

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN061620\
 Data File : BN010912.D
 Acq On : 16 Jun 2020 18:17
 Operator : CG/JU
 Sample : PB129516BS
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 PB129516BS

Quant Time: Jun 16 18:46:43 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\8270-SIM-BN061020.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Jun 16 08:49:35 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.54	152	2415	0.40	ng	0.00
7) Naphthalene-d8	10.29	136	8516	0.40	ng	-0.01
13) Acenaphthene-d10	14.17	164	4726	0.40	ng	0.00
19) Phenanthrene-d10	16.92	188	9846	0.40	ng	0.00
27) Chrysene-d12	21.12	240	8911	0.40	ng	-0.01
34) Perylene-d12	23.27	264	9265	0.40	ng	0.00

System Monitoring Compounds						
4) 2-Fluorophenol	5.19	112	2285	0.49	ng	0.00
5) Phenol-d6	6.74	99	2917	0.53	ng	0.00
8) Nitrobenzene-d5	8.68	82	2642	0.42	ng	0.00
11) 2-Methylnaphthalene-d10	11.89	152	5569	0.42	ng	0.00
14) 2,4,6-Tribromophenol	15.67	330	687	0.41	ng	0.00
15) 2-Fluorobiphenyl	12.79	172	7930	0.43	ng	0.00
25) Fluoranthene-d10	18.95	212	12180	0.45	ng	0.00
29) Terphenyl-d14	19.57	244	8723	0.42	ng	0.00

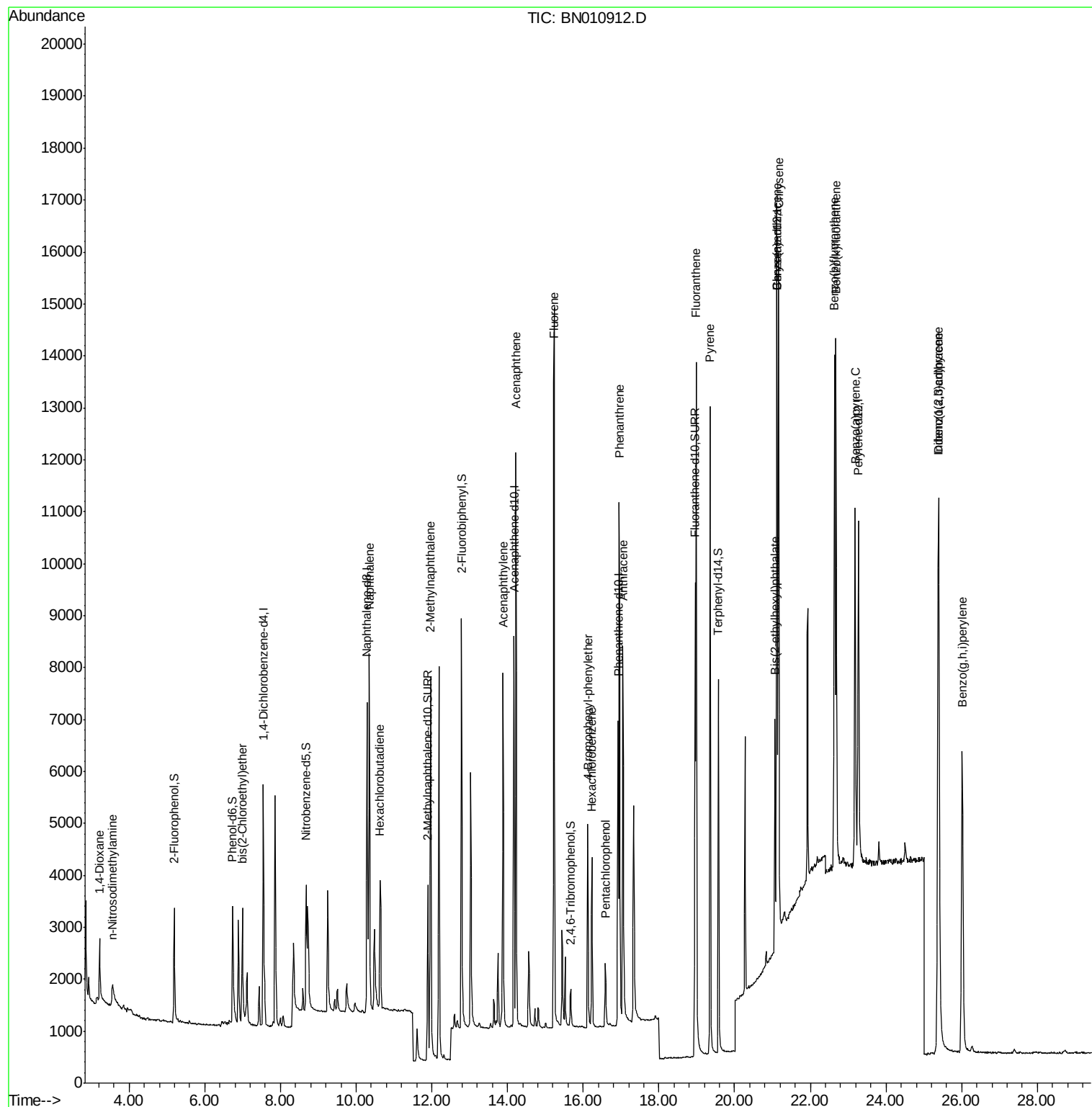
Target Compounds				Qvalue		
2) 1,4-Dioxane	3.22	88	1155	0.488	ng	96
3) n-Nitrosodimethylamine	3.56	42	493	0.359	ng	# 86
6) bis(2-Chloroethyl)ether	6.99	93	2550	0.476	ng	94
9) Naphthalene	10.34	128	9269	0.433	ng	99
10) Hexachlorobutadiene	10.63	225	2126	0.402	ng	# 99
12) 2-Methylnaphthalene	11.97	142	6169	0.431	ng	99
16) Acenaphthylene	13.88	152	8076	0.417	ng	100
17) Acenaphthene	14.22	154	5470	0.414	ng	98
18) Fluorene	15.22	166	6965	0.409	ng	98
20) 4-Bromophenyl-phenylether	16.12	248	2268	0.383	ng	98
21) Hexachlorobenzene	16.23	284	2554	0.414	ng	96
22) Pentachlorophenol	16.58	266	791	0.382	ng	95
23) Phenanthrene	16.95	178	11337	0.422	ng	99
24) Anthracene	17.05	178	9145	0.407	ng	99
26) Fluoranthene	18.99	202	13885	0.455	ng	99
28) Pyrene	19.35	202	12593	0.427	ng	99
30) Benzo(a)anthracene	21.11	228	10772	0.411	ng	99
31) Chrysene	21.16	228	13042	0.427	ng	97
32) Bis(2-ethylhexyl)phthalate	21.07	149	3988	0.457	ng	97
33) Indeno(1,2,3-cd)pyrene	25.38	276	14566	0.427	ng	# 95
35) Benzo(b)fluoranthene	22.64	252	12134	0.385	ng	98
36) Benzo(k)fluoranthene	22.68	252	13708	0.408	ng	99
37) Benzo(a)pyrene	23.18	252	11121	0.412	ng	96
38) Dibenzo(a,h)anthracene	25.39	278	11869	0.385	ng	96
39) Benzo(g,h,i)perylene	26.01	276	12349	0.383	ng	98

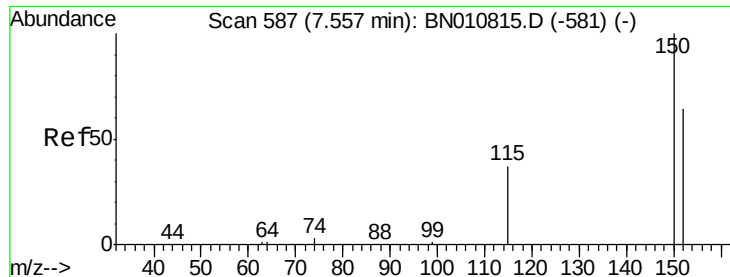
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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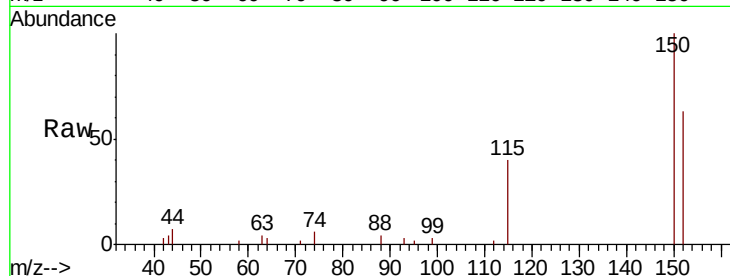


#1

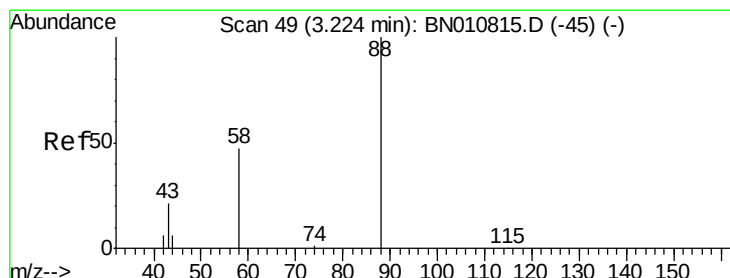
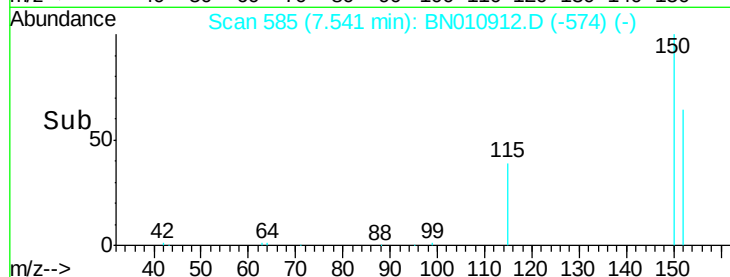
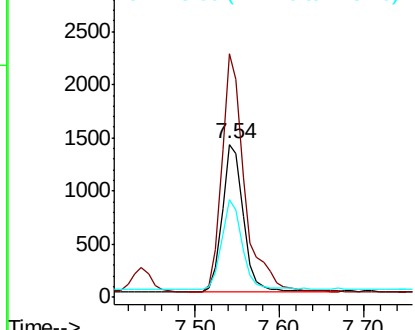
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.54 min Scan# 585
Delta R.T. -0.01 min
Lab File: BN010912.D
Acq: 16 Jun 2020 18:17

Instrument :
BNA_N
ClientSampleId :
PB129516BS

Tot Ion:152 Resp: 2415
Ion Ratio Lower Upper
152 100
150 159.1 123.8 185.6
115 64.2 49.2 73.8



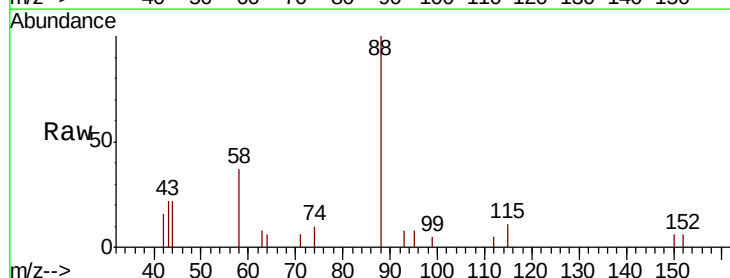
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



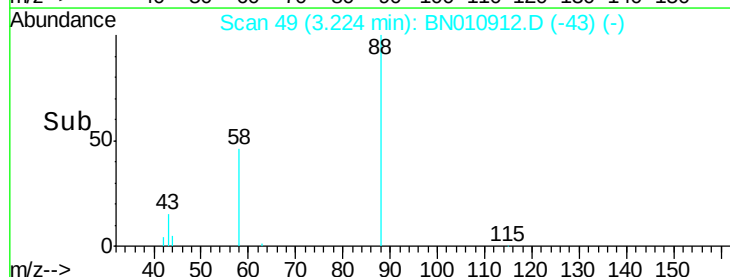
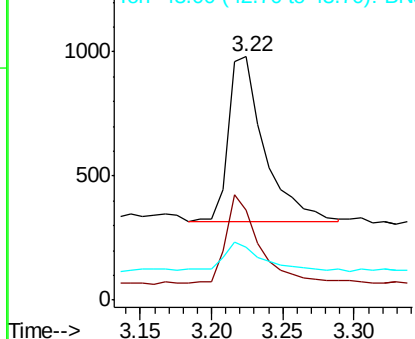
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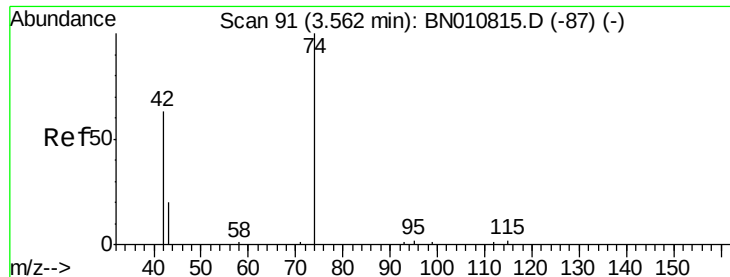
1,4-Dioxane
Concen: 0.488 ng
RT: 3.22 min Scan# 49
Delta R.T. 0.00 min
Lab File: BN010912.D
Acq: 16 Jun 2020 18:17

Tgt Ion: 88 Resp: 1155
Ion Ratio Lower Upper
88 100
58 50.0 38.2 57.4
43 16.0 15.1 22.7



Abundance Ion 88.00 (87.70 to 88.70): BN0
Ion 58.00 (57.70 to 58.70): BN0
Ion 43.00 (42.70 to 43.70): BN0



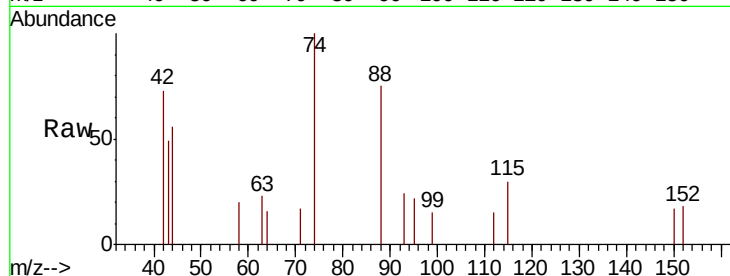


#3

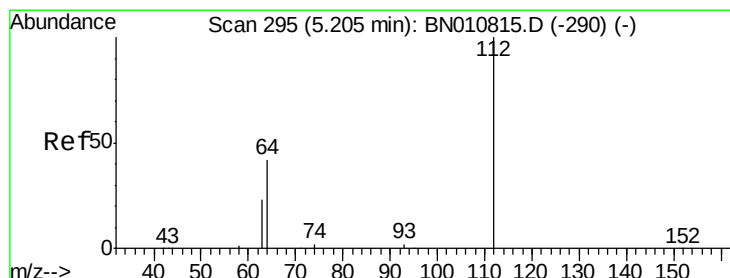
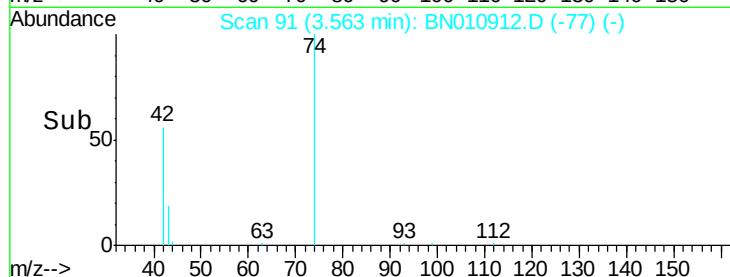
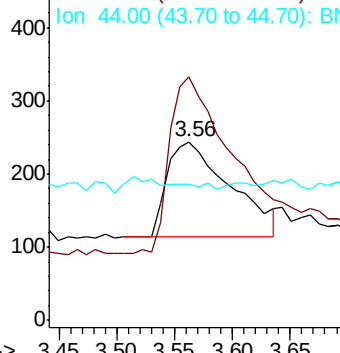
n-Nitrosodimethylamine
 Concen: 0.359 ng
 RT: 3.56 min Scan# 91
 Delta R.T. 0.02 min
 Lab File: BN010912.D
 Acq: 16 Jun 2020 18:17

Instrument :
 BNA_N
 ClientSampleId :
 PB129516BS

Tot Ion: 42 Resp: 493
 Ion Ratio Lower Upper
 42 100
 74 194.9 140.7 211.1
 44 0.0 1.4 2.2#



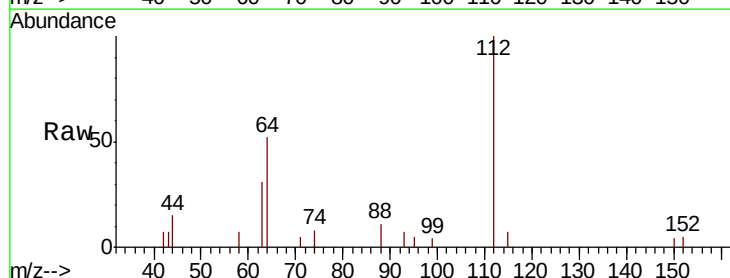
Abundance Ion 42.00 (41.70 to 42.70): BN0
 Ion 74.00 (73.70 to 74.70): BN0
 Ion 44.00 (43.70 to 44.70): BN0



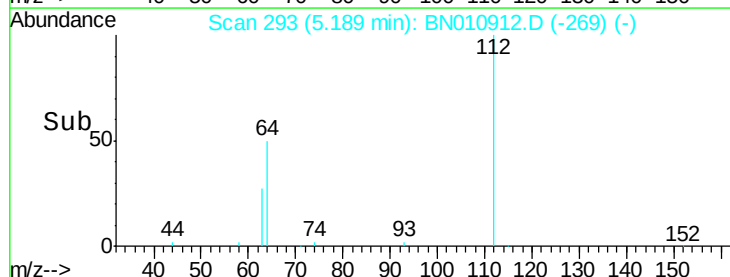
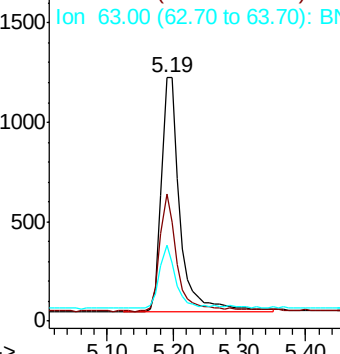
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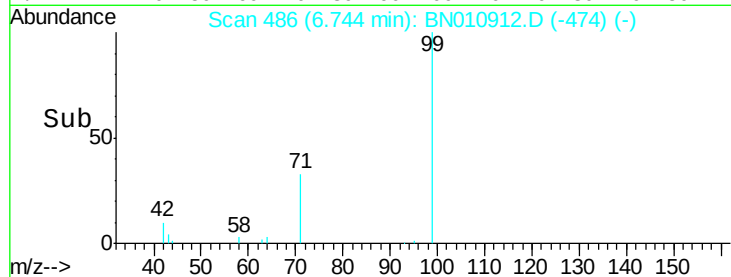
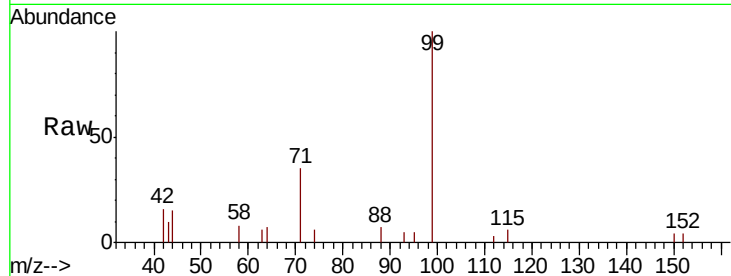
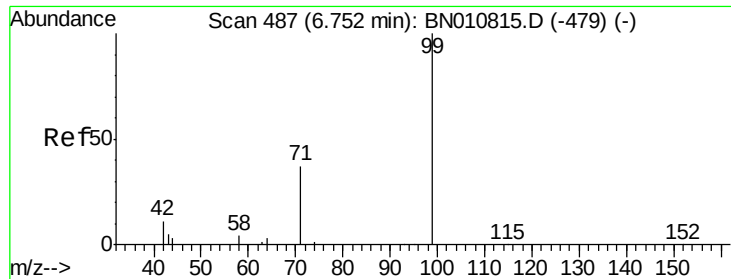
2-Fluorophenol
 Concen: 0.490 ng
 RT: 5.19 min Scan# 293
 Delta R.T. -0.01 min
 Lab File: BN010912.D
 Acq: 16 Jun 2020 18:17

Tgt Ion: 112 Resp: 2285
 Ion Ratio Lower Upper
 112 100
 64 46.8 37.4 56.0
 63 23.2 22.2 33.4



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: 0.531 ng

RT: 6.74 min Scan# 486

Delta R.T. 0.00 min

Lab File: BN010912.D

Acq: 16 Jun 2020 18:17

Instrument :

BNA_N

ClientSampleId :

PB129516BS

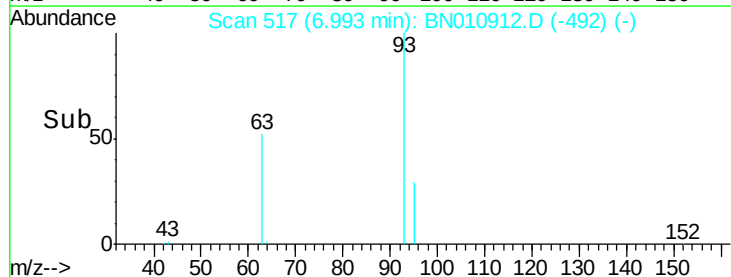
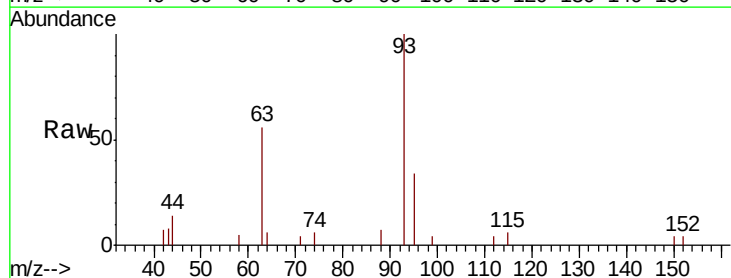
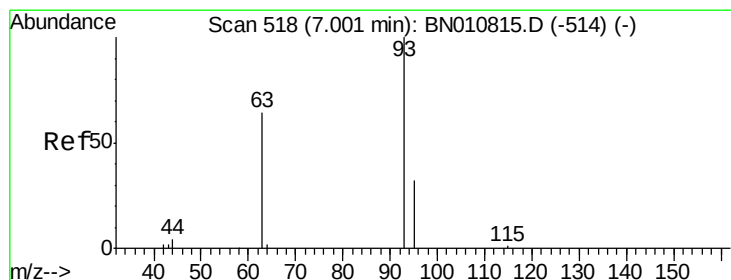
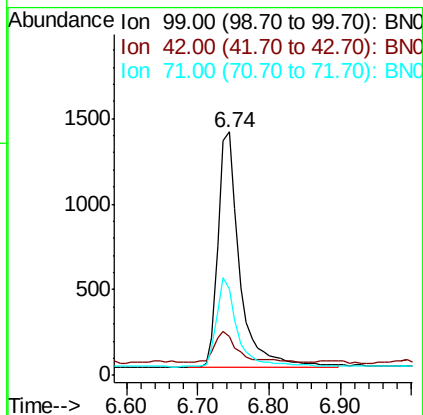
Tot Ion: 99 Resp: 2917

Ion Ratio Lower Upper

99 100

42 12.8 11.1 16.7

71 36.9 31.4 47.2



#6

bis(2-Chloroethyl)ether

Concen: 0.476 ng

RT: 6.99 min Scan# 517

Delta R.T. 0.00 min

Lab File: BN010912.D

Acq: 16 Jun 2020 18:17

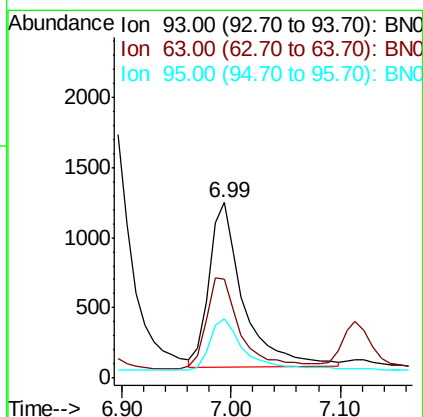
Tgt Ion: 93 Resp: 2550

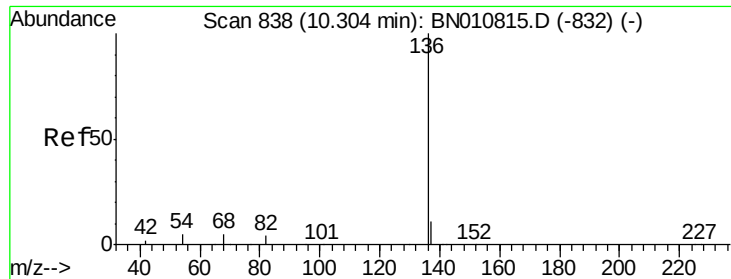
Ion Ratio Lower Upper

93 100

63 55.3 49.4 74.2

95 33.5 26.7 40.1





#7

Naphthalene-d8

Concen: 0.400 ng

RT: 10.29 min Scan# 837

Delta R.T. -0.01 min

Lab File: BN010912.D

Acq: 16 Jun 2020 18:17

Instrument :

BNA_N

ClientSampleId :

PB129516BS

Tot Ion:136 Resp: 8516

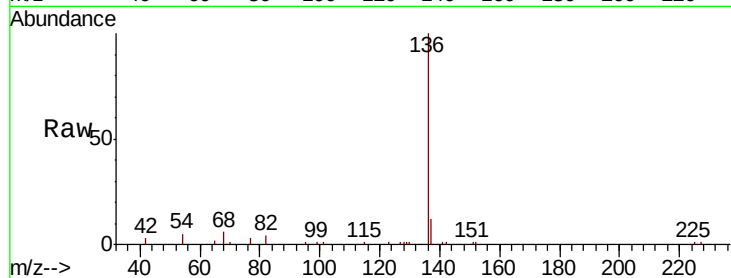
Ion Ratio Lower Upper

136 100

137 12.1 9.7 14.5

54 5.0 4.9 7.3

68 5.7 4.7 7.1

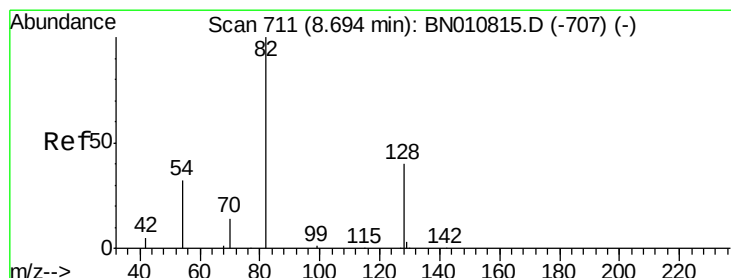
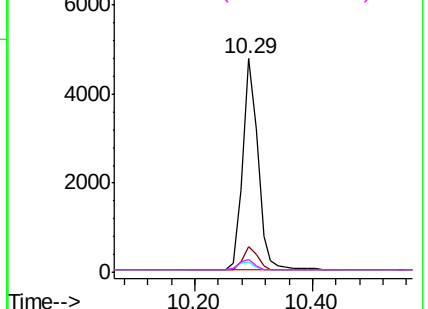
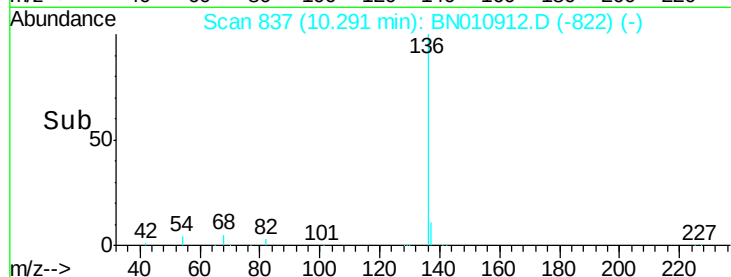


Abundance Ion 136.00 (135.70 to 136.70): E

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: 0.419 ng

RT: 8.68 min Scan# 710

Delta R.T. 0.00 min

Lab File: BN010912.D

Acq: 16 Jun 2020 18:17

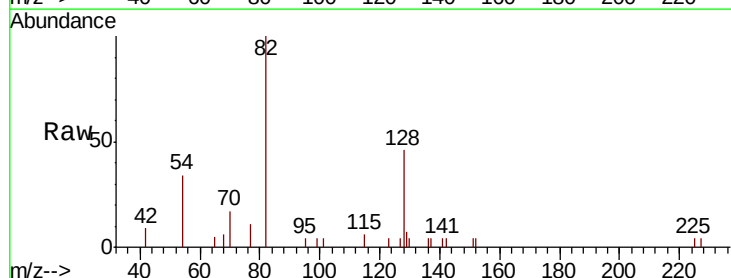
Tgt Ion: 82 Resp: 2642

Ion Ratio Lower Upper

82 100

128 45.8 35.4 53.0

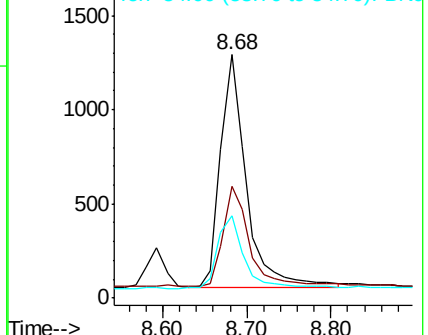
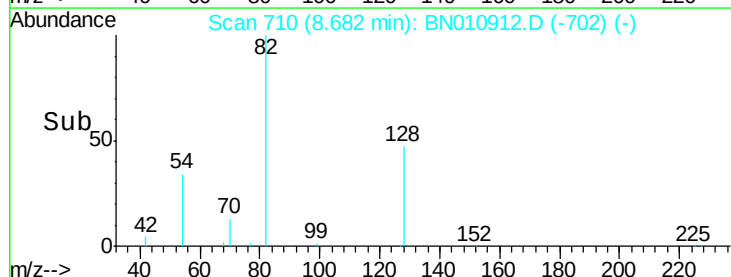
54 33.7 28.2 42.4

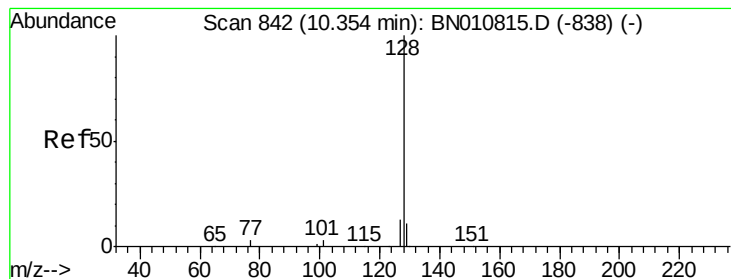


Abundance Ion 82.00 (81.70 to 82.70): BNC

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BNC





#9

Naphthalene

Concen: 0.433 ng

RT: 10.34 min Scan# 841

Delta R.T. 0.00 min

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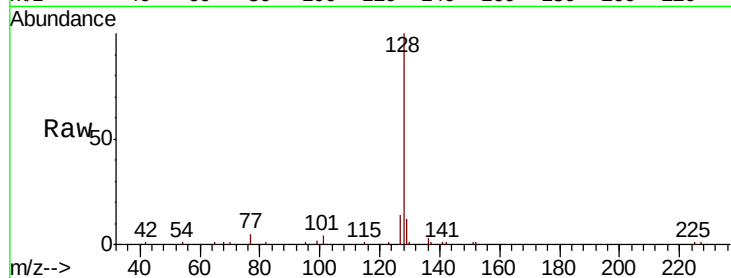
Tot Ion:128 Resp: 9269

Ion Ratio Lower Upper

128 100

129 11.6 9.6 14.4

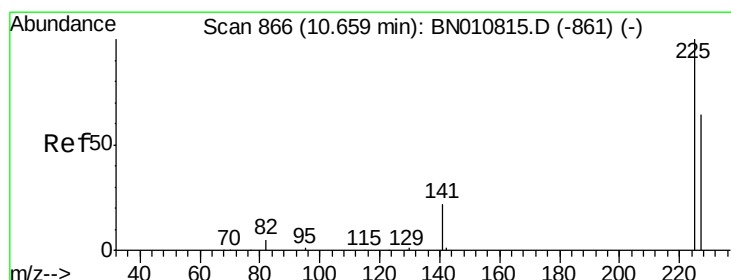
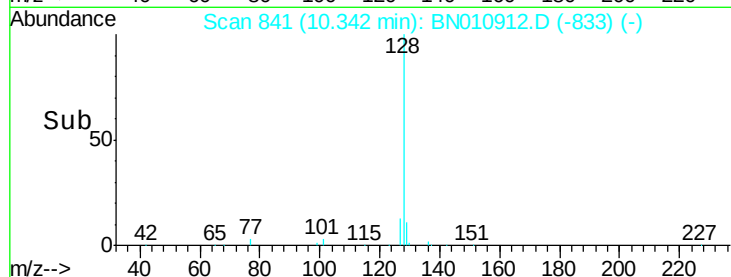
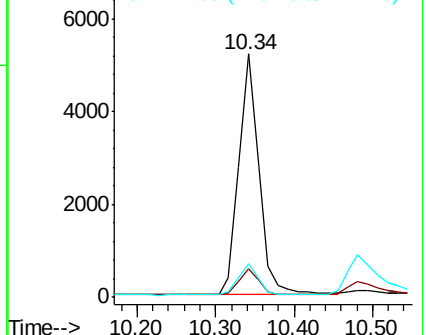
127 13.7 11.4 17.2



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: 0.402 ng

RT: 10.63 min Scan# 864

Delta R.T. -0.01 min

Lab File: BN010912.D

Acq: 16 Jun 2020 18:17

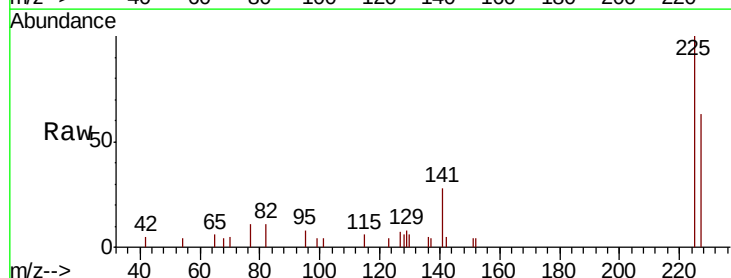
Tgt Ion:225 Resp: 2126

Ion Ratio Lower Upper

225 100

223 0.0 0.0 0.0

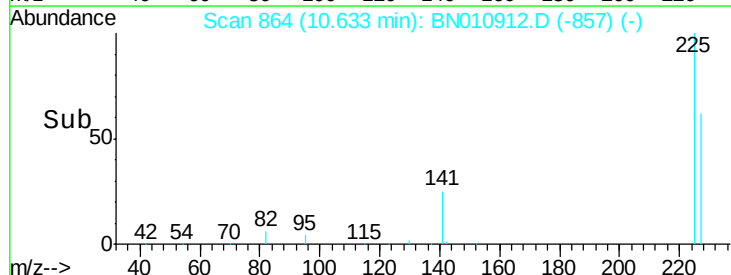
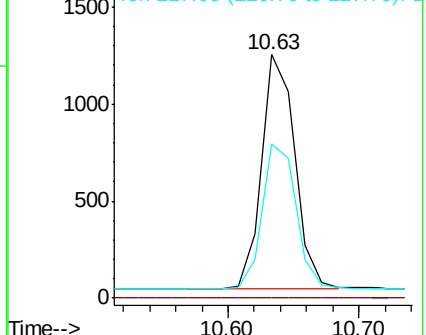
227 63.5 50.5 75.7

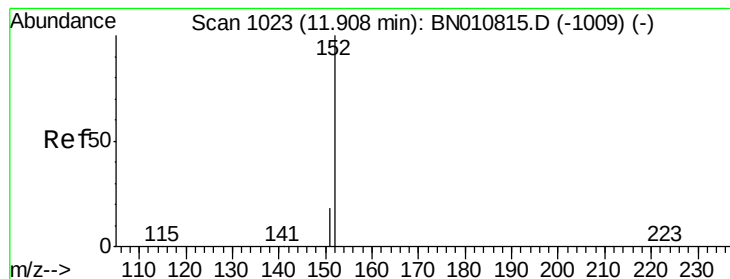


Abundance Ion 225.00 (224.70 to 225.70): E

Ion 223.00 (222.70 to 223.70): E

Ion 227.00 (226.70 to 227.70): E





#11

2-Methylnaphthalene-d10

Concen: 0.422 ng

RT: 11.89 min Scan# 1019

Delta R.T. -0.00 min

Lab File: BN010912.D

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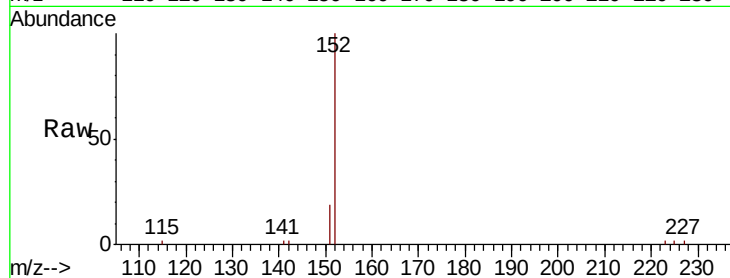
PB129516BS

Tot Ion:152 Resp: 5569

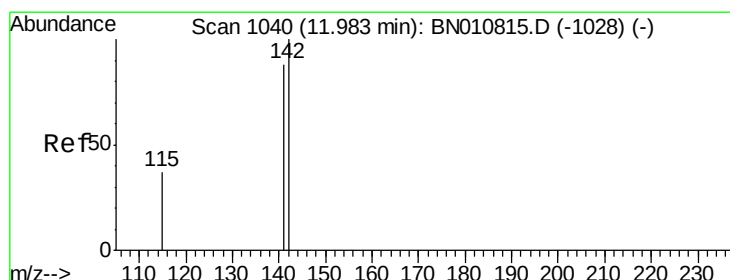
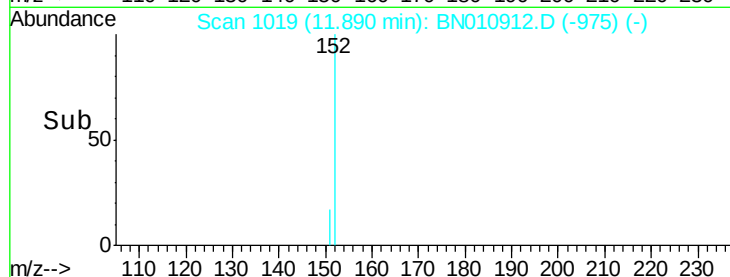
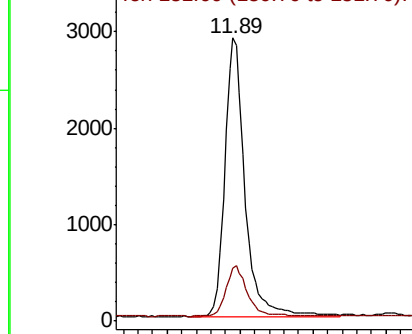
Ion Ratio Lower Upper

152 100

151 19.0 15.3 22.9



Abundance Ion 152.00 (151.70 to 152.70): E
Ion 151.00 (150.70 to 151.70): E



#12

2-Methylnaphthalene

Concen: 0.431 ng

RT: 11.97 min Scan# 1036

Delta R.T. -0.00 min

Lab File: BN010912.D

Acq: 16 Jun 2020 18:17

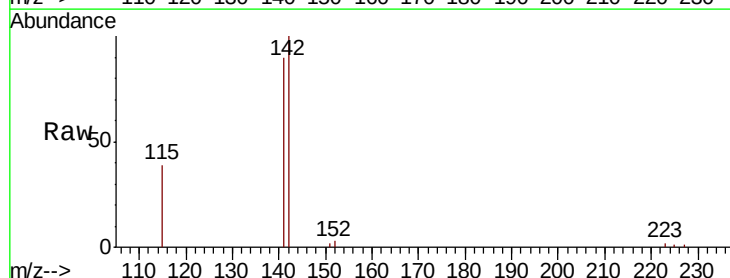
Tgt Ion:142 Resp: 6169

Ion Ratio Lower Upper

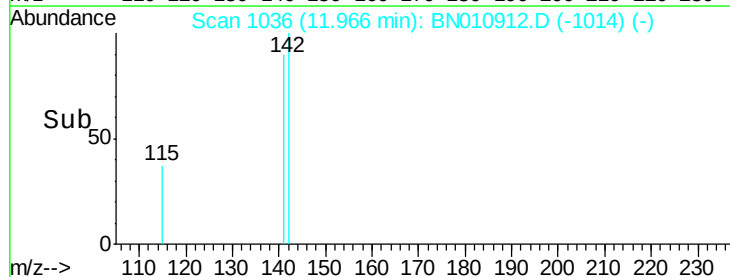
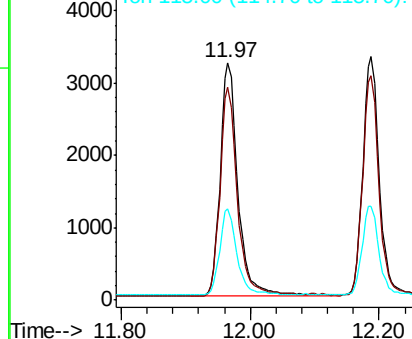
142 100

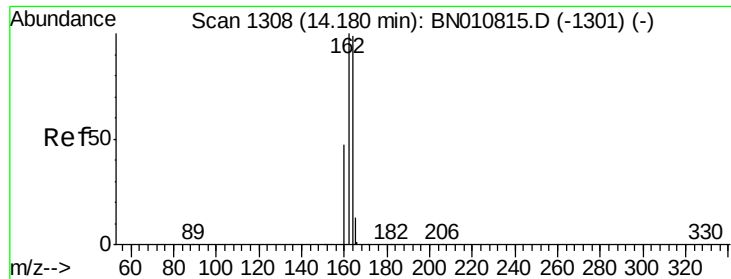
141 89.8 70.8 106.2

115 38.5 31.5 47.3



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: 14.17 min Scan# 1307

Delta R.T. 0.00 min

Lab File: BN010912.D

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ClientSampleId :

PB129516BS

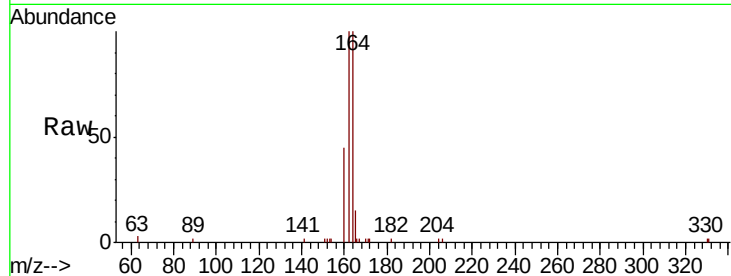
Tot Ion:164 Resp: 4726

Ion Ratio Lower Upper

164 100

162 99.6 81.0 121.6

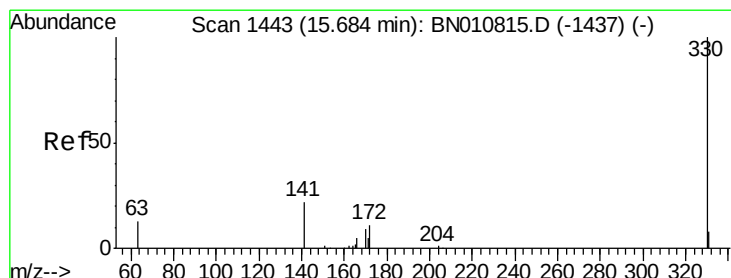
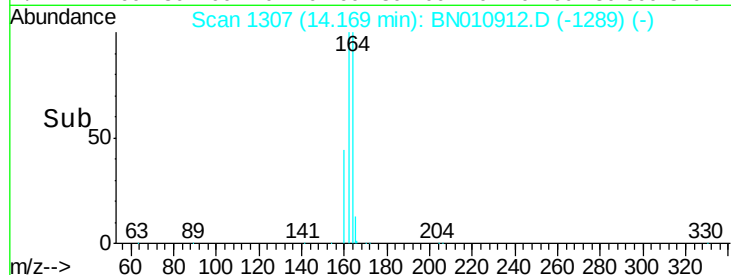
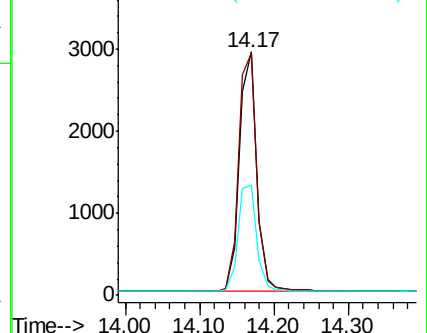
160 45.2 38.9 58.3



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: 0.406 ng

RT: 15.67 min Scan# 1442

Delta R.T. 0.00 min

Lab File: BN010912.D

Acq: 16 Jun 2020 18:17

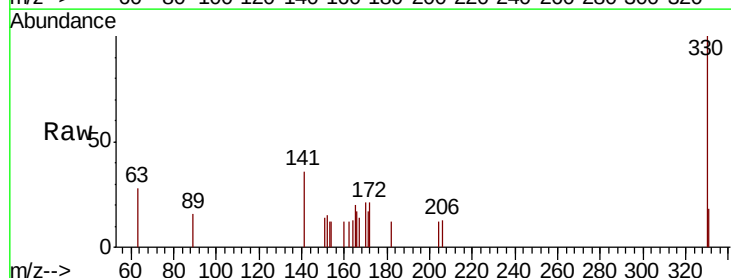
Tgt Ion:330 Resp: 687

Ion Ratio Lower Upper

330 100

332 0.0 0.0 0.0

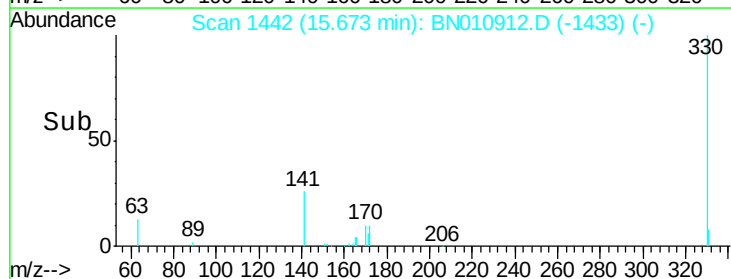
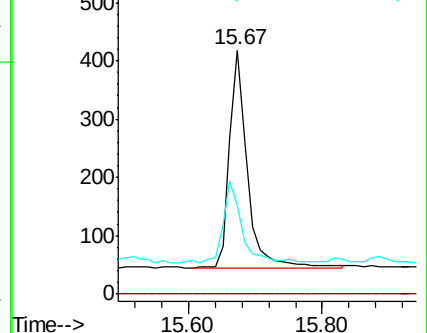
141 37.7 33.2 49.8

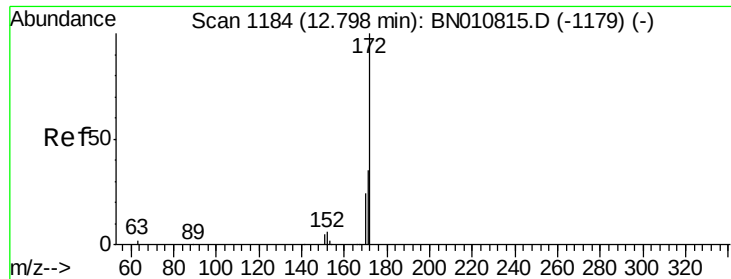


Abundance Ion 330.00 (329.70 to 330.70): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

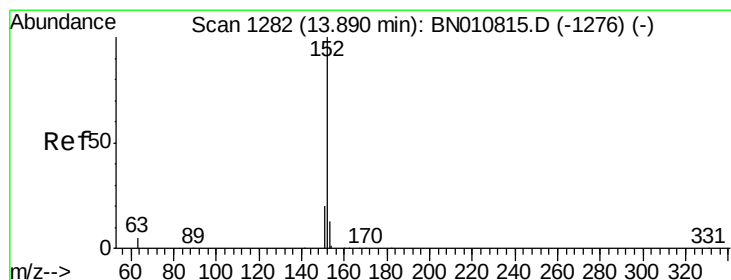
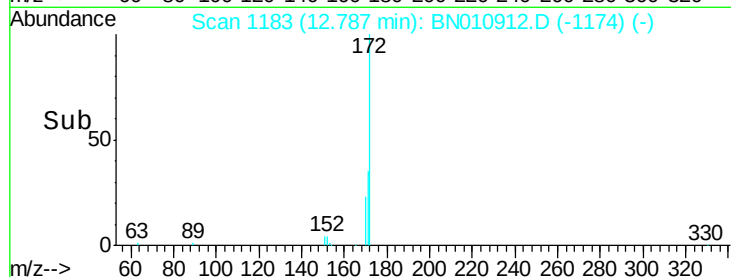
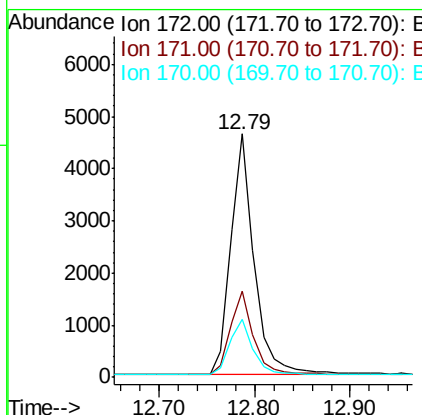
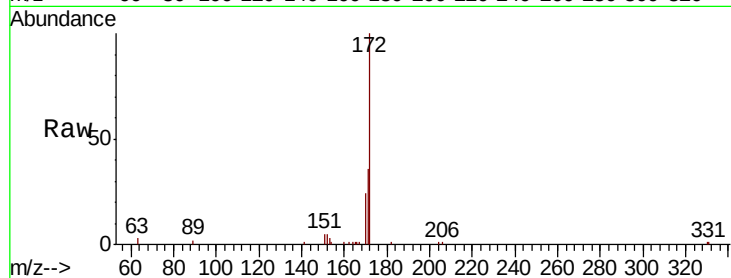




#15
2-Fluorobiphenyl
Concen: 0.425 ng
RT: 12.79 min Scan# 1183
Delta R.T. 0.00 min
Lab File: BN010912.D
Acq: 16 Jun 2020 18:17

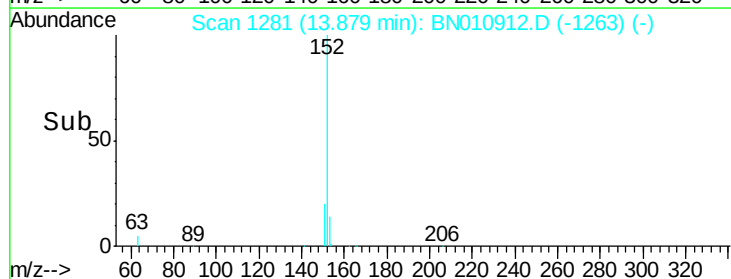
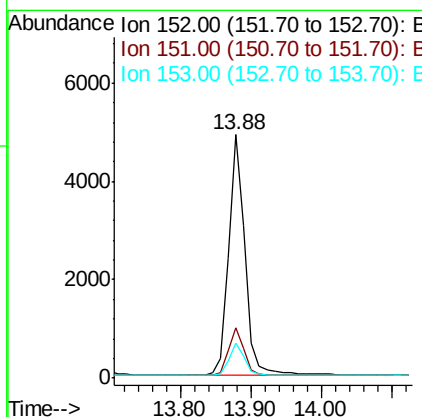
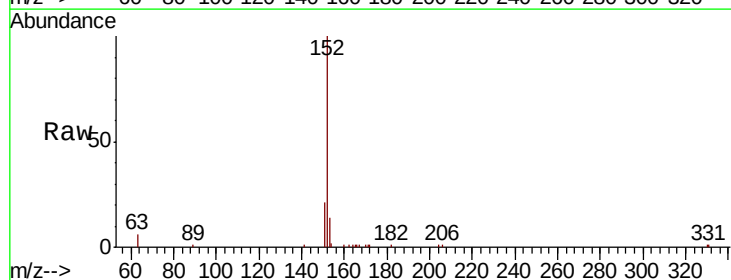
Instrument :
BNA_N
ClientSampleId :
PB129516BS

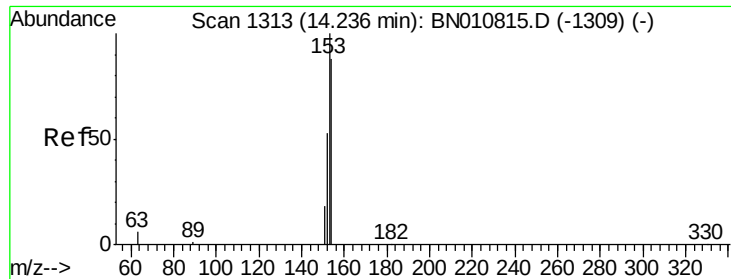
Tot Ion:172 Resp: 7930
Ion Ratio Lower Upper
172 100
171 35.6 28.5 42.7
170 23.8 19.7 29.5



#16
Acenaphthylene
Concen: 0.417 ng
RT: 13.88 min Scan# 1281
Delta R.T. 0.00 min
Lab File: BN010912.D
Acq: 16 Jun 2020 18:17

Tgt Ion:152 Resp: 8076
Ion Ratio Lower Upper
152 100
151 19.4 15.6 23.4
153 13.4 10.6 16.0





#17

Acenaphthene

Concen: 0.414 ng

RT: 14.22 min Scan# 1312

Delta R.T. -0.01 min

Lab File: BN010912.D

Acq: 16 Jun 2020 18:17

Instrument :

BNA_N

ClientSampleId :

PB129516BS

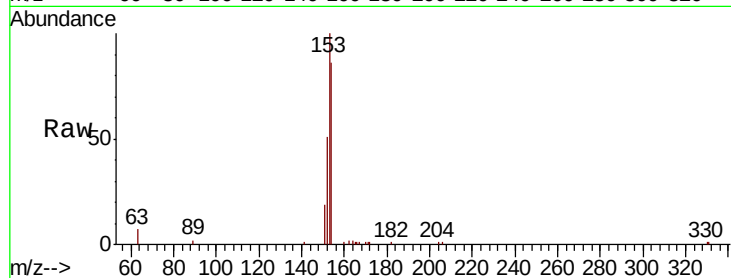
Tot Ion:154 Resp: 5470

Ion Ratio Lower Upper

154 100

153 116.5 91.8 137.6

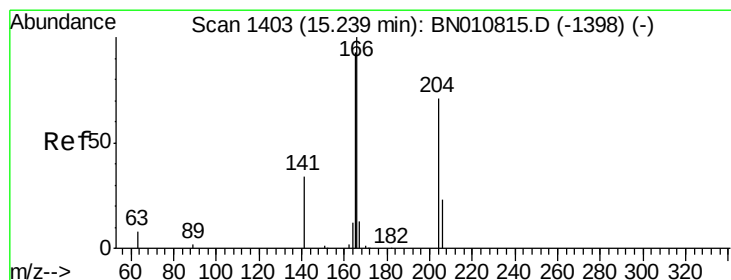
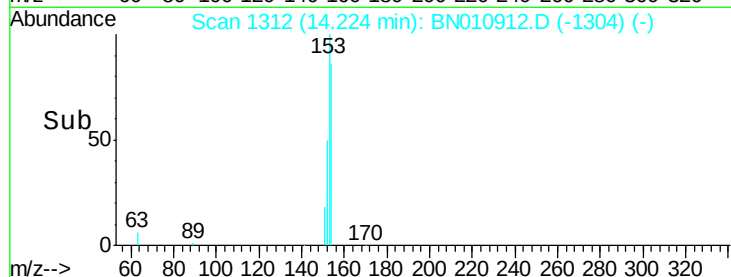
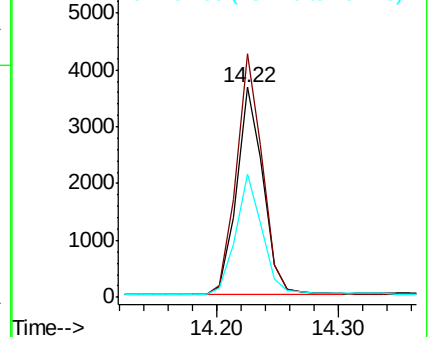
152 58.3 47.6 71.4



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: 0.409 ng

RT: 15.22 min Scan# 1401

Delta R.T. -0.01 min

Lab File: BN010912.D

Acq: 16 Jun 2020 18:17

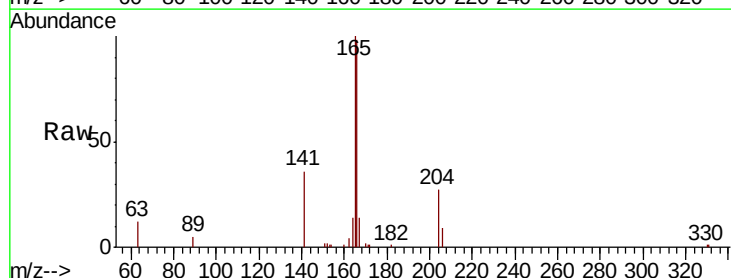
Tgt Ion:166 Resp: 6965

Ion Ratio Lower Upper

166 100

165 98.3 77.2 115.8

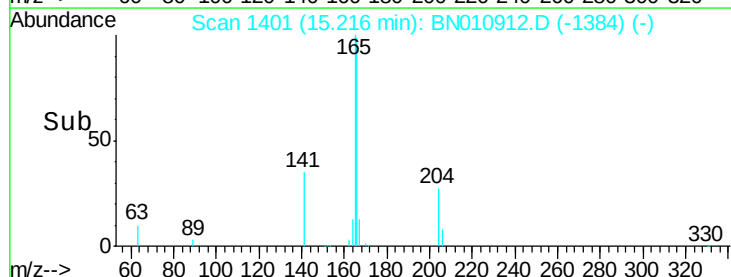
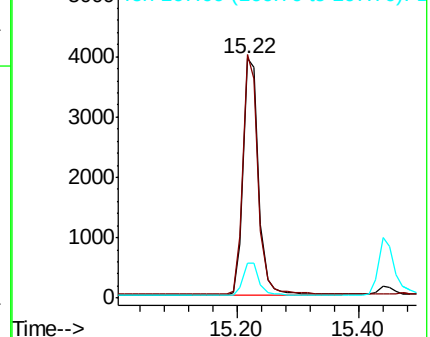
167 14.1 10.7 16.1

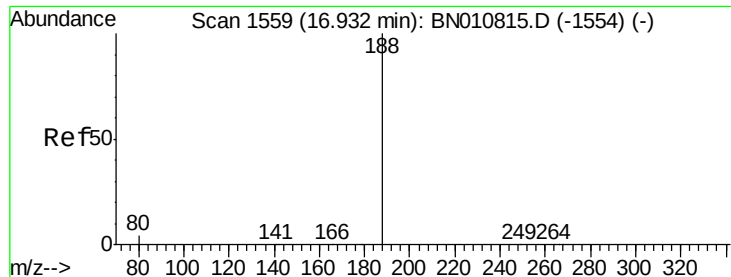


Abundance Ion 166.00 (165.70 to 166.70): E

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: 16.92 min Scan# 1558

Delta R.T. 0.00 min

Lab File: BN010912.D

Acq: 16 Jun 2020 18:17

Instrument :

BNA_N

ClientSampleId :

PB129516BS

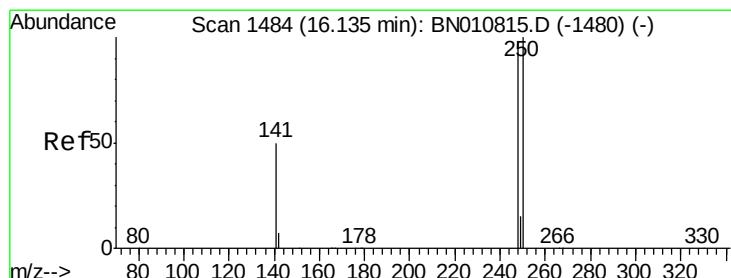
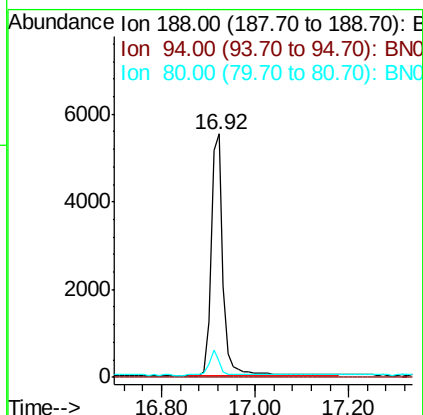
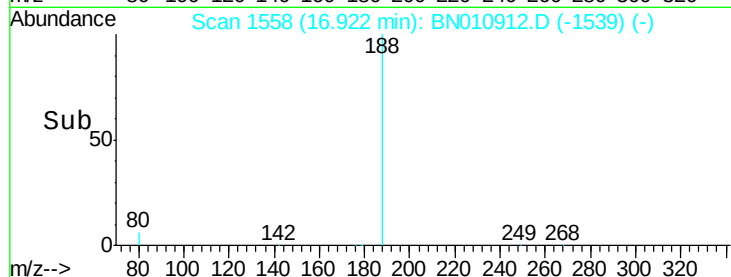
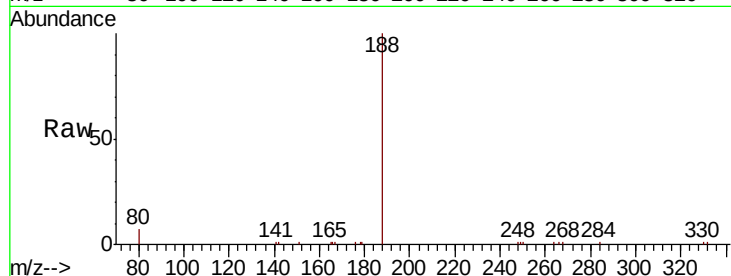
Tot Ion:188 Resp: 9846

Ion Ratio Lower Upper

188 100

94 0.0 0.0 0.0

80 6.7 4.5 6.7



#20

4-Bromophenyl-phenylether

Concen: 0.383 ng

RT: 16.12 min Scan# 1483

Delta R.T. 0.00 min

Lab File: BN010912.D

Acq: 16 Jun 2020 18:17

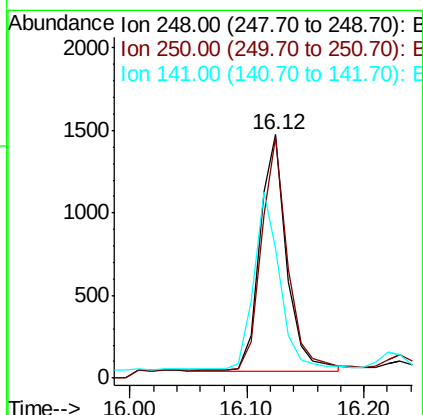
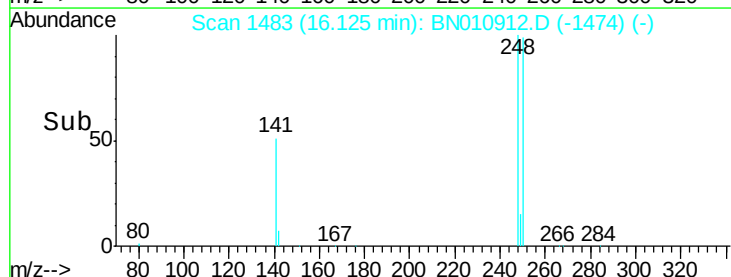
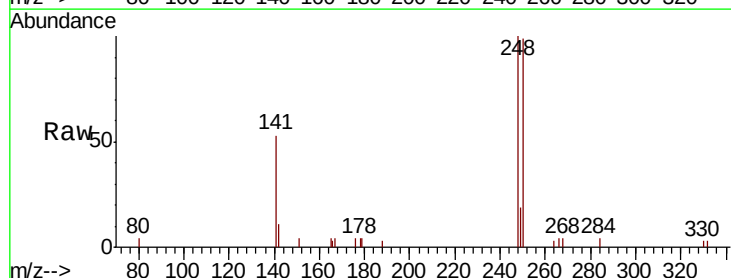
Tgt Ion:248 Resp: 2268

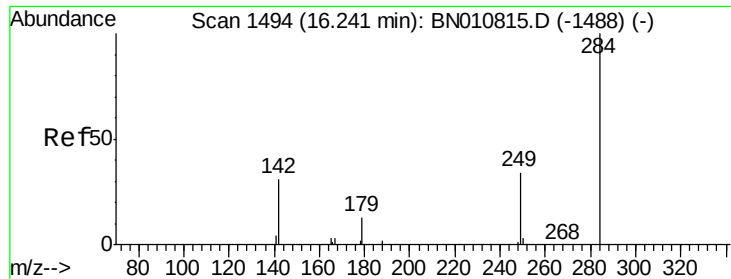
Ion Ratio Lower Upper

248 100

250 99.3 81.8 122.8

141 53.3 42.6 64.0





#21

Hexachlorobenzene

Concen: 0.414 ng

RT: 16.23 min Scan# 1493

Delta R.T. 0.00 min

Lab File: BN010912.D

Acq: 16 Jun 2020 18:17

Instrument :

BNA_N

ClientSampleId :

PB129516BS

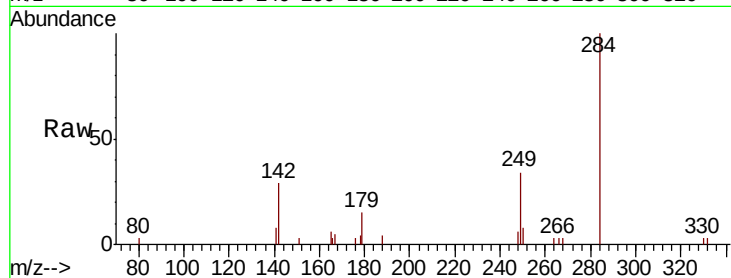
Tot Ion:284 Resp: 2554

Ion Ratio Lower Upper

284 100

142 35.0 31.0 46.4

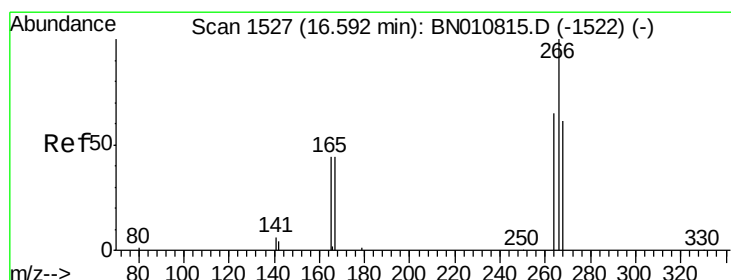
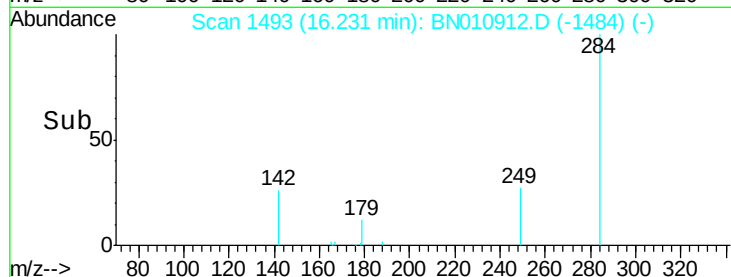
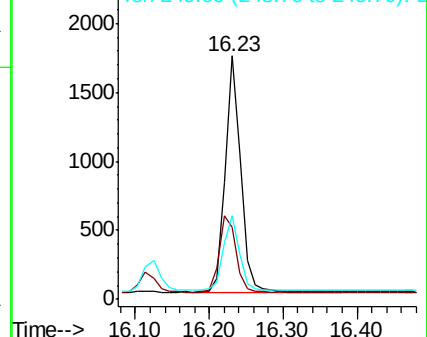
249 32.7 27.1 40.7



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: 0.382 ng

RT: 16.58 min Scan# 1526

Delta R.T. 0.00 min

Lab File: BN010912.D

Acq: 16 Jun 2020 18:17

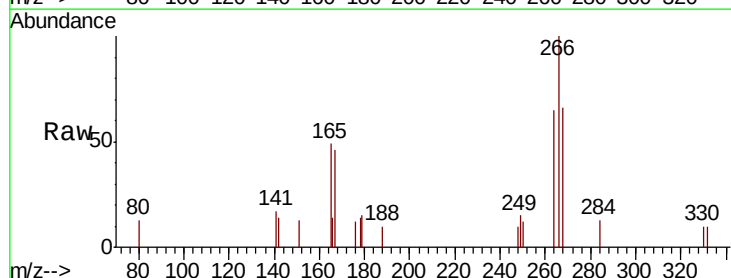
Tgt Ion:266 Resp: 791

Ion Ratio Lower Upper

266 100

264 64.5 54.8 82.2

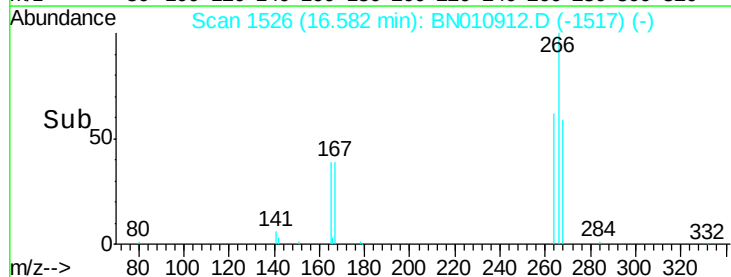
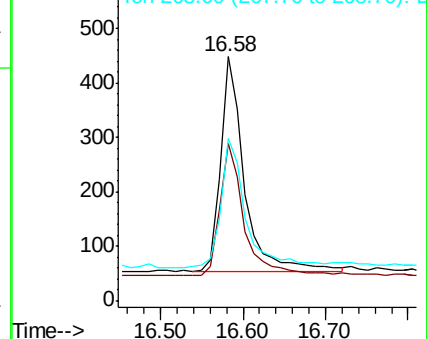
268 66.3 55.9 83.9

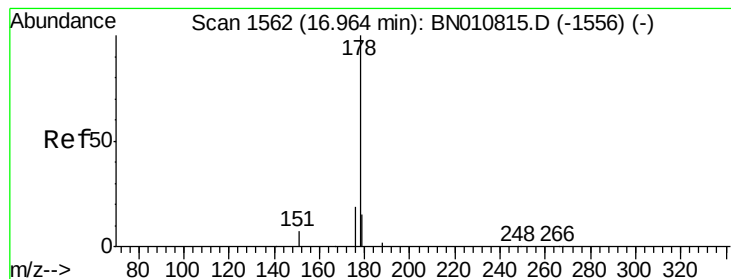


Abundance Ion 266.00 (265.70 to 266.70): E

Ion 264.00 (263.70 to 264.70): E

Ion 268.00 (267.70 to 268.70): E





#23

Phenanthrene

Concen: 0.422 ng

RT: 16.95 min Scan# 1561

Delta R.T. -0.01 min

Lab File: BN010912.D

Acq: 16 Jun 2020 18:17

Instrument :

BNA_N

ClientSampleId :

PB129516BS

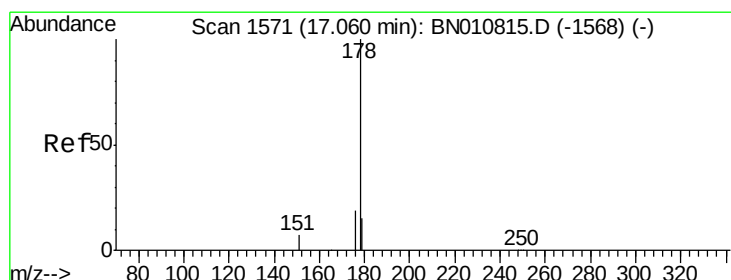
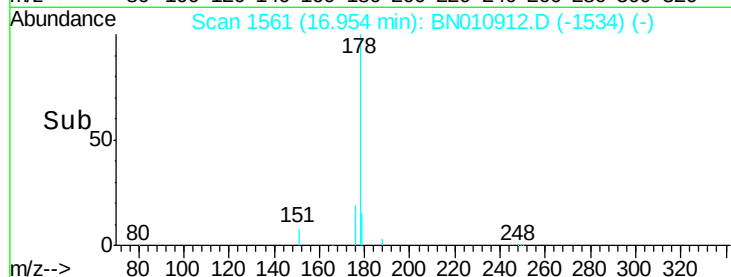
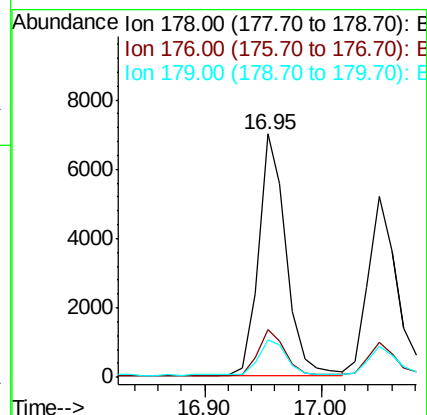
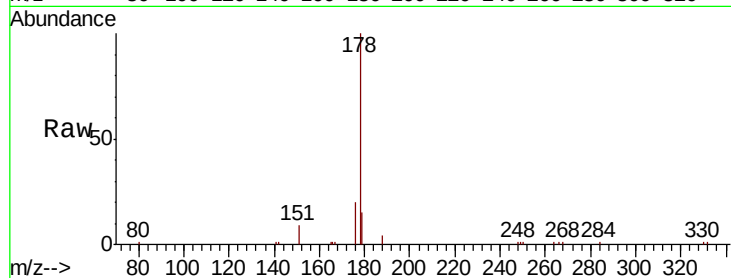
Tot Ion:178 Resp: 11337

Ion Ratio Lower Upper

178 100

176 19.1 15.3 22.9

179 14.9 12.6 19.0



#24

Anthracene

Concen: 0.407 ng

RT: 17.05 min Scan# 1570

Delta R.T. 0.00 min

Lab File: BN010912.D

Acq: 16 Jun 2020 18:17

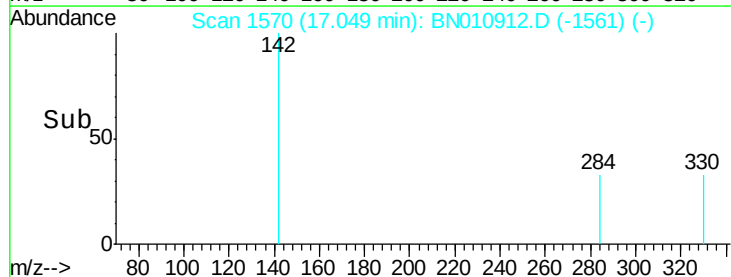
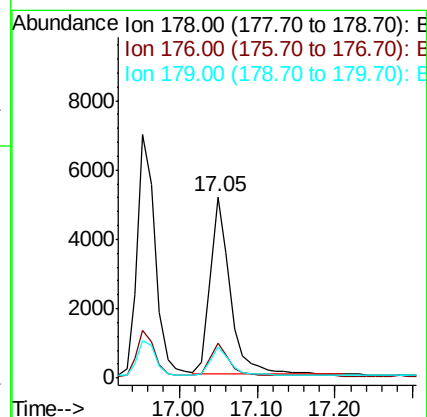
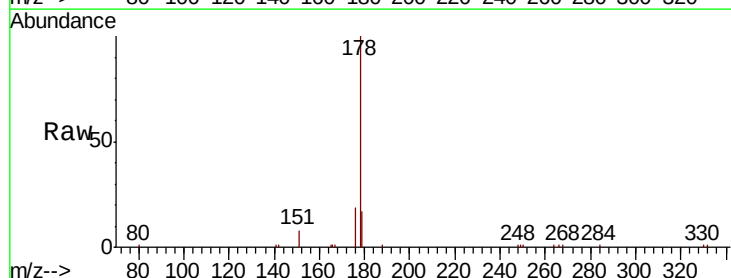
Tgt Ion:178 Resp: 9145

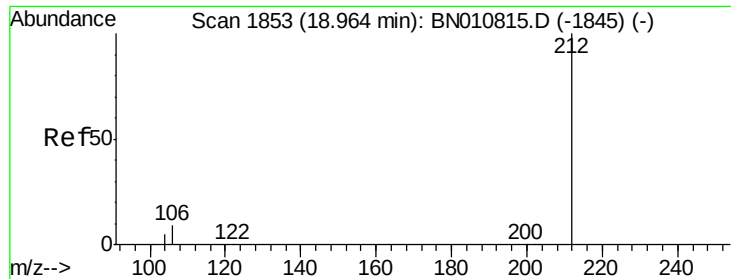
Ion Ratio Lower Upper

178 100

176 18.1 14.6 22.0

179 15.1 12.3 18.5





#25

Fluoranthene-d10

Concen: 0.448 ng

RT: 18.95 min Scan# 1851

Delta R.T. -0.00 min

Lab File: BN010912.D

Acq: 16 Jun 2020 18:17

Instrument :

BNA_N

ClientSampleId :

PB129516BS

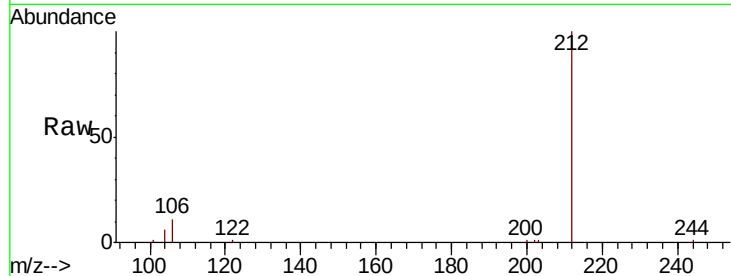
Tot Ion:212 Resp: 12180

Ion Ratio Lower Upper

212 100

106 9.9 6.6 10.0

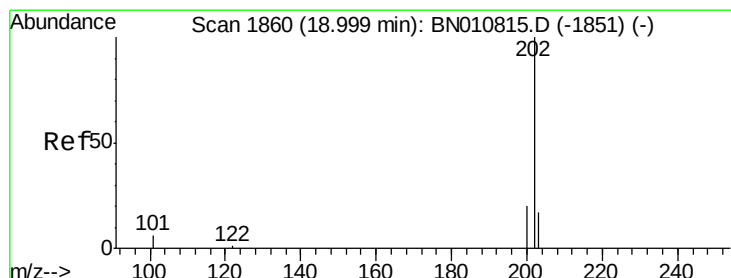
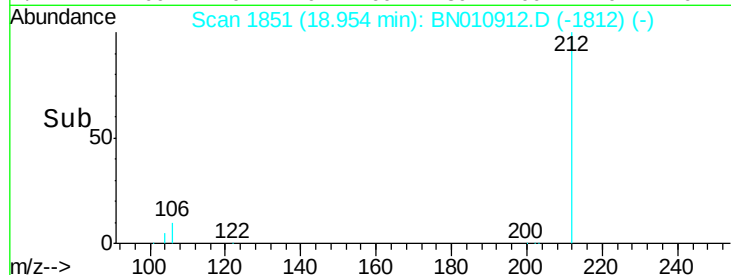
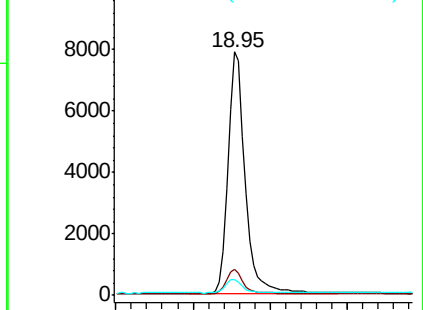
104 5.8 4.0 6.0



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: 0.455 ng

RT: 18.99 min Scan# 1858

Delta R.T. 0.00 min

Lab File: BN010912.D

Acq: 16 Jun 2020 18:17

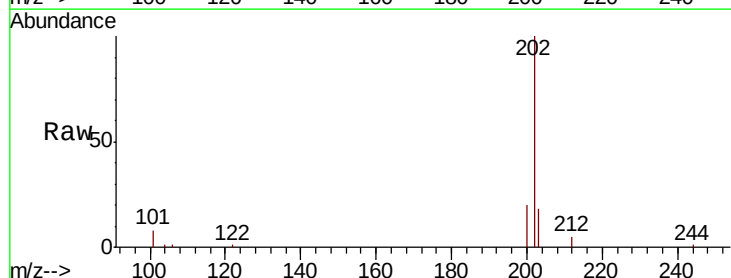
Tgt Ion:202 Resp: 13885

Ion Ratio Lower Upper

202 100

101 8.4 5.8 8.6

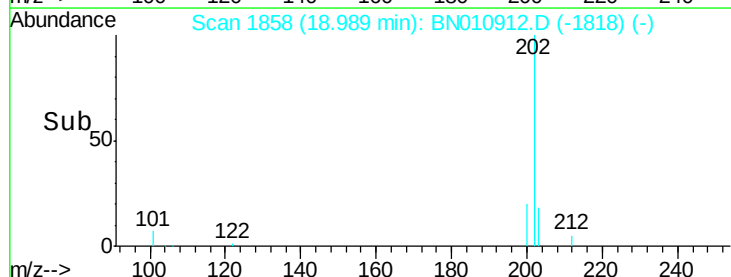
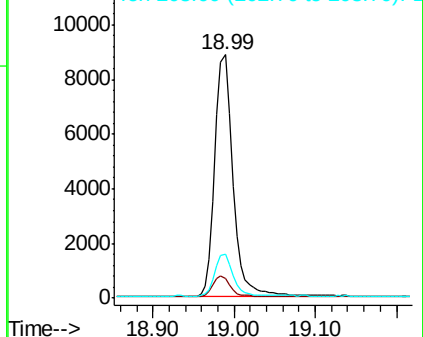
203 17.0 13.7 20.5

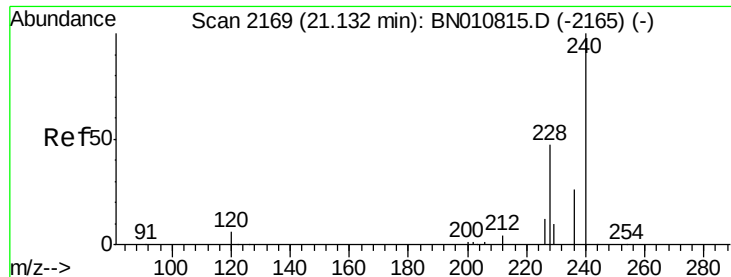


Abundance Ion 202.00 (201.70 to 202.70): E

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: 21.12 min Scan# 2168

Delta R.T. -0.01 min

Lab File: BN010912.D

Acq: 16 Jun 2020 18:17

Instrument :

BNA_N

ClientSampleId :

PB129516BS

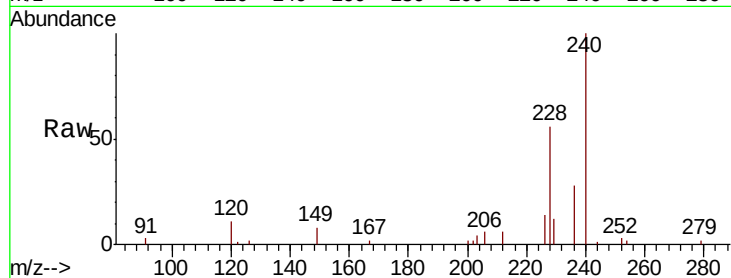
Tot Ion:240 Resp: 8911

Ion Ratio Lower Upper

240 100

120 10.9 7.5 11.3

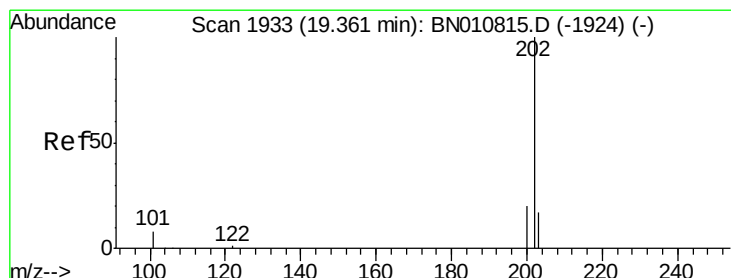
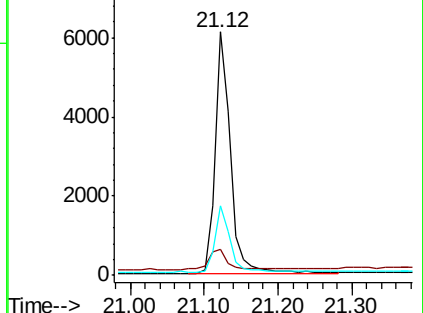
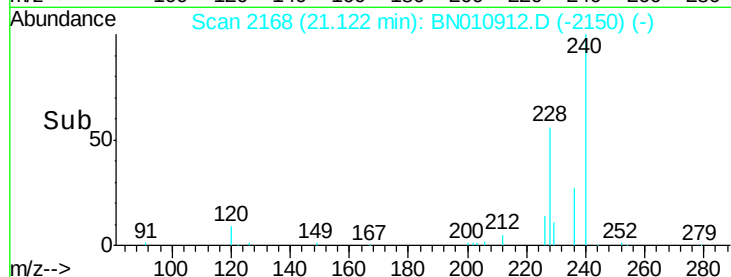
236 28.4 22.3 33.5



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: 0.427 ng

RT: 19.35 min Scan# 1931

Delta R.T. 0.00 min

Lab File: BN010912.D

Acq: 16 Jun 2020 18:17

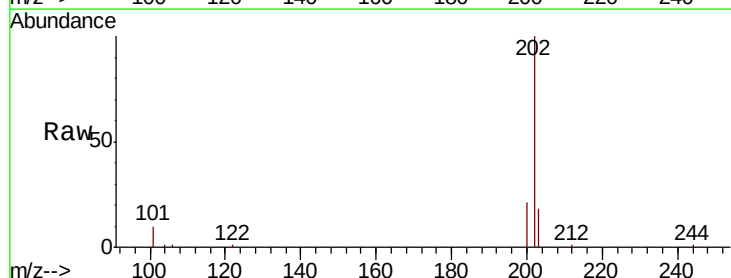
Tgt Ion:202 Resp: 12593

Ion Ratio Lower Upper

202 100

200 20.3 16.4 24.6

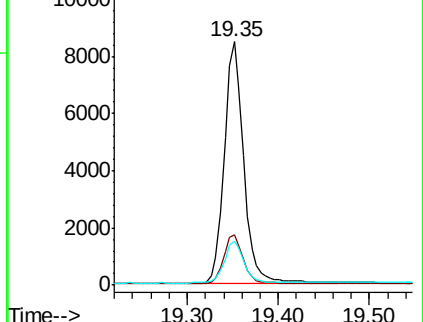
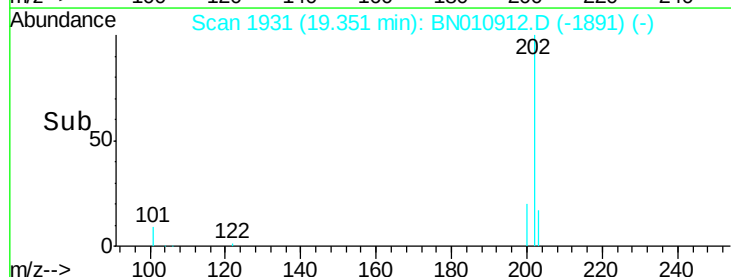
203 17.5 14.2 21.4

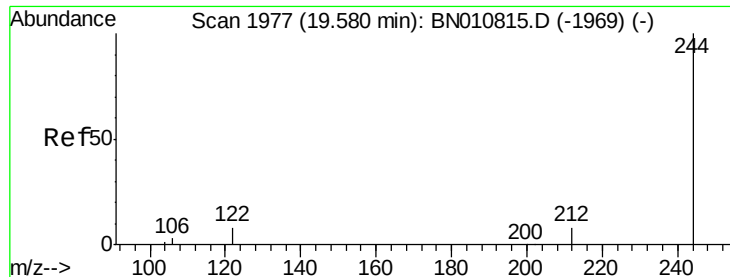


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#29

Terphenyl-d14

Concen: 0.418 ng

RT: 19.57 min Scan# 1975

Delta R.T. -0.00 min

Lab File: BN010912.D

Acq: 16 Jun 2020 18:17

Instrument :

BNA_N

ClientSampleId :

PB129516BS

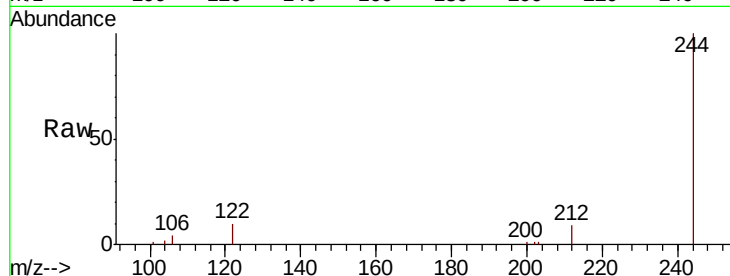
Tot Ion:244 Resp: 8723

Ion Ratio Lower Upper

244 100

212 8.7 7.4 11.2

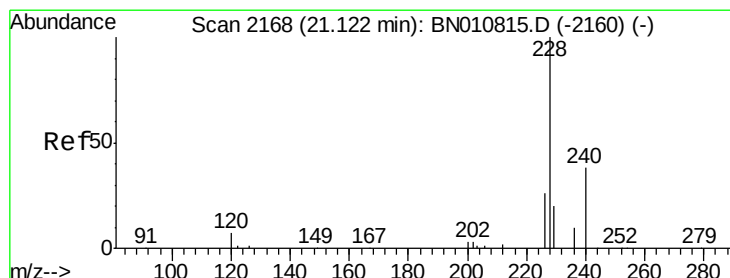
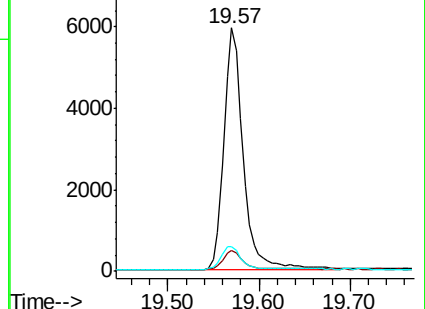
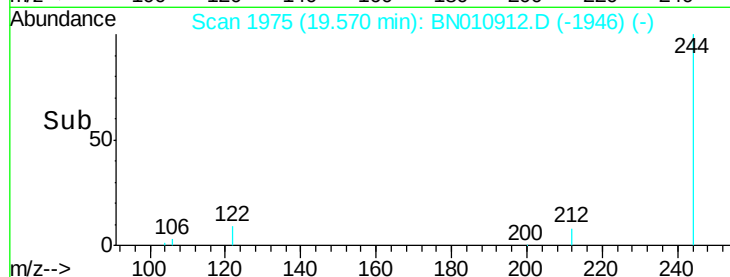
122 10.0 7.5 11.3



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: 0.411 ng

RT: 21.11 min Scan# 2167

Delta R.T. 0.00 min

Lab File: BN010912.D

Acq: 16 Jun 2020 18:17

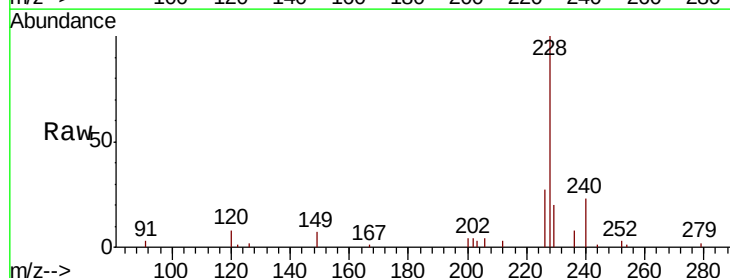
Tgt Ion:228 Resp: 10772

Ion Ratio Lower Upper

228 100

226 26.9 21.3 31.9

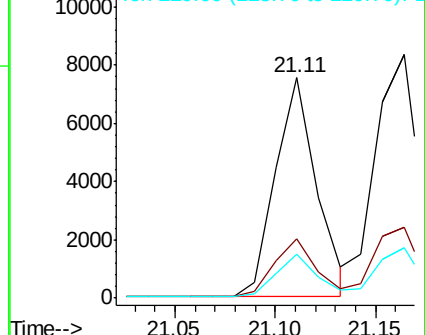
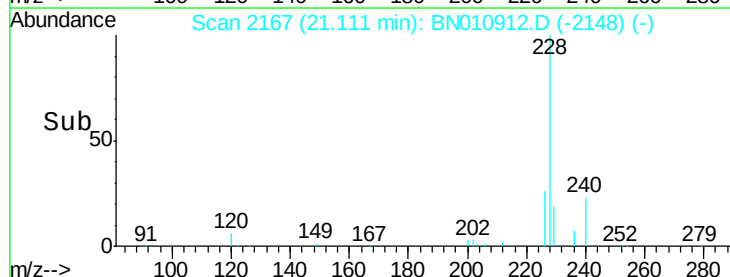
229 20.1 16.6 24.8

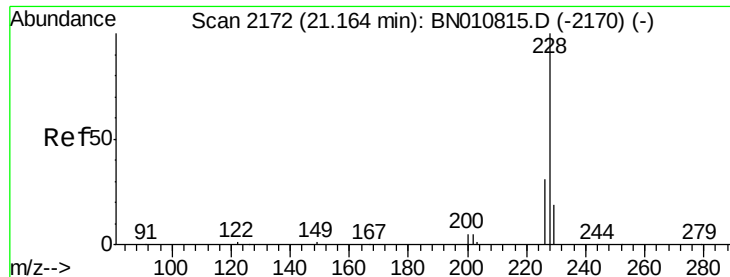


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#31

Chrysene

Concen: 0.427 ng

RT: 21.16 min Scan# 2172

Delta R.T. 0.00 min

Lab File: BN010912.D

Acq: 16 Jun 2020 18:17

Instrument :

BNA_N

ClientSampled :

PB129516BS

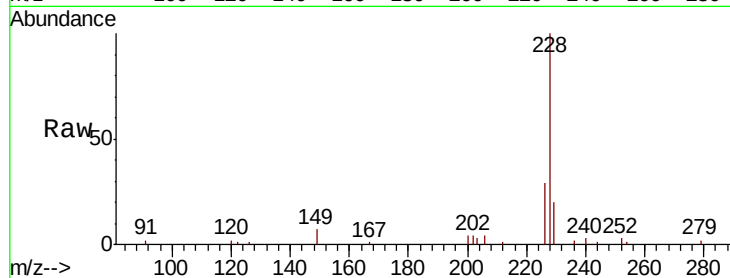
Tot Ion:228 Resp: 13042

Ion Ratio Lower Upper

228 100

226 29.1 25.0 37.6

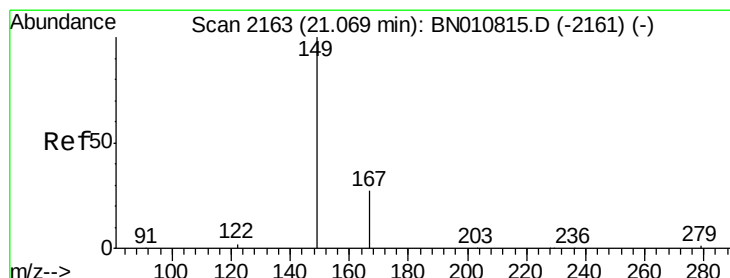
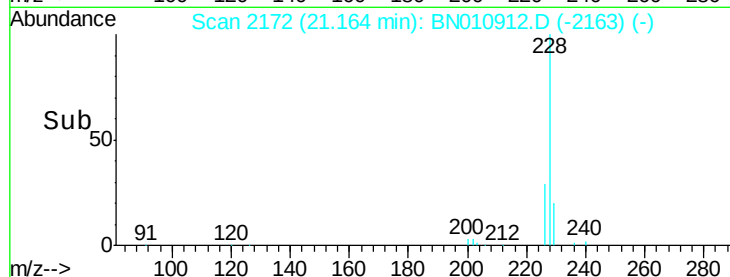
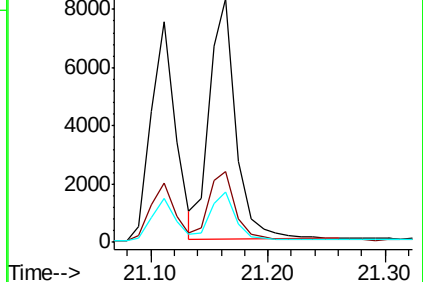
229 20.4 16.1 24.1



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: 0.457 ng

RT: 21.07 min Scan# 2163

Delta R.T. 0.00 min

Lab File: BN010912.D

Acq: 16 Jun 2020 18:17

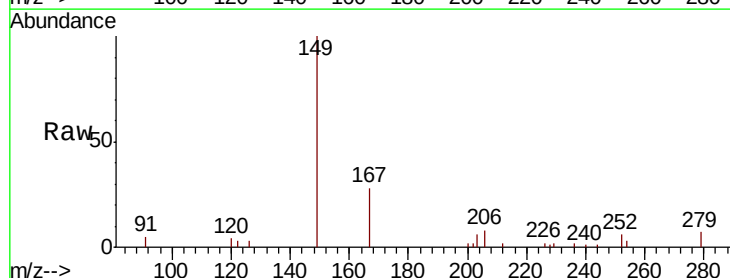
Tgt Ion:149 Resp: 3988

Ion Ratio Lower Upper

149 100

167 28.1 24.1 36.1

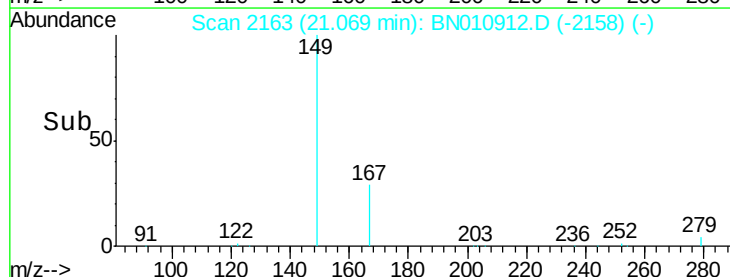
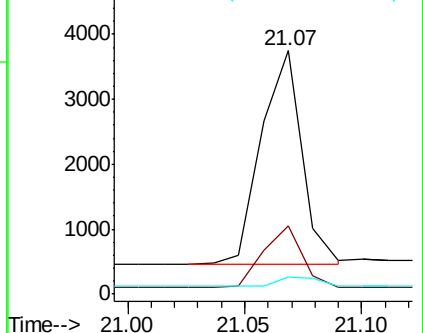
279 5.1 4.6 7.0

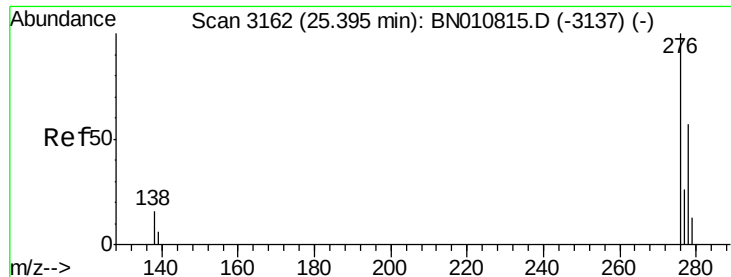


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E





#33

Indeno(1,2,3-cd)pyrene

Concen: 0.427 ng

RT: 25.38 min Scan# 3157

Delta R.T. -0.01 min

Lab File: BN010912.D

Acq: 16 Jun 2020 18:17

Instrument :

BNA_N

ClientSampleId :

PB129516BS

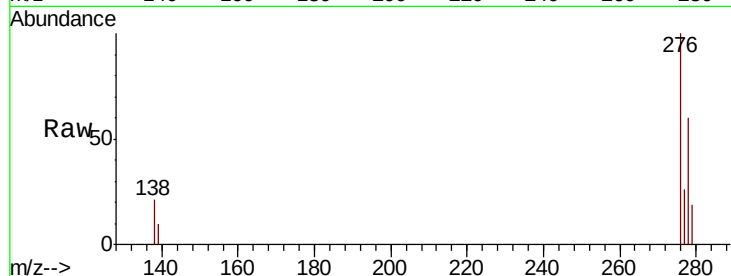
Tot Ion:276 Resp: 14566

Ion Ratio Lower Upper

276 100

138 21.0 13.0 19.6#

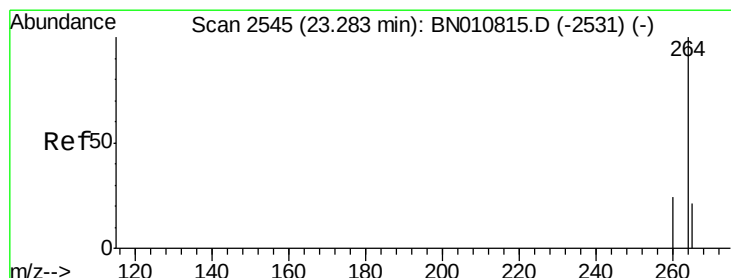
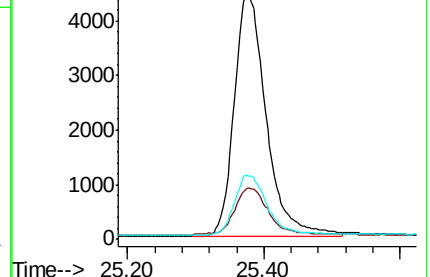
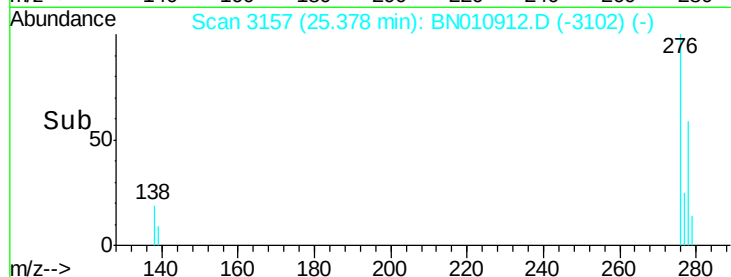
277 24.8 19.7 29.5



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: 23.27 min Scan# 2541

Delta R.T. -0.01 min

Lab File: BN010912.D

Acq: 16 Jun 2020 18:17

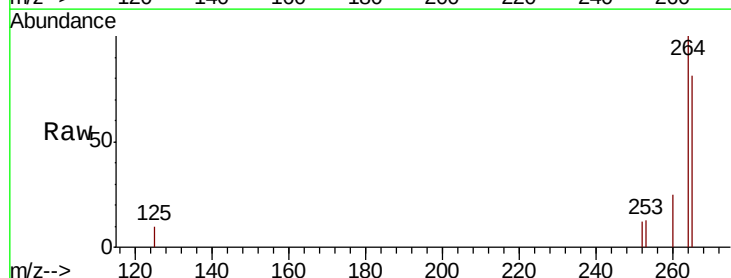
Tgt Ion:264 Resp: 9265

Ion Ratio Lower Upper

264 100

260 24.8 20.4 30.6

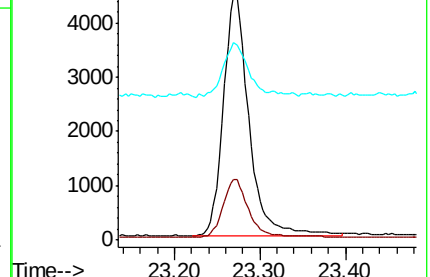
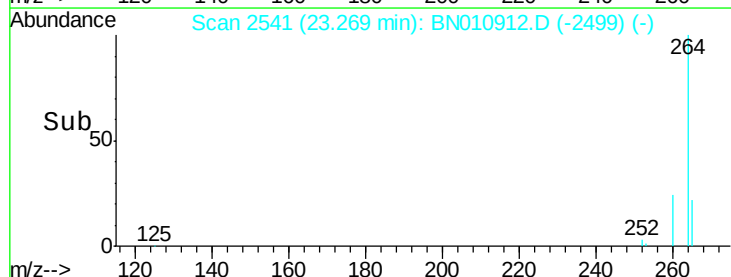
265 81.4 75.0 112.4

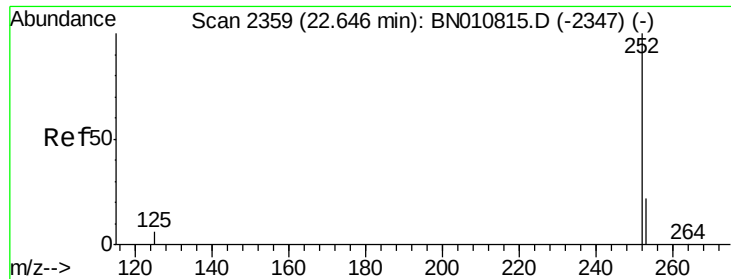


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E





#35

Benzo(b)fluoranthene

Concen: 0.385 ng

RT: 22.64 min Scan# 2356

Delta R.T. -0.01 min

Lab File: BN010912.D

Acq: 16 Jun 2020 18:17

Instrument :

BNA_N

ClientSampleId :

PB129516BS

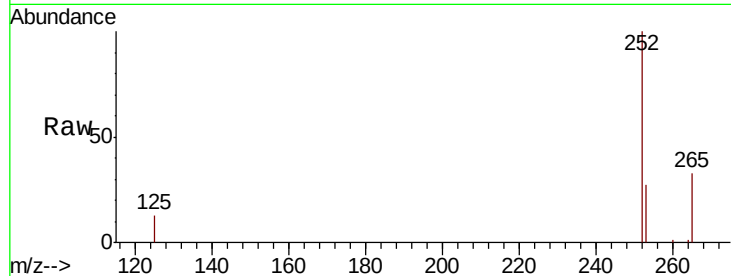
Tot Ion:252 Resp: 12134

Ion Ratio Lower Upper

252 100

253 27.4 22.4 33.6

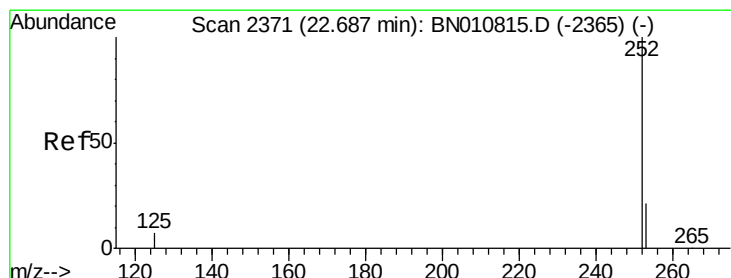
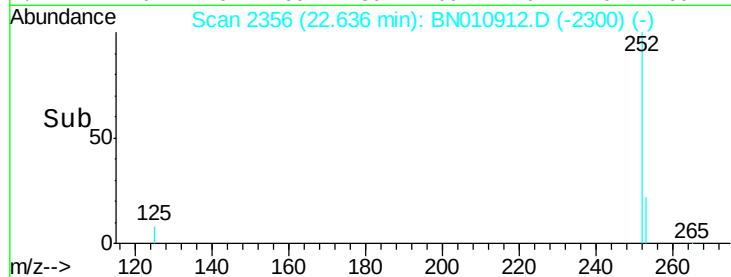
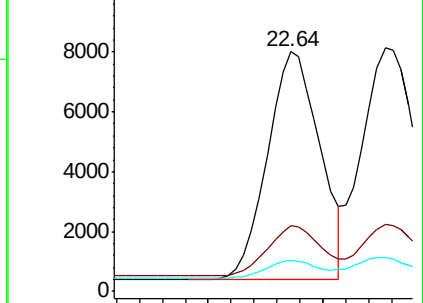
125 13.1 9.4 14.0



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: 0.408 ng

RT: 22.68 min Scan# 2368

Delta R.T. -0.01 min

Lab File: BN010912.D

Acq: 16 Jun 2020 18:17

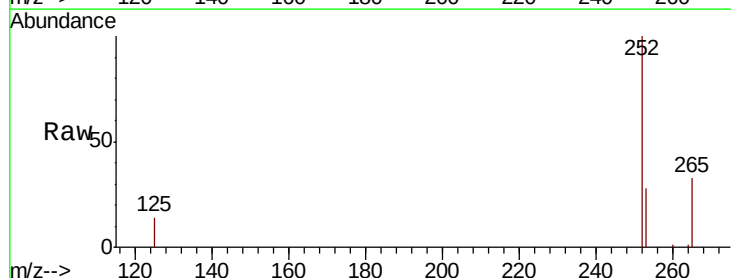
Tgt Ion:252 Resp: 13708

Ion Ratio Lower Upper

252 100

253 27.7 22.2 33.4

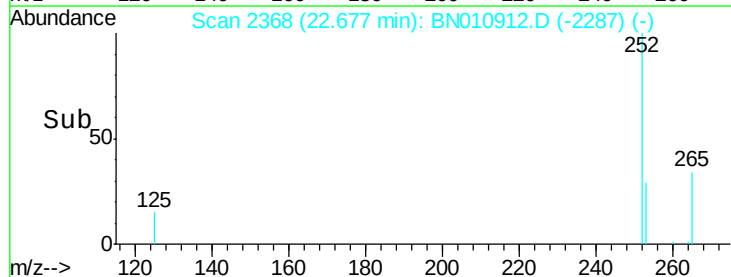
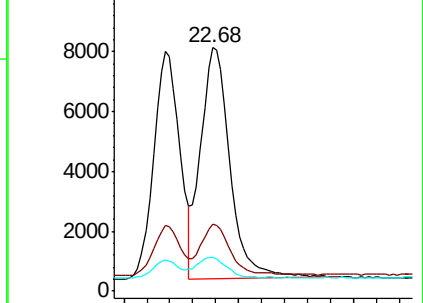
125 14.0 9.8 14.8

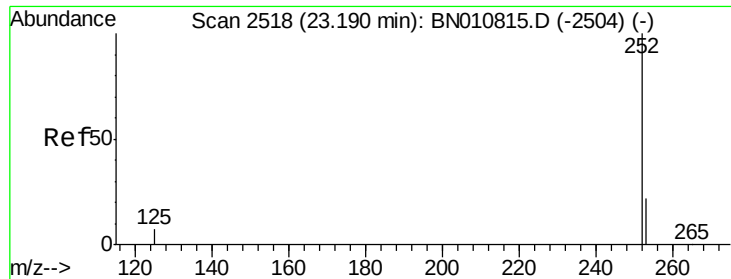


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#37

Benzo(a)pyrene

Concen: 0.412 ng

RT: 23.18 min Scan# 2515

Delta R.T. -0.01 min

Lab File: BN010912.D

Acq: 16 Jun 2020 18:17

Instrument :

BNA_N

ClientSampleId :

PB129516BS

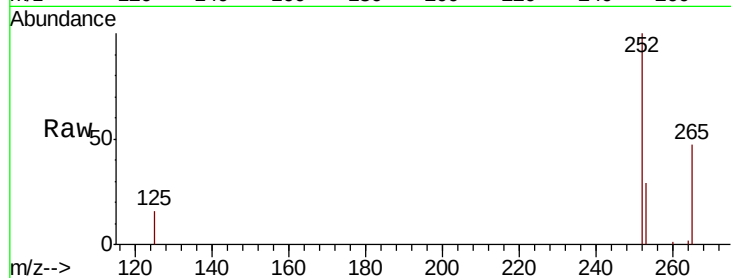
Tot Ion:252 Resp: 11121

Ion Ratio Lower Upper

252 100

253 29.3 25.8 38.8

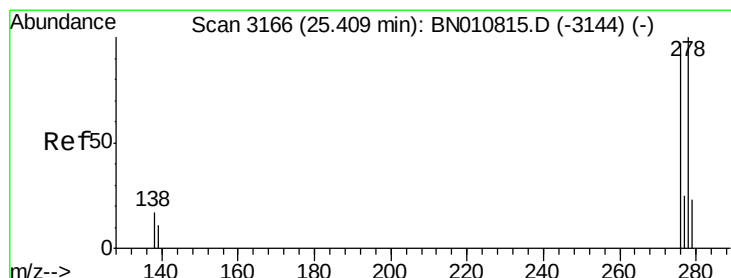
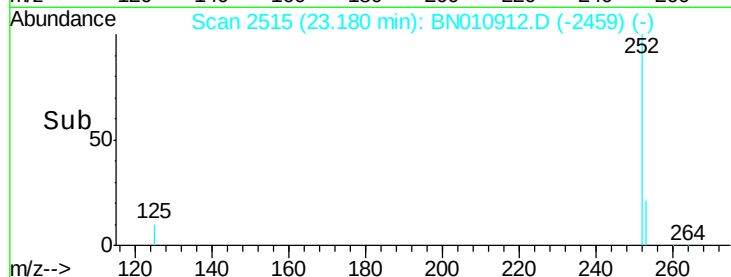
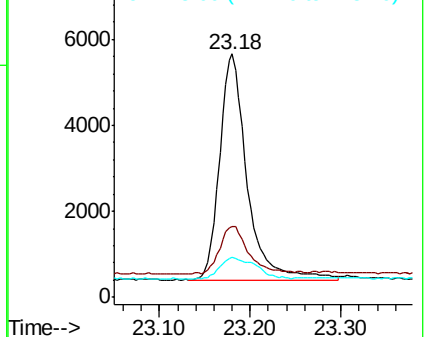
125 16.4 12.4 18.6



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: 0.385 ng

RT: 25.39 min Scan# 3161

Delta R.T. -0.01 min

Lab File: BN010912.D

Acq: 16 Jun 2020 18:17

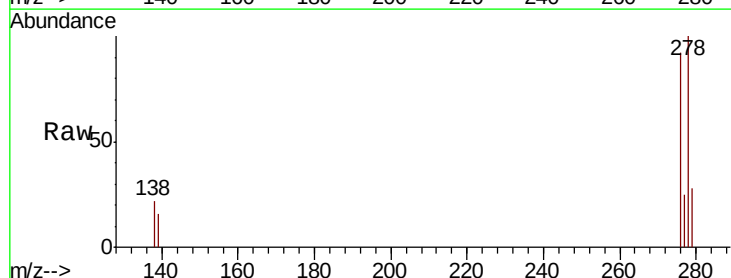
Tgt Ion:278 Resp: 11869

Ion Ratio Lower Upper

278 100

139 15.8 10.6 15.8

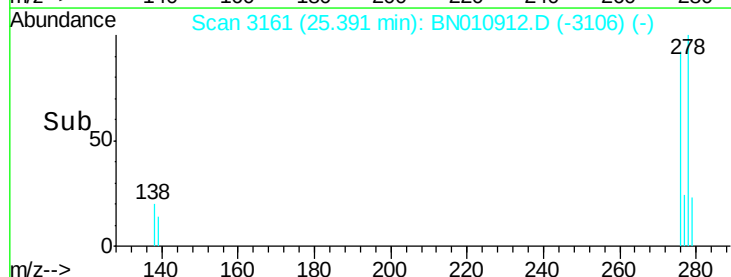
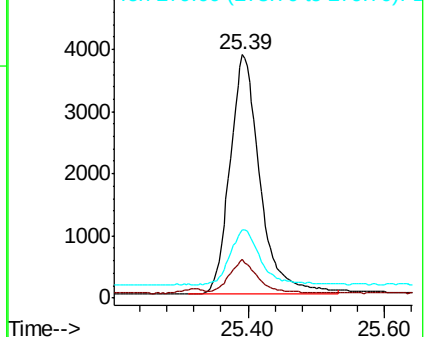
279 27.8 23.6 35.4

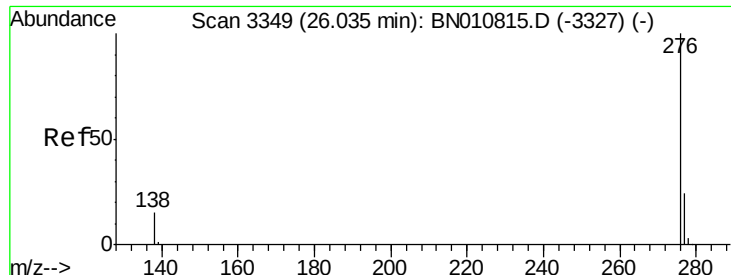


Abundance Ion 278.00 (277.70 to 278.70): E

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: 0.383 ng

RT: 26.01 min Scan# 3343

Delta R.T. -0.01 min

Lab File: BN010912.D

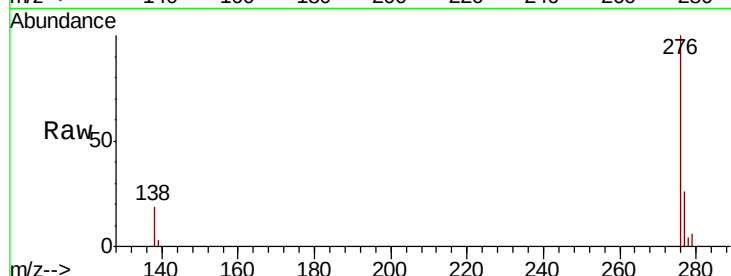
Acq: 16 Jun 2020 18:17

Instrument :

BNA_N

ClientSampleId :

PB129516BS



Tot Ion: 276 Resp: 12349

Ion Ratio Lower Upper

276 100

277 25.6 20.5 30.7

138 19.1 13.7 20.5

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

