23.4
 153 13.2 10.4 15.6





#17

Acenaphthene

Concen: 0.429 ng

RT: 14.26 min Scan# 1315

Delta R.T. 0.01 min

Lab File: BN010733.D

Acq: 21 May 2020 18:10

Instrument :

BNA_N

ClientSampleId :

PB129048BSD

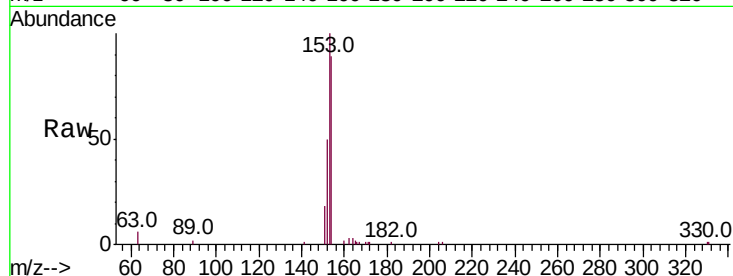
Tot Ion:154 Resp: 7445

Ion Ratio Lower Upper

154 100

153 114.6 91.5 137.3

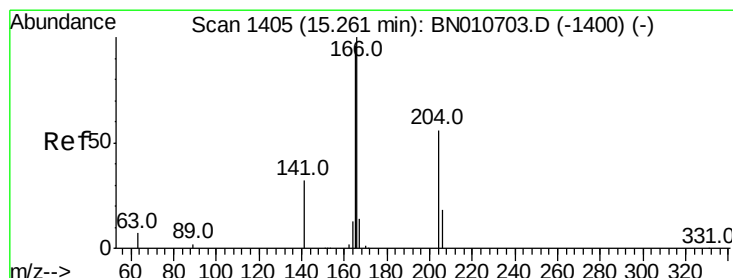
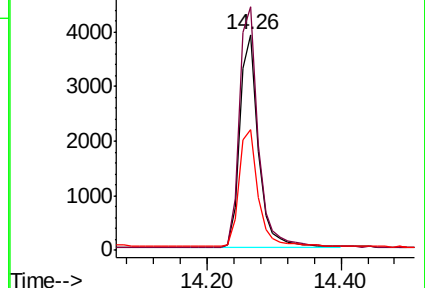
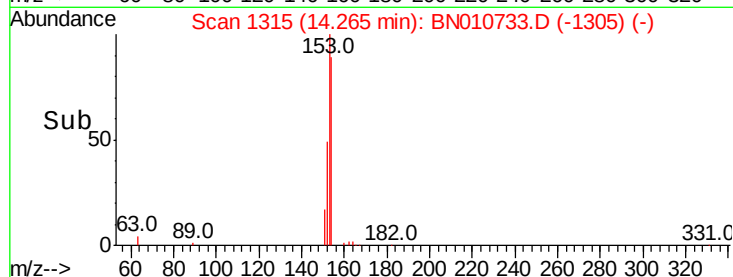
152 56.8 45.6 68.4



Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E



#18

Fluorene

Concen: 0.427 ng

RT: 15.26 min Scan# 1404

Delta R.T. -0.00 min

Lab File: BN010733.D

Acq: 21 May 2020 18:10

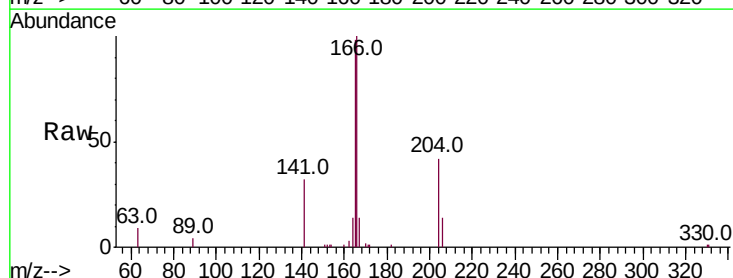
Tgt Ion:166 Resp: 9715

Ion Ratio Lower Upper

166 100

165 97.8 77.9 116.9

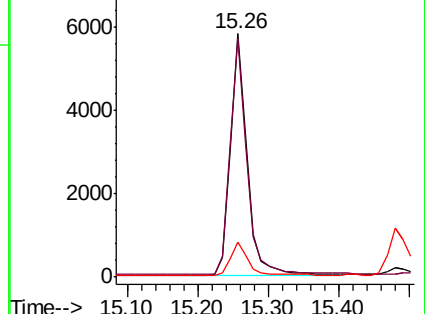
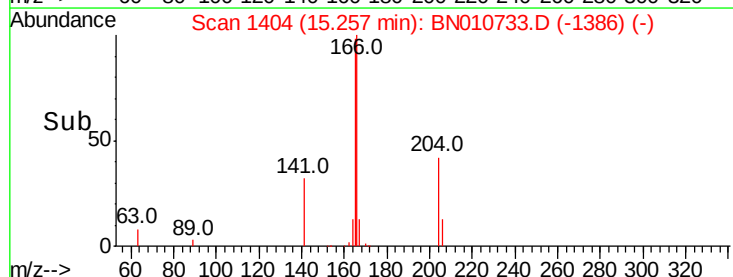
167 13.8 11.0 16.4

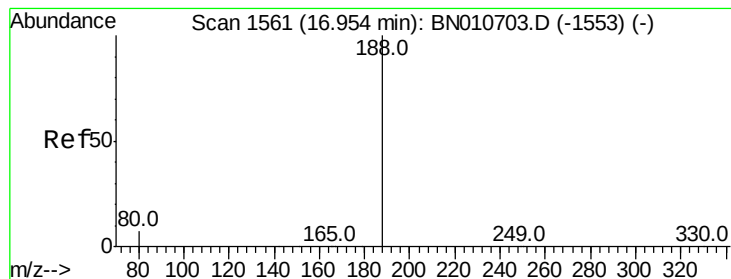


Abundance Ion 166.00 (165.70 to 166.70): E

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: 16.95 min Scan# 1560

Delta R.T. -0.00 min

Lab File: BN010733.D

Acq: 21 May 2020 18:10

Instrument :

BNA_N

ClientSampleId :

PB129048BSD

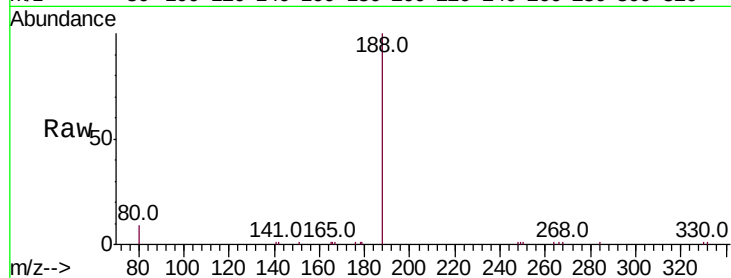
Tot Ion:188 Resp: 13441

Ion Ratio Lower Upper

188 100

94 0.0 0.0 0.0

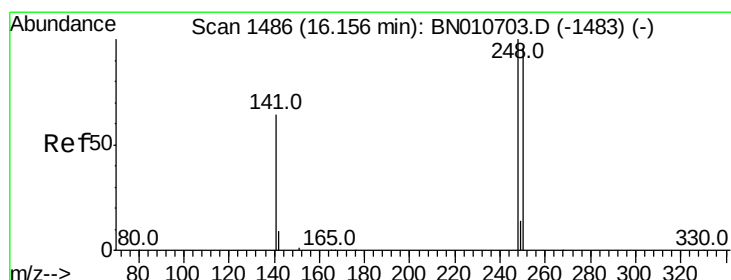
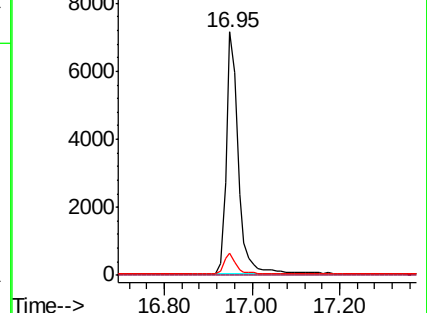
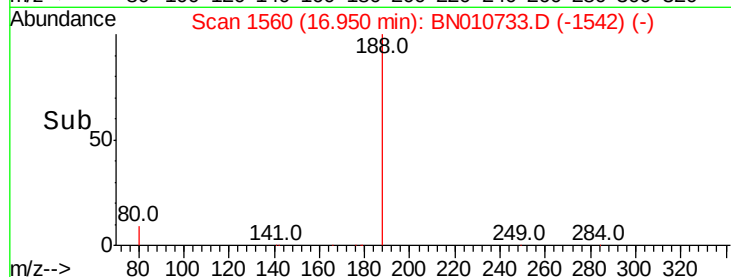
80 9.4 6.3 9.5



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



#20

4-Bromophenyl-phenylether

Concen: 0.389 ng

RT: 16.15 min Scan# 1485

Delta R.T. -0.00 min

Lab File: BN010733.D

Acq: 21 May 2020 18:10

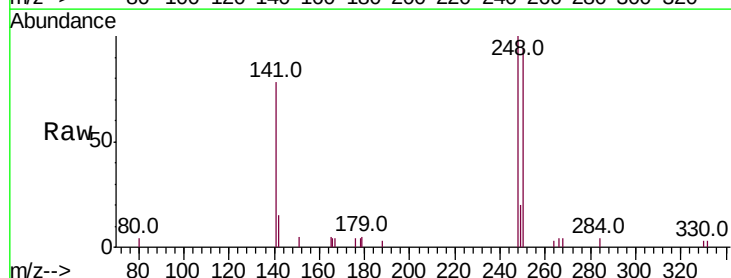
Tgt Ion:248 Resp: 2887

Ion Ratio Lower Upper

248 100

250 93.9 77.4 116.0

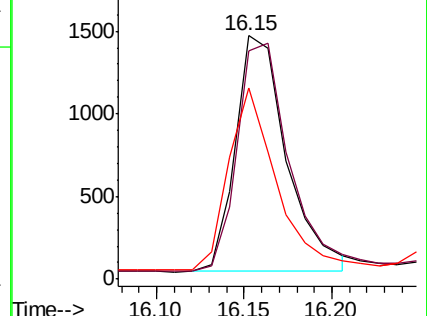
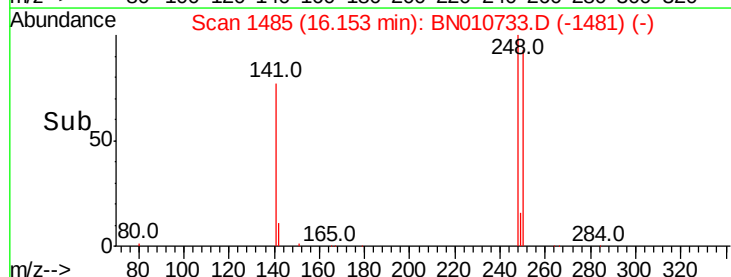
141 78.3 53.1 79.7

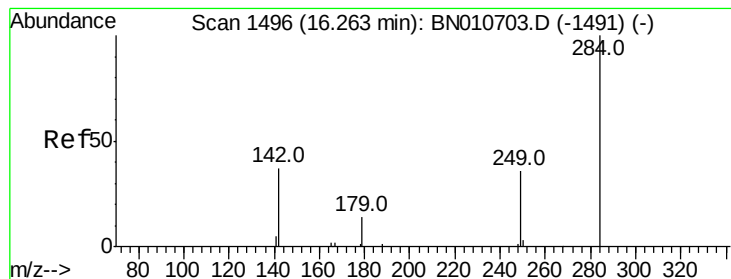


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E





#21

Hexachlorobenzene

Concen: 0.426 ng

RT: 16.27 min Scan# 1496

Delta R.T. 0.01 min

Lab File: BN010733.D

Acq: 21 May 2020 18:10

Instrument :

BNA_N

ClientSampleId :

PB129048BSD

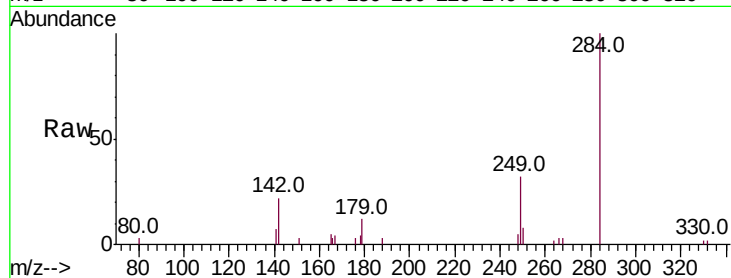
Tot Ion:284 Resp: 3763

Ion Ratio Lower Upper

284 100

142 35.2 28.2 42.2

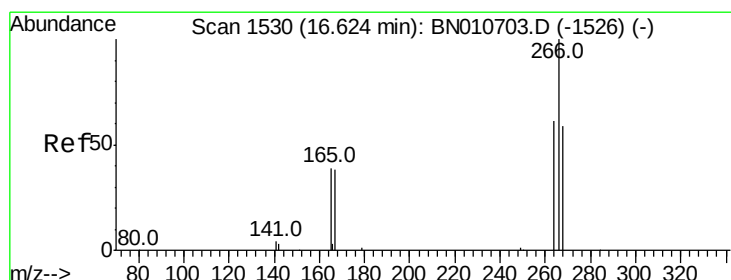
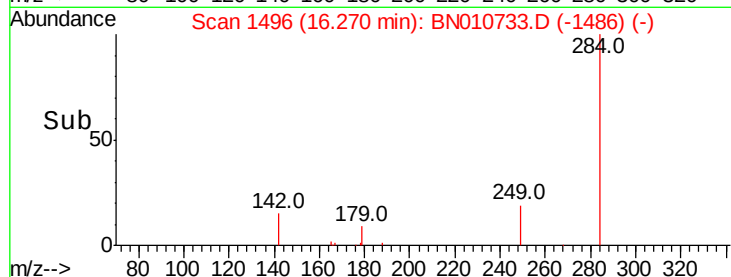
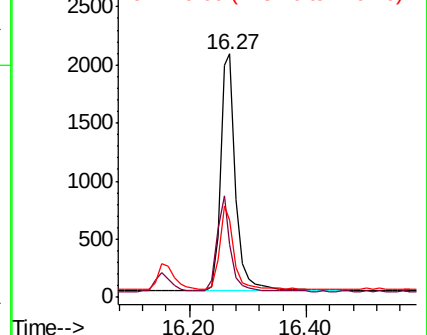
249 31.8 26.4 39.6



Abundance Ion 283.80 (283.50 to 284.50): E

Ion 142.00 (141.70 to 142.70): E

Ion 249.00 (248.70 to 249.70): E



#22

Pentachlorophenol

Concen: 0.843 ng

RT: 16.62 min Scan# 1529

Delta R.T. 0.01 min

Lab File: BN010733.D

Acq: 21 May 2020 18:10

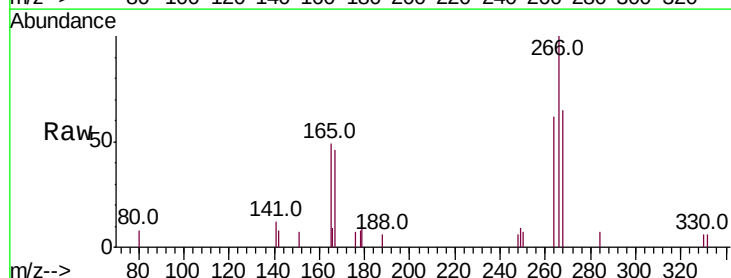
Tgt Ion:266 Resp: 2306

Ion Ratio Lower Upper

266 100

264 62.5 51.1 76.7

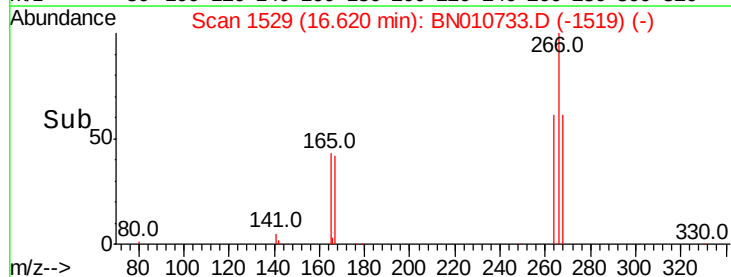
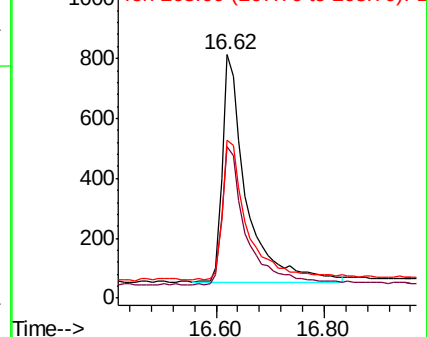
268 65.1 52.1 78.1

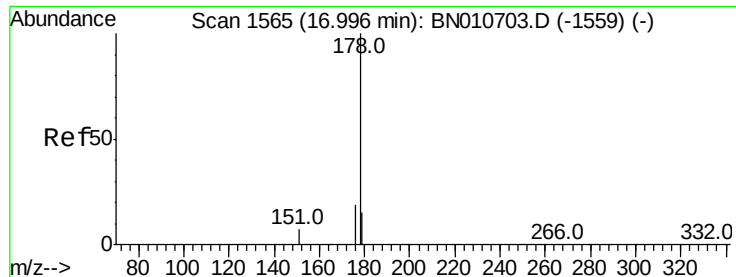


Abundance Ion 266.00 (265.70 to 266.70): E

Ion 264.00 (263.70 to 264.70): E

Ion 268.00 (267.70 to 268.70): E





#23

Phenanthrene

Concen: 0.416 ng

RT: 16.99 min Scan# 1564

Delta R.T. 0.01 min

Lab File: BN010733.D

Acq: 21 May 2020 18:10

Instrument :

BNA_N

ClientSampleId :

PB129048BSD

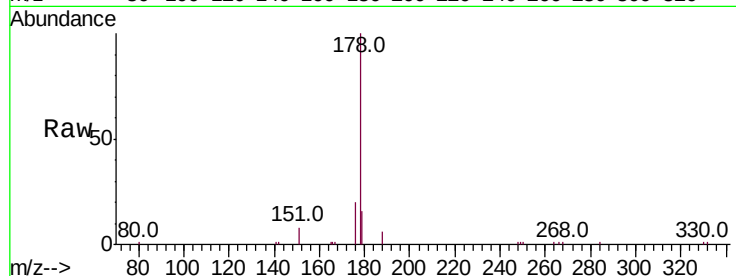
Tot Ion:178 Resp: 15003

Ion Ratio Lower Upper

178 100

176 19.0 14.9 22.3

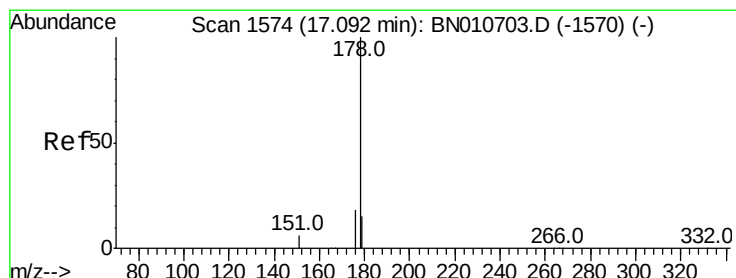
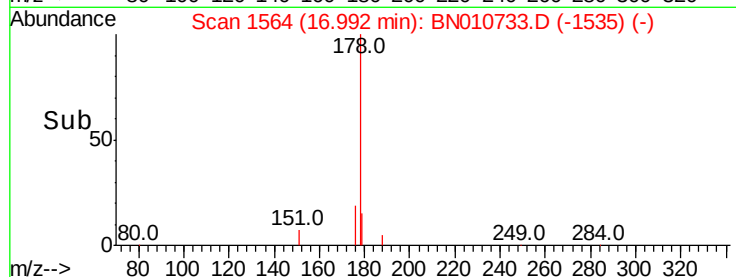
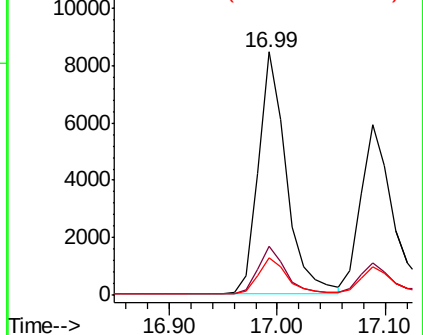
179 15.2 12.2 18.4



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: 0.396 ng

RT: 17.09 min Scan# 1573

Delta R.T. 0.01 min

Lab File: BN010733.D

Acq: 21 May 2020 18:10

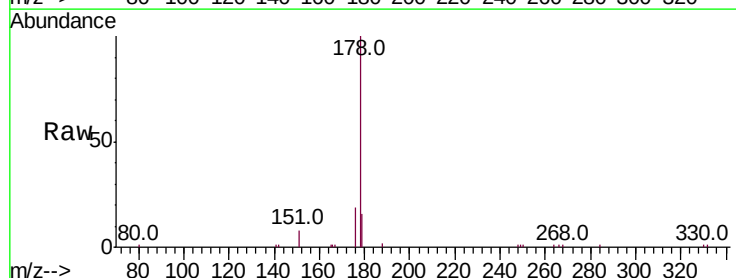
Tgt Ion:178 Resp: 11985

Ion Ratio Lower Upper

178 100

176 18.4 14.7 22.1

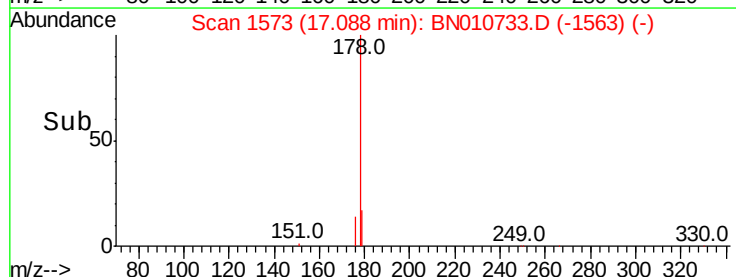
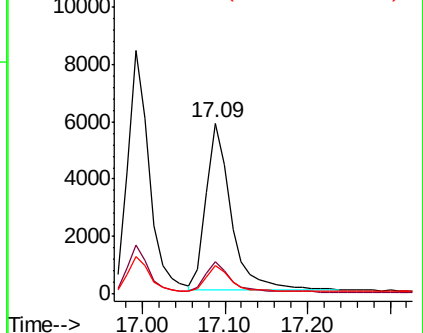
179 15.4 12.3 18.5

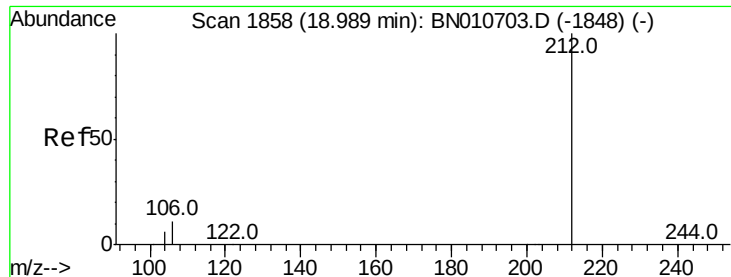


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#25

Fluoranthene-d10

Concen: 0.280 ng

RT: 19.00 min Scan# 1858

Delta R.T. 0.01 min

Lab File: BN010733.D

Acq: 21 May 2020 18:10

Instrument :

BNA_N

ClientSampleId :

PB129048BSD

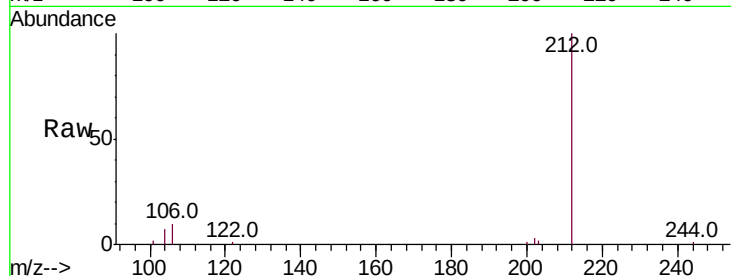
Tot Ion:212 Resp: 10213

Ion Ratio Lower Upper

212 100

106 9.9 8.2 12.2

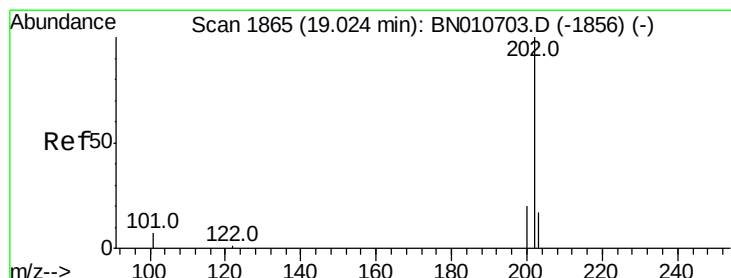
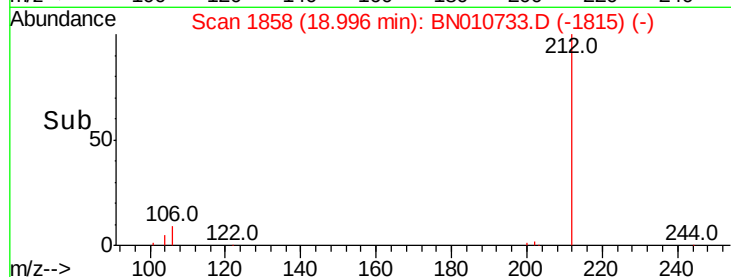
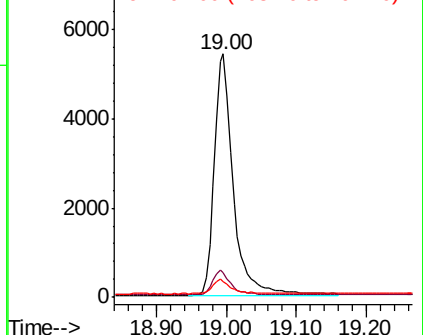
104 6.0 4.7 7.1



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: 0.389 ng

RT: 19.03 min Scan# 1864

Delta R.T. 0.01 min

Lab File: BN010733.D

Acq: 21 May 2020 18:10

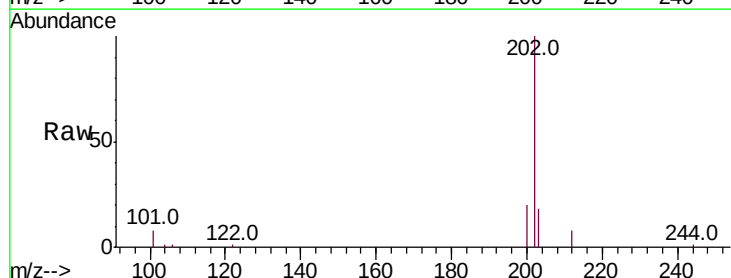
Tgt Ion:202 Resp: 15915

Ion Ratio Lower Upper

202 100

101 8.4 6.7 10.1

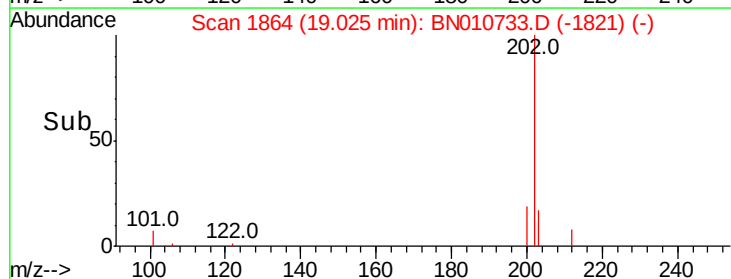
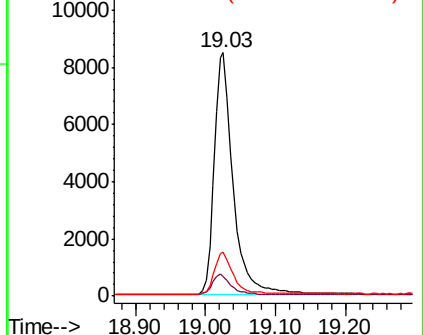
203 17.2 13.4 20.0

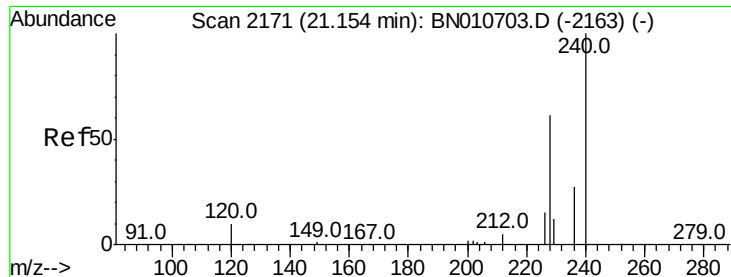


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E

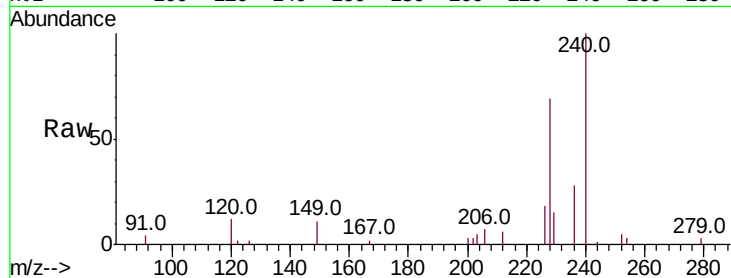




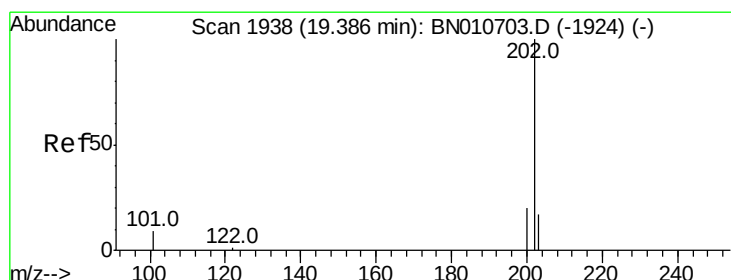
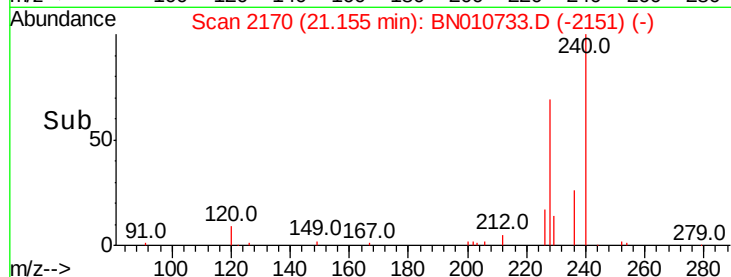
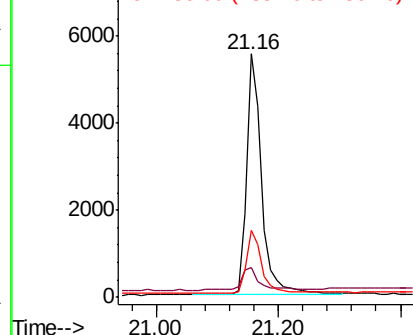
#27
Chrysene-d12
Concen: 0.400 ng
RT: 21.16 min Scan# 2170
Delta R.T. 0.00 min
Lab File: BN010733.D
Acq: 21 May 2020 18:10

Instrument :
BNA_N
ClientSampleId :
PB129048BSD

Tot Ion:240 Resp: 9641
Ion Ratio Lower Upper
240 100
120 12.1 9.5 14.3
236 27.7 22.5 33.7

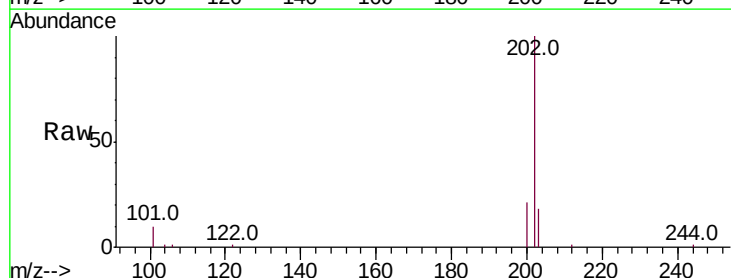


Abundance Ion 240.00 (239.70 to 240.70): E
Ion 120.00 (119.70 to 120.70): E
Ion 236.00 (235.70 to 236.70): E

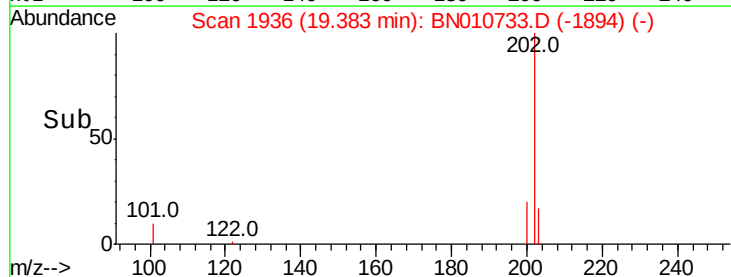
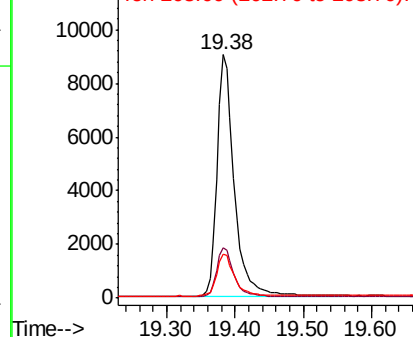


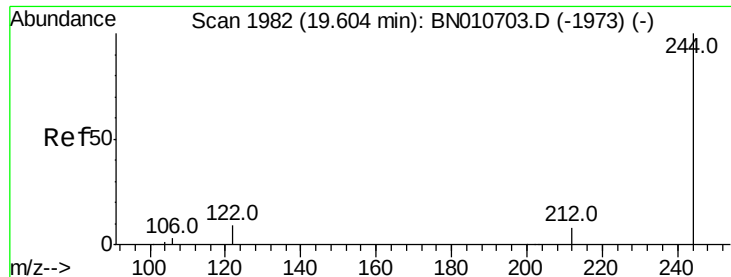
#28
Pyrene
Concen: 0.458 ng
RT: 19.38 min Scan# 1936
Delta R.T. 0.01 min
Lab File: BN010733.D
Acq: 21 May 2020 18:10

Tgt Ion:202 Resp: 15826
Ion Ratio Lower Upper
202 100
200 20.1 16.2 24.4
203 18.0 14.1 21.1



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: 0.326 ng

RT: 19.61 min Scan# 1981

Delta R.T. 0.01 min

Lab File: BN010733.D

Acq: 21 May 2020 18:10

Instrument :

BNA_N

ClientSampleId :

PB129048BSD

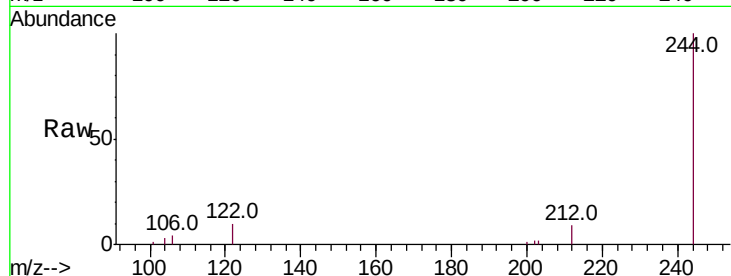
Tot Ion:244 Resp: 7463

Ion Ratio Lower Upper

244 100

212 9.1 6.8 10.2

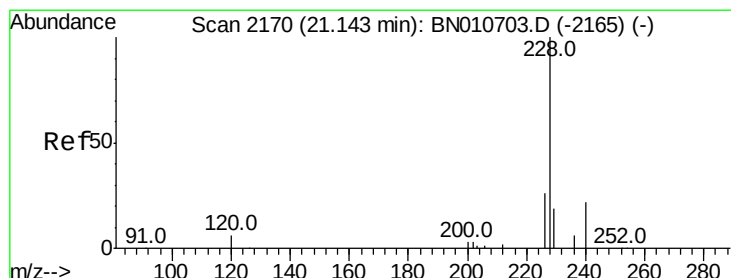
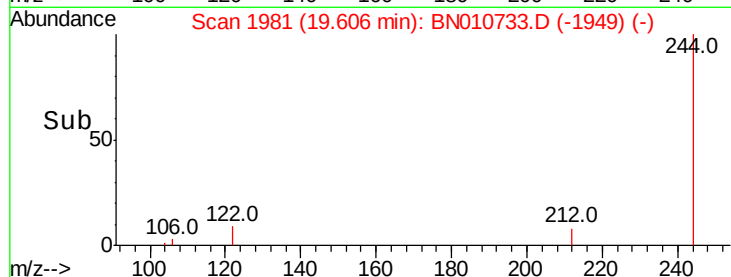
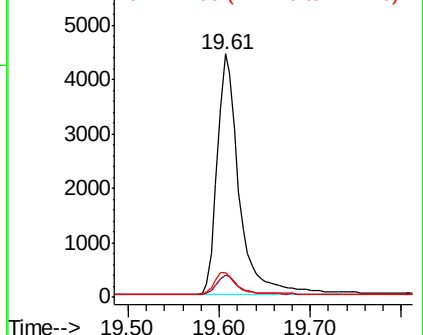
122 10.4 8.1 12.1



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



#30

Benzo(a)anthracene

Concen: 0.390 ng

RT: 21.14 min Scan# 2169

Delta R.T. 0.00 min

Lab File: BN010733.D

Acq: 21 May 2020 18:10

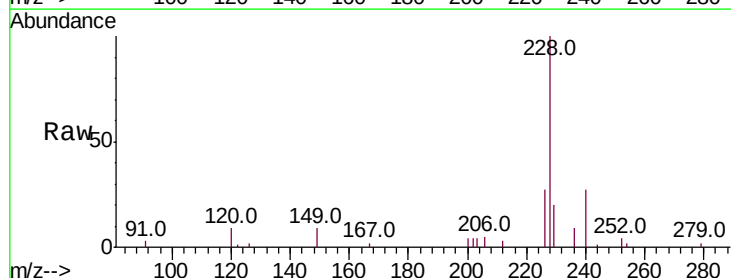
Tgt Ion:228 Resp: 10958

Ion Ratio Lower Upper

228 100

226 27.0 21.3 31.9

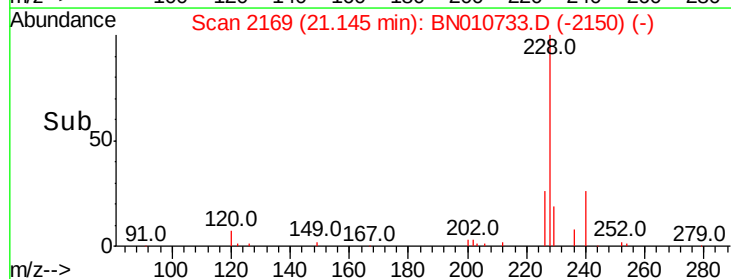
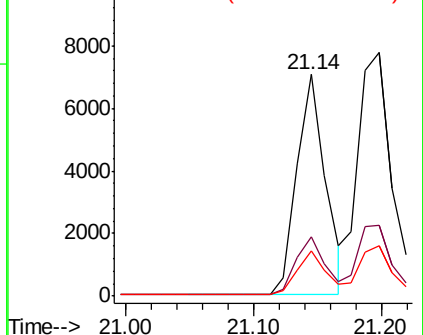
229 20.1 16.0 24.0

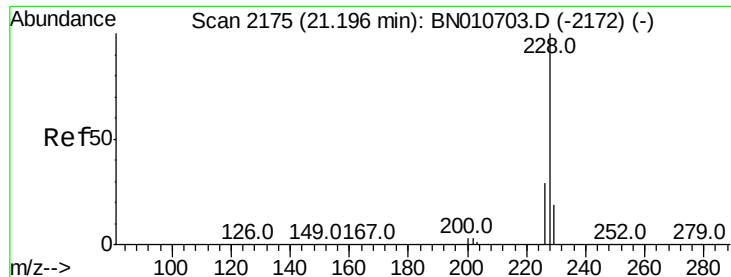


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#31

Chrysene

Concen: 0.451 ng

RT: 21.20 min Scan# 2174

Delta R.T. 0.01 min

Lab File: BN010733.D

Acq: 21 May 2020 18:10

Instrument :

BNA_N

ClientSampleId :

PB129048BSD

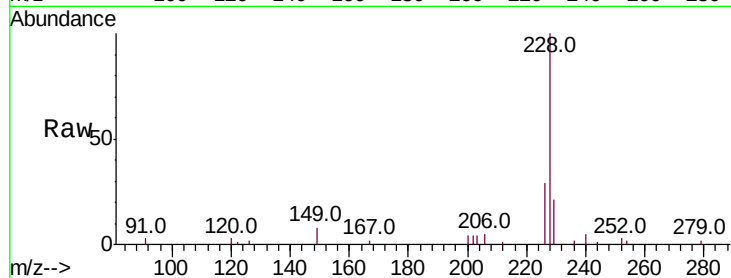
Tot Ion:228 Resp: 14366

Ion Ratio Lower Upper

228 100

226 29.0 23.4 35.0

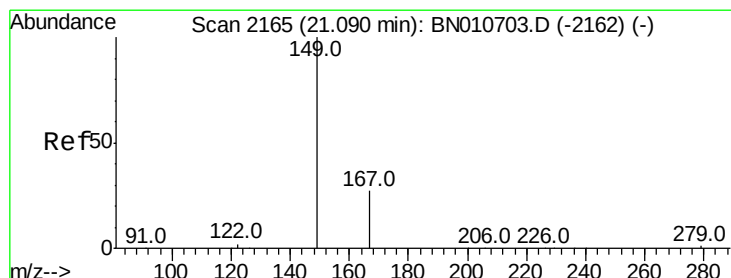
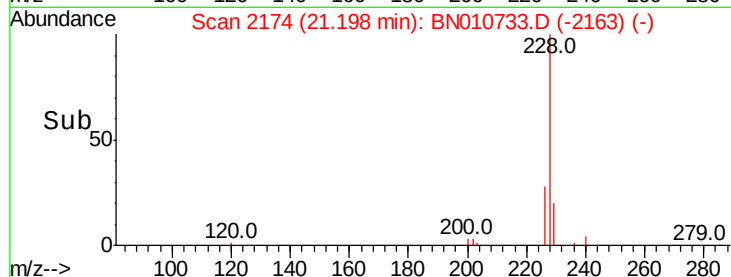
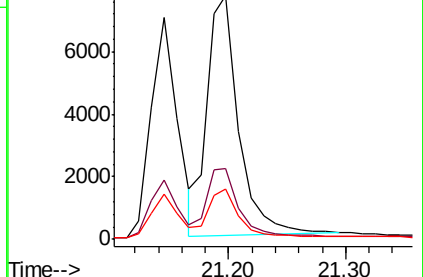
229 20.7 16.1 24.1



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: 0.376 ng

RT: 21.09 min Scan# 2164

Delta R.T. 0.00 min

Lab File: BN010733.D

Acq: 21 May 2020 18:10

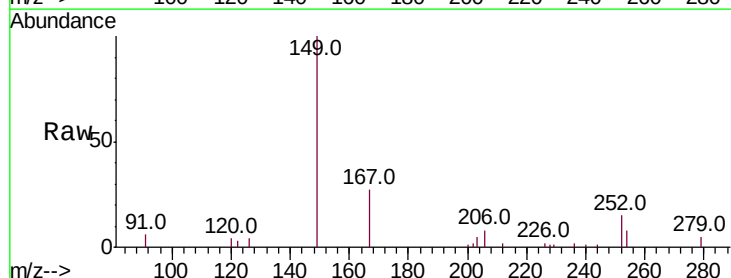
Tgt Ion:149 Resp: 4630

Ion Ratio Lower Upper

149 100

167 27.0 22.5 33.7

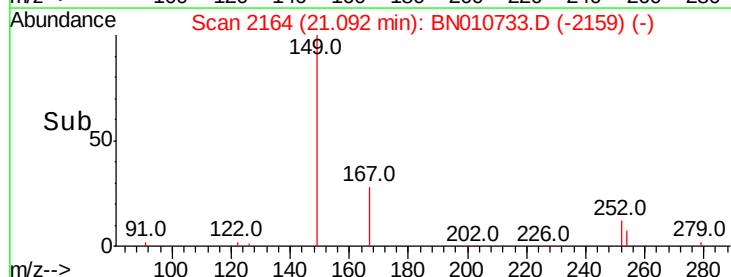
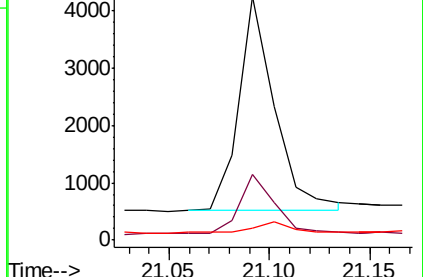
279 4.4 4.1 6.1

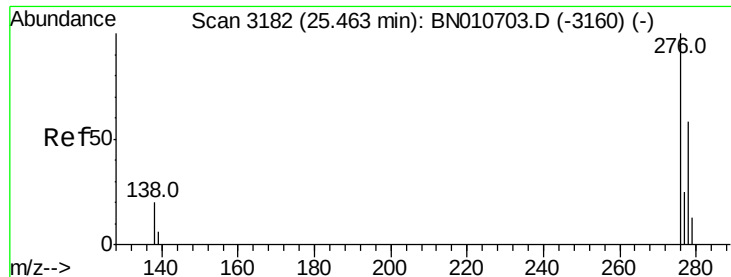


Abundance Ion 149.00 (148.70 to 149.70): E

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: 0.349 ng

RT: 25.47 min Scan# 3182

Delta R.T. 0.01 min

Lab File: BN010733.D

Acq: 21 May 2020 18:10

Instrument :

BNA_N

ClientSampleId :

PB129048BSD

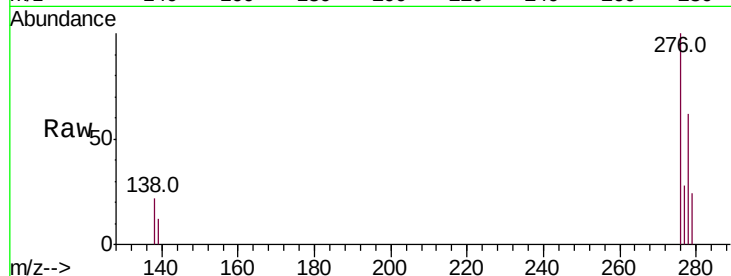
Tot Ion:276 Resp: 9881

Ion Ratio Lower Upper

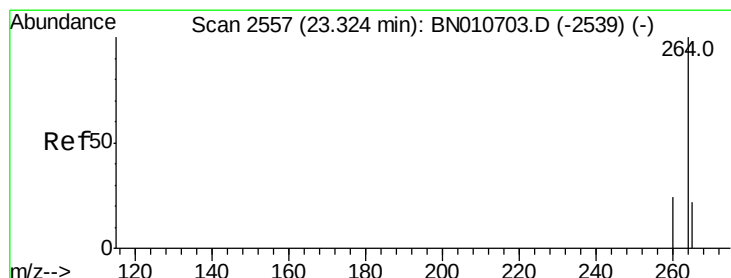
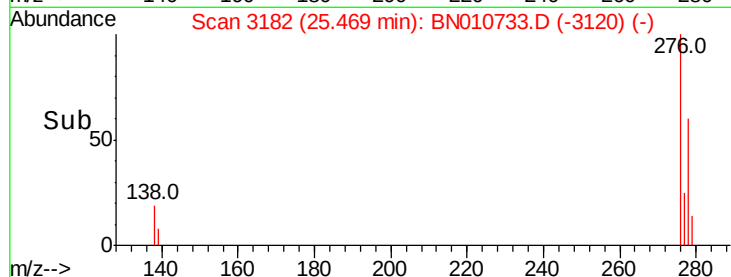
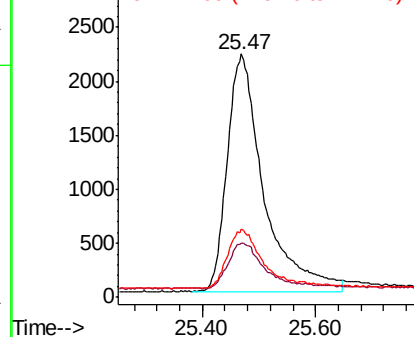
276 100

138 18.6 15.1 22.7

277 23.3 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

Perylene-d12

Concen: 0.400 ng

RT: 23.32 min Scan# 2555

Delta R.T. 0.01 min

Lab File: BN010733.D

Acq: 21 May 2020 18:10

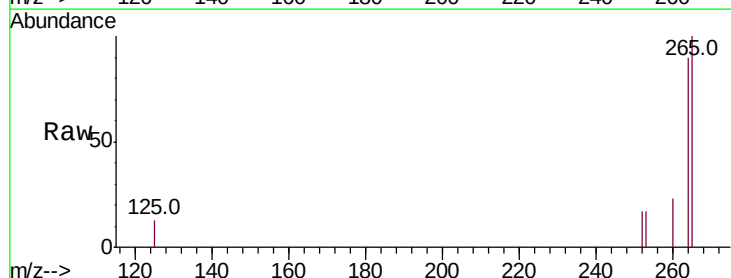
Tgt Ion:264 Resp: 8619

Ion Ratio Lower Upper

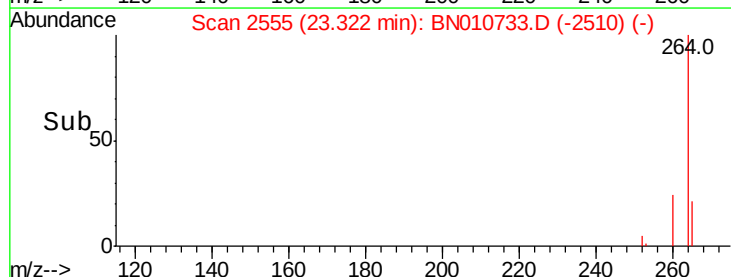
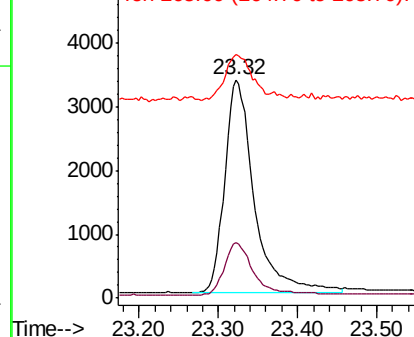
264 100

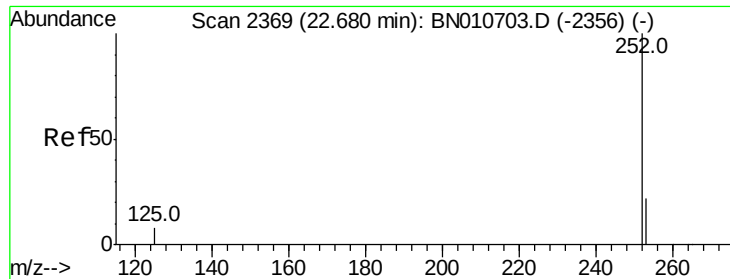
260 25.3 19.6 29.4

265 111.4 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





#35

Benzo(b)fluoranthene

Concen: 0.408 ng

RT: 22.68 min Scan# 2367

Delta R.T. 0.00 min

Lab File: BN010733.D

Acq: 21 May 2020 18:10

Instrument :

BNA_N

ClientSampleId :

PB129048BSD

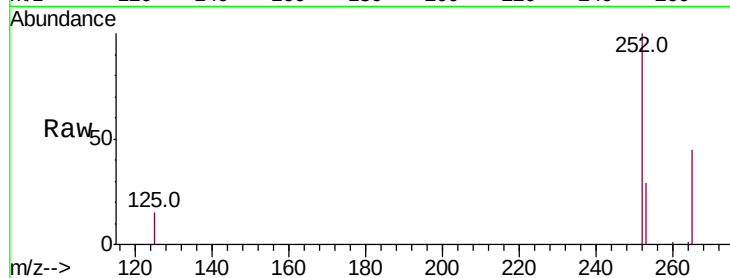
Tot Ion:252 Resp: 11637

Ion Ratio Lower Upper

252 100

253 28.7 22.0 33.0

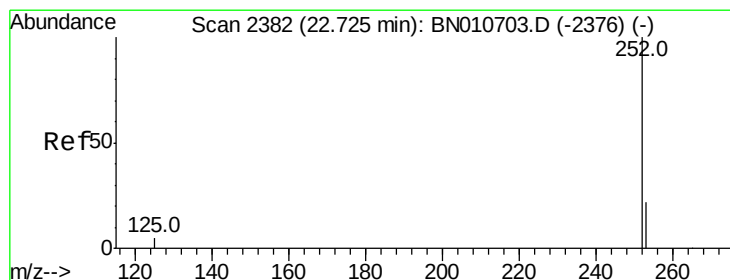
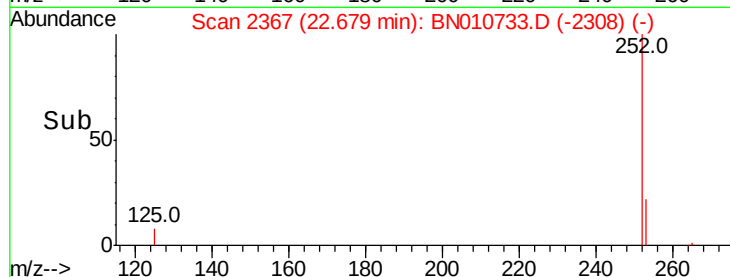
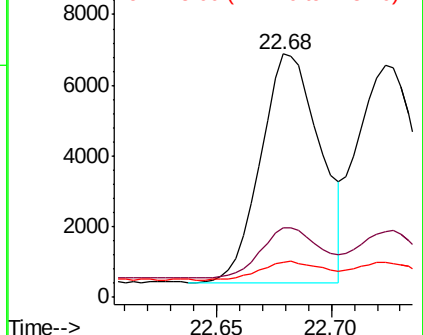
125 14.6 10.8 16.2



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



#36

Benzo(k)fluoranthene

Concen: 0.432 ng

RT: 22.72 min Scan# 2380

Delta R.T. 0.01 min

Lab File: BN010733.D

Acq: 21 May 2020 18:10

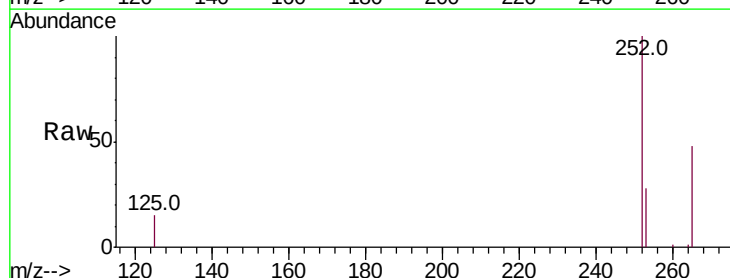
Tgt Ion:252 Resp: 13246

Ion Ratio Lower Upper

252 100

253 28.2 21.9 32.9

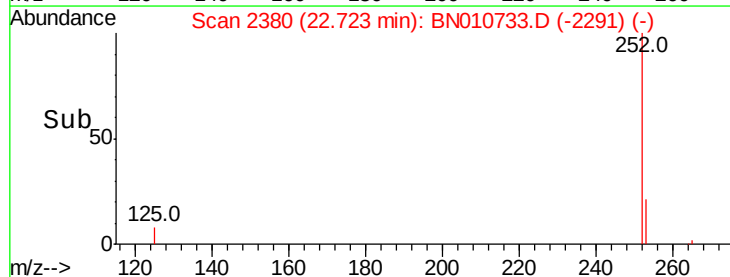
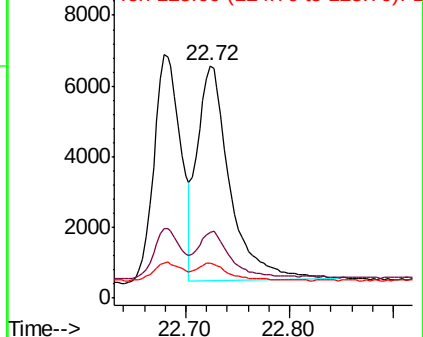
125 14.8 11.1 16.7

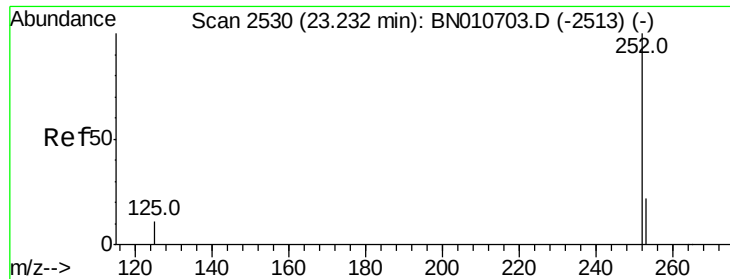


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#37

Benzo(a)pyrene

Concen: 0.409 ng

RT: 23.23 min Scan# 2528

Delta R.T. 0.01 min

Lab File: BN010733.D

Acq: 21 May 2020 18:10

Instrument :

BNA_N

ClientSampleId :

PB129048BSD

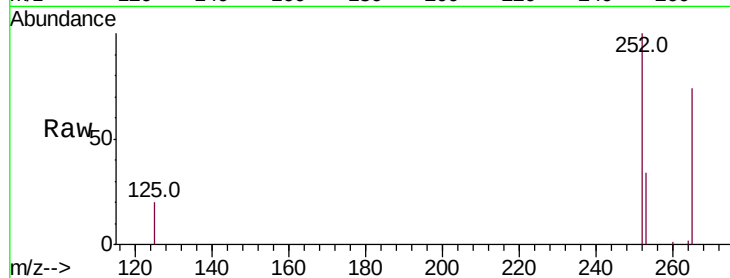
Tot Ion:252 Resp: 10075

Ion Ratio Lower Upper

252 100

253 33.6 24.8 37.2

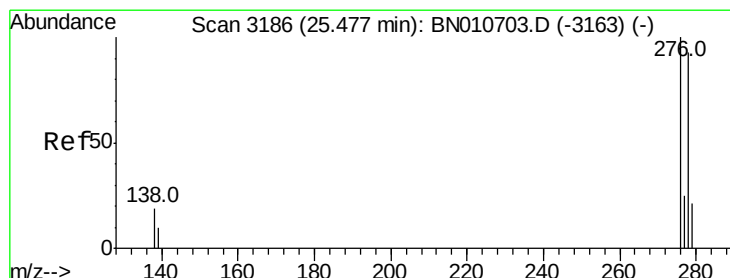
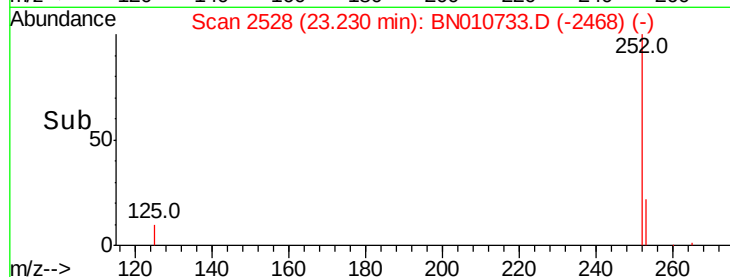
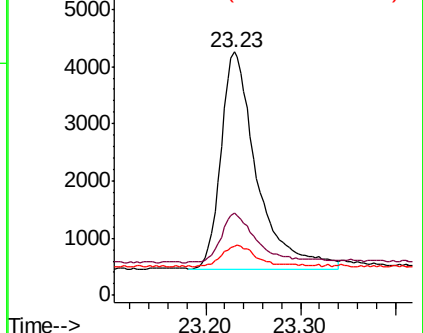
125 20.3 15.8 23.6



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



#38

Dibenzo(a,h)anthracene

Concen: 0.354 ng

RT: 25.49 min Scan# 3187

Delta R.T. 0.02 min

Lab File: BN010733.D

Acq: 21 May 2020 18:10

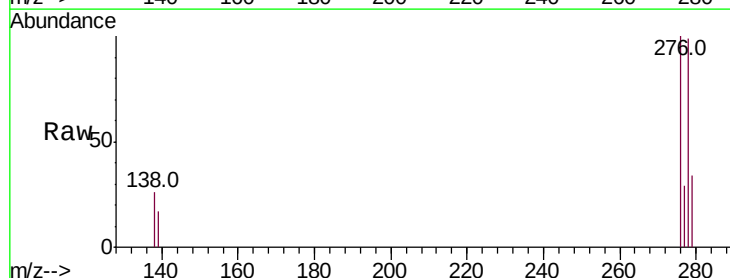
Tgt Ion:278 Resp: 7460

Ion Ratio Lower Upper

278 100

139 17.1 13.0 19.4

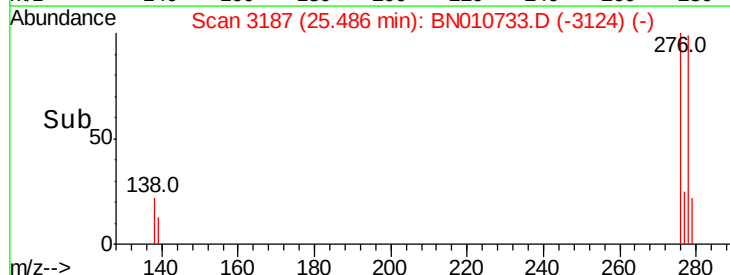
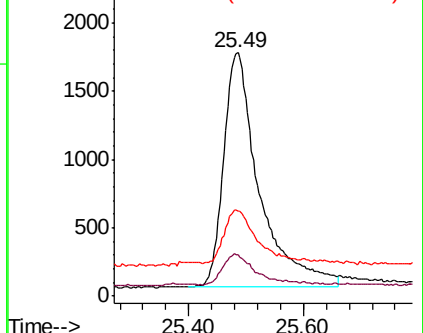
279 34.6 25.1 37.7

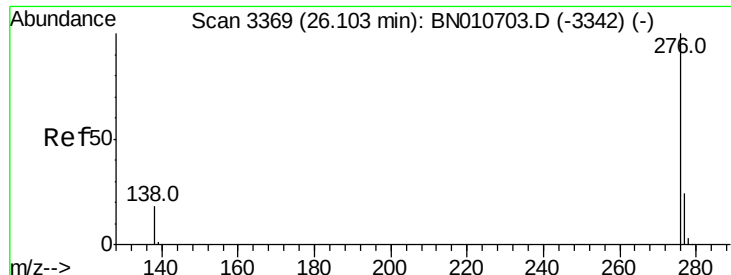


Abundance Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E





#39

Benzo(a,h,i)perylene

Concen: 0.400 ng

RT: 26.11 min Scan# 3368

Delta R.T. 0.01 min

Lab File: BN010733.D

Acq: 21 May 2020 18:10

Instrument :

BNA_N

ClientSampleId :

PB129048BSD

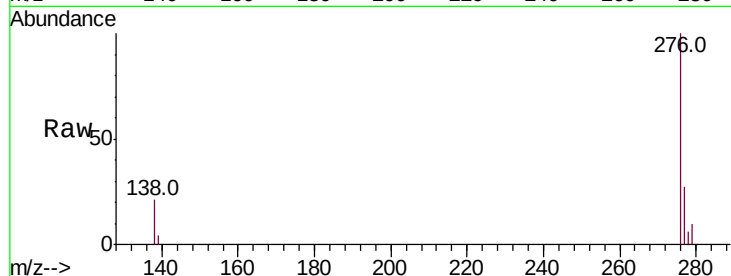
Tot Ion:276 Resp: 9873

Ion Ratio Lower Upper

276 100

277 27.0 20.6 30.8

138 21.4 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

