

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN030920\
 Data File : BN010155.D
 Acq On : 09 Mar 2020 21:07
 Operator : CG/JU
 Sample : L1842-06
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :

Quant Time: Mar 09 22:12:48 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\8270-SIM-BN021920.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Feb 19 15:57:43 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.39	152	680	0.40	ng	-0.03
7) Naphthalene-d8	10.16	136	2200	0.40	ng	-0.01
13) Acenaphthene-d10	14.01	164	1642	0.40	ng	-0.04
19) Phenanthrene-d10	16.79	188	3344	0.40	ng	-0.02
27) Chrysene-d12	21.00	240	3495	0.40	ng	-0.03
34) Perylene-d12	23.10	264	3720	0.40	ng	-0.05

System Monitoring Compounds						
4) 2-Fluorophenol	5.06	112	278	0.18	ng	-0.02
5) Phenol-d6	6.67	99	46	0.03	ng	0.02
8) Nitrobenzene-d5	8.66	82	479	0.26	ng	0.06
11) 2-Methylnaphthalene-d10	11.77	152	1404	0.33	ng	-0.01
14) 2,4,6-Tribromophenol	15.56	330	303	0.48	ng	-0.02
15) 2-Fluorobiphenyl	12.65	172	2265	0.37	ng	-0.03
25) Fluoranthene-d10	18.83	212	4105	0.35	ng	-0.03
29) Terphenyl-d14	19.43	244	3935	0.47	ng	-0.04

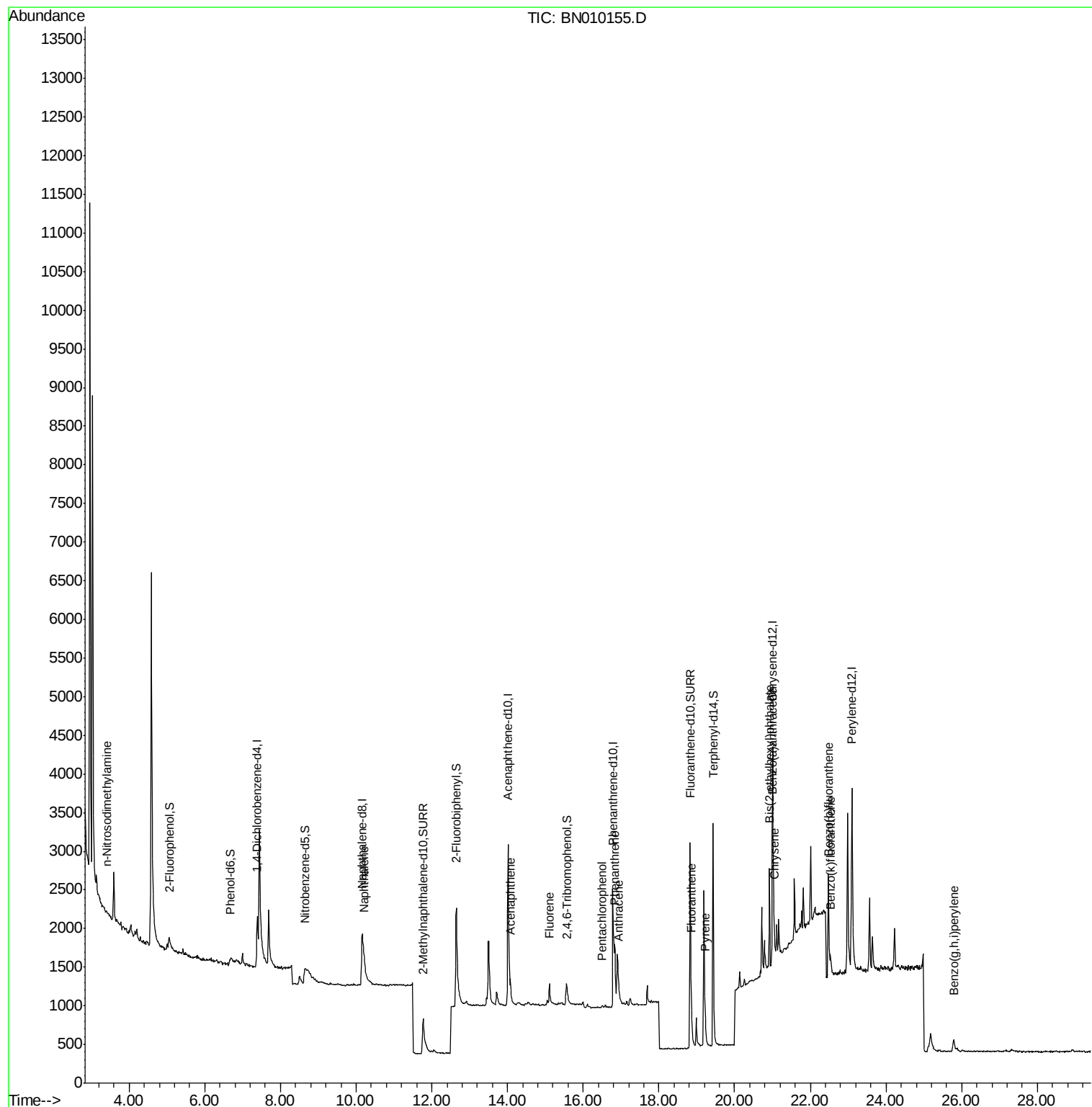
Target Compounds				Qvalue		
3) n-Nitrosodimethylamine	3.41	42	25	0.022	ng	# 15
9) Naphthalene	10.22	128	285	0.047	ng	# 16
17) Acenaphthene	14.08	154	177	0.036	ng	90
18) Fluorene	15.10	166	286	0.044	ng	98
20) 4-Bromophenyl-phenylether	16.01	248	164	Below Cal		# 81
22) Pentachlorophenol	16.50	266	22	0.210	ng	# 79
23) Phenanthrene	16.84	178	954	0.096	ng	99
24) Anthracene	16.94	178	281	0.033	ng	# 90
26) Fluoranthene	18.85	202	437	0.037	ng	# 90
28) Pvrene	19.22	202	401	0.030	ng	# 93
30) Benzo(a)anthracene	20.99	228	266	0.023	ng	# 61
31) Chrysene	21.05	228	396	0.030	ng	# 69
32) Bis(2-ethylhexyl)phthalate	20.92	149	1002	0.177	ng	100
35) Benzo(b)fluoranthene	22.49	252	568	0.042	ng	# 1
36) Benzo(k)fluoranthene	22.54	252	416	0.028	ng	# 1
39) Benzo(g,h,i)perylene	25.79	276	372	0.029	ng	# 35

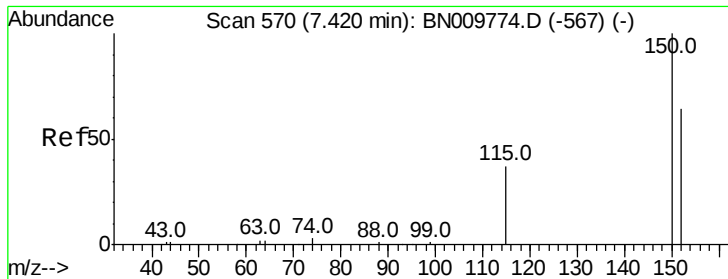
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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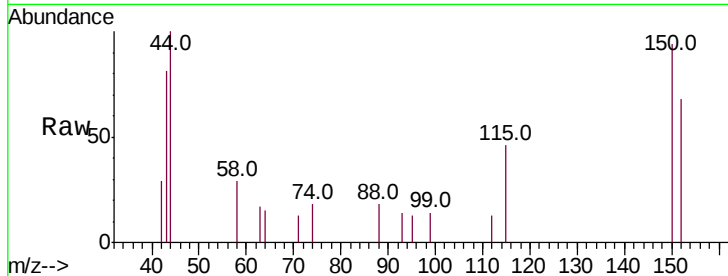


#1

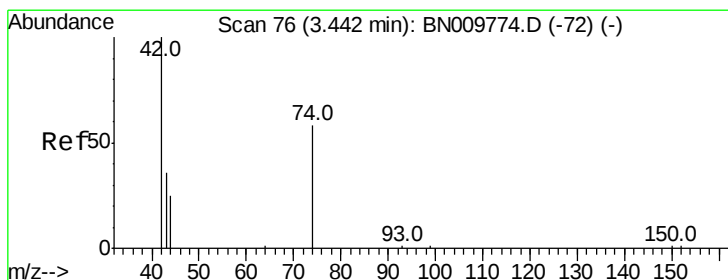
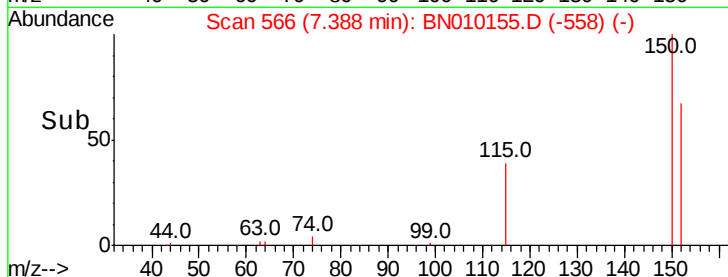
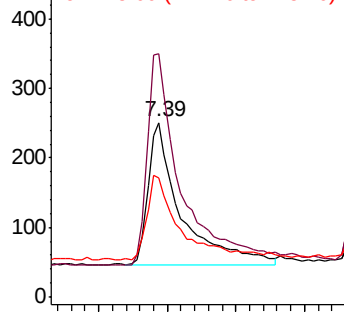
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.39 min Scan# 566
Delta R.T. -0.03 min
Lab File: BN010155.D
Acq: 09 Mar 2020 21:07

Instrument :
BNA_N
ClientSampleId :

Tot Ion:152 Resp: 680
Ion Ratio Lower Upper
152 100
150 139.4 120.6 181.0
115 68.1 51.2 76.8



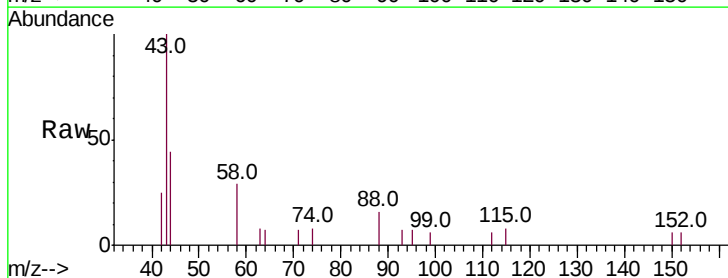
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



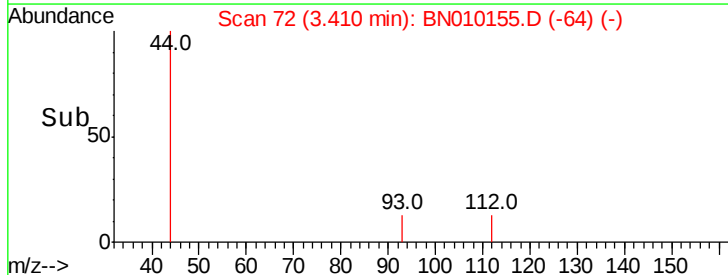
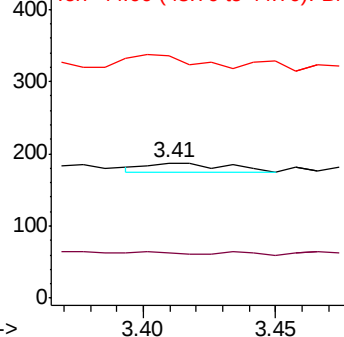
#3

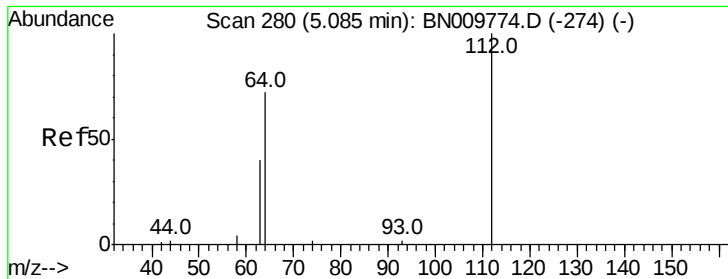
n-Nitrosodimethylamine
Concen: 0.022 ng
RT: 3.41 min Scan# 72
Delta R.T. -0.03 min
Lab File: BN010155.D
Acq: 09 Mar 2020 21:07

Tgt Ion: 42 Resp: 25
Ion Ratio Lower Upper
42 100
74 8.0 51.2 76.8#
44 120.0 2.6 4.0#



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





#4

2-Fluorophenol

Concen: 0.184 ng

RT: 5.06 min Scan# 277

Delta R.T. -0.02 min

Lab File: BN010155.D

Acq: 09 Mar 2020 21:07

Instrument :

BNA_N

ClientSampleId :

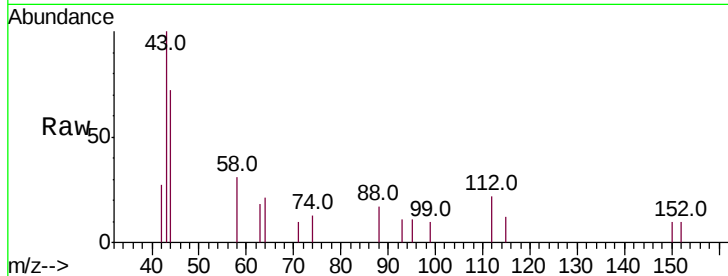
Tot Ion:112 Resp: 278

Ion Ratio Lower Upper

112 100

64 71.2 65.8 98.6

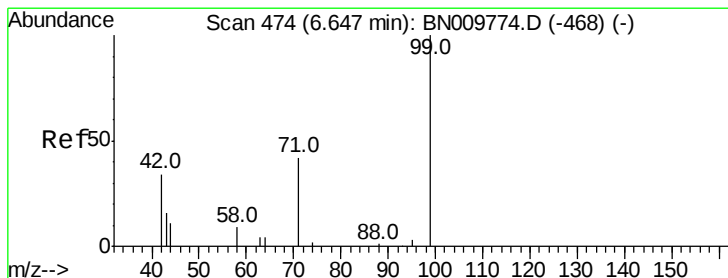
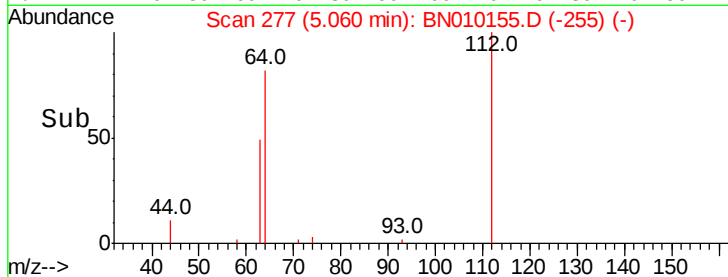
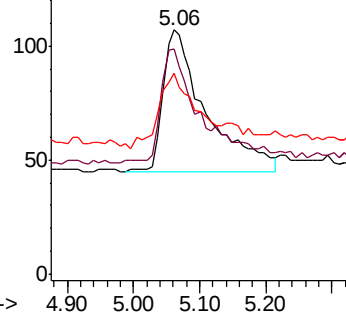
63 47.8 38.7 58.1



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: 0.025 ng

RT: 6.67 min Scan# 477

Delta R.T. 0.02 min

Lab File: BN010155.D

Acq: 09 Mar 2020 21:07

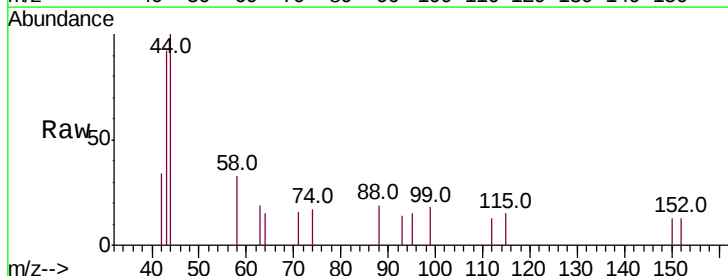
Tgt Ion: 99 Resp: 46

Ion Ratio Lower Upper

99 100

42 30.4 30.8 46.2#

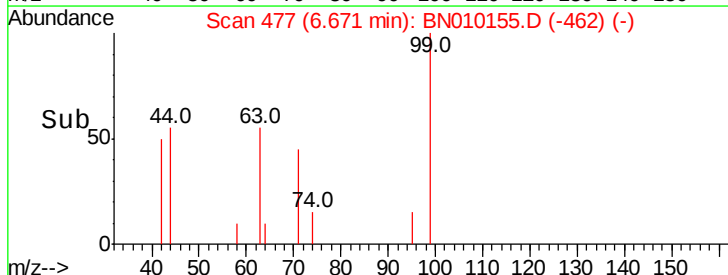
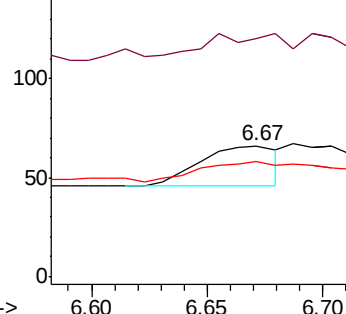
71 80.4 34.9 52.3#

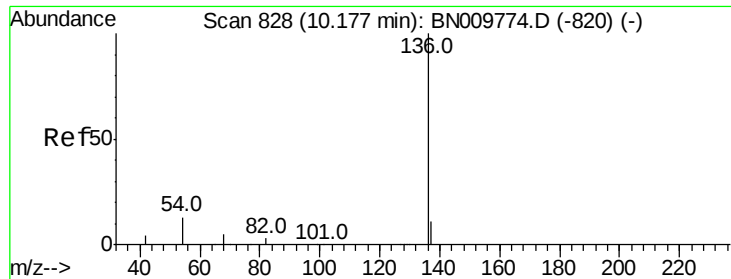


Abundance Ion 99.00 (98.70 to 99.70): BN0

Ion 42.00 (41.70 to 42.70): BN0

Ion 71.00 (70.70 to 71.70): BN0





#7

Naphthalene-d8

Concen: 0.400 ng

RT: 10.16 min Scan# 827

Delta R.T. -0.01 min

Lab File: BN010155.D

Acq: 09 Mar 2020 21:07

Instrument :

BNA_N

ClientSampleId :

Tot Ion:136 Resp: 2200

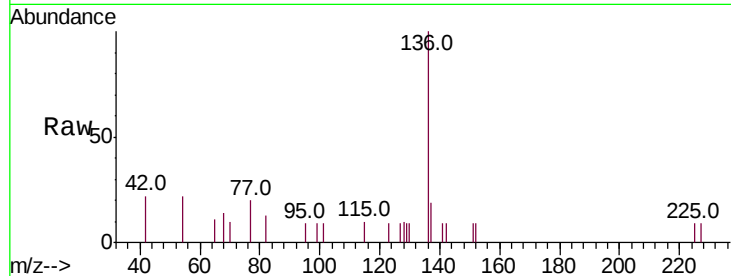
Ion Ratio Lower Upper

136 100

137 18.5 11.3 16.9#

54 22.3 13.4 20.2#

68 14.2 7.0 10.4#

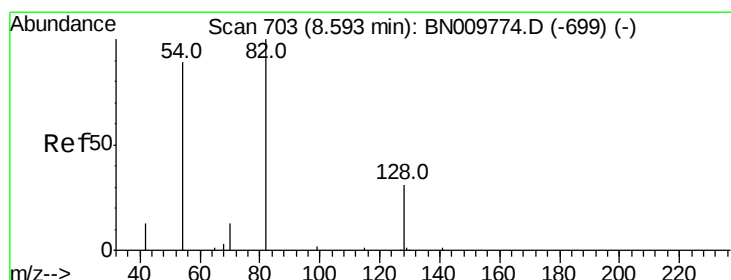
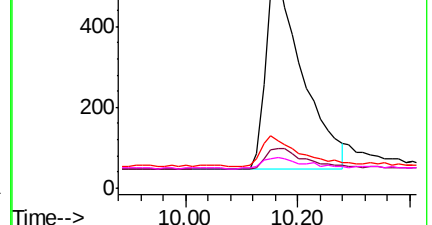
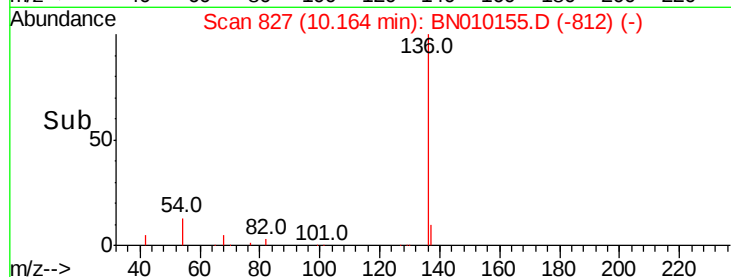


Abundance Ion 136.00 (135.70 to 136.70): E

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: 0.262 ng

RT: 8.66 min Scan# 708

Delta R.T. 0.06 min

Lab File: BN010155.D

Acq: 09 Mar 2020 21:07

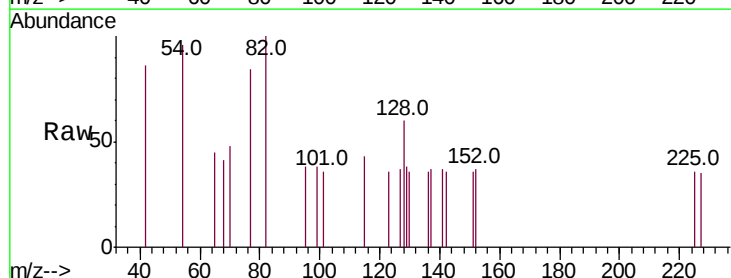
Tgt Ion: 82 Resp: 479

Ion Ratio Lower Upper

82 100

128 59.7 32.5 48.7#

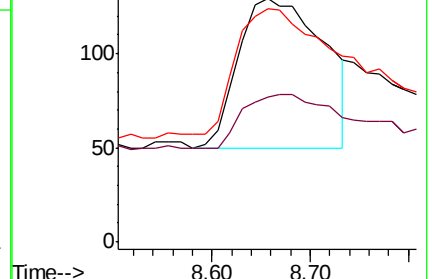
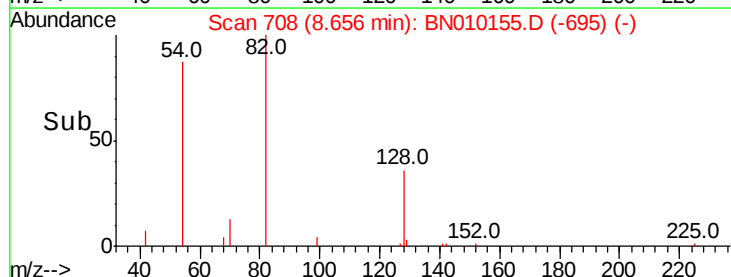
54 96.1 73.5 110.3

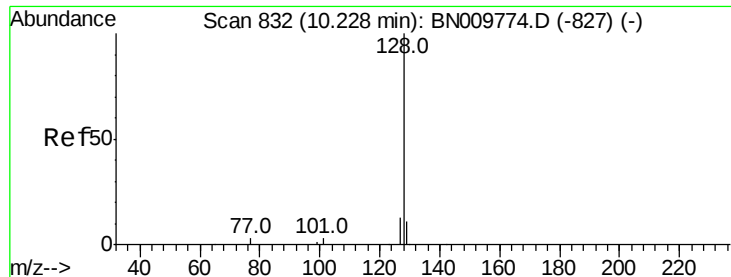


Abundance Ion 82.00 (81.70 to 82.70): BNC

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BNC





#9

Naphthalene

Concen: 0.047 ng

RT: 10.22 min Scan# 831

Delta R.T. -0.01 min

Lab File: BN010155.D

Acq: 09 Mar 2020 21:07

Instrument :

BNA_N

ClientSampled :

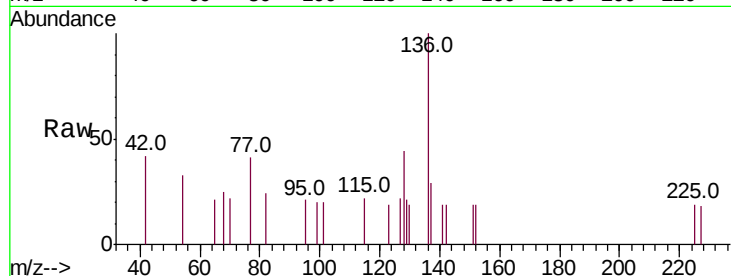
Tot Ion:128 Resp: 285

Ion Ratio Lower Upper

128 100

129 49.1 11.1 16.7#

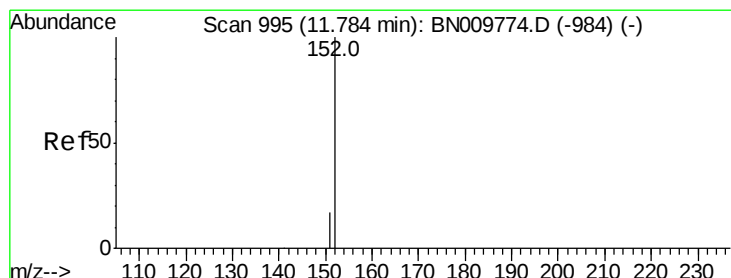
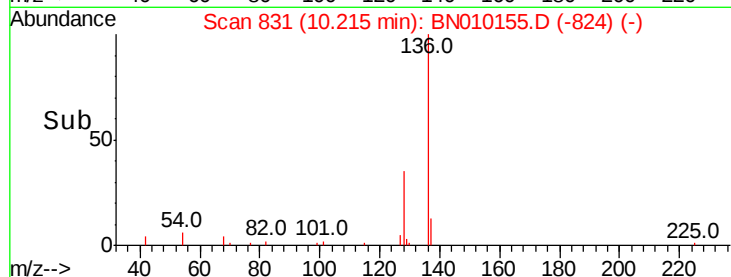
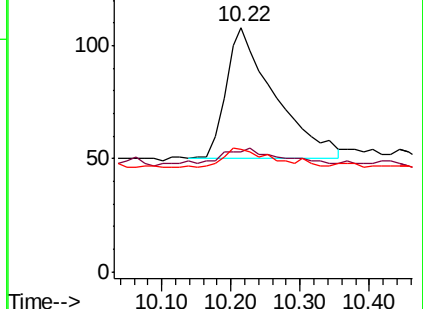
127 50.0 12.6 19.0#



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



#11

2-Methylnaphthalene-d10

Concen: 0.330 ng

RT: 11.77 min Scan# 992

Delta R.T. -0.01 min

Lab File: BN010155.D

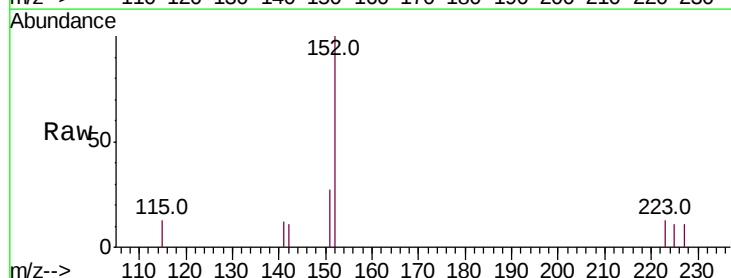
Acq: 09 Mar 2020 21:07

Tgt Ion:152 Resp: 1404

Ion Ratio Lower Upper

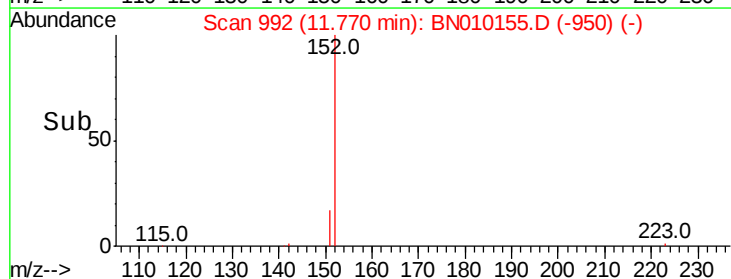
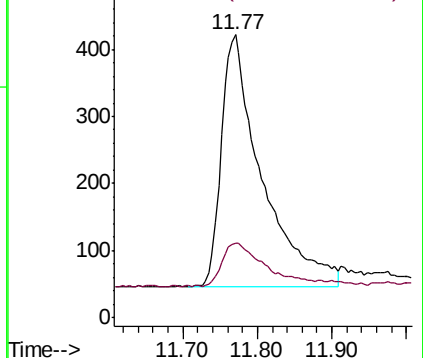
152 100

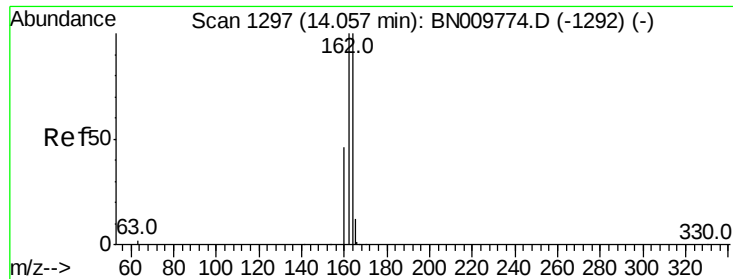
151 18.3 15.1 22.7



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E





#13

Acenaphthene-d10

Concen: 0.400 ng

RT: 14.01 min Scan# 1293

Delta R.T. -0.04 min

Lab File: BN010155.D

Acq: 09 Mar 2020 21:07

Instrument :

BNA_N

ClientSampled :

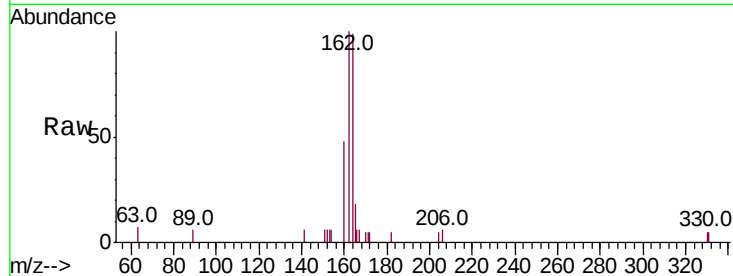
Tot Ion:164 Resp: 1642

Ion Ratio Lower Upper

164 100

162 100.6 79.9 119.9

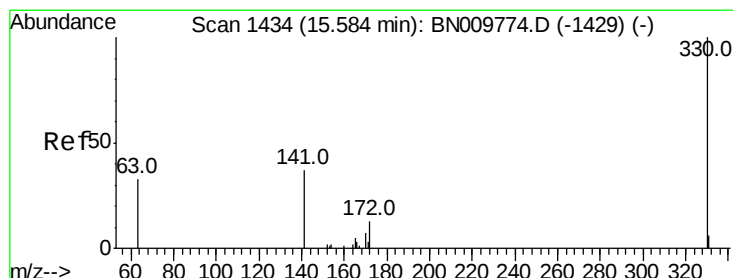
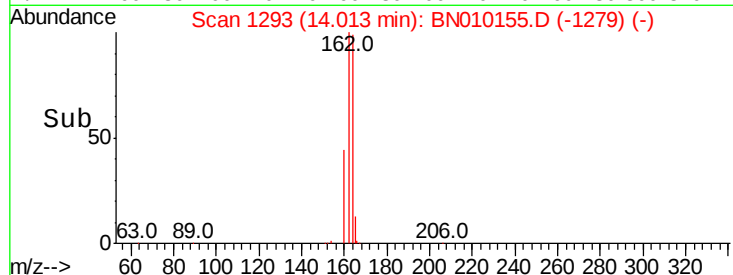
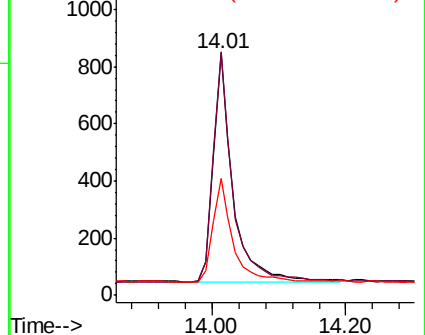
160 48.2 38.2 57.2



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: 0.479 ng

RT: 15.56 min Scan# 1432

Delta R.T. -0.02 min

Lab File: BN010155.D

Acq: 09 Mar 2020 21:07

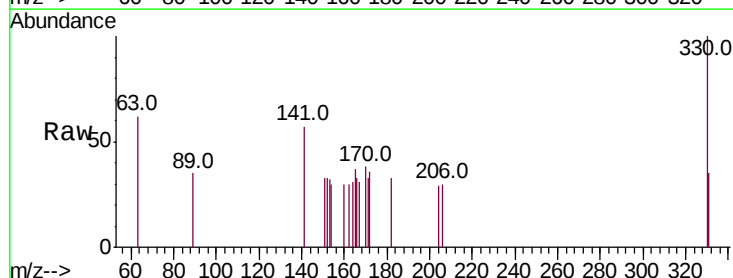
Tgt Ion:330 Resp: 303

Ion Ratio Lower Upper

330 100

332 0.0 0.0 0.0

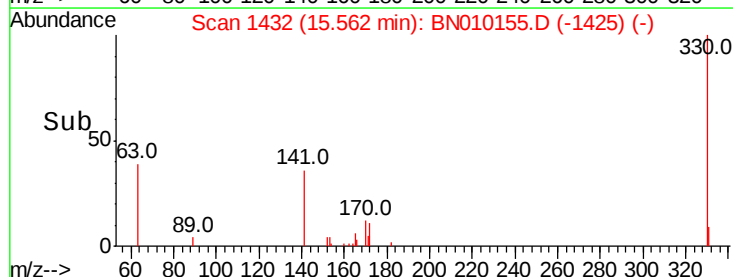
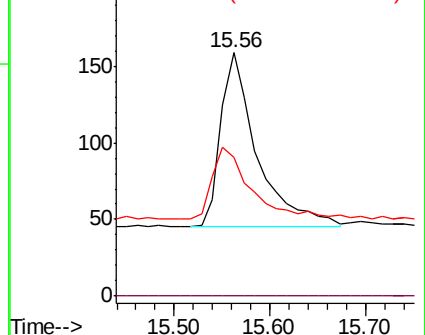
141 44.9 36.8 55.2

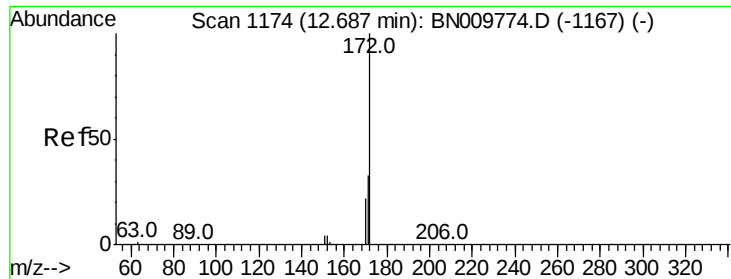


Abundance Ion 330.00 (329.70 to 330.70): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

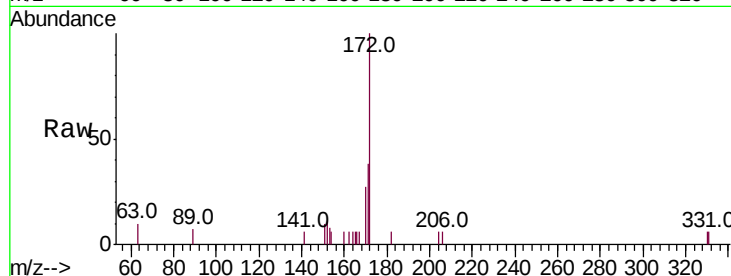




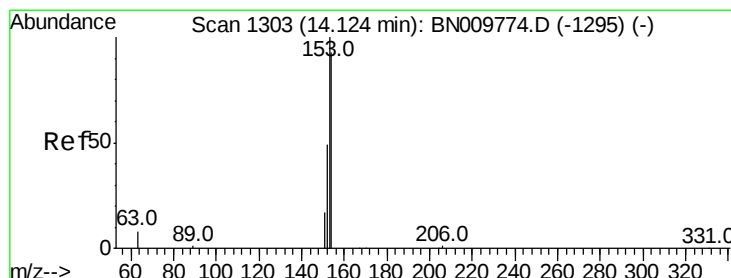
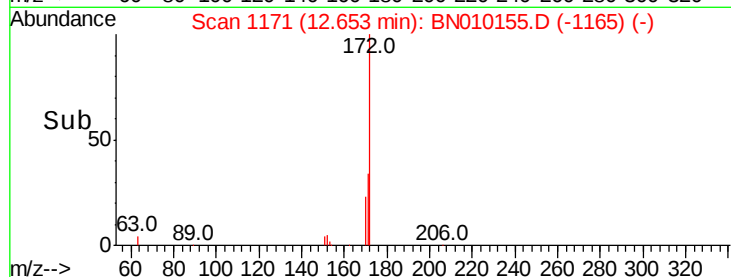
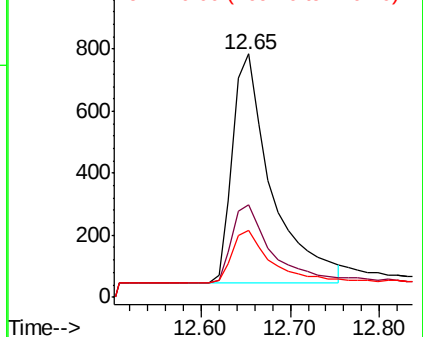
#15
2-Fluorobiphenyl
Concen: 0.365 ng
RT: 12.65 min Scan# 1171
Delta R.T. -0.03 min
Lab File: BN010155.D
Acq: 09 Mar 2020 21:07

Instrument :
BNA_N
ClientSampled :

Tot Ion	Ratio	Lower	Upper
172	100		
171	38.1	28.7	43.1
170	27.4	20.1	30.1

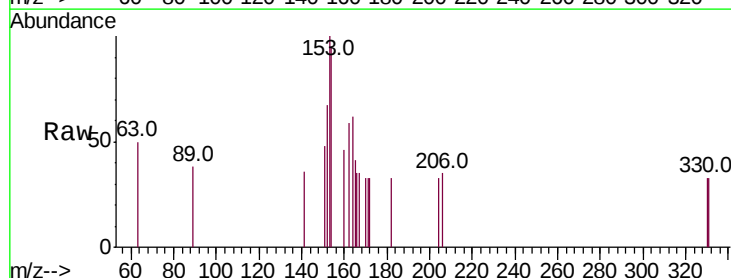


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

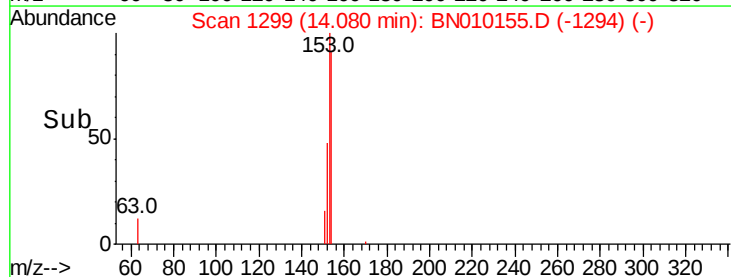
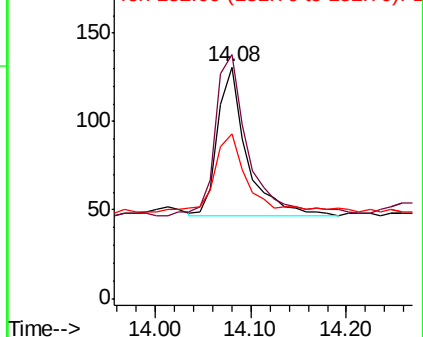


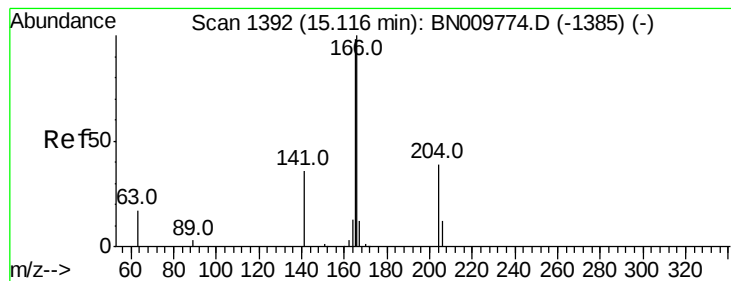
#17
Acenaphthene
Concen: 0.036 ng
RT: 14.08 min Scan# 1299
Delta R.T. -0.04 min
Lab File: BN010155.D
Acq: 09 Mar 2020 21:07

Tgt Ion	Ratio	Lower	Upper
154	100		
153	123.7	88.9	133.3
152	59.3	44.2	66.2



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: 0.044 ng

RT: 15.10 min Scan# 1391

Delta R.T. -0.01 min

Lab File: BN010155.D

Acq: 09 Mar 2020 21:07

Instrument :

BNA_N

ClientSampleId :

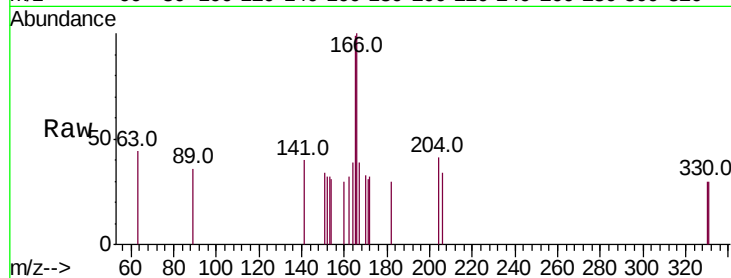
Tot Ion:166 Resp: 286

Ion Ratio Lower Upper

166 100

165 98.3 77.2 115.8

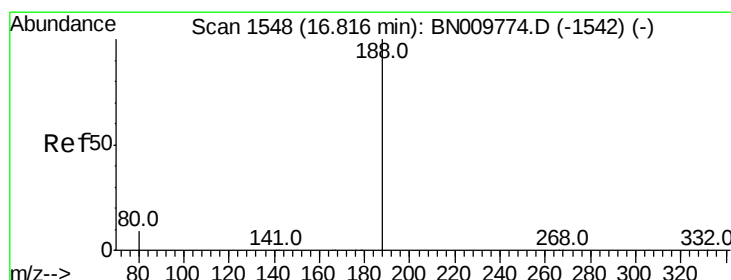
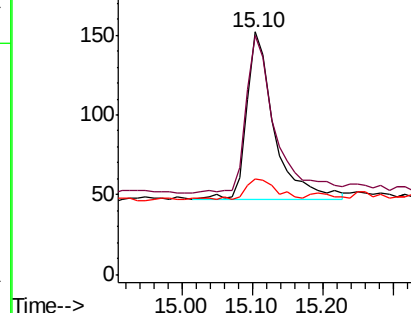
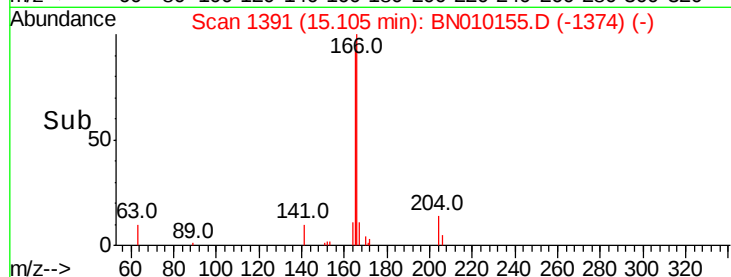
167 13.6 10.5 15.7



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: 16.79 min Scan# 1546

Delta R.T. -0.02 min

Lab File: BN010155.D

Acq: 09 Mar 2020 21:07

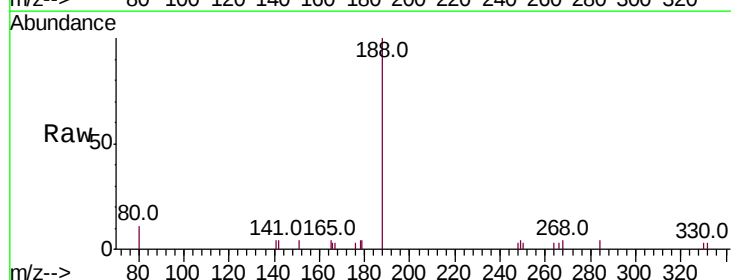
Tgt Ion:188 Resp: 3344

Ion Ratio Lower Upper

188 100

94 0.0 0.0 0.0

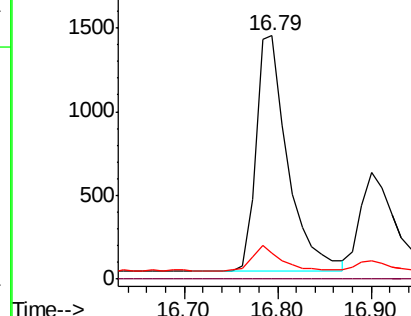
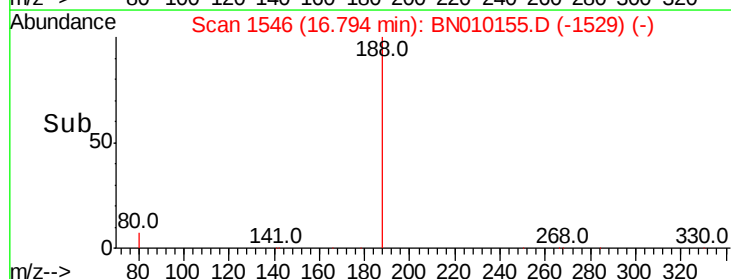
80 10.7 8.3 12.5

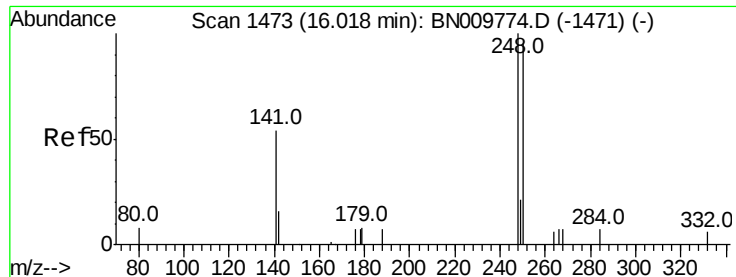


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BNC

Ion 80.00 (79.70 to 80.70): BNC





#20

4-Bromophenyl-phenylether

Concen: Below Cal

RT: 16.01 min Scan# 1472

Delta R.T. -0.01 min

Lab File: BN010155.D

Acq: 09 Mar 2020 21:07

Instrument :

BNA_N

ClientSampled :

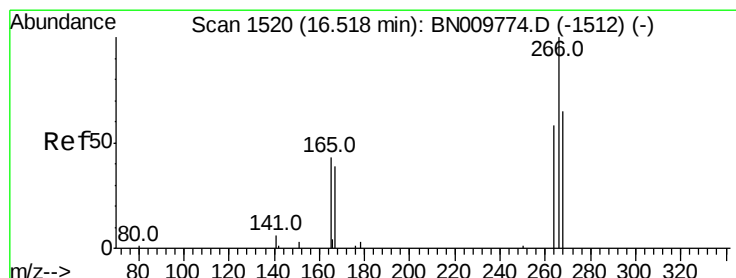
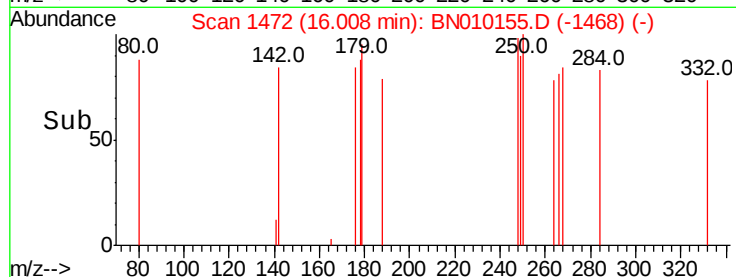
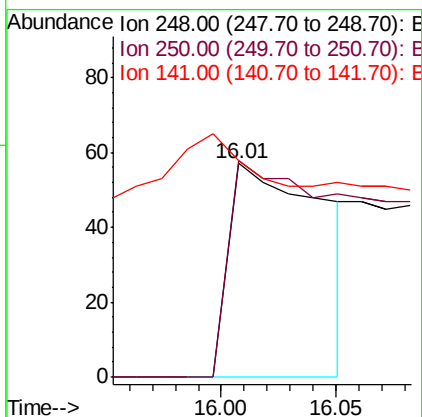
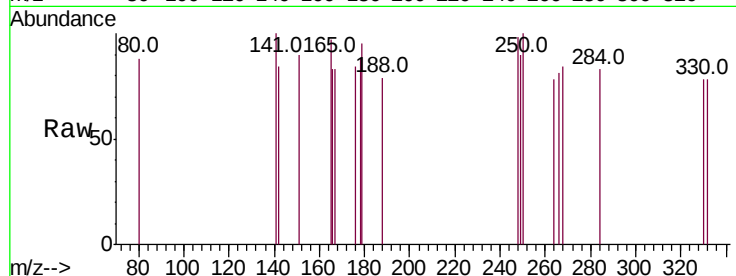
Tot Ion:248 Resp: 164

Ion Ratio Lower Upper

248 100

250 101.8 76.2 114.4

141 101.8 57.8 86.6#



#22

Pentachlorophenol

Concen: 0.210 ng

RT: 16.50 min Scan# 1518

Delta R.T. -0.02 min

Lab File: BN010155.D

Acq: 09 Mar 2020 21:07

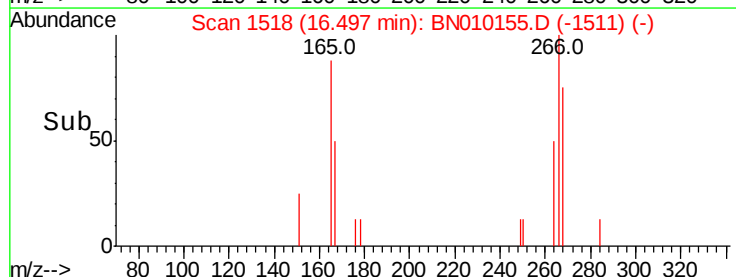
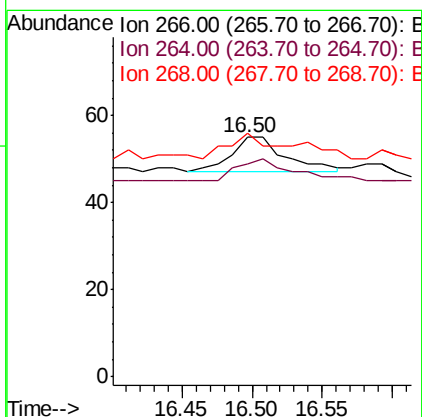
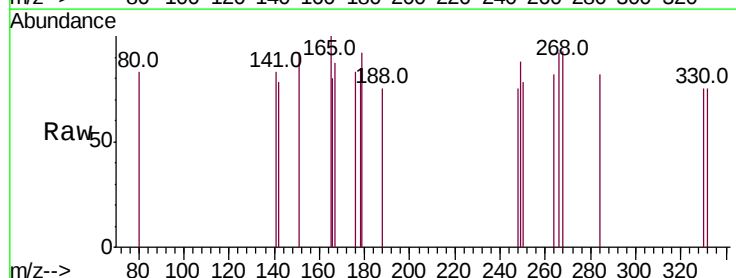
Tgt Ion:266 Resp: 22

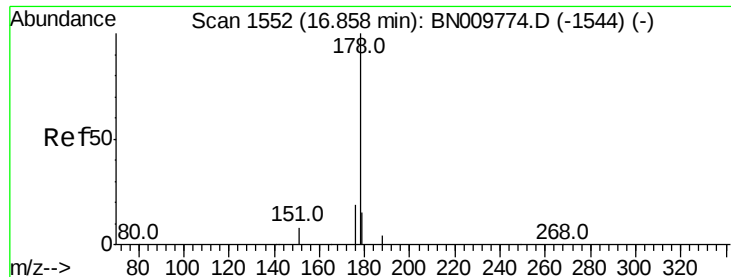
Ion Ratio Lower Upper

266 100

264 89.1 58.1 87.1#

268 101.8 65.7 98.5#





#23

Phenanthrene

Concen: 0.096 ng

RT: 16.84 min Scan# 1550

Delta R.T. -0.02 min

Lab File: BN010155.D

Acq: 09 Mar 2020 21:07

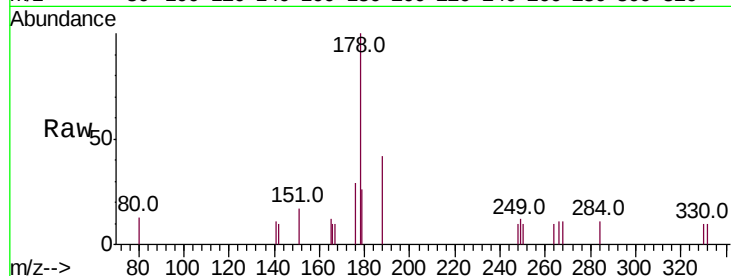
Instrument :

BNA_N

ClientSampleId :

Tot Ion:178 Resp: 954

Ion	Ratio	Lower	Upper
178	100		
176	19.5	15.3	22.9
179	16.2	12.4	18.6



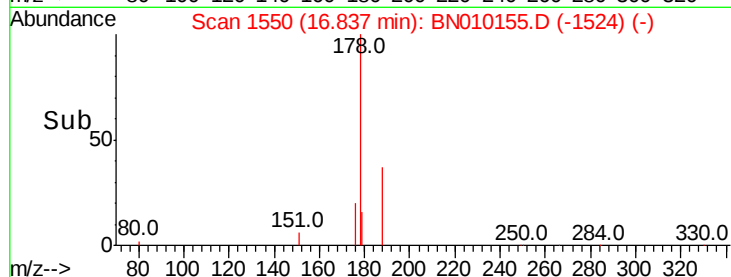
Abundance

Ion 178.00 (177.70 to 178.70): E

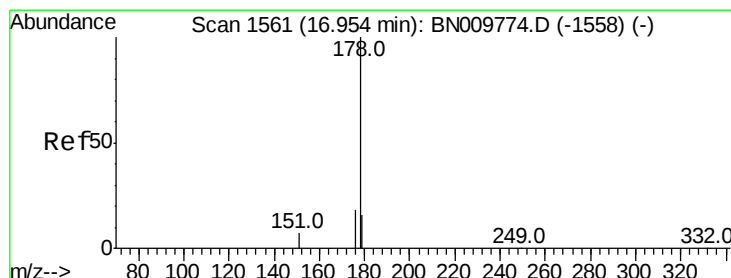
Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E

16.84



Time--> 16.70 16.80 16.90



#24

Anthracene

Concen: 0.033 ng

RT: 16.94 min Scan# 1560

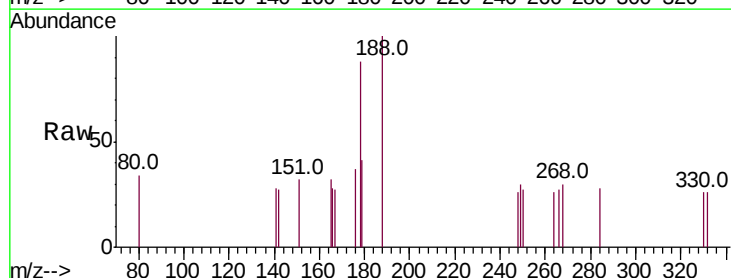
Delta R.T. -0.01 min

Lab File: BN010155.D

Acq: 09 Mar 2020 21:07

Tgt Ion:178 Resp: 281

Ion	Ratio	Lower	Upper
178	100		
176	12.1	14.3	21.5#
179	17.8	12.4	18.6



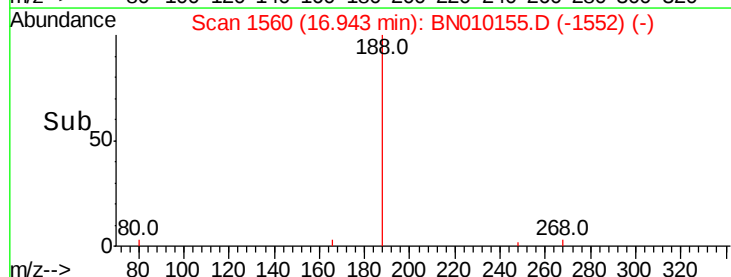
Abundance

Ion 178.00 (177.70 to 178.70): E

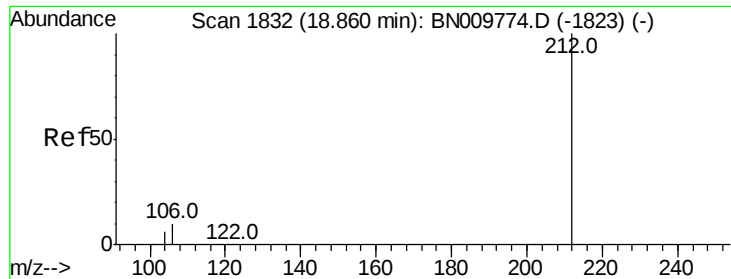
Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E

16.94



Time--> 16.90 17.00 17.10



#25

Fluoranthene-d10

Concen: 0.355 ng

RT: 18.83 min Scan# 1825

Delta R.T. -0.03 min

Lab File: BN010155.D

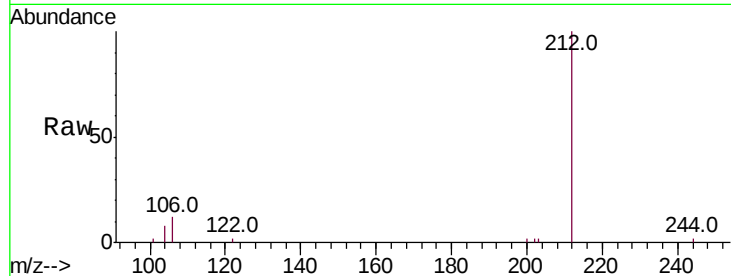
Acq: 09 Mar 2020 21:07

Instrument :

BNA_N

ClientSampleId :

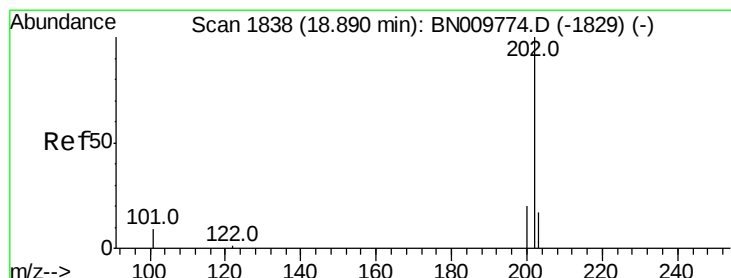
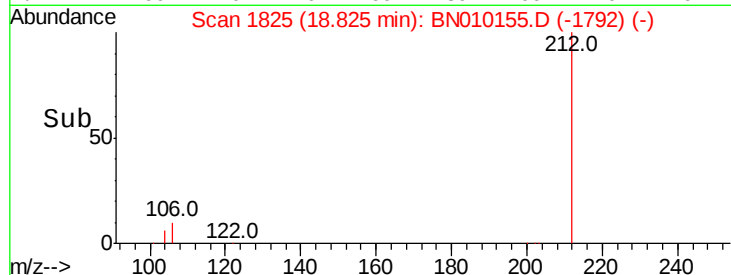
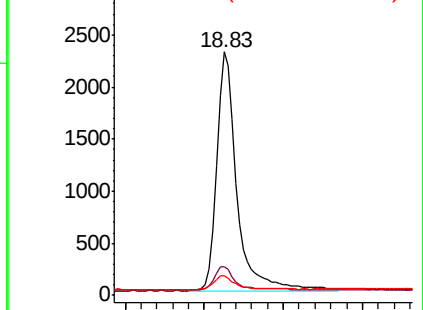
Tot Ion:212	Resp:	4105
Ion Ratio	Lower	Upper
212	100	
106	10.4	8.4 12.6
104	6.4	4.8 7.2



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: 0.037 ng

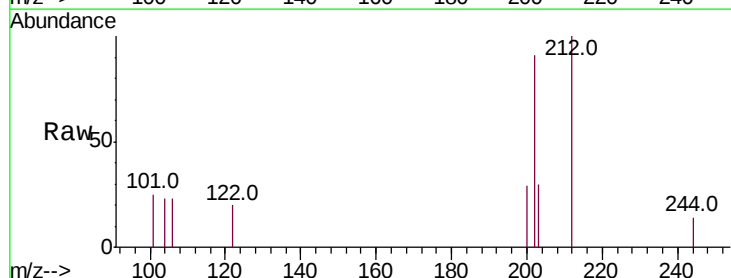
RT: 18.85 min Scan# 1831

Delta R.T. -0.03 min

Lab File: BN010155.D

Acq: 09 Mar 2020 21:07

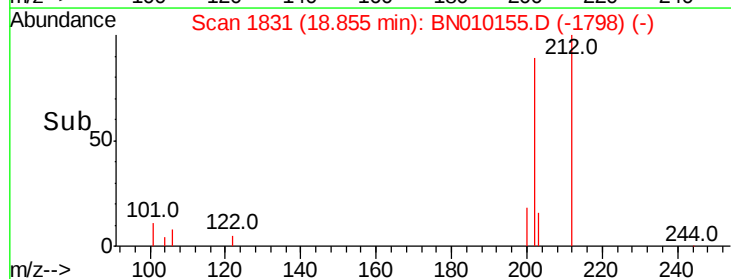
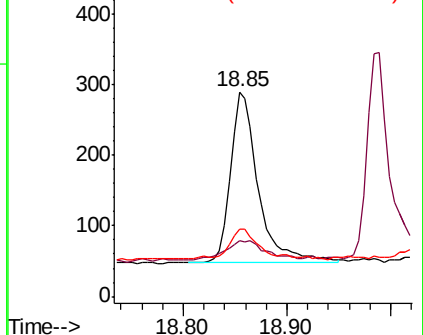
Tgt Ion:202	Resp:	437
Ion Ratio	Lower	Upper
202	100	
101	17.6	7.1 10.7#
203	16.0	13.8 20.6

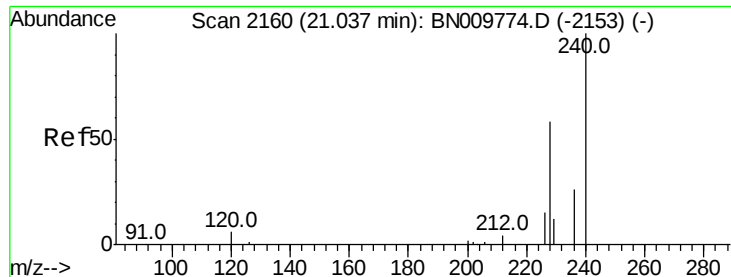


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E

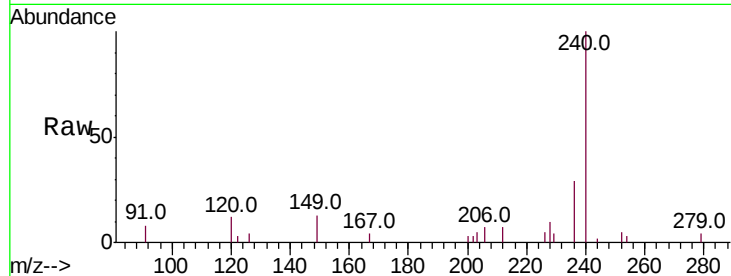




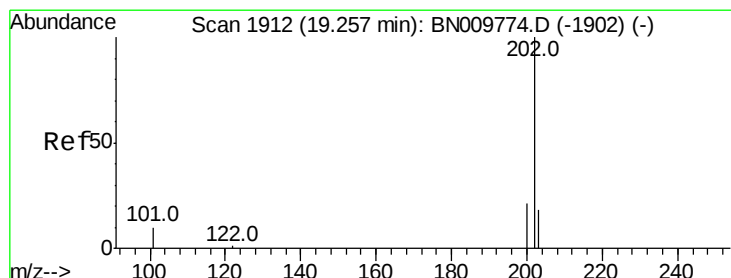
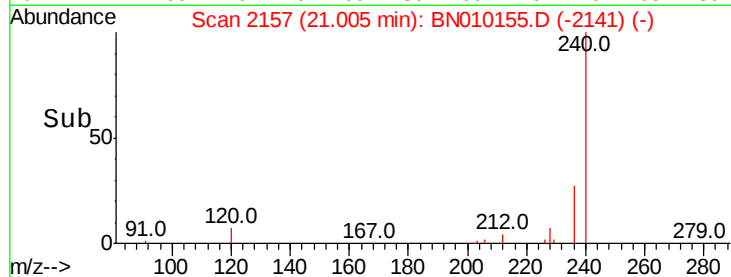
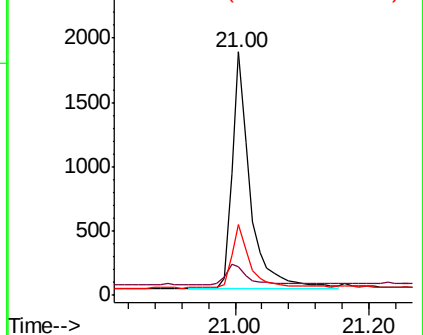
#27
Chrysene-d12
Concen: 0.400 ng
RT: 21.00 min Scan# 2157
Delta R.T. -0.03 min
Lab File: BN010155.D
Acq: 09 Mar 2020 21:07

Instrument :
BNA_N
ClientSampleId :

Tot Ion:240 Resp: 3495
Ion Ratio Lower Upper
240 100
120 11.6 7.9 11.9
236 29.1 22.0 33.0

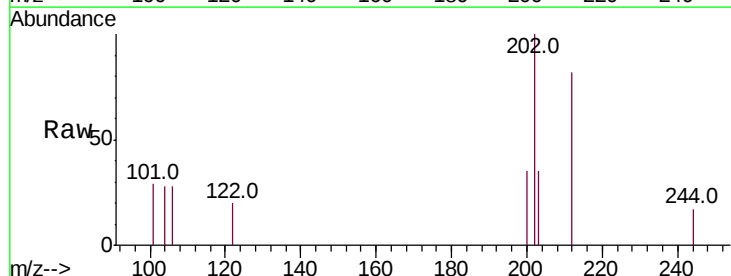


Abundance Ion 240.00 (239.70 to 240.70): E
Ion 120.00 (119.70 to 120.70): E
Ion 236.00 (235.70 to 236.70): E

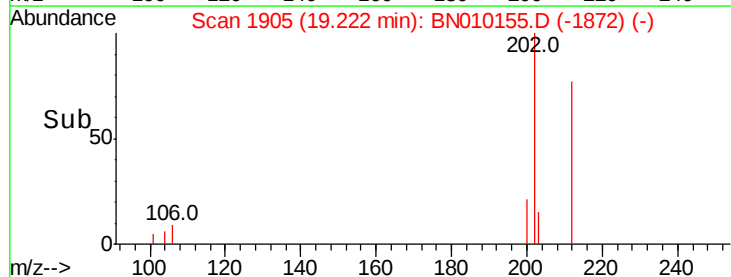
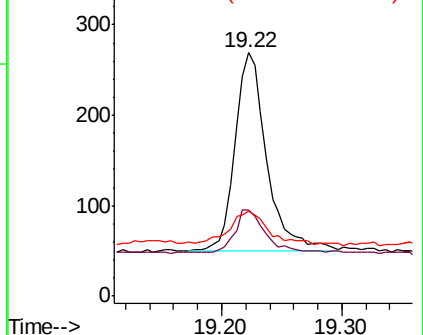


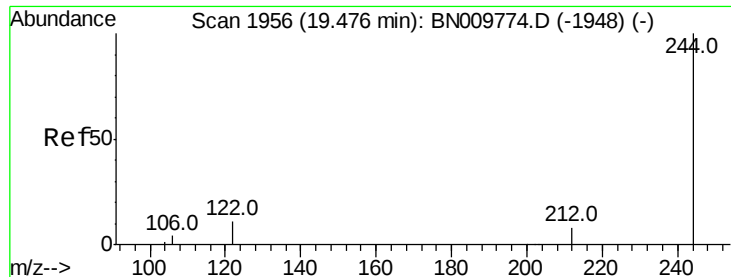
#28
Pyrene
Concen: 0.030 ng
RT: 19.22 min Scan# 1905
Delta R.T. -0.03 min
Lab File: BN010155.D
Acq: 09 Mar 2020 21:07

Tgt Ion:202 Resp: 401
Ion Ratio Lower Upper
202 100
200 22.2 16.4 24.6
203 22.4 13.9 20.9#



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: 0.471 ng

RT: 19.43 min Scan# 1947

Delta R.T. -0.04 min

Lab File: BN010155.D

Acq: 09 Mar 2020 21:07

Instrument :

BNA_N

ClientSampleId :

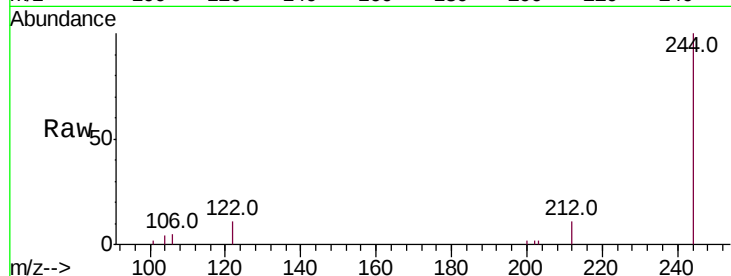
Tot Ion:244 Resp: 3935

Ion Ratio Lower Upper

244 100

212 10.6 8.0 12.0

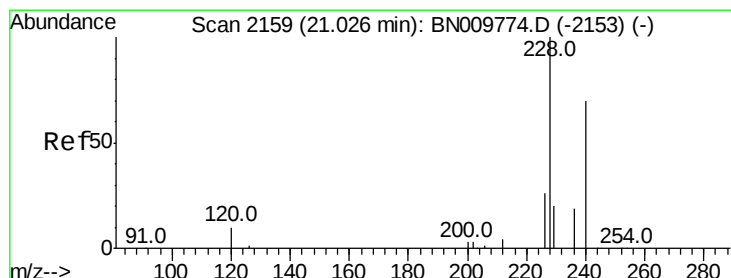
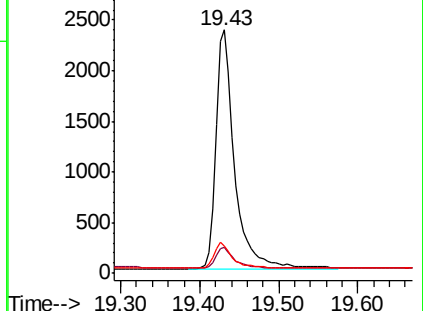
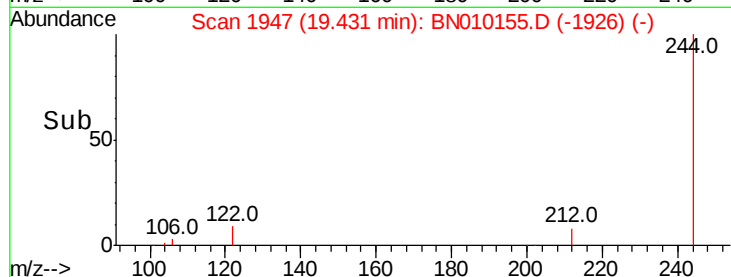
122 11.2 10.0 15.0



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: 0.023 ng

RT: 20.99 min Scan# 2156

Delta R.T. -0.03 min

Lab File: BN010155.D

Acq: 09 Mar 2020 21:07

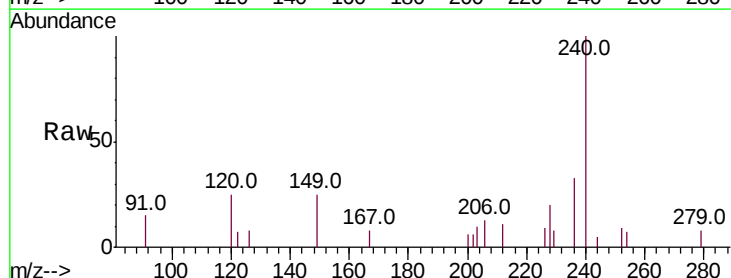
Tgt Ion:228 Resp: 266

Ion Ratio Lower Upper

228 100

226 46.5 21.8 32.8#

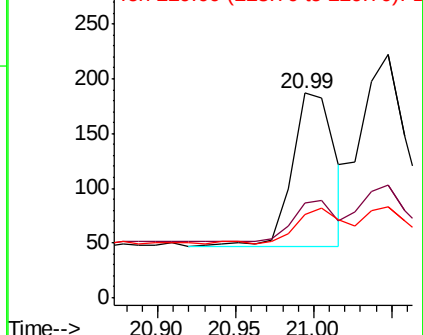
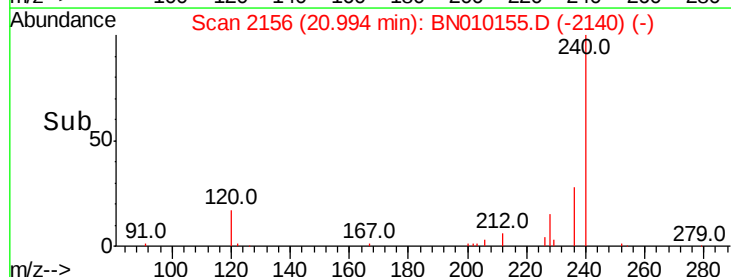
229 40.6 17.1 25.7#

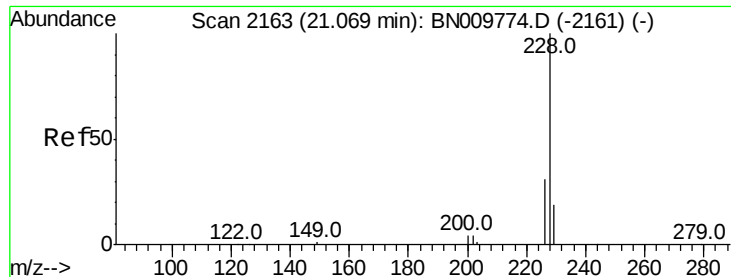


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#31

Chrysene

Concen: 0.030 ng

RT: 21.05 min Scan# 2161

Delta R.T. -0.02 min

Lab File: BN010155.D

Acq: 09 Mar 2020 21:07

Instrument :

BNA_N

ClientSampled :

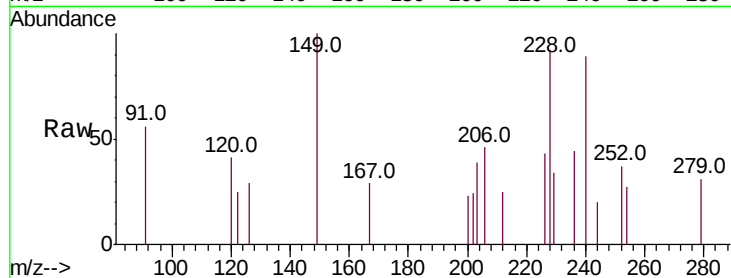
Tot Ion:228 Resp: 396

Ion Ratio Lower Upper

228 100

226 46.4 24.8 37.2#

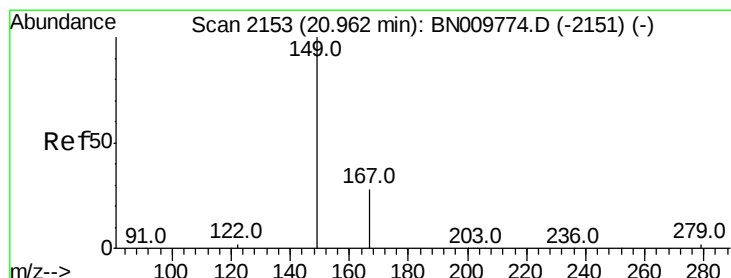
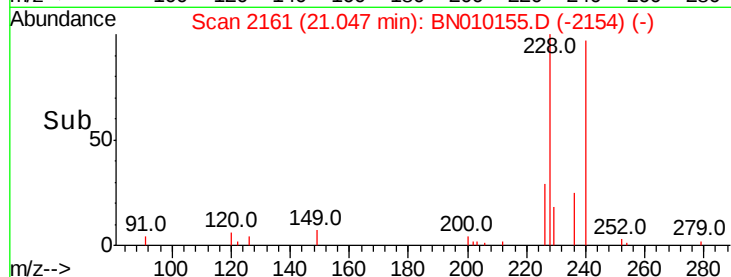
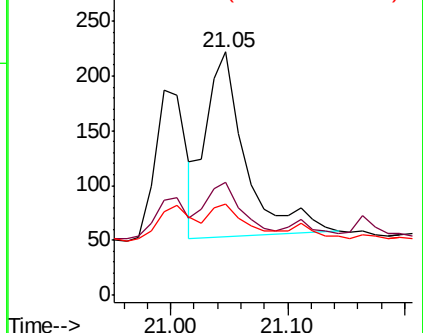
229 37.4 16.4 24.6#



Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#32

Bis(2-ethylhexyl)phthalate

Concen: 0.177 ng

RT: 20.92 min Scan# 2149

Delta R.T. -0.04 min

Lab File: BN010155.D

Acq: 09 Mar 2020 21:07

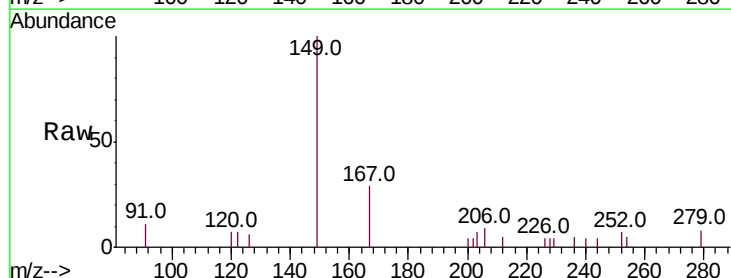
Tgt Ion:149 Resp: 1002

Ion Ratio Lower Upper

149 100

167 28.2 22.7 34.1

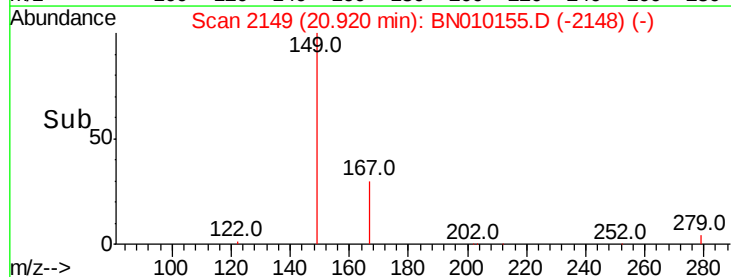
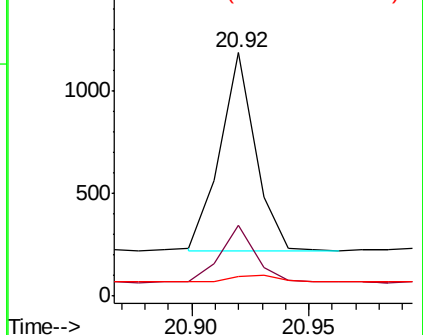
279 4.5 3.1 4.7

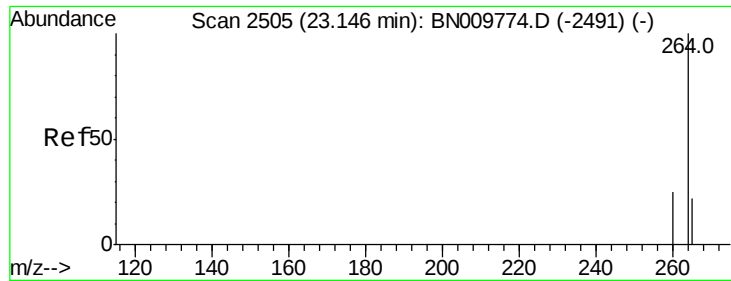


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E

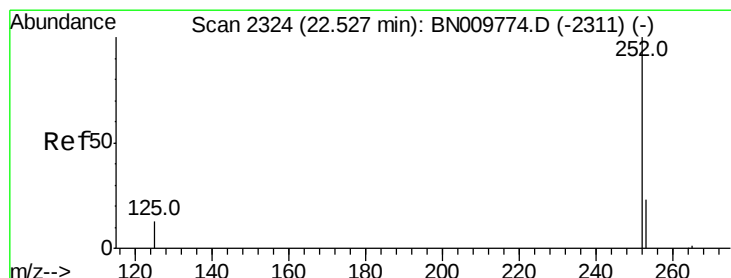
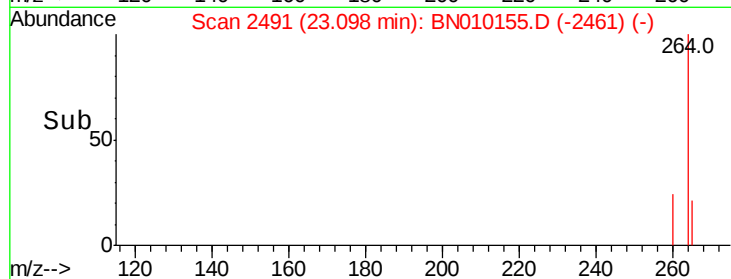
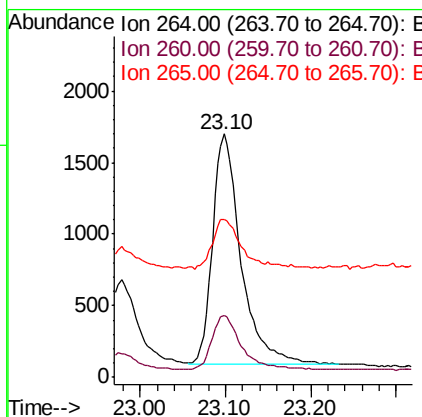
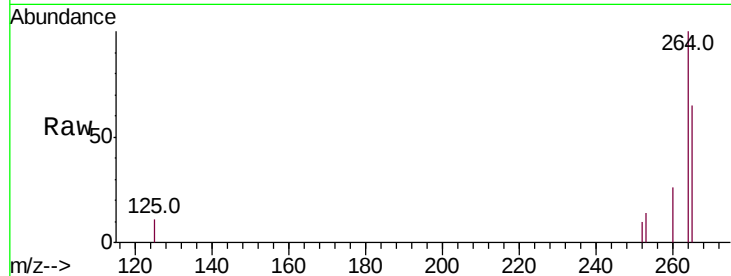




#34
Pervlene-d12
Concen: 0.400 ng
RT: 23.10 min Scan# 2491
Delta R.T. -0.05 min
Lab File: BN010155.D
Acq: 09 Mar 2020 21:07

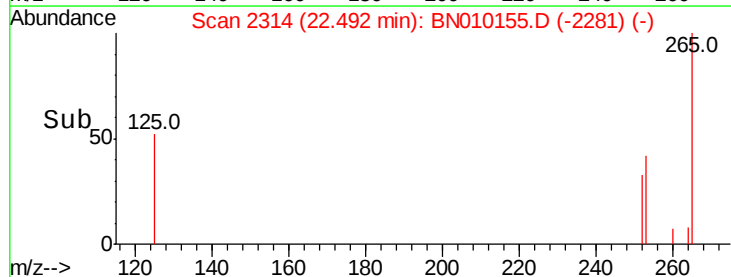
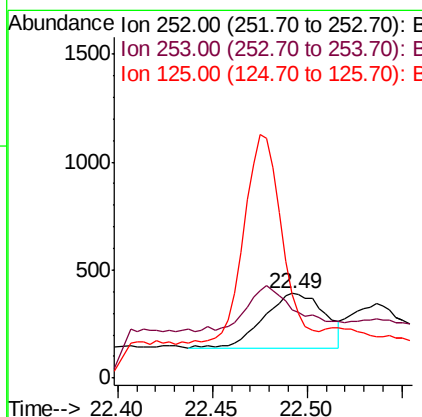
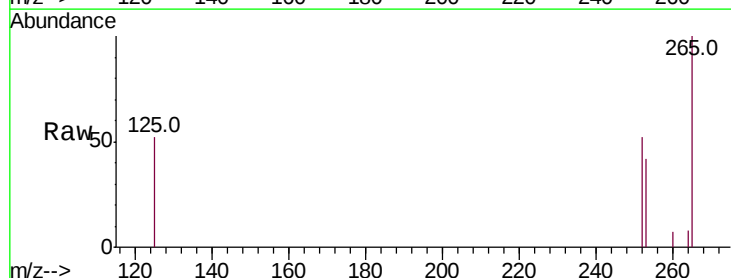
Instrument :
BNA_N
ClientSampleId :

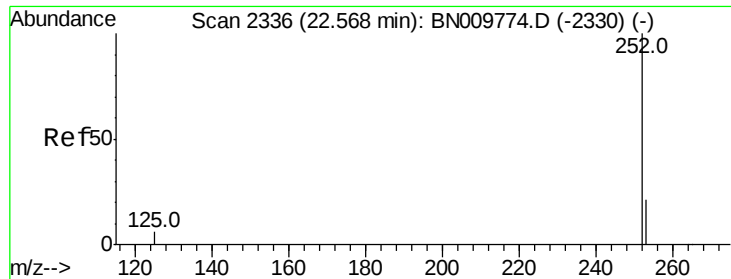
Tot Ion:264 Resp: 3720
Ion Ratio Lower Upper
264 100
260 25.6 21.1 31.7
265 64.7 57.5 86.3



#35
Benzo(b)fluoranthene
Concen: 0.042 ng
RT: 22.49 min Scan# 2314
Delta R.T. -0.03 min
Lab File: BN010155.D
Acq: 09 Mar 2020 21:07

Tgt Ion:252 Resp: 568
Ion Ratio Lower Upper
252 100
253 81.3 23.0 34.6#
125 99.2 14.4 21.6#





#36

Benzo(k)fluoranthene

Concen: 0.028 ng

RT: 22.54 min Scan# 2327

Delta R.T. -0.03 min

Lab File: BN010155.D

Acq: 09 Mar 2020 21:07

Instrument :

BNA_N

ClientSampleId :

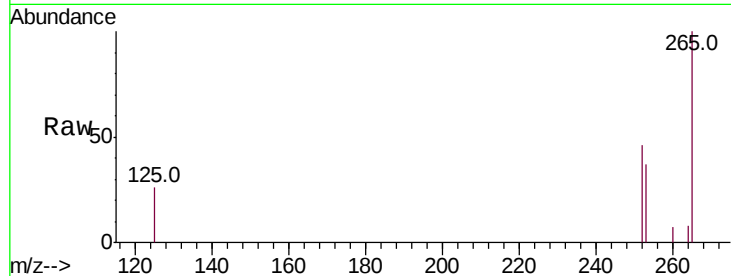
Tot Ion:252 Resp: 416

Ion Ratio Lower Upper

252 100

253 80.3 22.2 33.2#

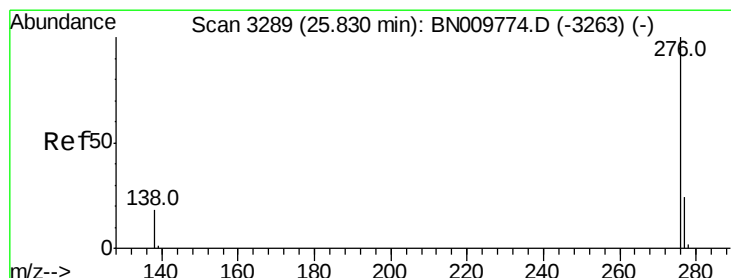
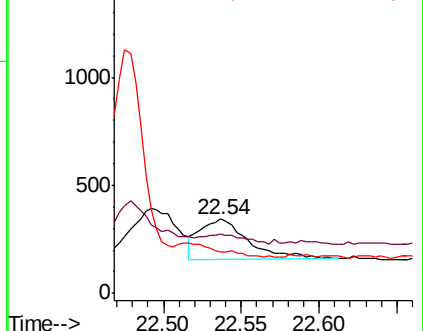
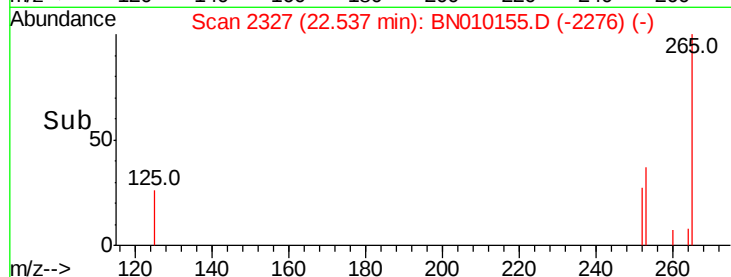
125 55.4 10.5 15.7#



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



#39

Benzo(g,h,i)perylene

Concen: 0.029 ng

RT: 25.79 min Scan# 3277

Delta R.T. -0.04 min

Lab File: BN010155.D

Acq: 09 Mar 2020 21:07

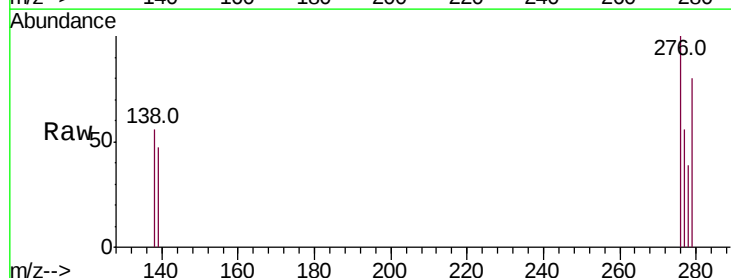
Tgt Ion:276 Resp: 372

Ion Ratio Lower Upper

276 100

277 56.1 21.4 32.0#

138 56.1 16.6 24.8#



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

