

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN031020\
 Data File : BN010171.D
 Acq On : 10 Mar 2020 21:52
 Operator : CG/JU
 Sample : L1842-10
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 RE132D7-20200304

Quant Time: Mar 11 03:23:16 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	7.37	152	755	0.40	ng	-0.05
7) Naphthalene-d8	10.14	136	2493	0.40	ng	-0.04
13) Acenaphthene-d10	14.00	164	1683	0.40	ng	-0.06
19) Phenanthrene-d10	16.78	188	3390	0.40	ng	-0.03
27) Chrysene-d12	20.99	240	3988	0.40	ng	-0.04
34) Perylene-d12	23.09	264	4289	0.40	ng	-0.05

System Monitoring Compounds						
4) 2-Fluorophenol	5.05	112	130	0.08	ng	-0.03
5) Phenol-d6	6.61	99	117	0.06	ng	-0.03
8) Nitrobenzene-d5	8.61	82	578	0.28	ng	0.01
11) 2-Methylnaphthalene-d10	11.75	152	1290	0.27	ng	-0.03
14) 2,4,6-Tribromophenol	15.56	330	128	0.20	ng	-0.02
15) 2-Fluorobiphenyl	12.63	172	1985	0.31	ng	-0.06
25) Fluoranthene-d10	18.82	212	3276	0.28	ng	-0.04
29) Terphenyl-d14	19.43	244	3383	0.36	ng	-0.05

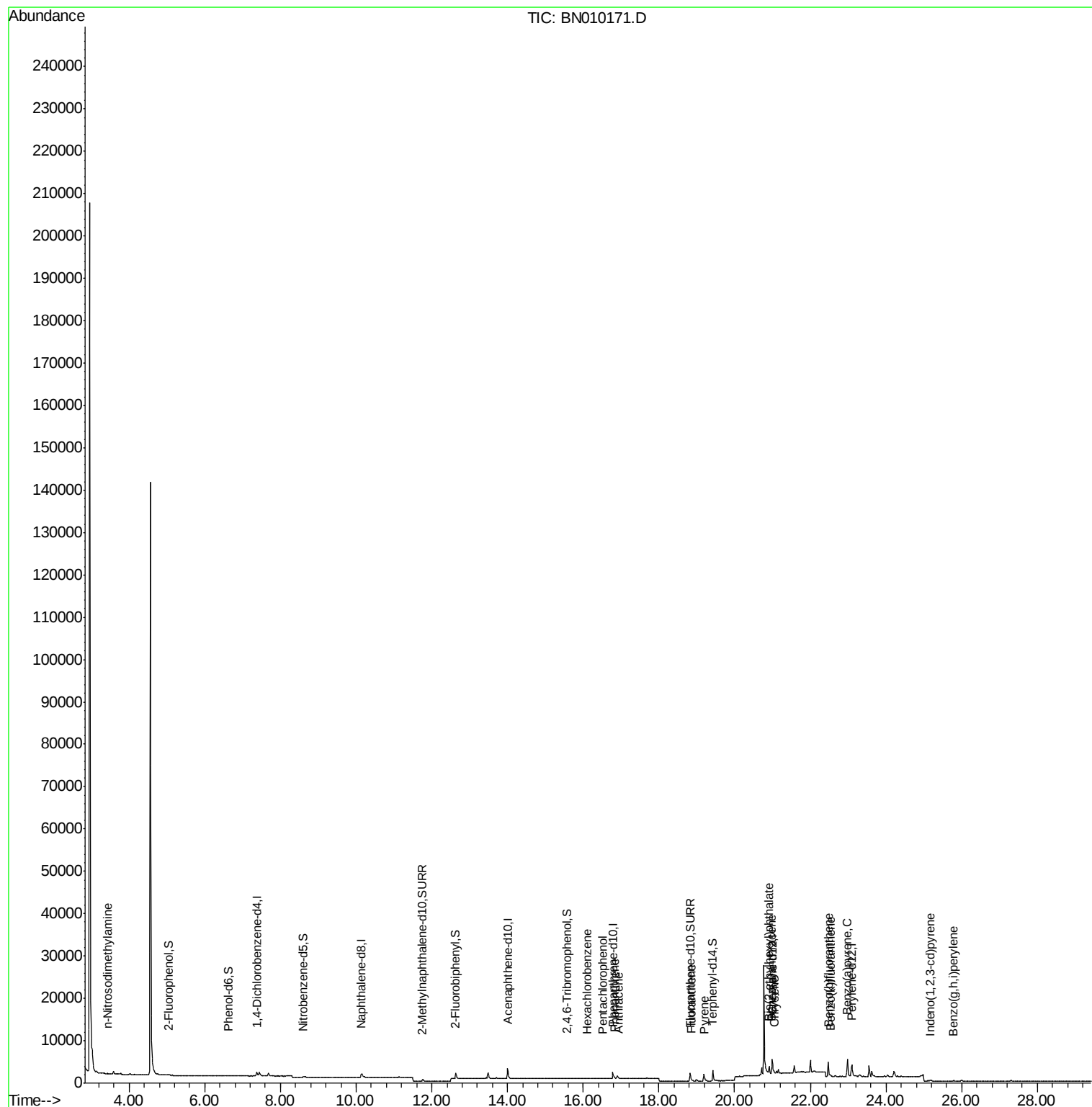
Target Compounds				Qvalue		
3) n-Nitrosodimethylamine	3.43	42	39	0.031	ng	# 4
20) 4-Bromophenyl-phenylether	16.01	248	101	Below Cal		# 77
21) Hexachlorobenzene	16.11	284	49	0.023	ng	# 87
22) Pentachlorophenol	16.51	266	8	0.190	ng	# 76
23) Phenanthrene	16.83	178	239	0.024	ng	# 95
24) Anthracene	16.93	178	179	0.021	ng	# 95
26) Fluoranthene	18.85	202	305	0.025	ng	# 80
28) Pyrene	19.22	202	330	0.022	ng	# 92
30) Benzo(a)anthracene	20.98	228	360	0.027	ng	# 63
31) Chrysene	21.04	228	379	0.025	ng	# 67
32) Bis(2-ethylhexyl)phthalate	20.91	149	2085	0.323	ng	# 90
33) Indeno(1,2,3-cd)pyrene	25.17	276	369	0.023	ng	# 54
35) Benzo(b)fluoranthene	22.49	252	872	0.056	ng	# 1
36) Benzo(k)fluoranthene	22.53	252	504	0.030	ng	# 1
37) Benzo(a)pyrene	22.98	252	415	0.029	ng	# 1
39) Benzo(g,h,i)perylene	25.78	276	442	0.029	ng	# 38

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

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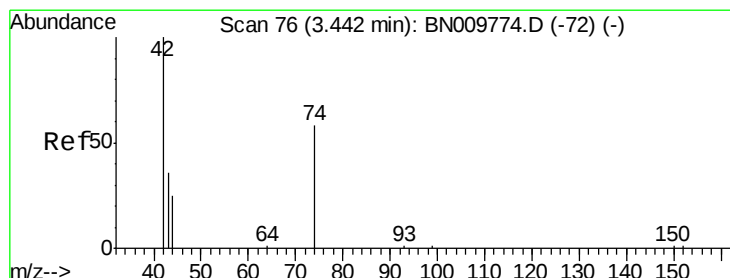
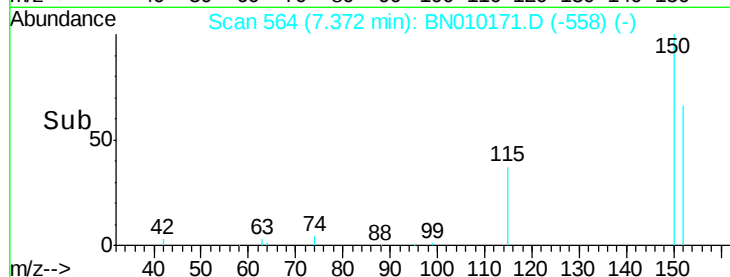
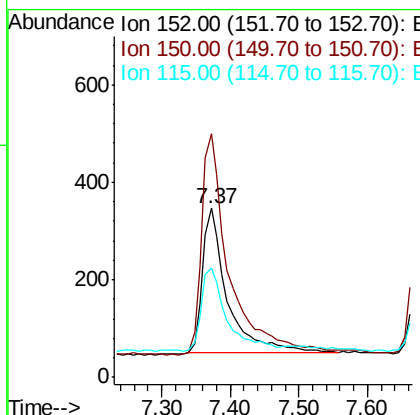
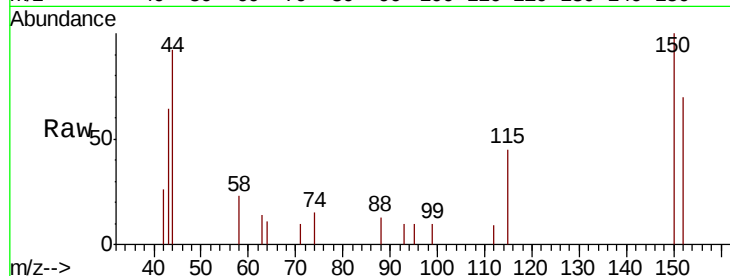




#1
 1,4-Dichlorobenzene-d4
 Concen: 0.400 ng
 RT: 7.37 min Scan# 564
 Delta R.T. -0.05 min
 Lab File: BN010171.D
 Acq: 10 Mar 2020 21:52

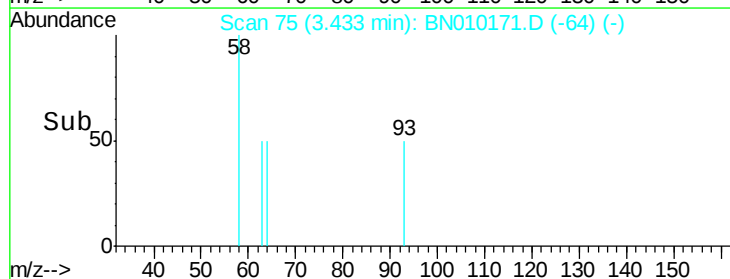
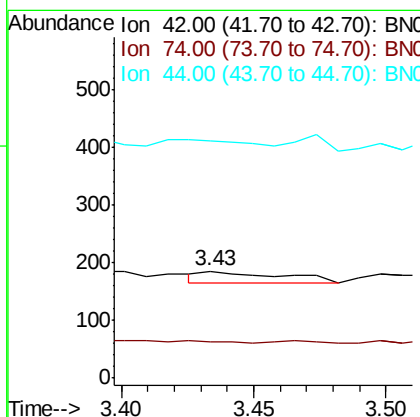
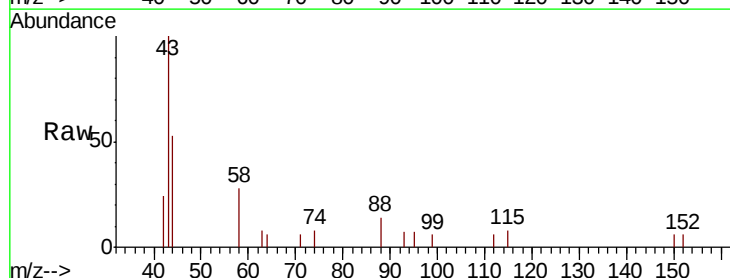
Instrument :
 BNA_N
 ClientSampleId :
 RE132D7-20200304

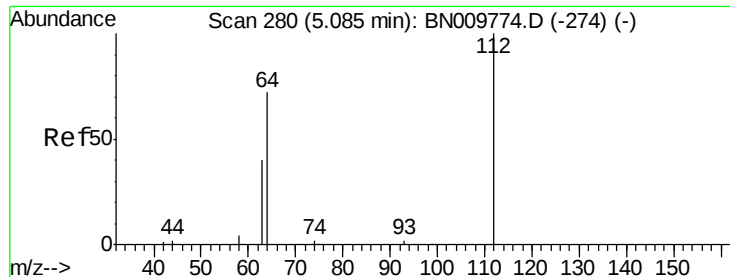
Tot Ion:152 Resp: 755
 Ion Ratio Lower Upper
 152 100
 150 143.8 120.6 181.0
 115 64.3 51.2 76.8



#3
 n-Nitrosodimethylamine
 Concen: 0.031 ng
 RT: 3.43 min Scan# 75
 Delta R.T. -0.01 min
 Lab File: BN010171.D
 Acq: 10 Mar 2020 21:52

Tgt Ion: 42 Resp: 39
 Ion Ratio Lower Upper
 42 100
 74 0.0 51.2 76.8#
 44 123.1 2.6 4.0#





#4

2-Fluorophenol

Concen: 0.077 ng

RT: 5.05 min Scan# 276

Delta R.T. -0.03 min

Lab File: BN010171.D

Acq: 10 Mar 2020 21:52

Instrument :

BNA_N

ClientSampleId :

RE132D7-20200304

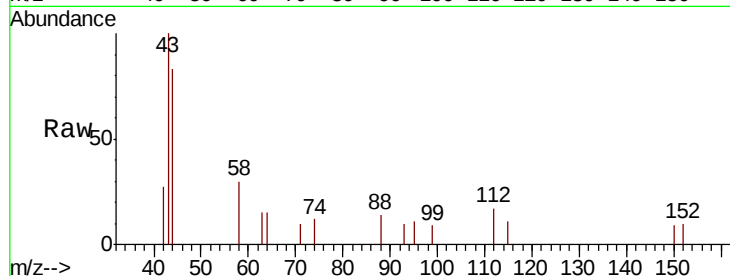
Tot Ion:112 Resp: 130

Ion Ratio Lower Upper

112 100

64 91.5 65.8 98.6

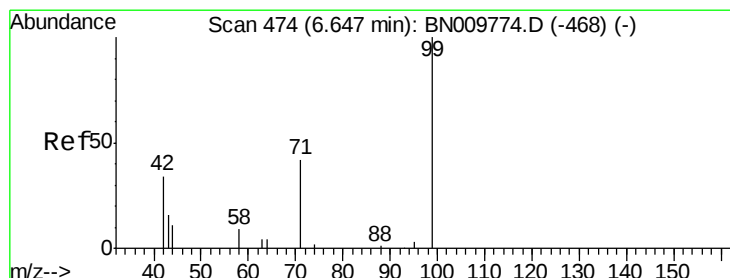
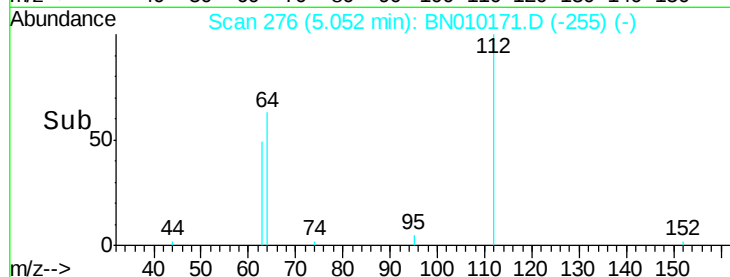
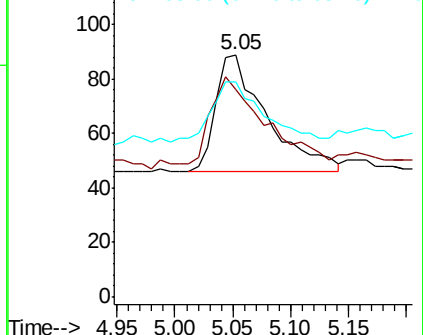
63 51.5 38.7 58.1



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: 0.057 ng

RT: 6.61 min Scan# 470

Delta R.T. -0.03 min

Lab File: BN010171.D

Acq: 10 Mar 2020 21:52

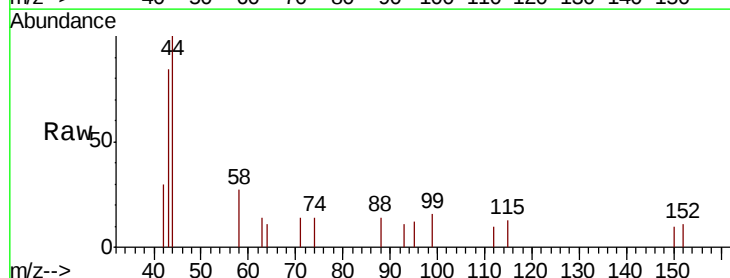
Tgt Ion: 99 Resp: 117

Ion Ratio Lower Upper

99 100

42 39.3 30.8 46.2

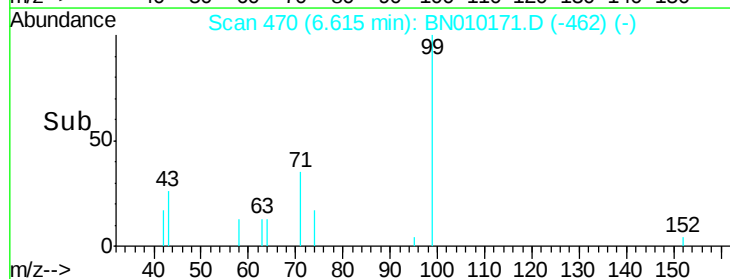
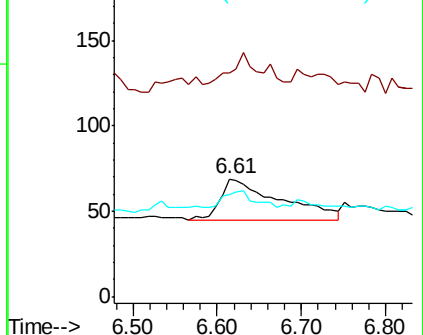
71 22.2 34.9 52.3#

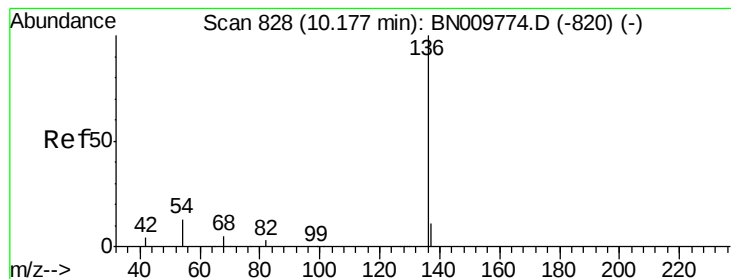


Abundance Ion 99.00 (98.70 to 99.70): BN0

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: 10.14 min Scan# 825

Delta R.T. -0.04 min

Lab File: BN010171.D

Acq: 10 Mar 2020 21:52

Instrument :

BNA_N

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RE132D7-20200304

Tot Ion:136 Resp: 2493

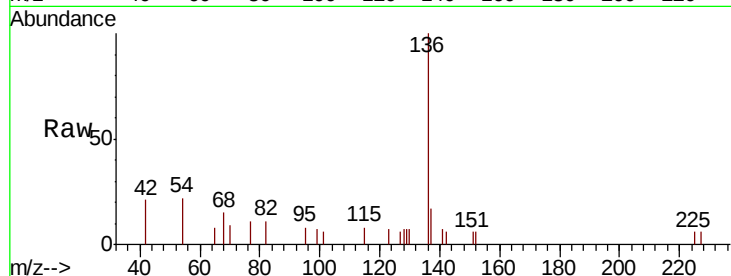
Ion Ratio Lower Upper

136 100

137 16.8 11.3 16.9

54 21.7 13.4 20.2#

68 14.6 7.0 10.4#

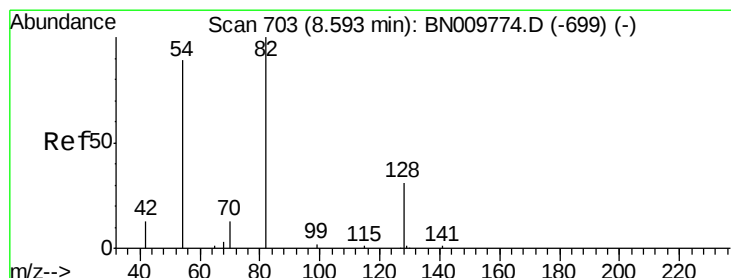
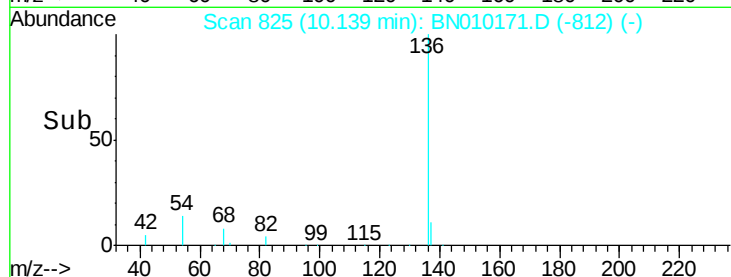
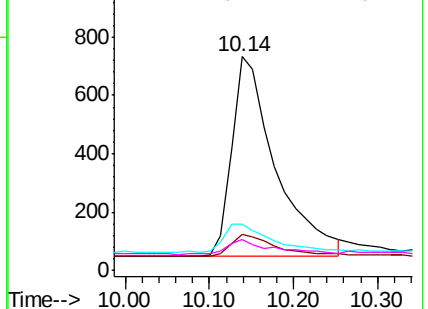


Abundance Ion 136.00 (135.70 to 136.70): E

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: 0.279 ng

RT: 8.61 min Scan# 704

Delta R.T. 0.01 min

Lab File: BN010171.D

Acq: 10 Mar 2020 21:52

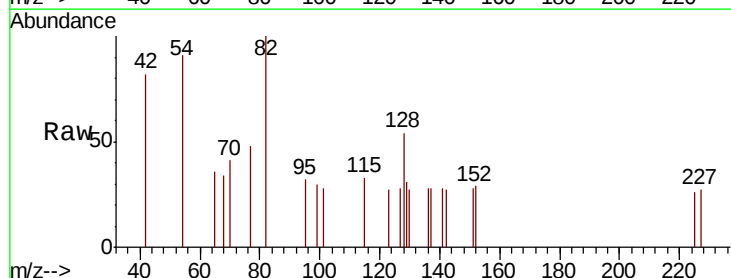
Tgt Ion: 82 Resp: 578

Ion Ratio Lower Upper

82 100

128 53.8 32.5 48.7#

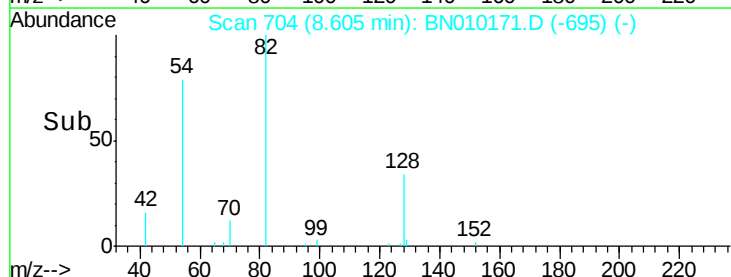
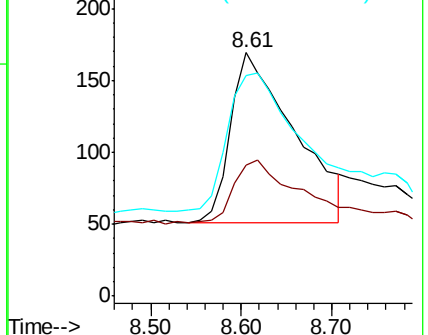
54 90.5 73.5 110.3

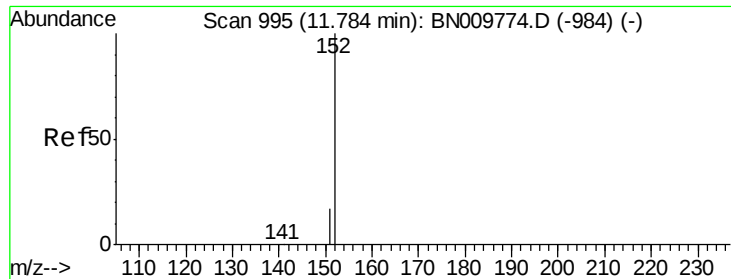


Abundance Ion 82.00 (81.70 to 82.70): BNC

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BNC

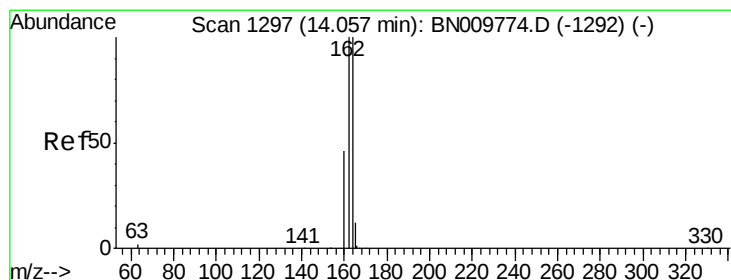
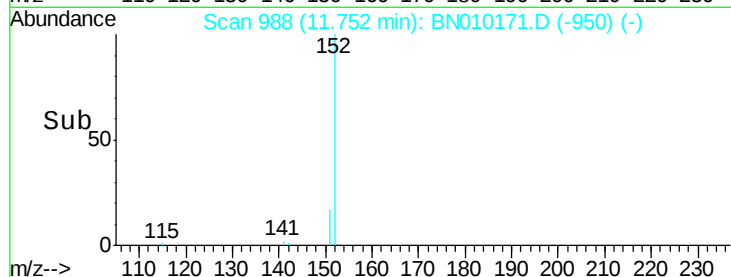
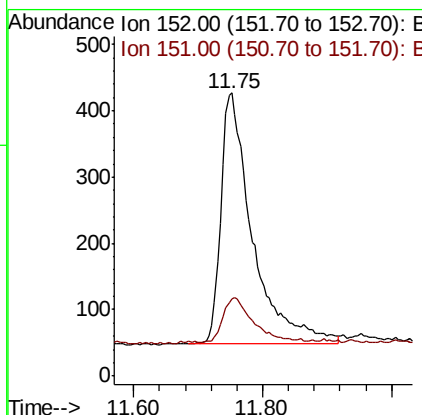
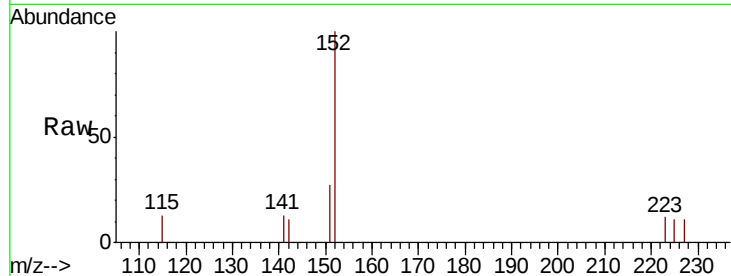




#11
2-Methylnaphthalene-d10
Concen: 0.267 ng
RT: 11.75 min Scan# 988
Delta R.T. -0.03 min
Lab File: BN010171.D
Acq: 10 Mar 2020 21:52

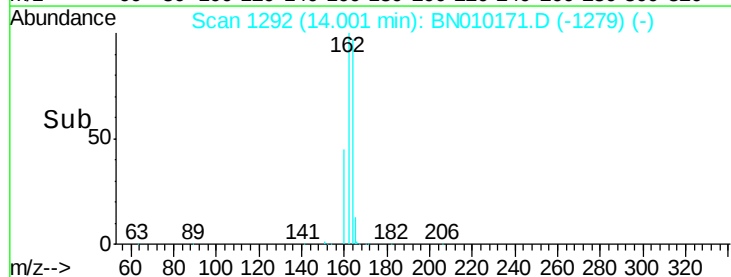
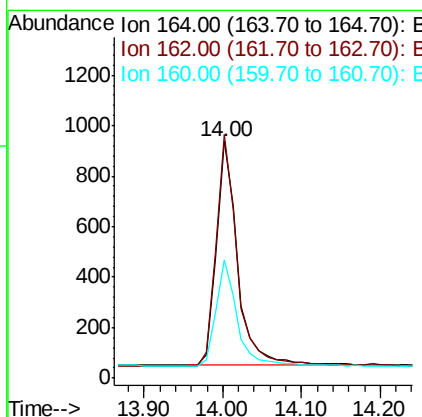
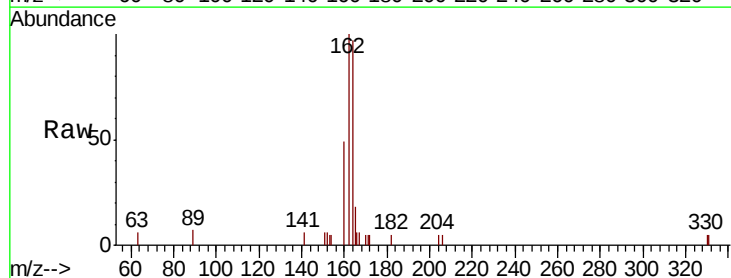
Instrument :
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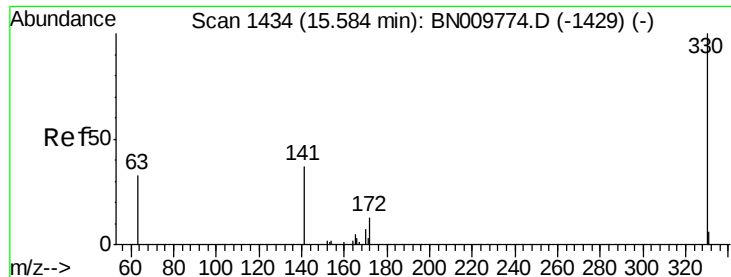
Tot Ion:152 Resp: 1290
Ion Ratio Lower Upper
152 100
151 17.2 15.1 22.7



#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.00 min Scan# 1292
Delta R.T. -0.06 min
Lab File: BN010171.D
Acq: 10 Mar 2020 21:52

Tgt Ion:164 Resp: 1683
Ion Ratio Lower Upper
164 100
162 102.7 79.9 119.9
160 49.9 38.2 57.2

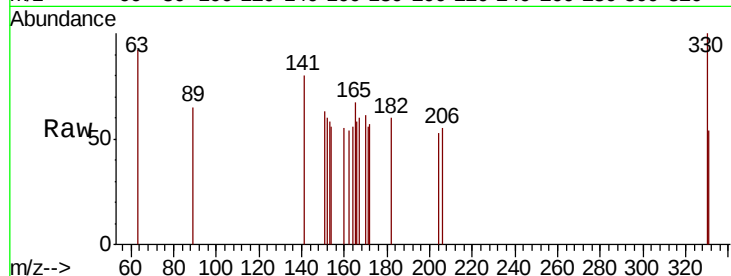




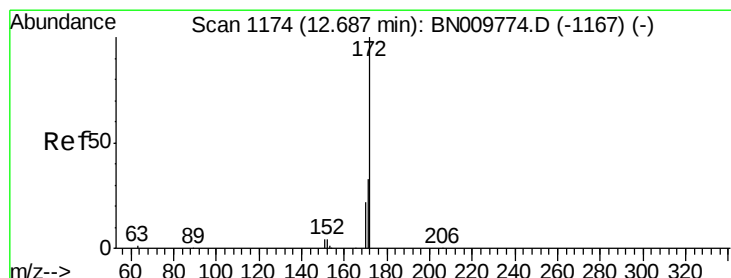
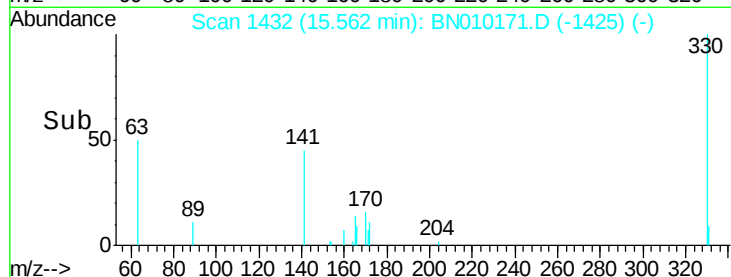
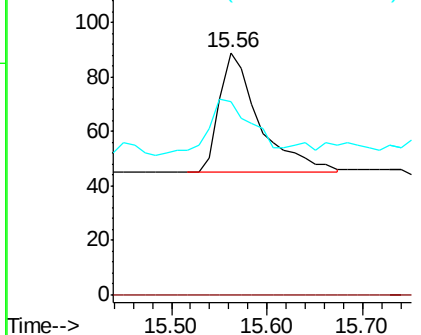
#14
 2,4,6-Tribromophenol
 Concen: 0.197 ng
 RT: 15.56 min Scan# 1432
 Delta R.T. -0.02 min
 Lab File: BN010171.D
 Acq: 10 Mar 2020 21:52

Instrument :
 BNA_N
 ClientSampleId :
 RE132D7-20200304

Tot Ion:330 Resp: 128
 Ion Ratio Lower Upper
 330 100
 332 0.0 0.0 0.0
 141 53.1 36.8 55.2

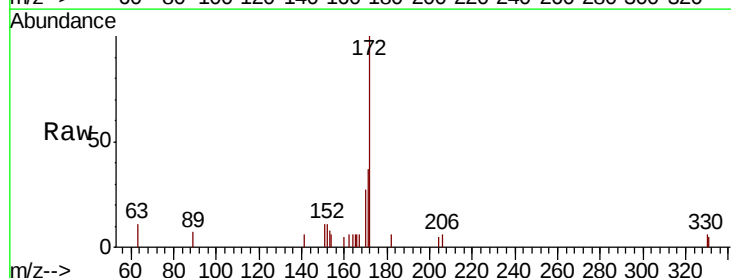


Abundance Ion 330.00 (329.70 to 330.70): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

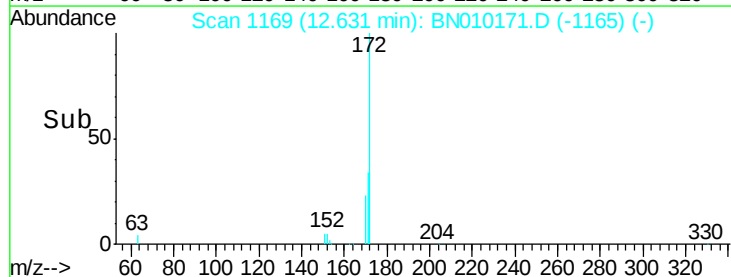
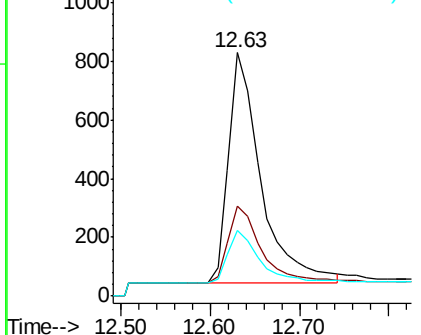


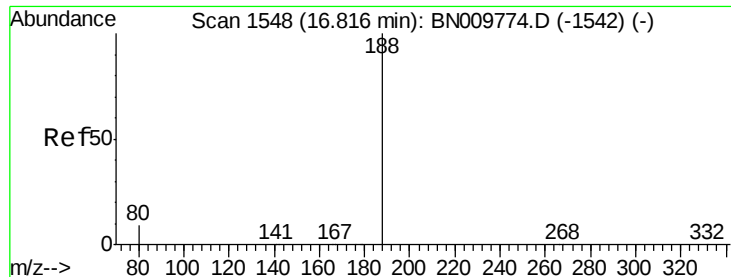
#15
 2-Fluorobiphenyl
 Concen: 0.312 ng
 RT: 12.63 min Scan# 1169
 Delta R.T. -0.06 min
 Lab File: BN010171.D
 Acq: 10 Mar 2020 21:52

Tgt Ion:172 Resp: 1985
 Ion Ratio Lower Upper
 172 100
 171 37.1 28.7 43.1
 170 27.0 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





#19

Phenanthrene-d10

Concen: 0.400 ng

RT: 16.78 min Scan# 1545

Delta R.T. -0.03 min

Lab File: BN010171.D

Acq: 10 Mar 2020 21:52

Instrument :

BNA_N

ClientSampleId :

RE132D7-20200304

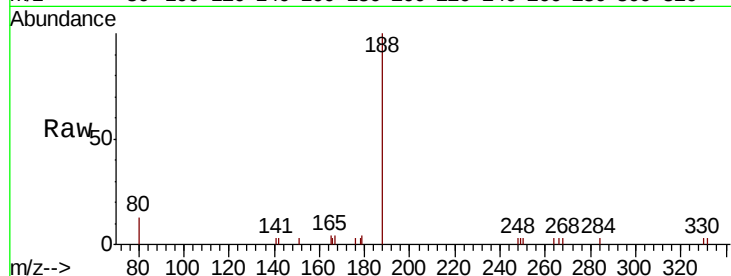
Tot Ion:188 Resp: 3390

Ion Ratio Lower Upper

188 100

94 0.0 0.0 0.0

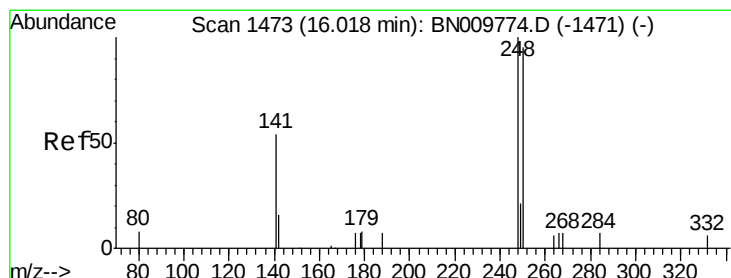
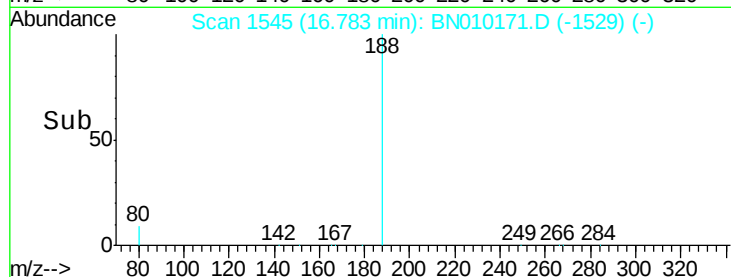
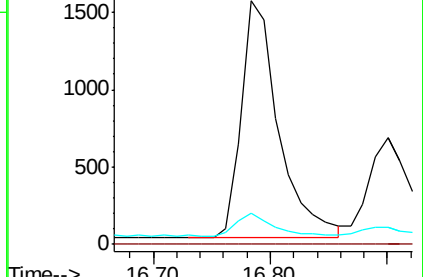
80 12.7 8.3 12.5#



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: BN010171.D

Acq: 10 Mar 2020 21:52

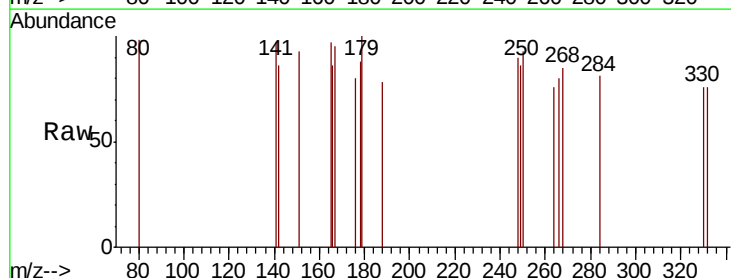
Tgt Ion:248 Resp: 101

Ion Ratio Lower Upper

248 100

250 103.8 76.2 114.4

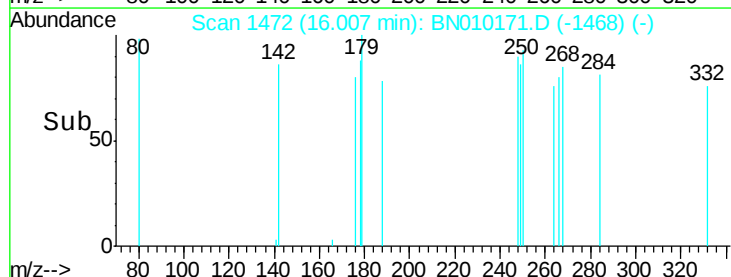
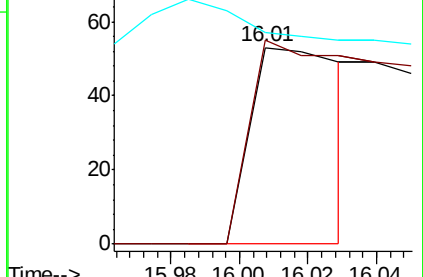
141 107.5 57.8 86.6#

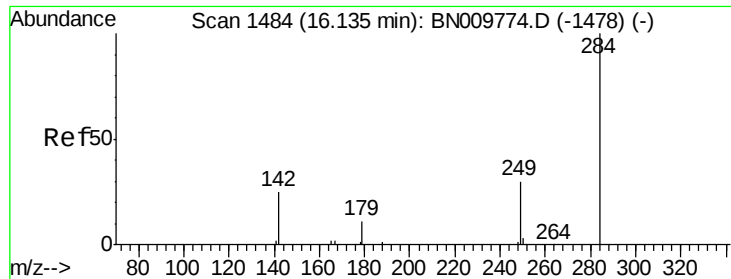


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E





#21

Hexachlorobenzene

Concen: 0.023 ng

RT: 16.11 min Scan# 1482

Delta R.T. -0.02 min

Lab File: BN010171.D

Acq: 10 Mar 2020 21:52

Instrument :

BNA_N

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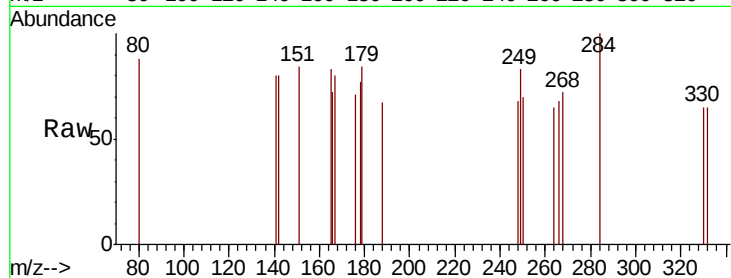
Tot Ion:284 Resp: 49

Ion Ratio Lower Upper

284 100

142 53.1 33.3 49.9#

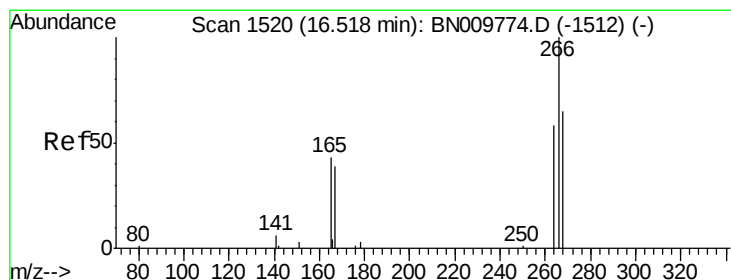
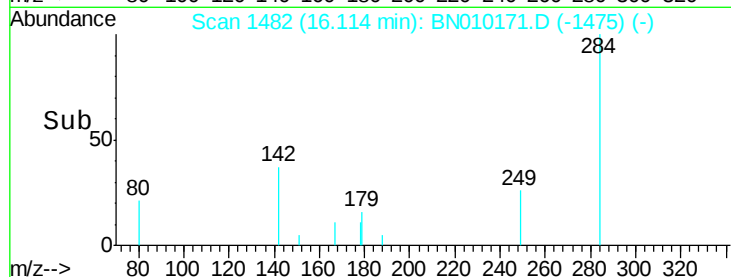
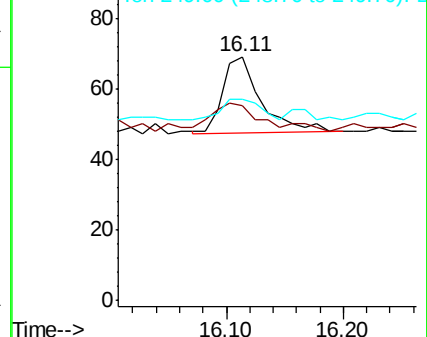
249 28.6 25.7 38.5



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: 0.190 ng

RT: 16.51 min Scan# 1519

Delta R.T. -0.01 min

Lab File: BN010171.D

Acq: 10 Mar 2020 21:52

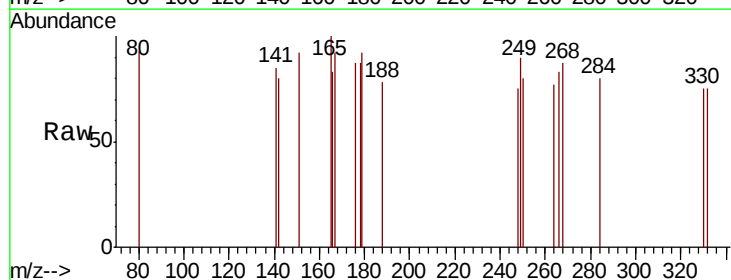
Tgt Ion:266 Resp: 8

Ion Ratio Lower Upper

266 100

264 92.0 58.1 87.1#

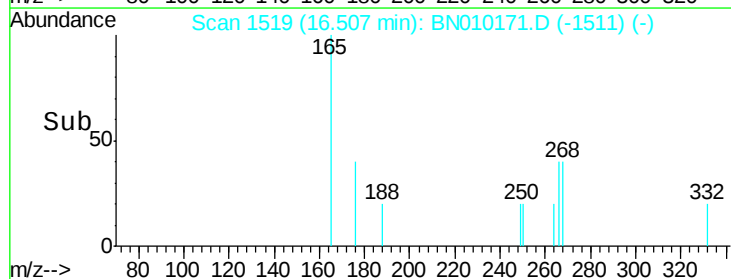
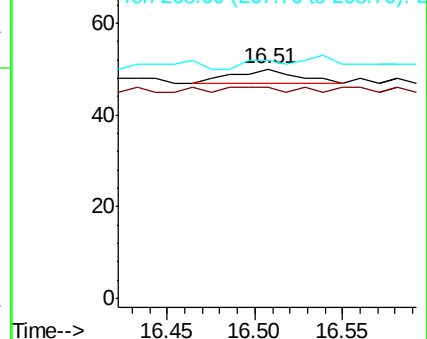
268 104.0 65.7 98.5#

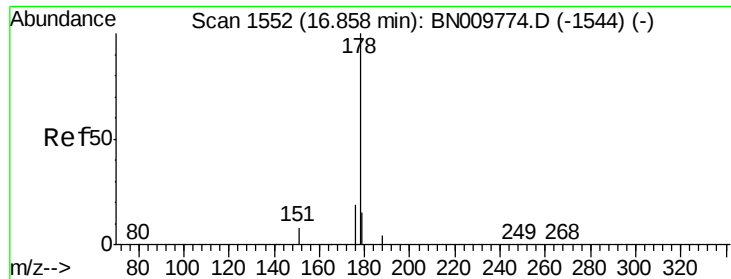


Abundance Ion 266.00 (265.70 to 266.70): E

Ion 264.00 (263.70 to 264.70): E

Ion 268.00 (267.70 to 268.70): E





#23

Phenanthrene

Concen: 0.024 ng

RT: 16.83 min Scan# 1549

Delta R.T. -0.03 min

Lab File: BN010171.D

Acq: 10 Mar 2020 21:52

Instrument :

BNA_N

ClientSampleId :

RE132D7-20200304

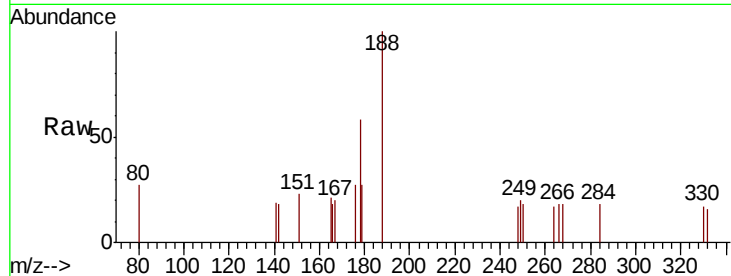
Tot Ion:178 Resp: 239

Ion Ratio Lower Upper

178 100

176 23.0 15.3 22.9#

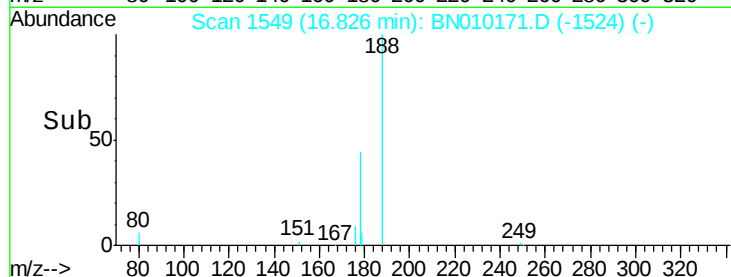
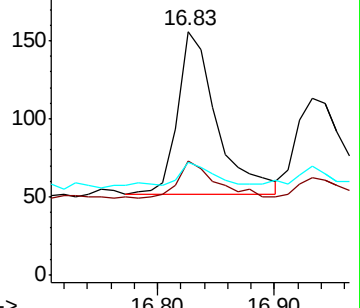
179 15.9 12.4 18.6



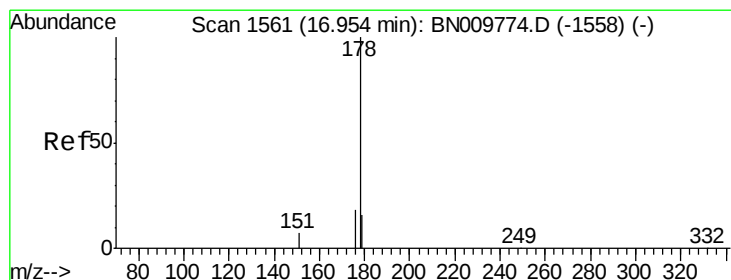
Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



Time-->



#24

Anthracene

Concen: 0.021 ng

RT: 16.93 min Scan# 1559

Delta R.T. -0.02 min

Lab File: BN010171.D

Acq: 10 Mar 2020 21:52

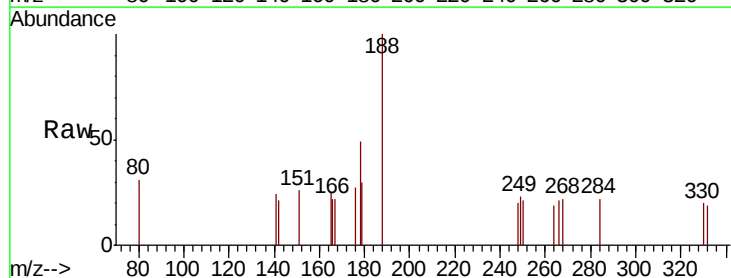
Tgt Ion:178 Resp: 179

Ion Ratio Lower Upper

178 100

176 17.3 14.3 21.5

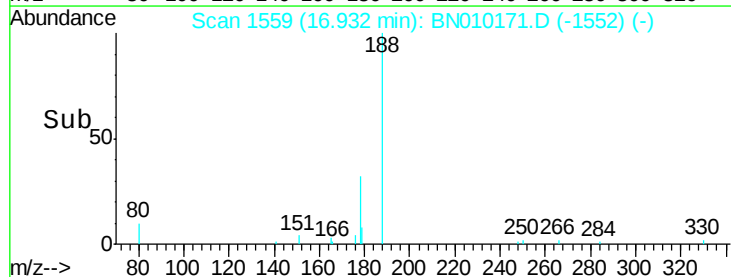
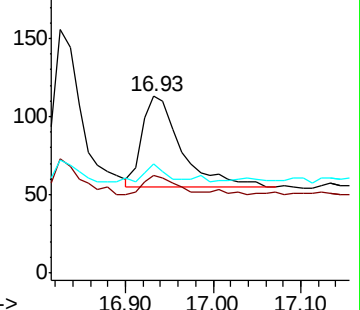
179 11.2 12.4 18.6#



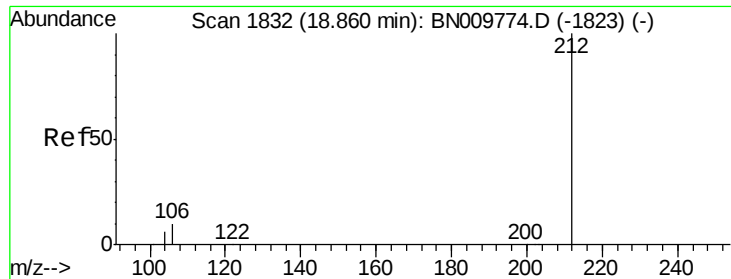
Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



Time-->



#25

Fluoranthene-d10

Concen: 0.279 ng

RT: 18.82 min Scan# 1825

Delta R.T. -0.04 min

Lab File: BN010171.D

Acq: 10 Mar 2020 21:52

Instrument :

BNA_N

ClientSampleId :

RE132D7-20200304

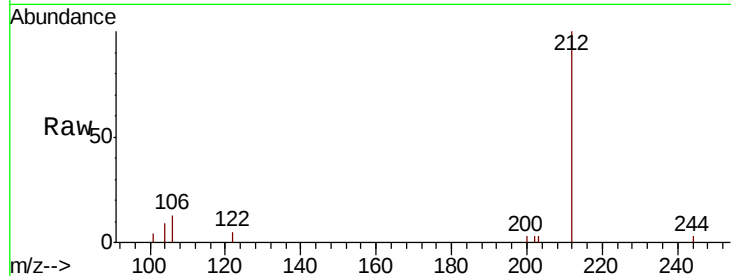
Tot Ion:212 Resp: 3276

Ion Ratio Lower Upper

212 100

106 10.9 8.4 12.6

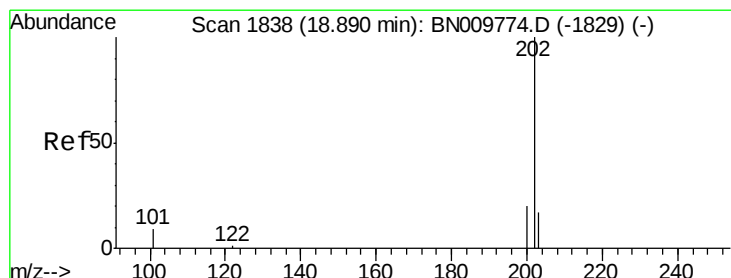
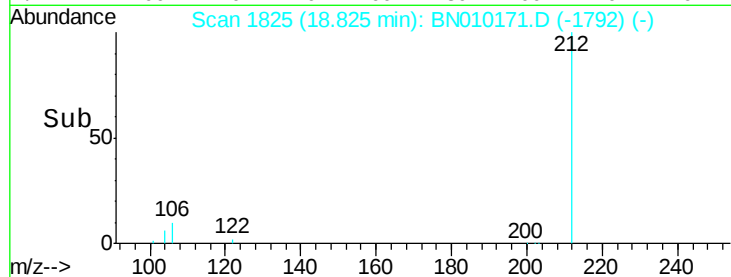
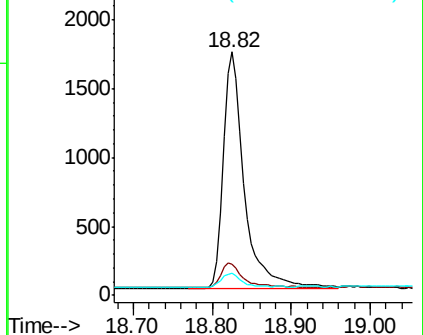
104 5.9 4.8 7.2



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: 0.025 ng

RT: 18.85 min Scan# 1831

Delta R.T. -0.04 min

Lab File: BN010171.D

Acq: 10 Mar 2020 21:52

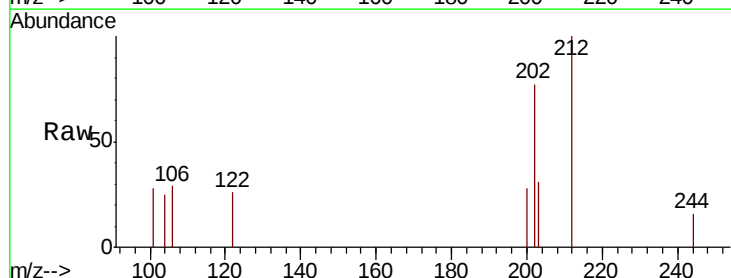
Tgt Ion:202 Resp: 305

Ion Ratio Lower Upper

202 100

101 27.9 7.1 10.7#

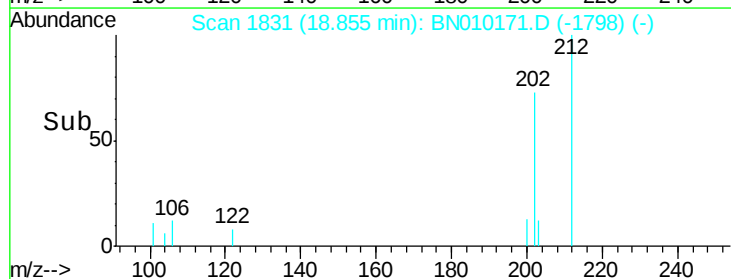
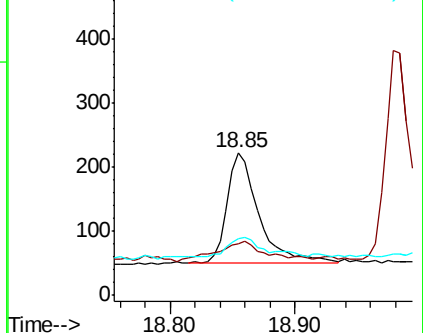
203 16.1 13.8 20.6

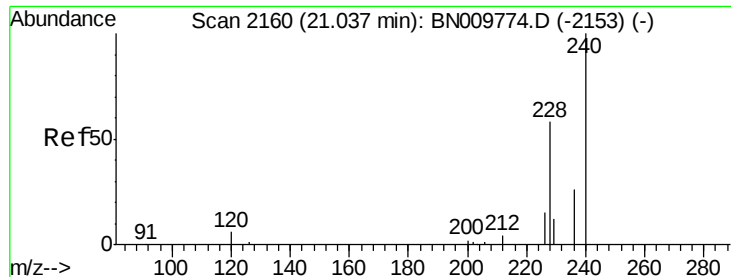


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E

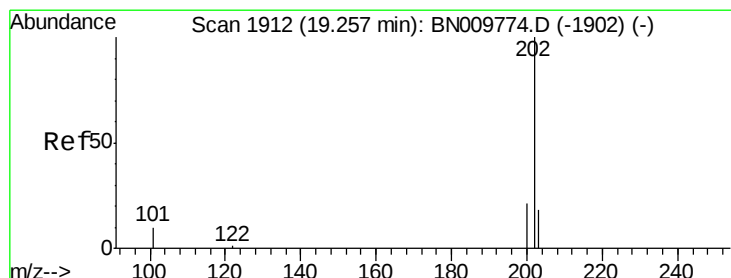
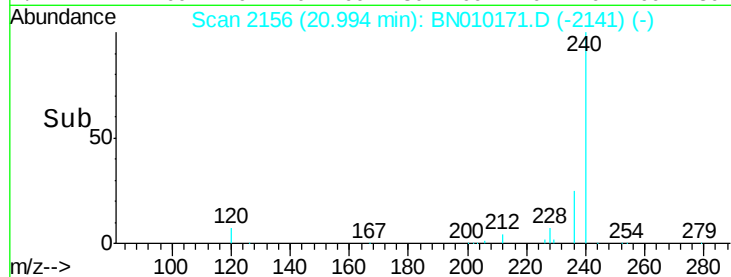
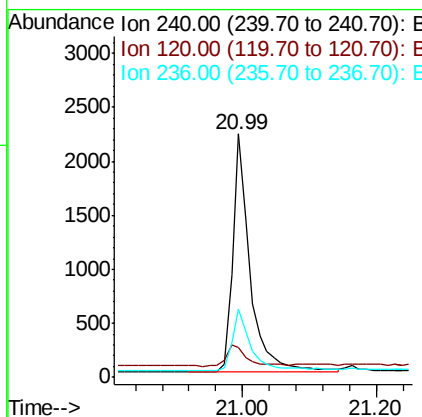
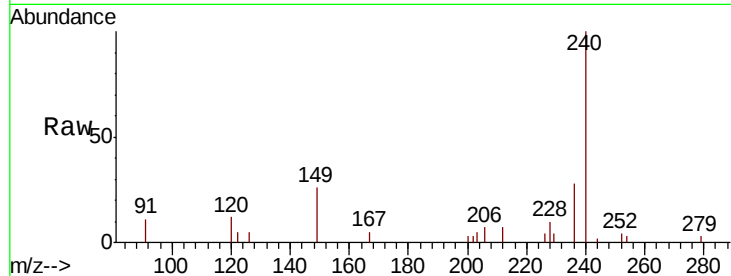




#27
Chrysene-d12
Concen: 0.400 ng
RT: 20.99 min Scan# 2156
Delta R.T. -0.04 min
Lab File: BN010171.D
Acq: 10 Mar 2020 21:52

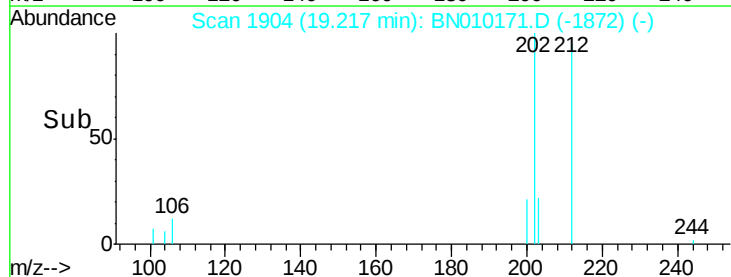
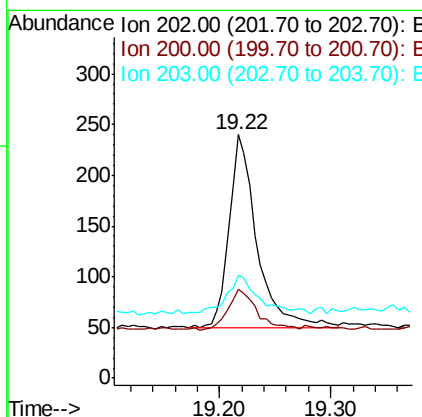
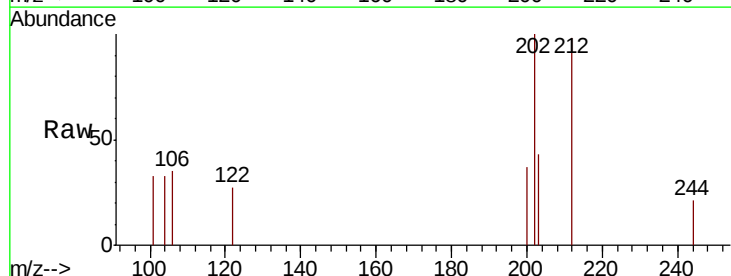
Instrument :
BNA_N
ClientSampleId :
RE132D7-20200304

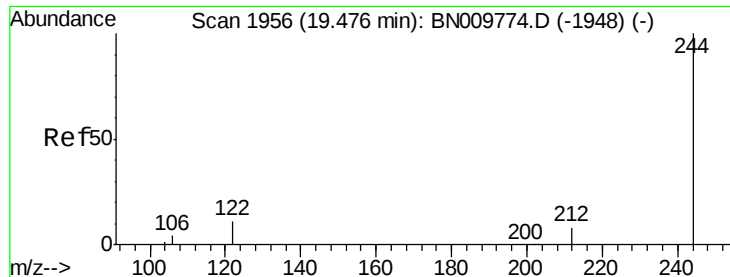
Tot Ion:240 Resp: 3988
Ion Ratio Lower Upper
240 100
120 12.1 7.9 11.9#
236 27.8 22.0 33.0



#28
Pyrene
Concen: 0.022 ng
RT: 19.22 min Scan# 1904
Delta R.T. -0.04 min
Lab File: BN010171.D
Acq: 10 Mar 2020 21:52

Tgt Ion:202 Resp: 330
Ion Ratio Lower Upper
202 100
200 23.0 16.4 24.6
203 22.4 13.9 20.9#





#29

Terphenyl-d14

Concen: 0.355 ng

RT: 19.43 min Scan# 1946

Delta R.T. -0.05 min

Lab File: BN010171.D

Acq: 10 Mar 2020 21:52

Instrument :

BNA_N

ClientSampleId :

RE132D7-20200304

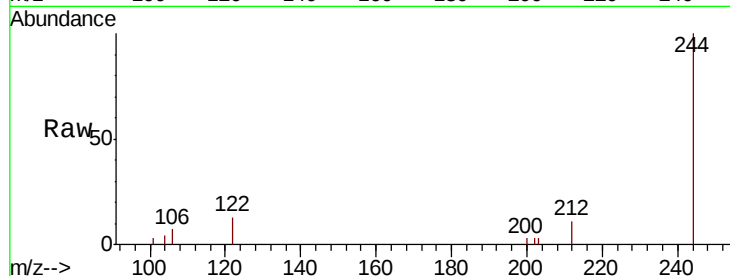
Tot Ion:244 Resp: 3383

Ion Ratio Lower Upper

244 100

212 10.5 8.0 12.0

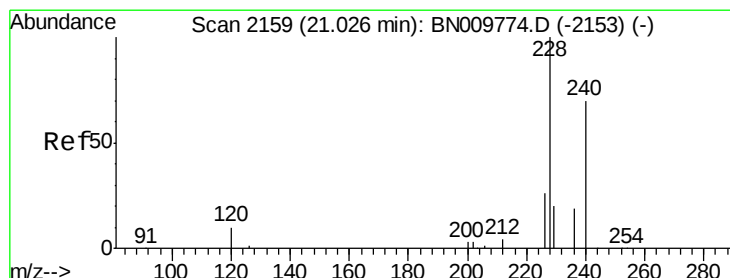
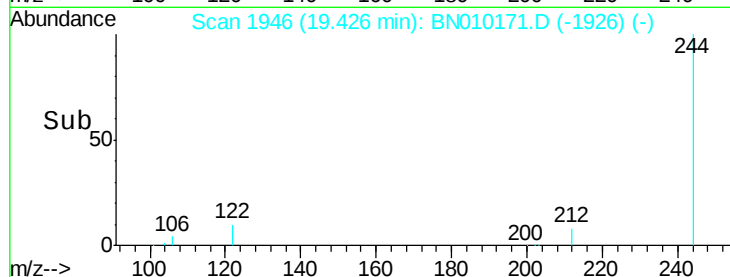
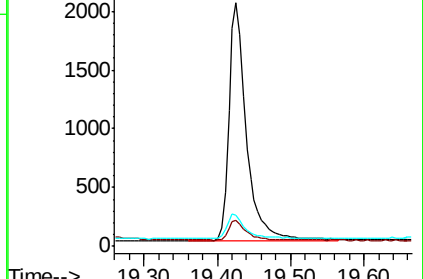
122 12.8 10.0 15.0



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: 0.027 ng

RT: 20.98 min Scan# 2155

Delta R.T. -0.04 min

Lab File: BN010171.D

Acq: 10 Mar 2020 21:52

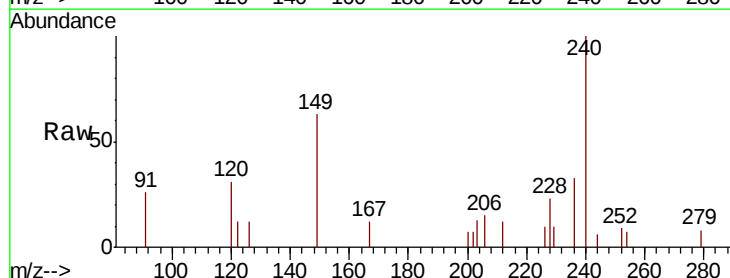
Tgt Ion:228 Resp: 360

Ion Ratio Lower Upper

228 100

226 43.4 21.8 32.8#

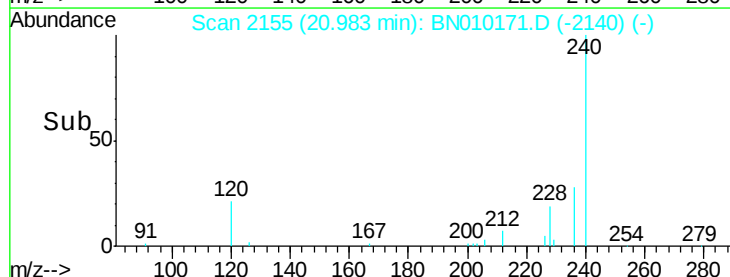
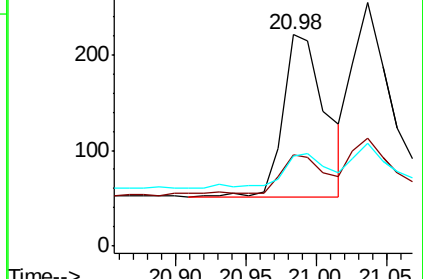
229 42.5 17.1 25.7#

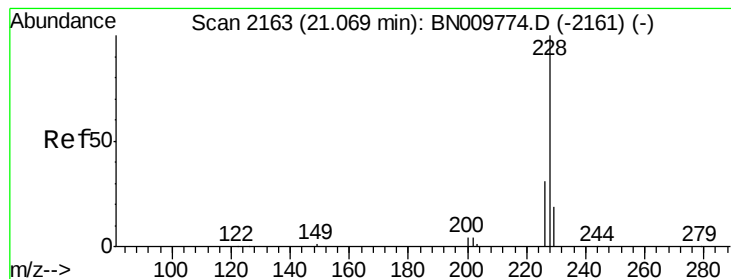


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#31

Chrysene

Concen: 0.025 ng

RT: 21.04 min Scan# 2160

Delta R.T. -0.03 min

Lab File: BN010171.D

Acq: 10 Mar 2020 21:52

Instrument :

BNA_N

ClientSampleId :

RE132D7-20200304

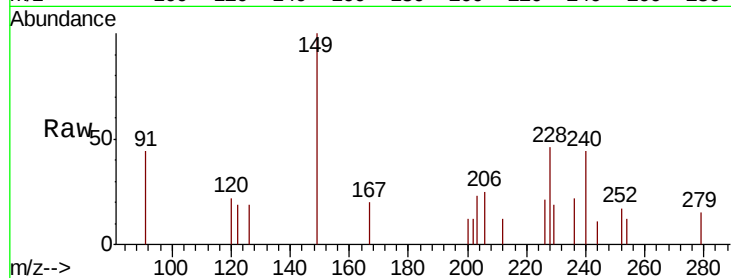
Tot Ion:228 Resp: 379

Ion Ratio Lower Upper

228 100

226 44.3 24.8 37.2#

229 42.0 16.4 24.6#

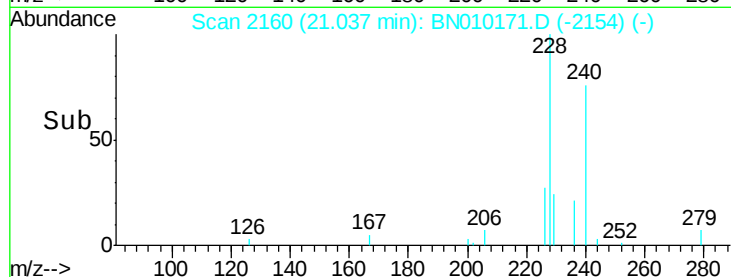


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

Time-->



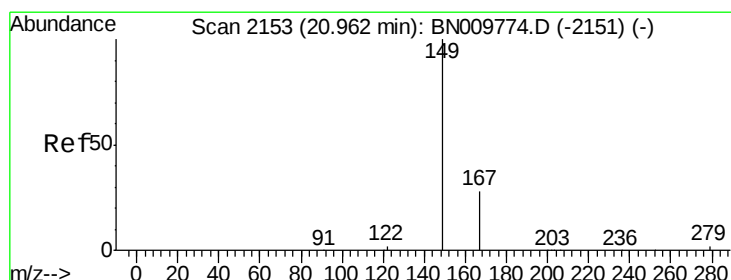
Abundance

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

Time-->



#32

Bis(2-ethylhexyl)phthalate

Concen: 0.323 ng

RT: 20.91 min Scan# 2148

Delta R.T. -0.05 min

Lab File: BN010171.D

Acq: 10 Mar 2020 21:52

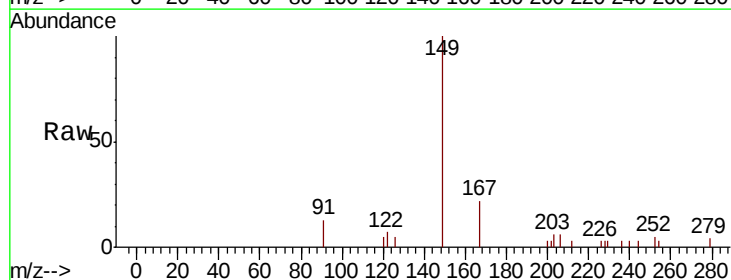
Tgt Ion:149 Resp: 2085

Ion Ratio Lower Upper

149 100

167 22.8 22.7 34.1

279 3.3 3.1 4.7

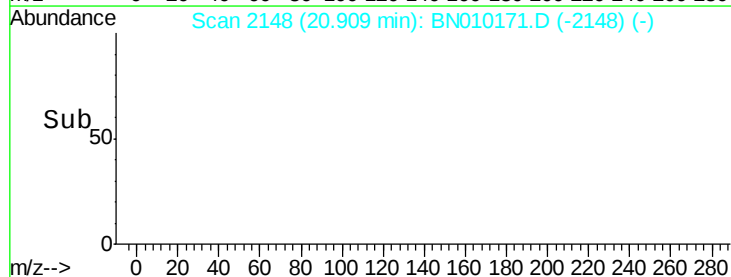


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E

Time-->



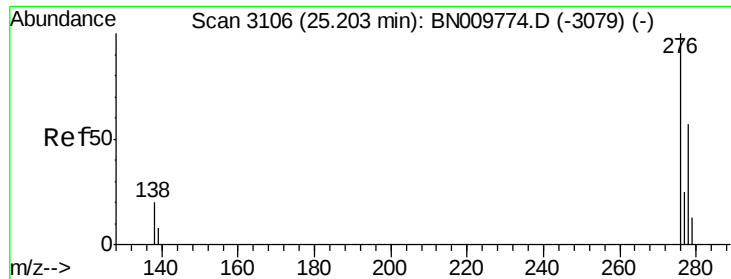
Abundance

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

Time-->



#33

Indeno(1,2,3-cd)pyrene

Concen: 0.023 ng

RT: 25.17 min Scan# 3097

Delta R.T. -0.03 min

Lab File: BN010171.D

Acq: 10 Mar 2020 21:52

Instrument :

BNA_N

ClientSampleId :

RE132D7-20200304

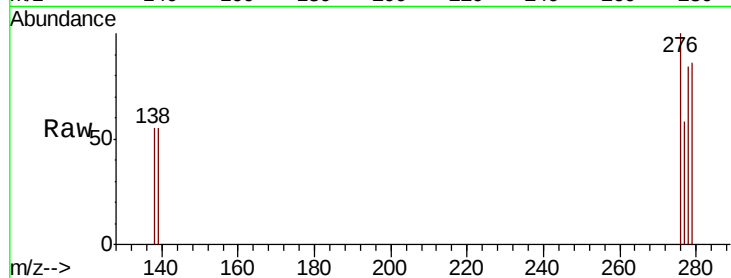
Tot Ion:276 Resp: 369

Ion Ratio Lower Upper

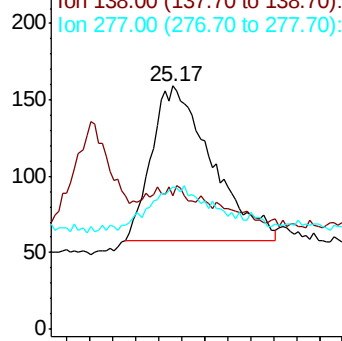
276 100

138 0.0 15.8 23.6#

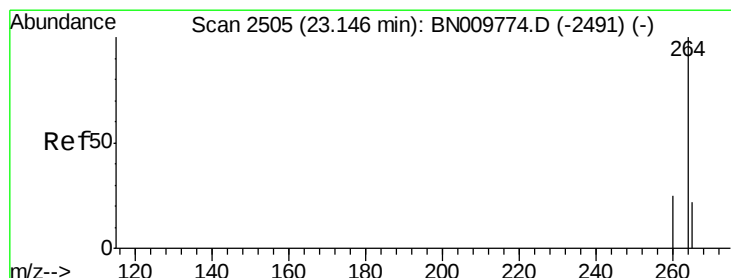
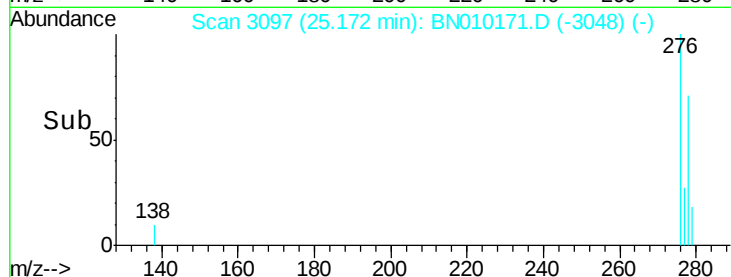
277 0.0 19.3 28.9#



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



Time-->



#34

Perylene-d12

Concen: 0.400 ng

RT: 23.09 min Scan# 2490

Delta R.T. -0.05 min

Lab File: BN010171.D

Acq: 10 Mar 2020 21:52

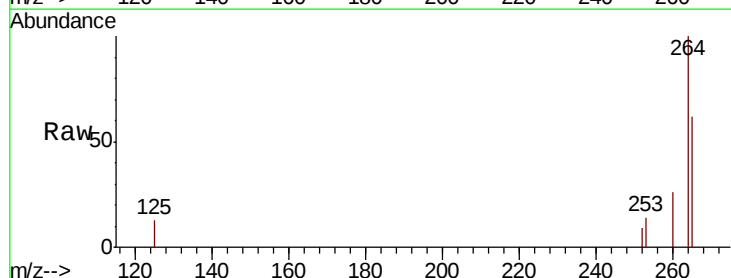
Tgt Ion:264 Resp: 4289

Ion Ratio Lower Upper

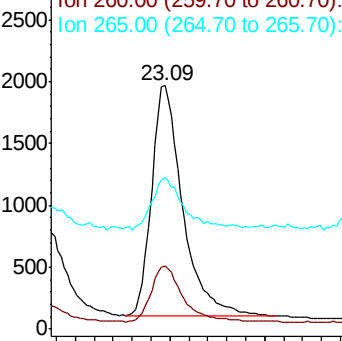
264 100

260 26.1 21.1 31.7

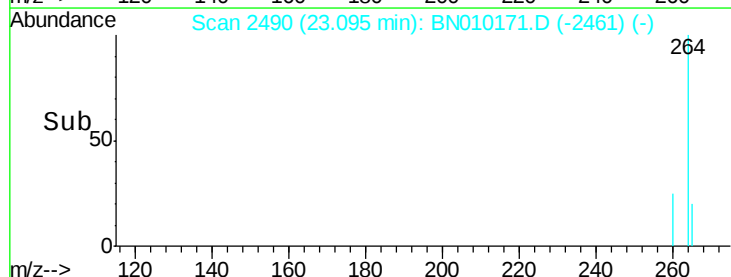
265 62.3 57.5 86.3

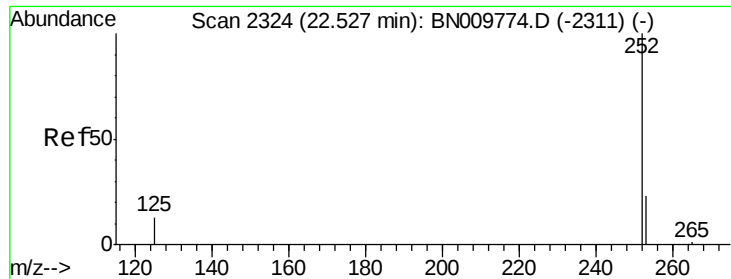


Abundance Ion 264.00 (263.70 to 264.70): E
Ion 260.00 (259.70 to 260.70): E
Ion 265.00 (264.70 to 265.70): E



Time-->





#35

Benzo(b)fluoranthene

Concen: 0.056 ng

RT: 22.49 min Scan# 2314

Delta R.T. -0.03 min

Lab File: BN010171.D

Acq: 10 Mar 2020 21:52

Instrument :

BNA_N

ClientSampleId :

RE132D7-20200304

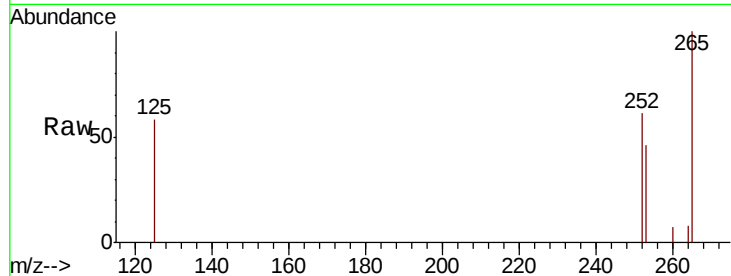
Tot Ion:252 Resp: 872

Ion Ratio Lower Upper

252 100

253 75.2 23.0 34.6#

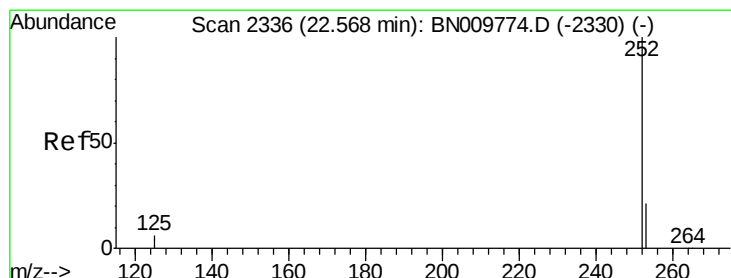
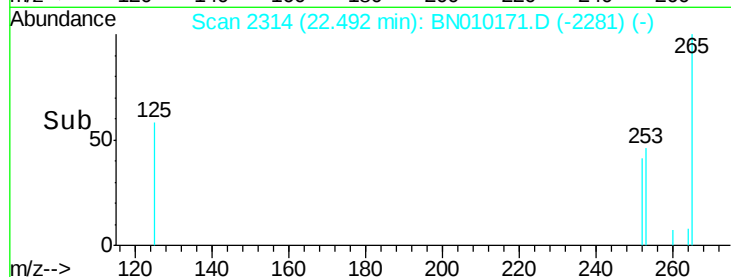
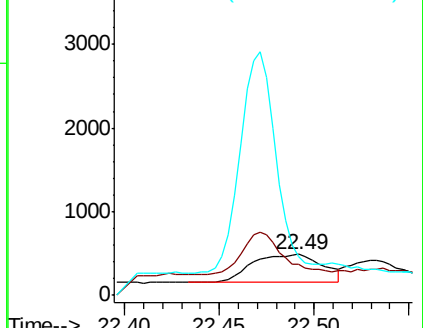
125 93.6 14.4 21.6#



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



#36

Benzo(k)fluoranthene

Concen: 0.030 ng

RT: 22.53 min Scan# 2326

Delta R.T. -0.03 min

Lab File: BN010171.D

Acq: 10 Mar 2020 21:52

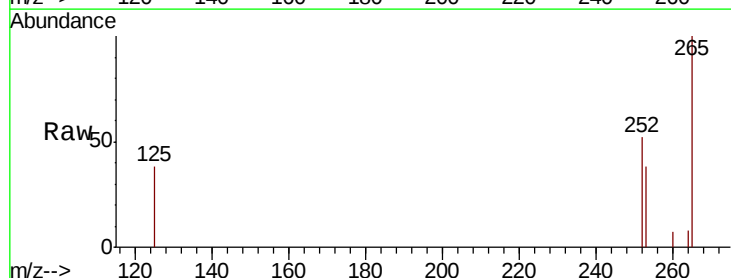
Tgt Ion:252 Resp: 504

Ion Ratio Lower Upper

252 100

253 73.4 22.2 33.2#

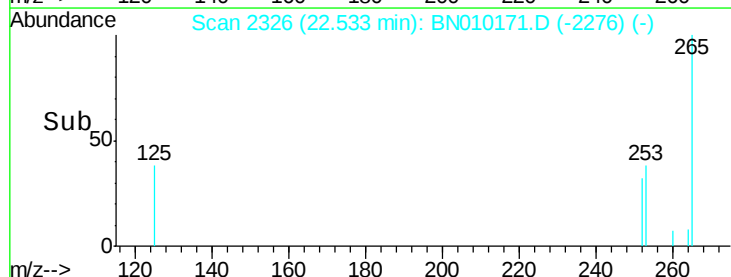
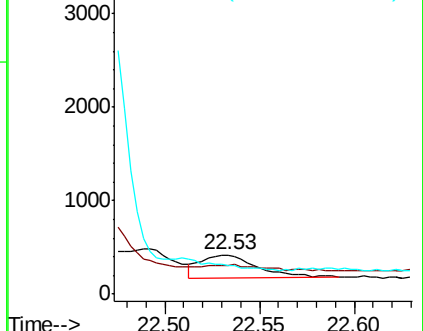
125 72.7 10.5 15.7#

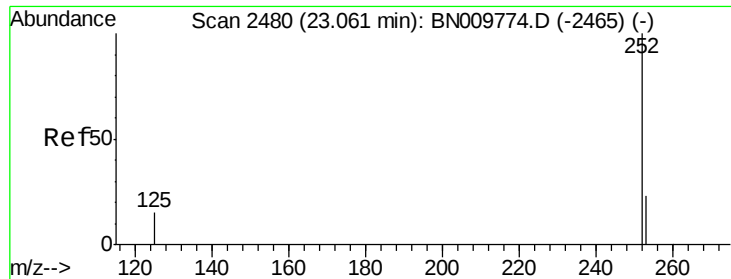


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#37

Benzo(a)pyrene

Concen: 0.029 ng

RT: 22.98 min Scan# 2457

Delta R.T. -0.08 min

Lab File: BN010171.D

Acq: 10 Mar 2020 21:52

Instrument :

BNA_N

ClientSampleId :

RE132D7-20200304

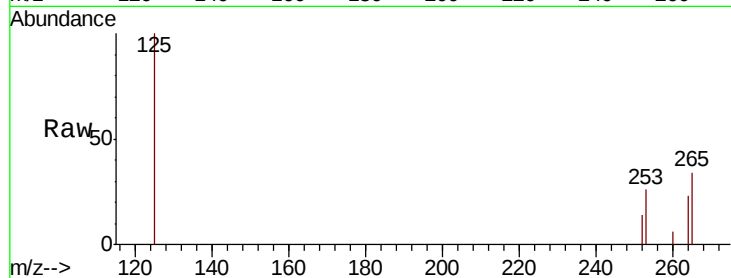
Tot Ion:252 Resp: 415

Ion Ratio Lower Upper

252 100

253 179.3 25.3 37.9#

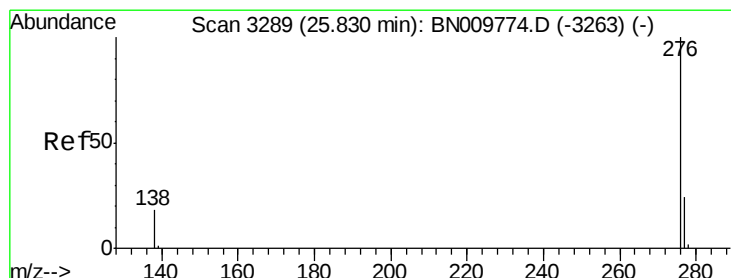
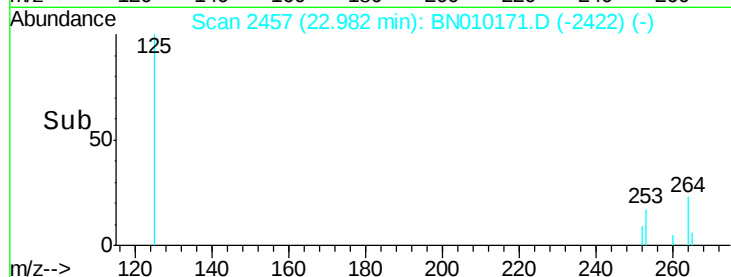
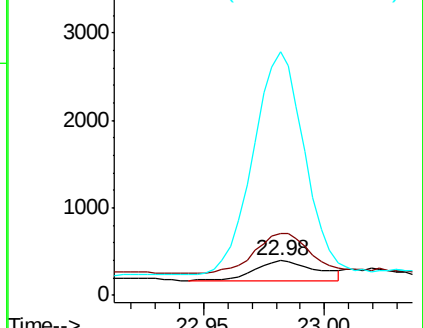
125 701.8 17.7 26.5#



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: 25.78 min Scan# 3276

Delta R.T. -0.04 min

Lab File: BN010171.D

Acq: 10 Mar 2020 21:52

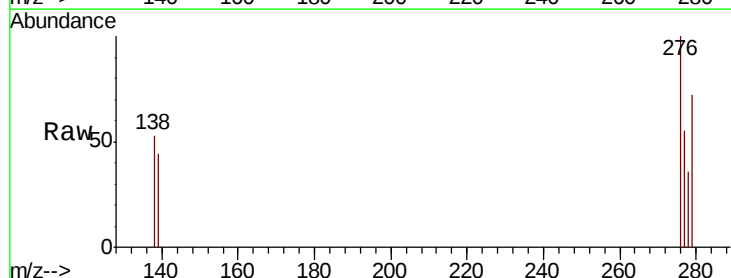
Tgt Ion:276 Resp: 442

Ion Ratio Lower Upper

276 100

277 55.2 21.4 32.0#

138 53.4 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

