

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN100219\
 Data File : BN007969.D
 Acq On : 02 Oct 2019 17:18
 Operator : JU
 Sample : K5078-14DL 5X
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :

Quant Time: Oct 03 06:46:41 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\8270-SIM-BN091819.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Sep 18 18:24:40 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.69	152	6028	0.40	ng	0.00
7) Naphthalene-d8	10.46	136	25390	0.40	ng	-0.01
13) Acenaphthene-d10	14.31	164	16223	0.40	ng	-0.02
19) Phenanthrene-d10	17.06	188	34506	0.40	ng	-0.01
27) Chrysene-d12	21.25	240	36691	0.40	ng	-0.02
34) Perylene-d12	23.47	264	39922	0.40	ng	-0.03

System Monitoring Compounds						
4) 2-Fluorophenol	5.31	112	936	0.05	ng	0.00
5) Phenol-d6	6.87	99	1255	0.04	ng	0.00
8) Nitrobenzene-d5	8.82	82	1004	0.05	ng	-0.01
11) 2-Methylnaphthalene-d10	12.05	152	1975	0.05	ng	-0.01
14) 2,4,6-Tribromophenol	15.80	330	383	0.04	ng	-0.02
15) 2-Fluorobiphenyl	12.94	172	2735	0.04	ng	0.00
25) Fluoranthene-d10	19.09	212	4865	0.04	ng	-0.01
29) Terphenyl-d14	19.70	244	4031	0.04	ng	-0.02

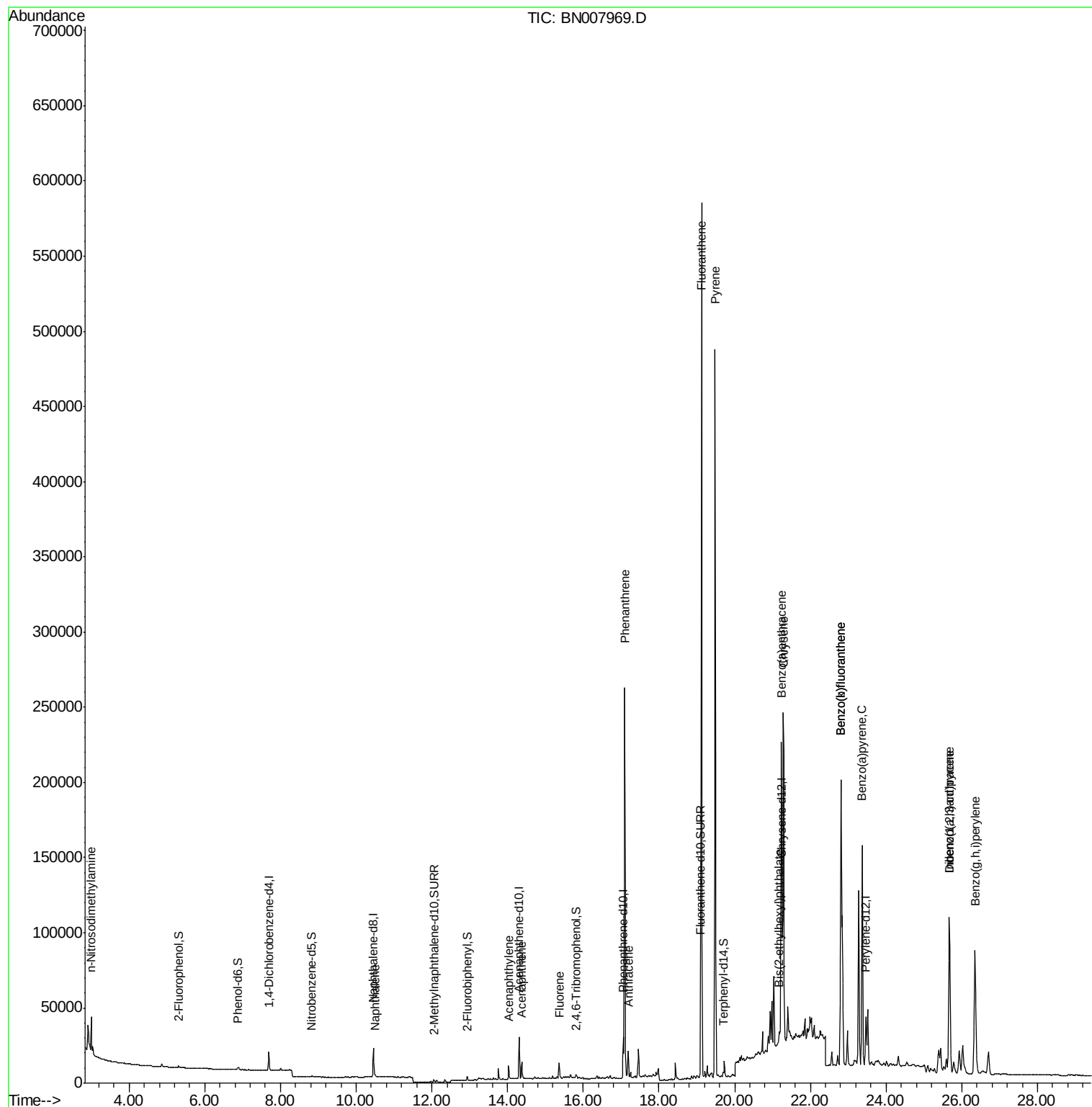
Target Compounds				Qvalue		
3) n-Nitrosodimethylamine	3.00	42	2102	0.683	ng	# 58
9) Naphthalene	10.51	128	1615	0.023	ng	# 77
16) Acenaphthylene	14.03	152	11509	0.134	ng	100
17) Acenaphthene	14.38	154	5749	0.104	ng	98
18) Fluorene	15.37	166	7667	0.108	ng	96
23) Phenanthrene	17.10	178	248872	2.315	ng	100
24) Anthracene	17.19	178	20679	0.213	ng	# 91
26) Fluoranthene	19.12	202	519906	3.890	ng	99
28) Pyrene	19.49	202	426779	3.410	ng	# 96
30) Benzo(a)anthracene	21.24	228	186591	1.381	ng	96
31) Chrysene	21.28	228	211596	1.607	ng	97
32) Bis(2-ethylhexyl)phthalate	21.18	149	6914	0.099	ng	# 94
33) Indeno(1,2,3-cd)pyrene	25.67	276	165003	1.001	ng	96
35) Benzo(b)fluoranthene	22.81	252	305755	2.206	ng	99
36) Benzo(k)fluoranthene	22.81	252	305755	2.231	ng	99
37) Benzo(a)pyrene	23.37	252	201081	1.544	ng	99
38) Dibenzo(a,h)anthracene	25.68	278	36434	0.273	ng	# 84
39) Benzo(a,h,i)perylene	26.35	276	166889	1.266	ng	99

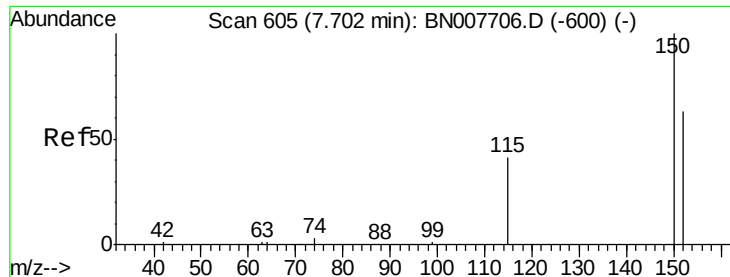
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN100219\
Data File : BN007969.D
Acq On : 02 Oct 2019 17:18
Operator : JU
Sample : K5078-14DL 5X
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :

Quant Time: Oct 03 06:46:41 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\8270-SIM-BN091819.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Sep 18 18:24:40 2019
Response via : Initial Calibration



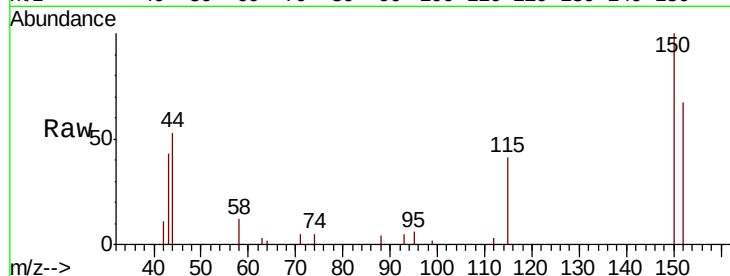


#1

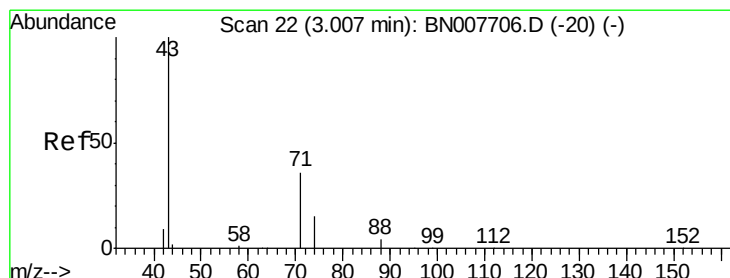
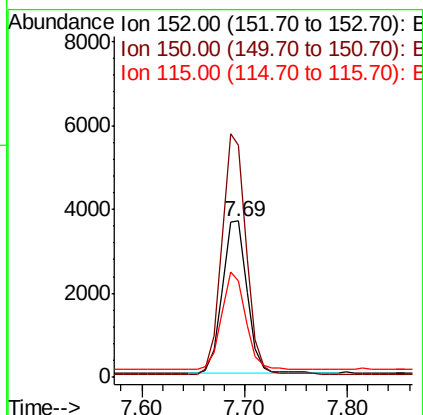
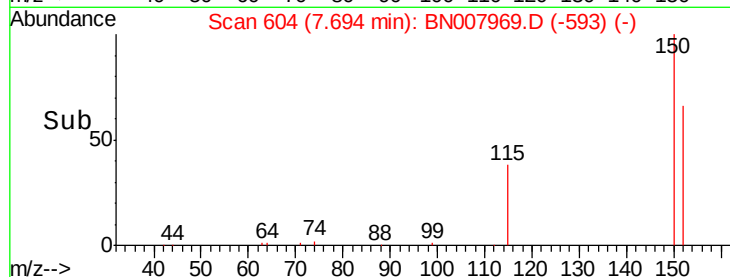
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.69 min Scan# 604
Delta R.T. -0.01 min
Lab File: BN007969.D
Acq: 02 Oct 2019 17:18

Instrument :
BNA_N
ClientSampleId :

Tot Ion:152 Resp: 6028
Ion Ratio Lower Upper
152 100
150 148.7 125.6 188.4
115 61.6 53.3 79.9



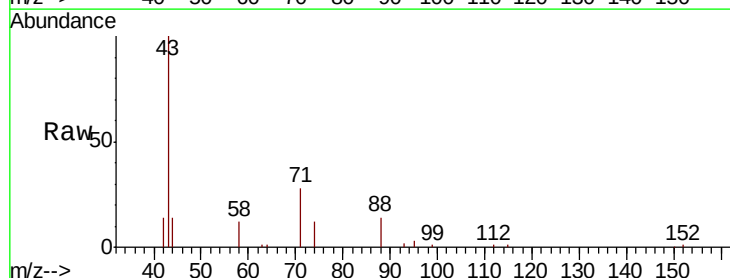
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



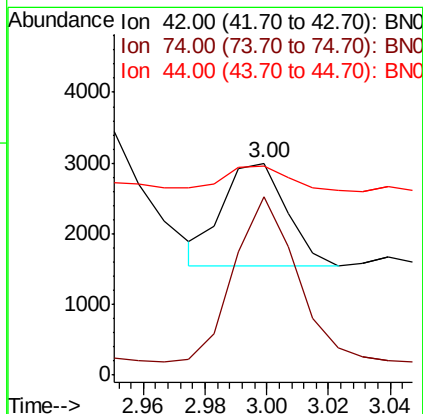
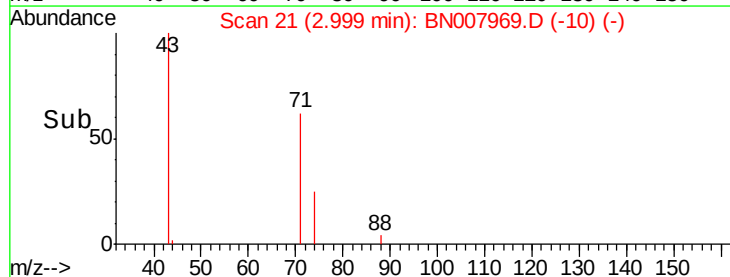
#3

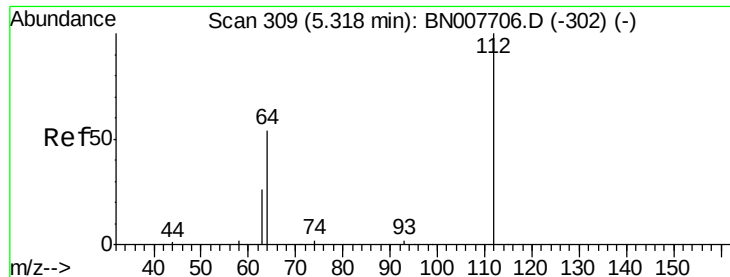
n-Nitrosodimethylamine
Concen: 0.683 ng
RT: 3.00 min Scan# 21
Delta R.T. -0.01 min
Lab File: BN007969.D
Acq: 02 Oct 2019 17:18

Tgt Ion: 42 Resp: 2102
Ion Ratio Lower Upper
42 100
74 163.1 87.9 131.9#
44 26.8 29.4 44.0#



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: 0.045 ng

RT: 5.31 min Scan# 308

Delta R.T. -0.01 min

Lab File: BN007969.D

Acq: 02 Oct 2019 17:18

Instrument :

BNA_N

ClientSampleId :

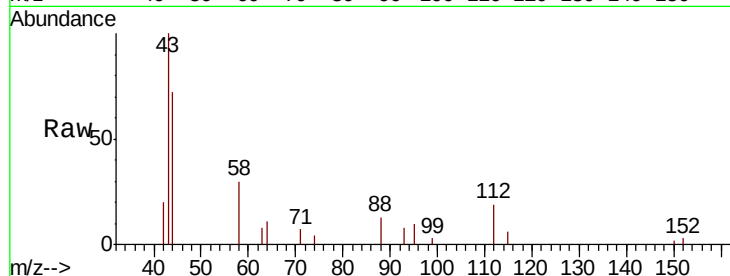
Tot Ion: 112 Resp: 936

Ion Ratio Lower Upper

112 100

64 54.4 46.6 70.0

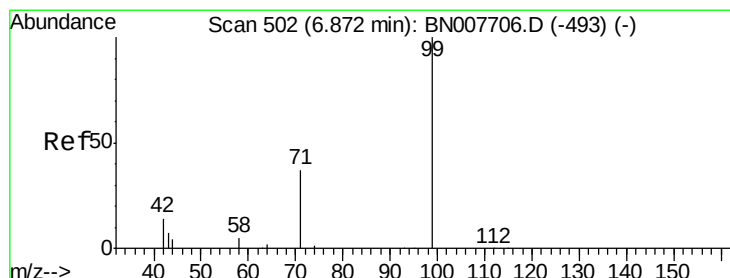
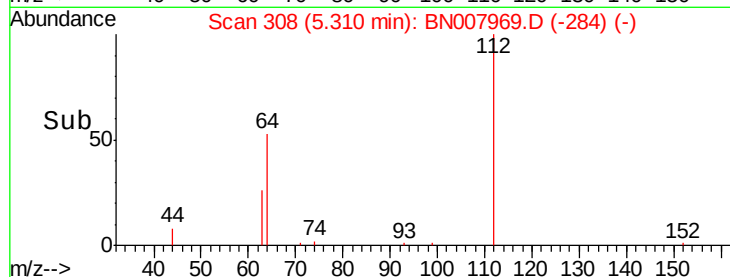
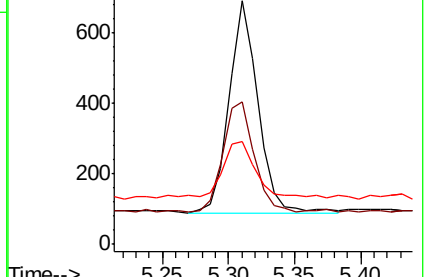
63 29.8 23.1 34.7



Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BNC

Ion 63.00 (62.70 to 63.70): BNC



#5

Phenol-d6

Concen: 0.043 ng

RT: 6.87 min Scan# 502

Delta R.T. 0.00 min

Lab File: BN007969.D

Acq: 02 Oct 2019 17:18

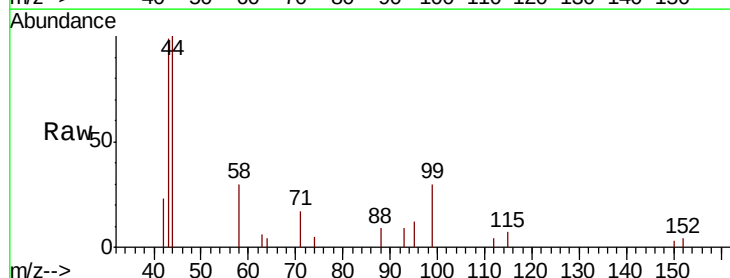
Tgt Ion: 99 Resp: 1255

Ion Ratio Lower Upper

99 100

42 21.5 12.8 19.2#

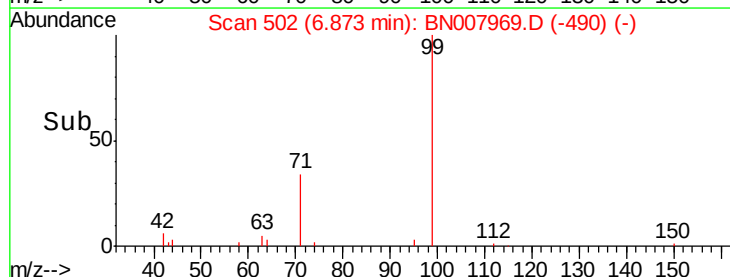
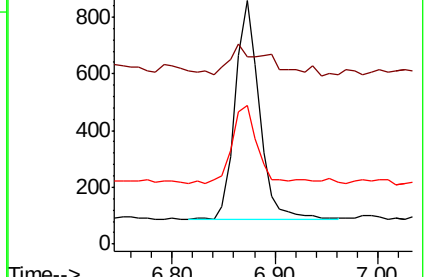
71 36.6 27.6 41.4

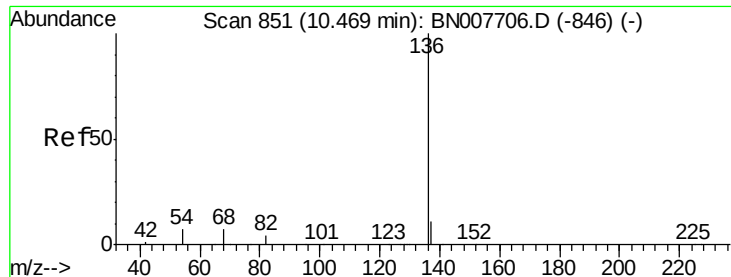


Abundance Ion 99.00 (98.70 to 99.70): BNC

Ion 42.00 (41.70 to 42.70): BNC

Ion 71.00 (70.70 to 71.70): BNC





#7

Naphthalene-d8

Concen: 0.400 ng

RT: 10.46 min Scan# 850

Delta R.T. -0.01 min

Lab File: BN007969.D

Acq: 02 Oct 2019 17:18

Instrument :

BNA_N

ClientSampleId :

Tot Ion:136 Resp: 25390

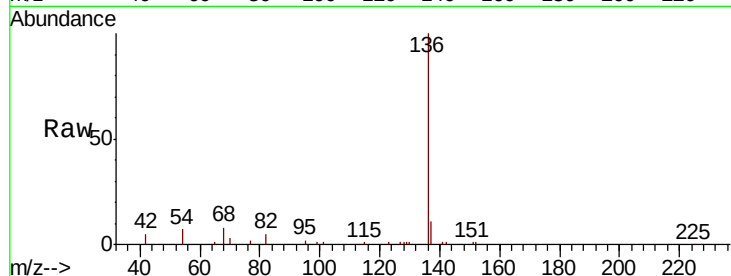
Ion Ratio Lower Upper

136 100

137 11.4 9.2 13.8

54 6.9 5.8 8.8

68 7.7 6.5 9.7

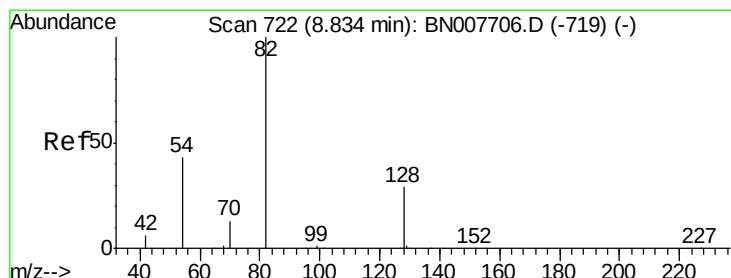
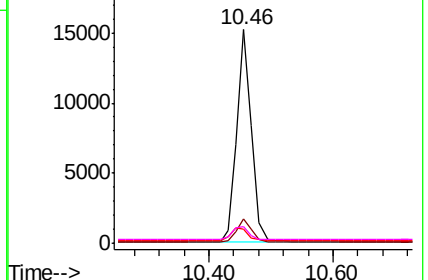
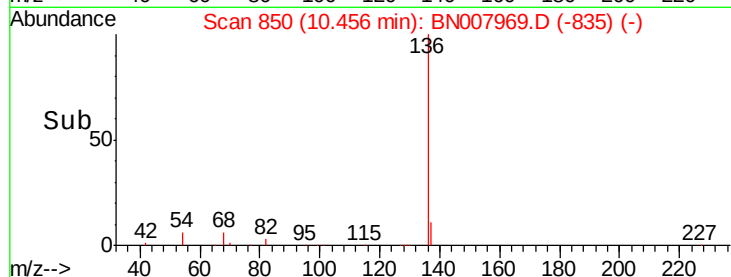


Abundance Ion 136.00 (135.70 to 136.70): E

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: 0.045 ng

RT: 8.82 min Scan# 721

Delta R.T. -0.01 min

Lab File: BN007969.D

Acq: 02 Oct 2019 17:18

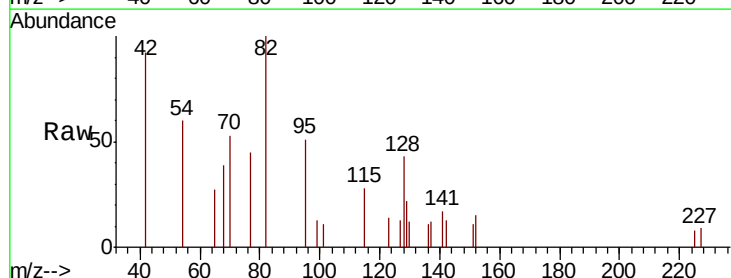
Tgt Ion: 82 Resp: 1004

Ion Ratio Lower Upper

82 100

128 43.4 24.5 36.7#

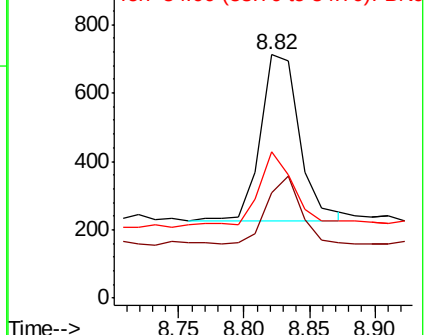
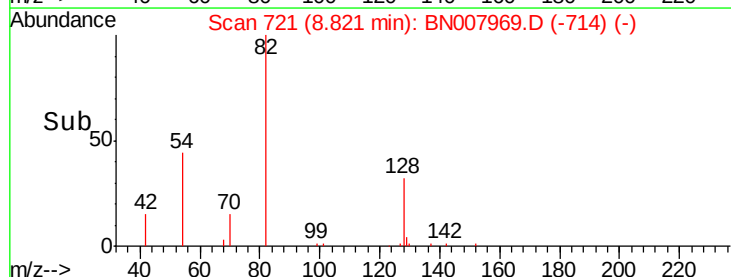
54 60.4 35.2 52.8#

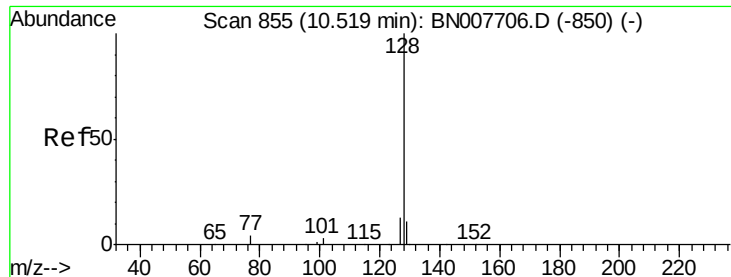


Abundance Ion 82.00 (81.70 to 82.70): BNC

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BNC





#9

Naphthalene

Concen: 0.023 ng

RT: 10.51 min Scan# 854

Delta R.T. -0.01 min

Lab File: BN007969.D

Acq: 02 Oct 2019 17:18

Instrument :

BNA_N

ClientSampled :

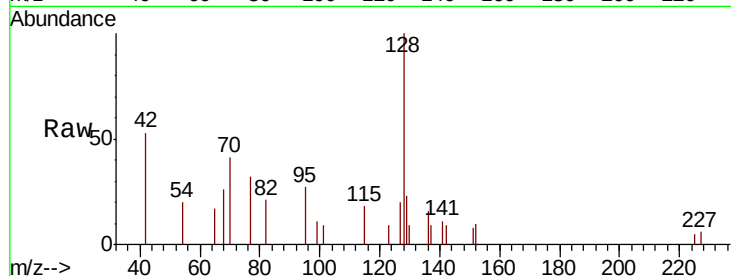
Tot Ion:128 Resp: 1615

Ion Ratio Lower Upper

128 100

129 22.7 9.1 13.7#

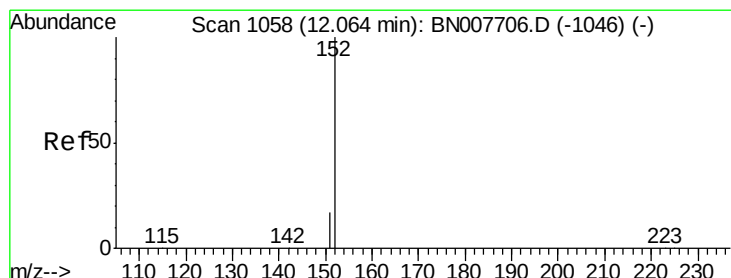
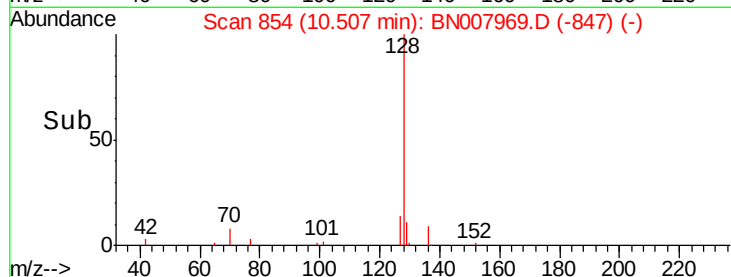
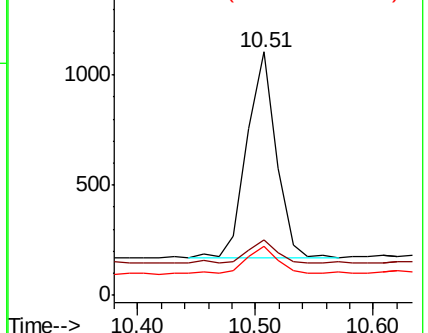
127 20.2 10.6 15.8#



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: 0.046 ng

RT: 12.05 min Scan# 1055

Delta R.T. -0.01 min

Lab File: BN007969.D

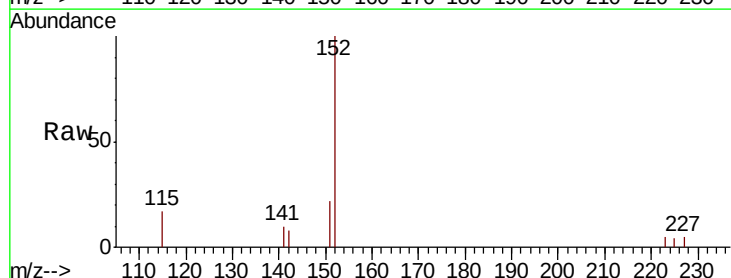
Acq: 02 Oct 2019 17:18

Tgt Ion:152 Resp: 1975

Ion Ratio Lower Upper

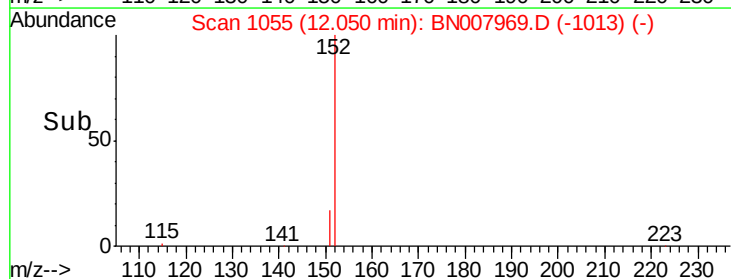
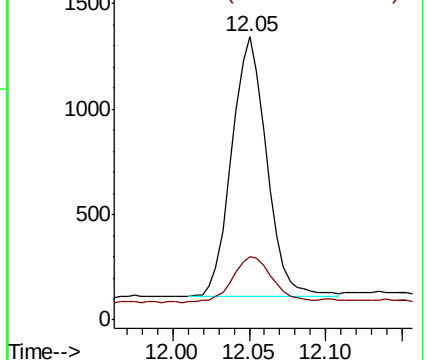
152 100

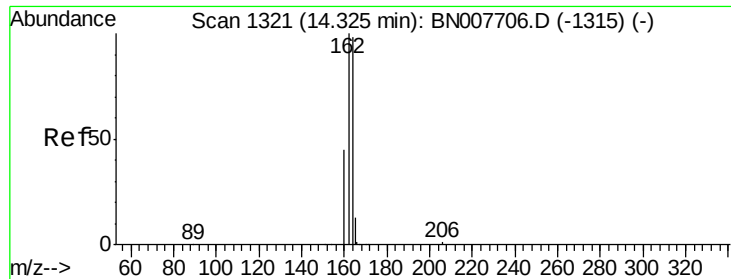
151 20.0 15.4 23.2



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: 14.31 min Scan# 1319

Delta R.T. -0.02 min

Lab File: BN007969.D

Acq: 02 Oct 2019 17:18

Instrument :

BNA_N

ClientSampleId :

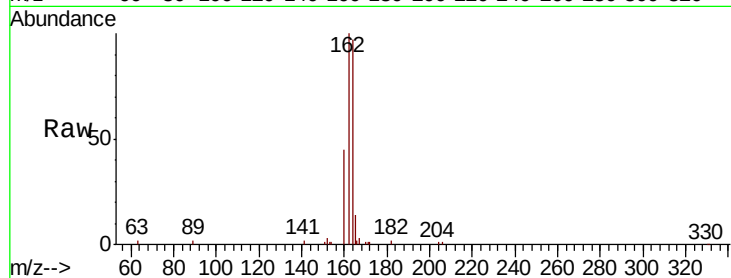
Tot Ion:164 Resp: 16223

Ion Ratio Lower Upper

164 100

162 102.8 81.7 122.5

160 45.8 37.0 55.4

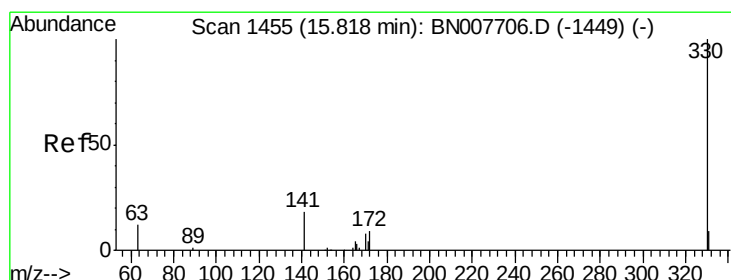
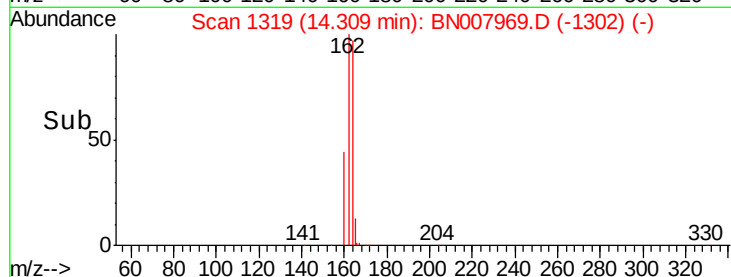
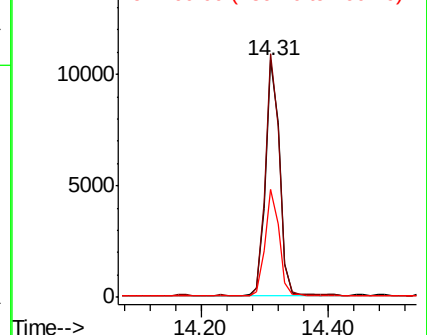


Abundance

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: 0.043 ng

RT: 15.80 min Scan# 1453

Delta R.T. -0.02 min

Lab File: BN007969.D

Acq: 02 Oct 2019 17:18

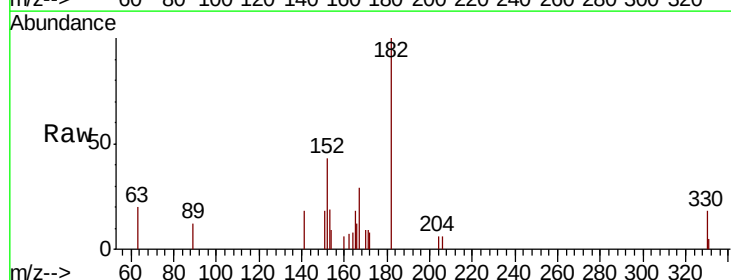
Tgt Ion:330 Resp: 383

Ion Ratio Lower Upper

330 100

332 0.0 0.0 0.0

141 51.2 28.7 43.1#

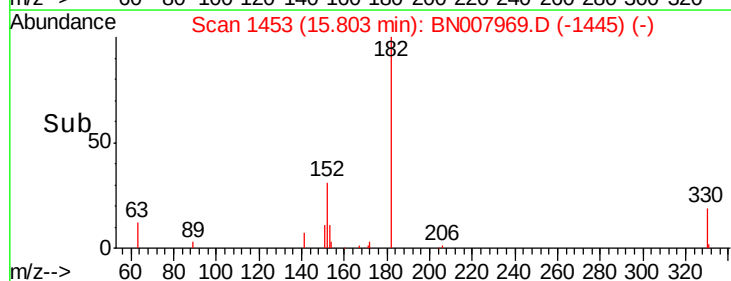
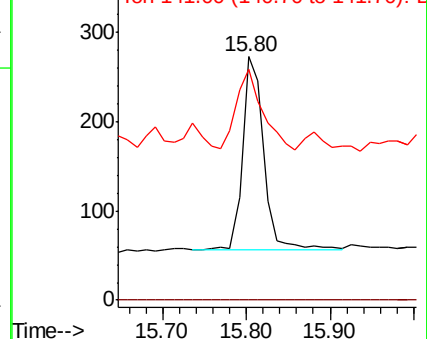


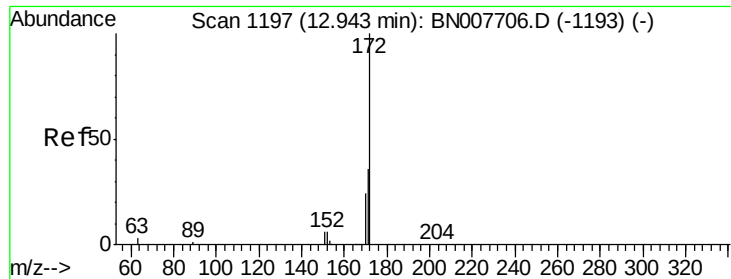
Abundance

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

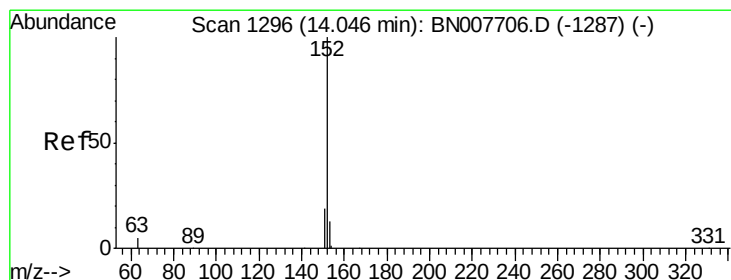
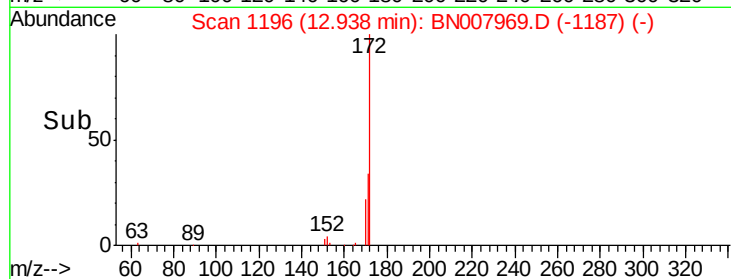
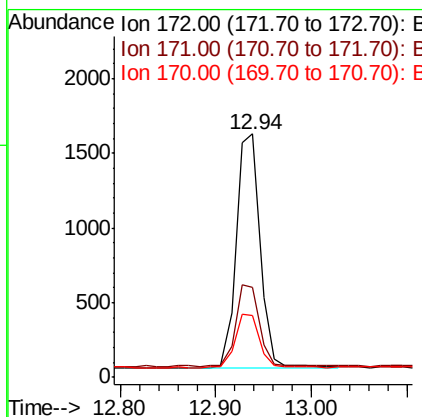
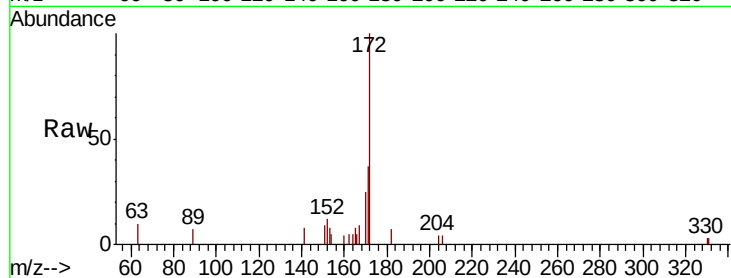




#15
2-Fluorobiphenyl
Concen: 0.041 ng
RT: 12.94 min Scan# 1196
Delta R.T. -0.00 min
Lab File: BN007969.D
Acq: 02 Oct 2019 17:18

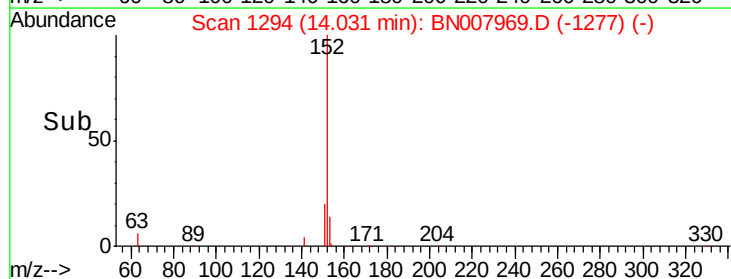
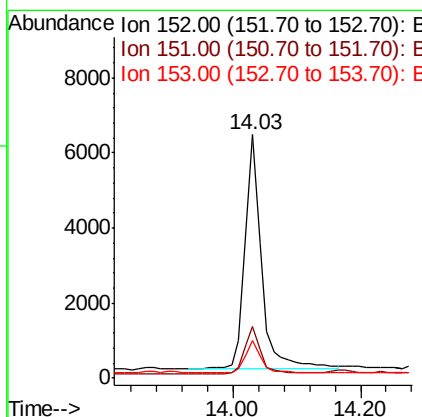
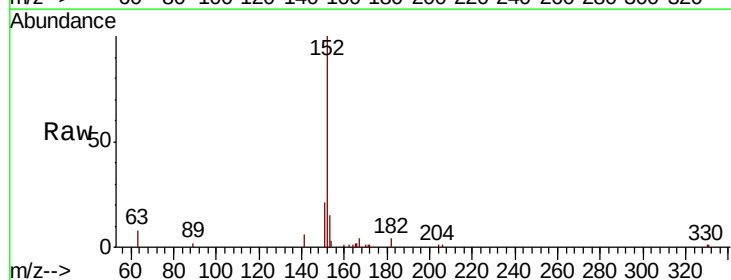
Instrument :
BNA_N
ClientSampleId :

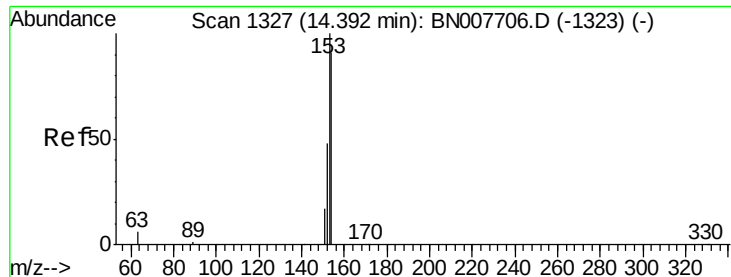
Tot Ion:172 Resp: 2735
Ion Ratio Lower Upper
172 100
171 36.8 28.8 43.2
170 25.2 19.5 29.3



#16
Acenaphthylene
Concen: 0.134 ng
RT: 14.03 min Scan# 1294
Delta R.T. -0.02 min
Lab File: BN007969.D
Acq: 02 Oct 2019 17:18

Tgt Ion:152 Resp: 11509
Ion Ratio Lower Upper
152 100
151 19.6 15.5 23.3
153 13.1 10.4 15.6





#17

Acenaphthene

Concen: 0.104 ng

RT: 14.38 min Scan# 1325

Delta R.T. -0.02 min

Lab File: BN007969.D

Acq: 02 Oct 2019 17:18

Instrument :

BNA_N

ClientSampleId :

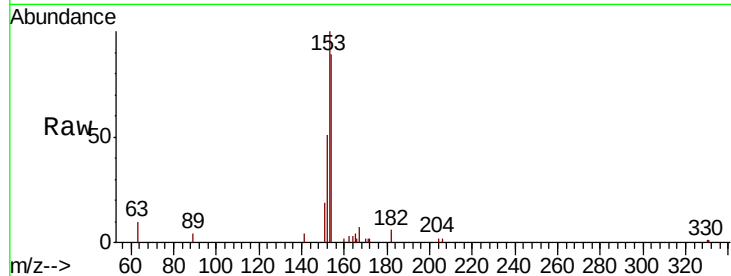
Tot Ion:154 Resp: 5749

Ion Ratio Lower Upper

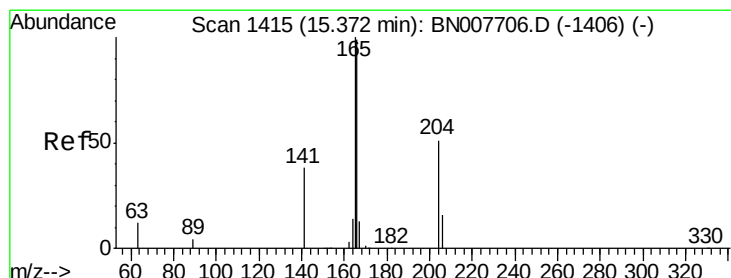
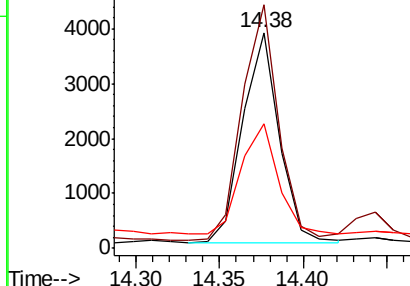
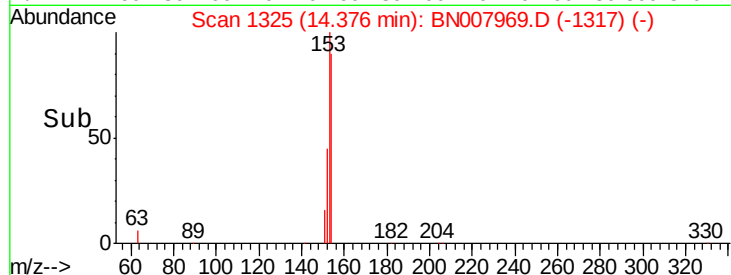
154 100

153 111.7 87.0 130.4

152 53.5 42.7 64.1



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: 0.108 ng

RT: 15.37 min Scan# 1414

Delta R.T. -0.00 min

Lab File: BN007969.D

Acq: 02 Oct 2019 17:18

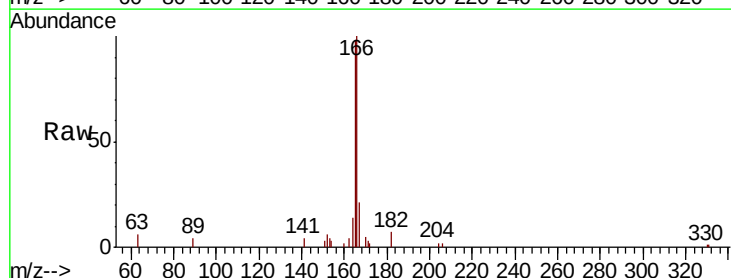
Tgt Ion:166 Resp: 7667

Ion Ratio Lower Upper

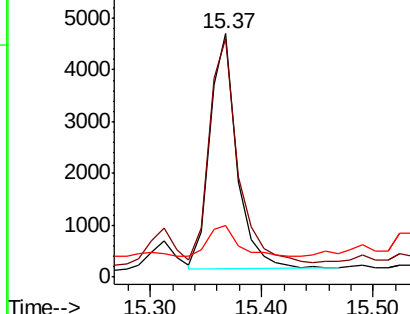
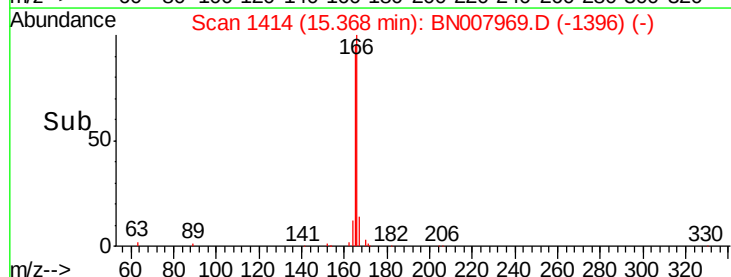
166 100

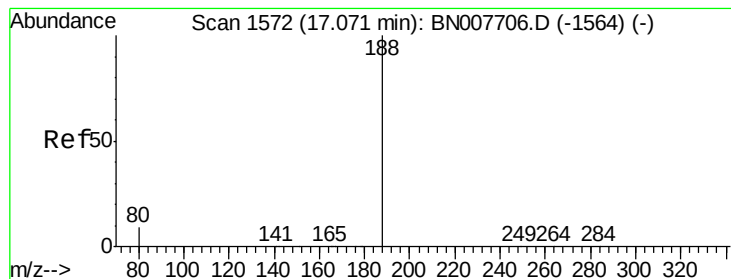
165 101.4 78.0 117.0

167 15.7 10.9 16.3



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: 17.06 min Scan# 1570

Delta R.T. -0.01 min

Lab File: BN007969.D

Acq: 02 Oct 2019 17:18

Instrument :

BNA_N

ClientSampleId :

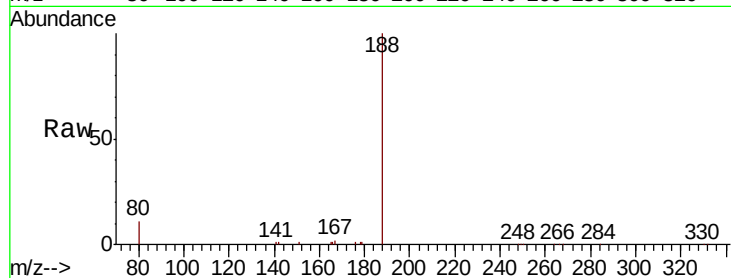
Tot Ion:188 Resp: 34506

Ion Ratio Lower Upper

188 100

94 0.0 0.0 0.0

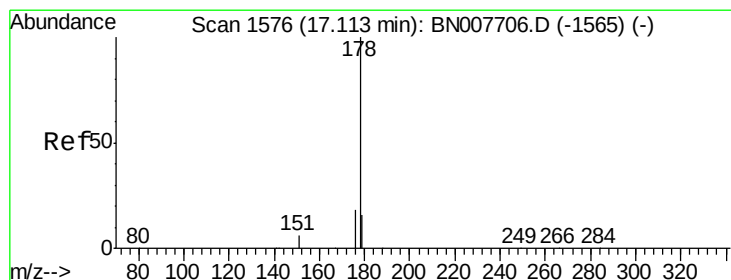
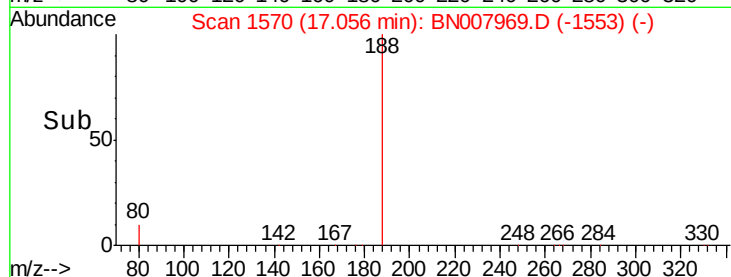
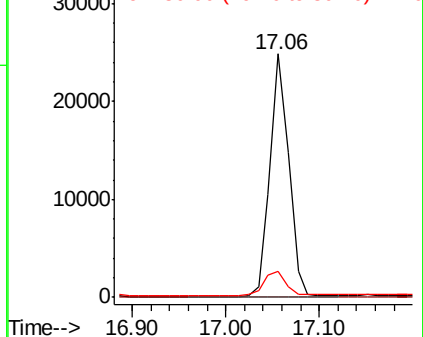
80 10.6 7.4 11.2



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



#23

Phenanthrene

Concen: 2.315 ng

RT: 17.10 min Scan# 1574

Delta R.T. -0.01 min

Lab File: BN007969.D

Acq: 02 Oct 2019 17:18

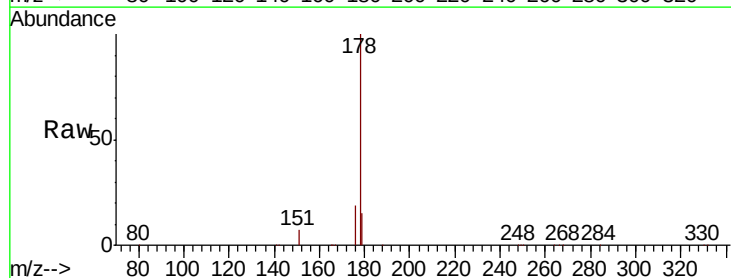
Tgt Ion:178 Resp: 248872

Ion Ratio Lower Upper

178 100

176 18.6 14.9 22.3

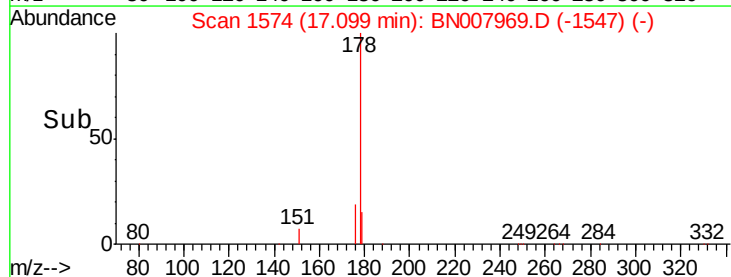
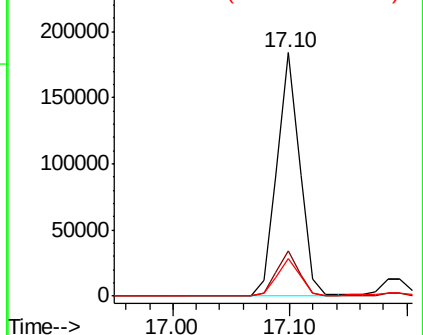
179 15.5 12.5 18.7

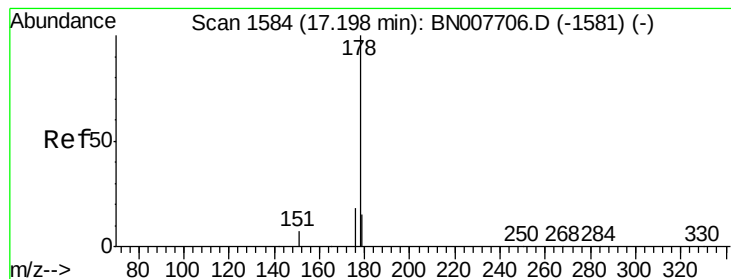


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#24

Anthracene

Concen: 0.213 ng

RT: 17.19 min Scan# 1583

Delta R.T. -0.00 min

Lab File: BN007969.D

Acq: 02 Oct 2019 17:18

Instrument :

BNA_N

ClientSampled :

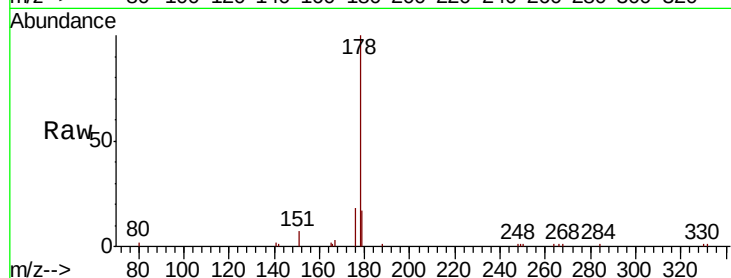
Tot Ion:178 Resp: 20679

Ion Ratio Lower Upper

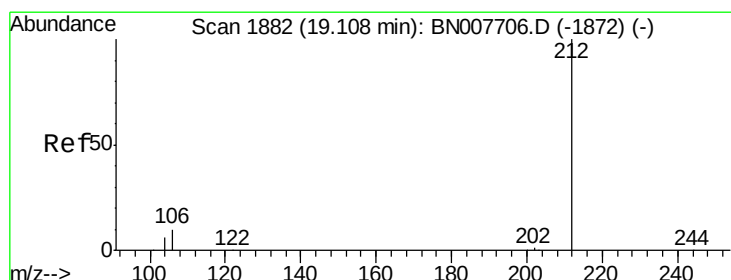
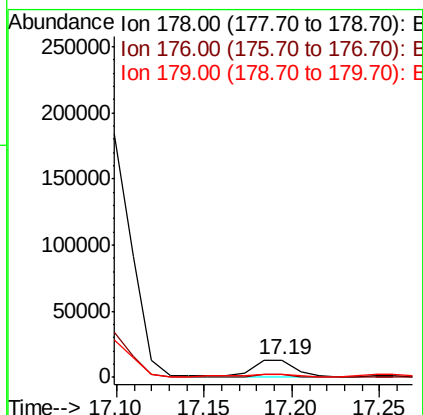
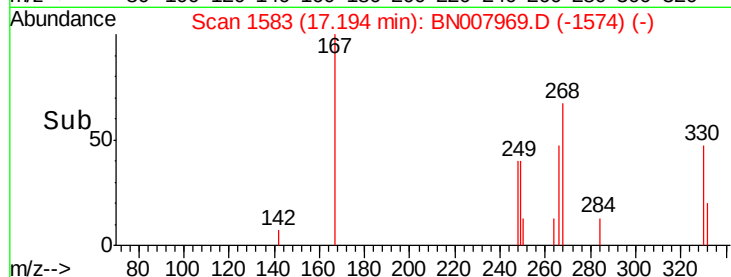
178 100

176 17.9 14.6 21.8

179 22.8 12.2 18.4#



Abundance Ion 178.00 (177.70 to 178.70): E
Ion 176.00 (175.70 to 176.70): E
Ion 179.00 (178.70 to 179.70): E



#25

Fluoranthene-d10

Concen: 0.042 ng

RT: 19.09 min Scan# 1878

Delta R.T. -0.01 min

Lab File: BN007969.D

Acq: 02 Oct 2019 17:18

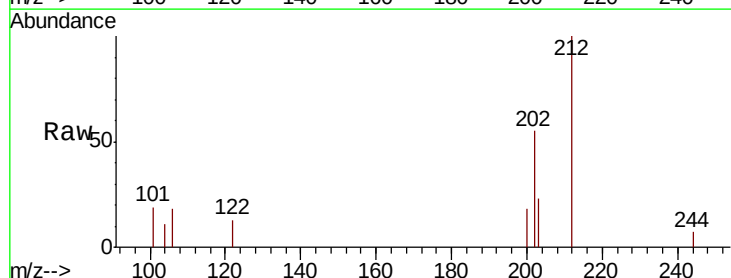
Tgt Ion:212 Resp: 4865

Ion Ratio Lower Upper

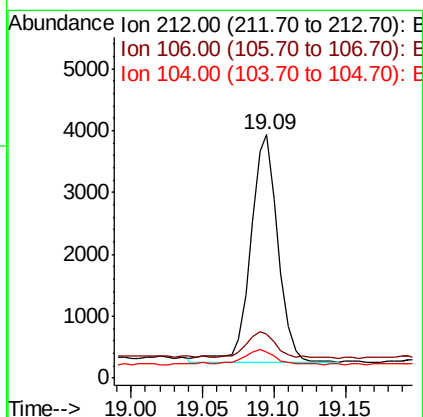
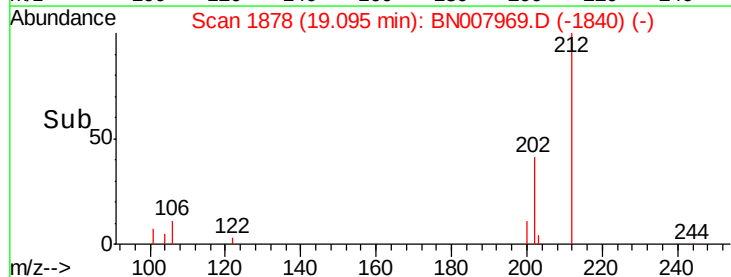
212 100

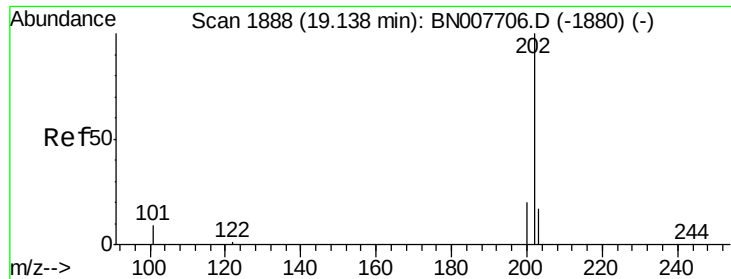
106 13.5 9.4 14.0

104 7.6 5.3 7.9



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

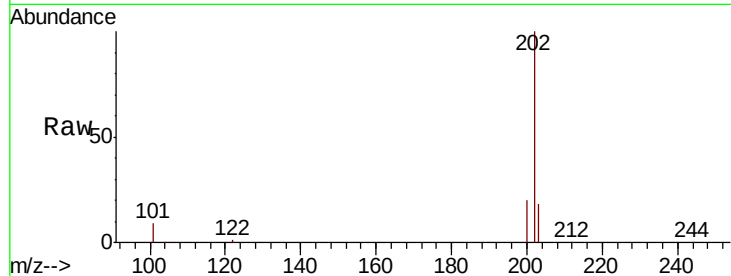




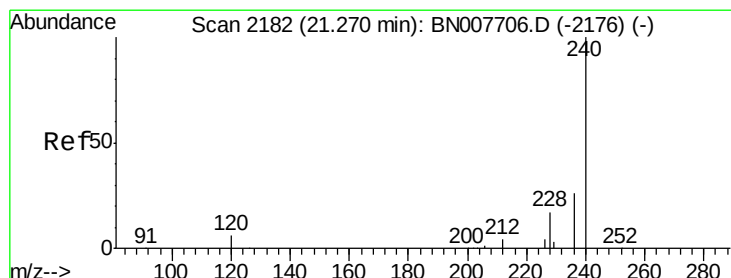
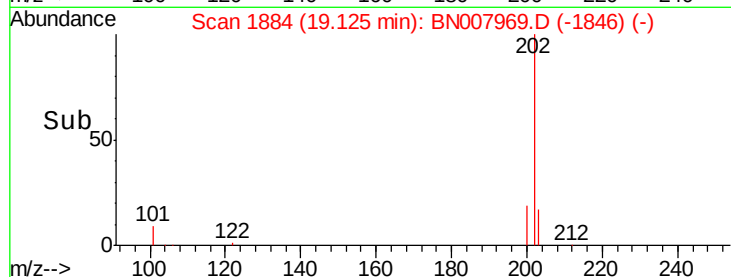
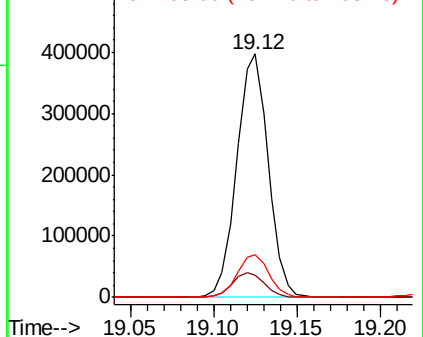
#26
Fluoranthene
Concen: 3.890 ng
RT: 19.12 min Scan# 1884
Delta R.T. -0.01 min
Lab File: BN007969.D
Acq: 02 Oct 2019 17:18

Instrument :
BNA_N
ClientSampleId :

Tot Ion:202 Resp: 519906
Ion Ratio Lower Upper
202 100
101 10.1 8.4 12.6
203 17.5 13.8 20.8

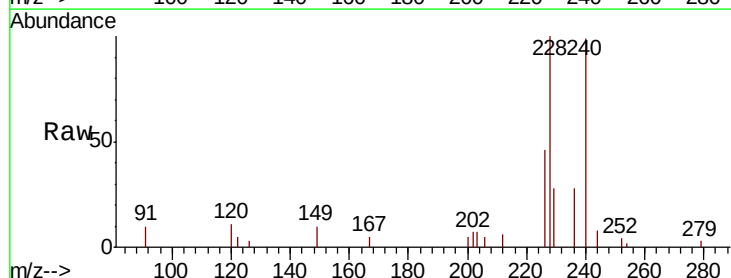


Abundance Ion 202.00 (201.70 to 202.70): E
Ion 101.00 (100.70 to 101.70): E
Ion 203.00 (202.70 to 203.70): E

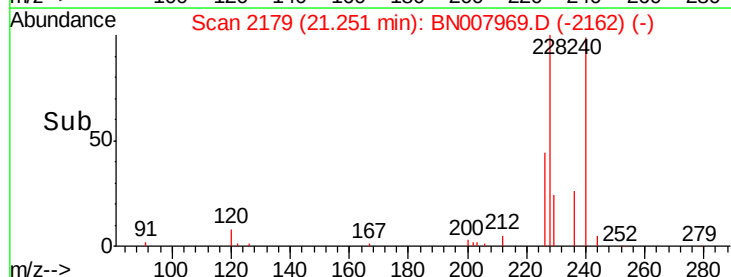
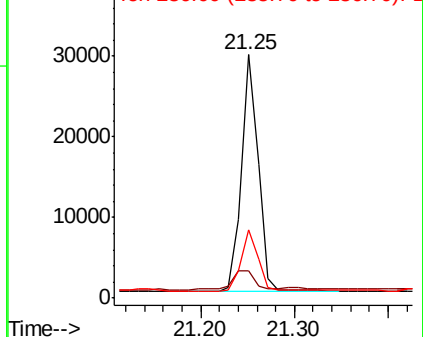


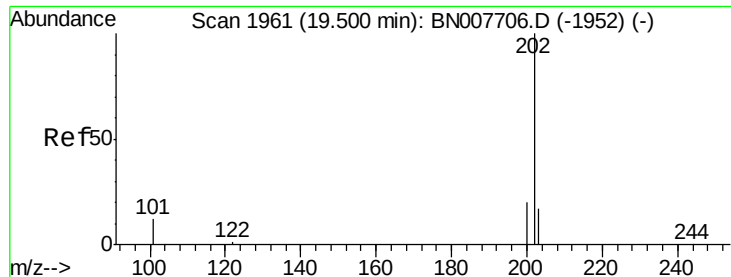
#27
Chrysene-d12
Concen: 0.400 ng
RT: 21.25 min Scan# 2179
Delta R.T. -0.02 min
Lab File: BN007969.D
Acq: 02 Oct 2019 17:18

Tgt Ion:240 Resp: 36691
Ion Ratio Lower Upper
240 100
120 11.4 5.4 8.2#
236 28.2 21.0 31.4



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

Pvrene

Concen: 3.410 ng

RT: 19.49 min Scan# 1957

Delta R.T. -0.01 min

Lab File: BN007969.D

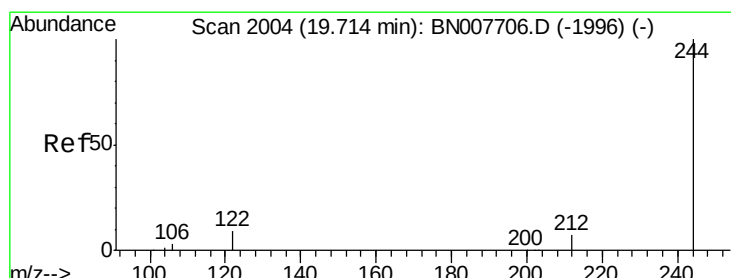
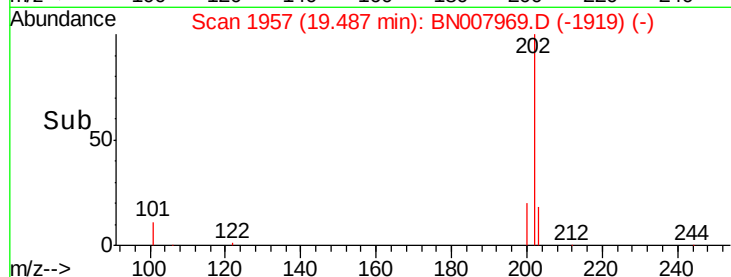
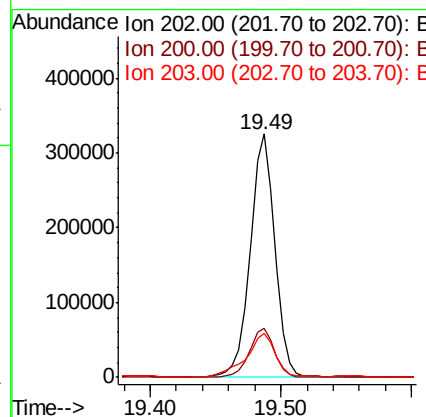
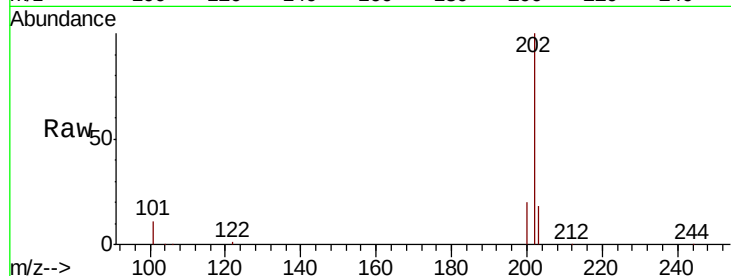
Acq: 02 Oct 2019 17:18

Instrument :

BNA_N

ClientSampleId :

Tot Ion:	202	Resp:	426779
Ion	Ratio	Lower	Upper
202	100		
200	20.4	16.4	24.6
203	21.1	14.1	21.1#



#29

Terphenyl-d14

Concen: 0.045 ng

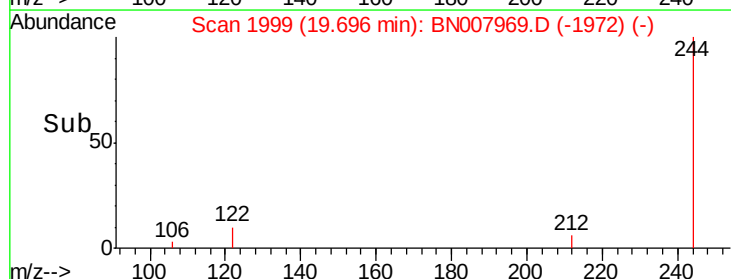
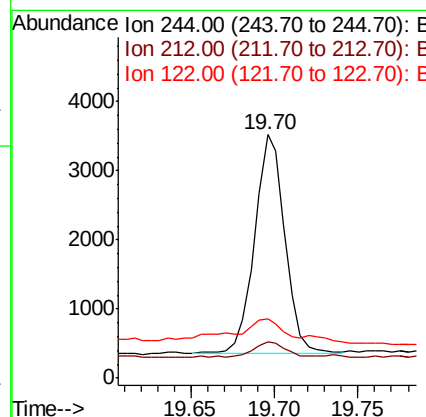
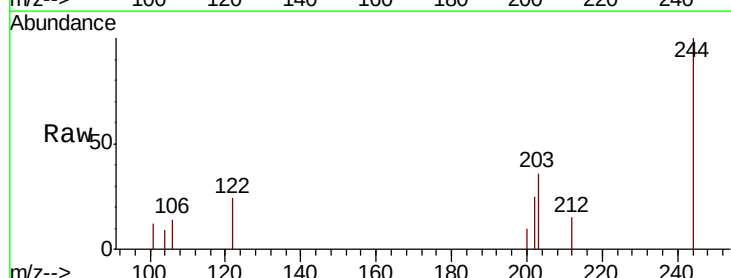
RT: 19.70 min Scan# 1999

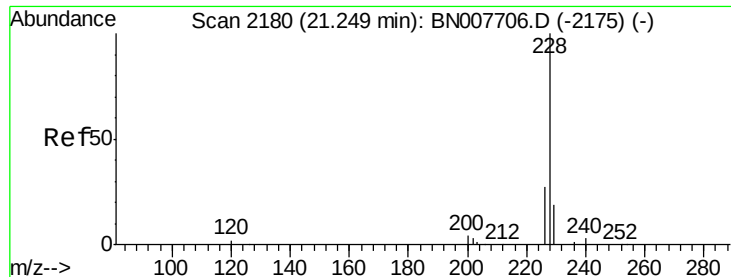
Delta R.T. -0.02 min

Lab File: BN007969.D

Acq: 02 Oct 2019 17:18

Tgt Ion:	244	Resp:	4031
Ion	Ratio	Lower	Upper
244	100		
212	14.9	5.9	8.9#
122	24.3	7.4	11.2#

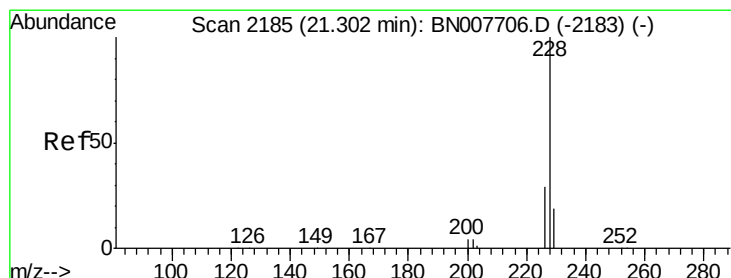
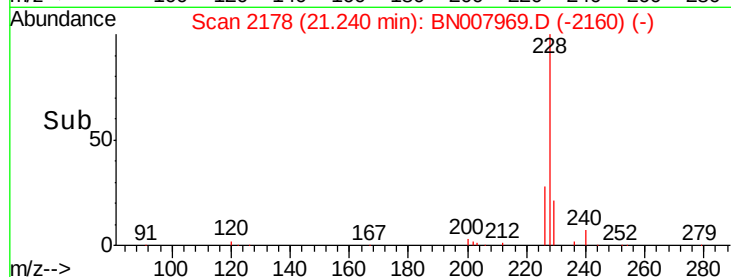
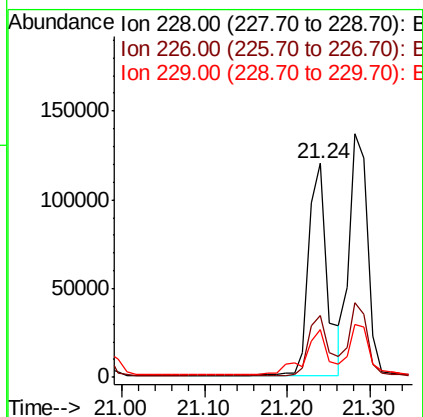
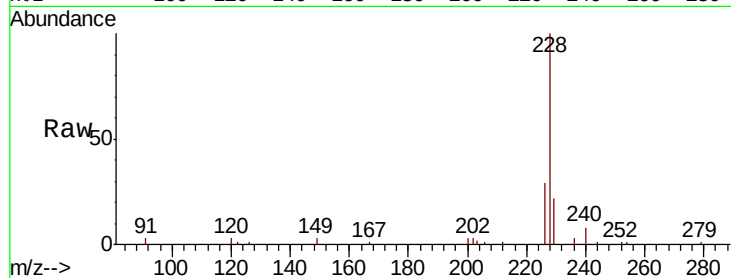




#30
Benzo(a)anthracene
Concen: 1.381 ng
RT: 21.24 min Scan# 2178
Delta R.T. -0.01 min
Lab File: BN007969.D
Acq: 02 Oct 2019 17:18

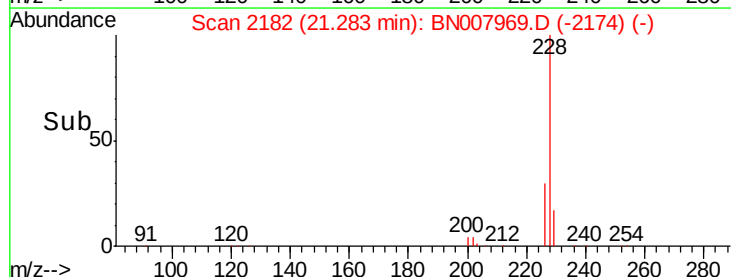
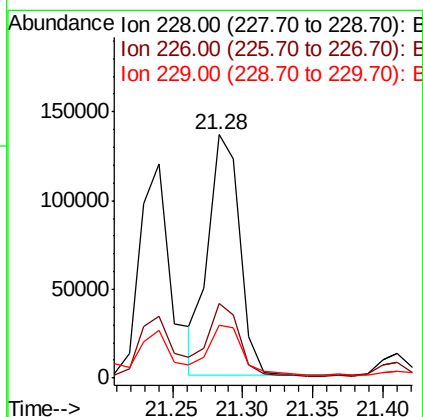
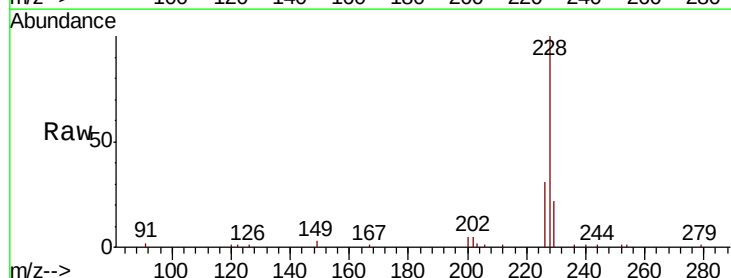
Instrument :
BNA_N
ClientSampleId :

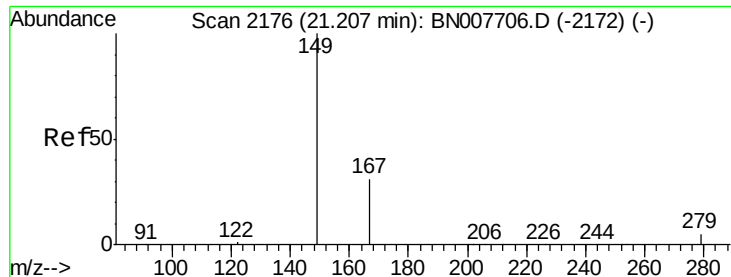
Tot Ion:228 Resp: 186591
Ion Ratio Lower Upper
228 100
226 29.1 22.1 33.1
229 22.1 15.8 23.6



#31
Chrysene
Concen: 1.607 ng
RT: 21.28 min Scan# 2182
Delta R.T. -0.02 min
Lab File: BN007969.D
Acq: 02 Oct 2019 17:18

Tgt Ion:228 Resp: 211596
Ion Ratio Lower Upper
228 100
226 30.9 23.9 35.9
229 22.0 15.8 23.6





#32

Bis(2-ethylhexyl)phthalate

Concen: 0.099 ng

RT: 21.18 min Scan# 2172

Delta R.T. -0.03 min

Lab File: BN007969.D

Acq: 02 Oct 2019 17:18

Instrument :

BNA_N

ClientSampled :

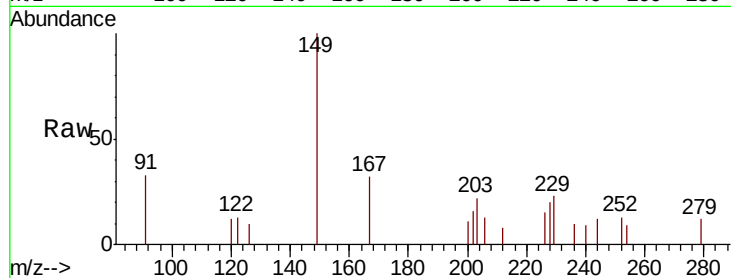
Tot Ion:149 Resp: 6914

Ion Ratio Lower Upper

149 100

167 32.5 23.7 35.5

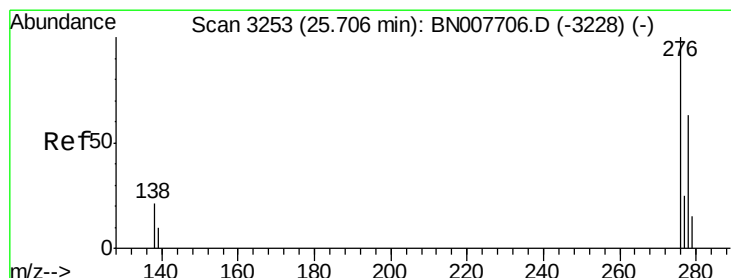
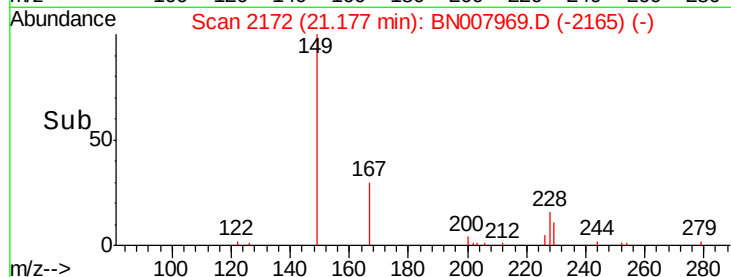
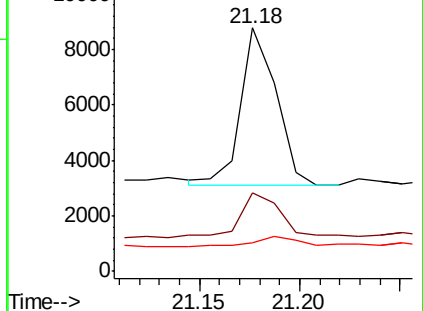
279 9.5 4.2 6.2#



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: 1.001 ng

RT: 25.67 min Scan# 3242

Delta R.T. -0.03 min

Lab File: BN007969.D

Acq: 02 Oct 2019 17:18

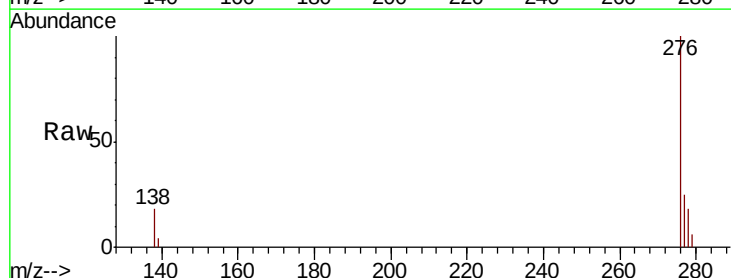
Tgt Ion:276 Resp: 165003

Ion Ratio Lower Upper

276 100

138 17.3 17.1 25.7

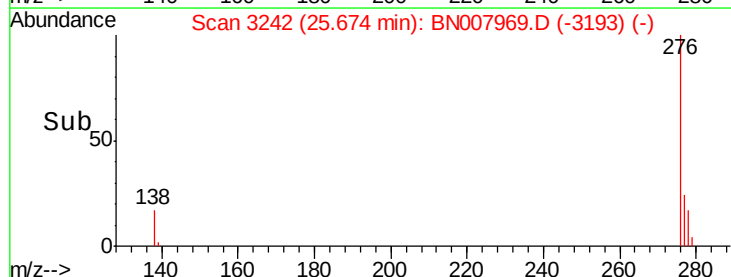
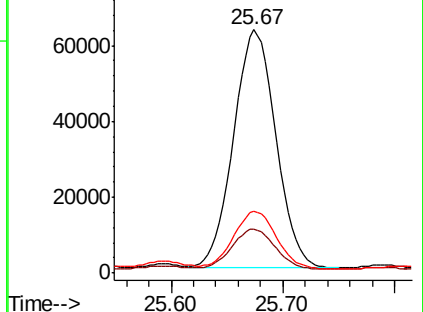
277 24.6 20.0 30.0

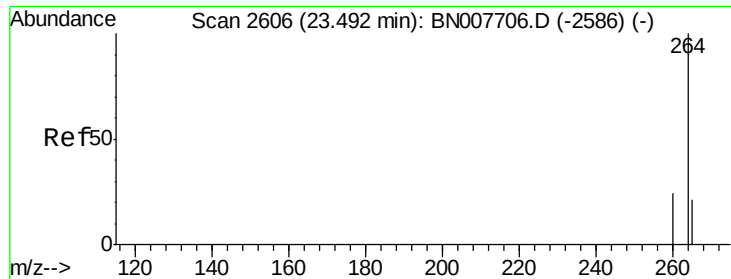


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E

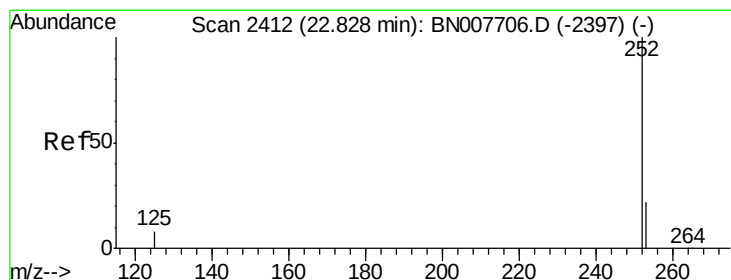
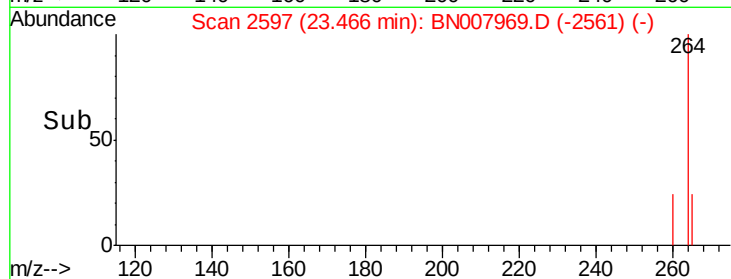
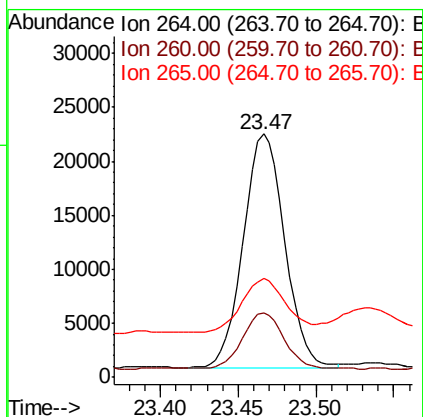
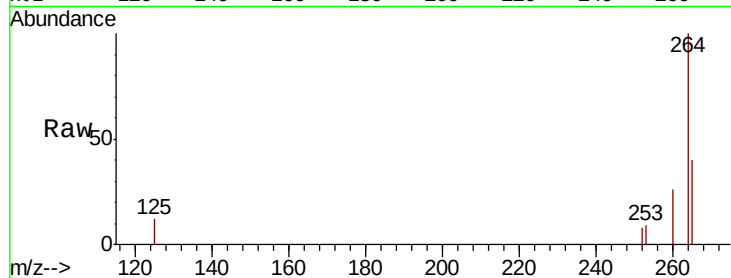




#34
 Pervlene-d12
 Concen: 0.400 ng
 RT: 23.47 min Scan# 2597
 Delta R.T. -0.03 min
 Lab File: BN007969.D
 Acq: 02 Oct 2019 17:18

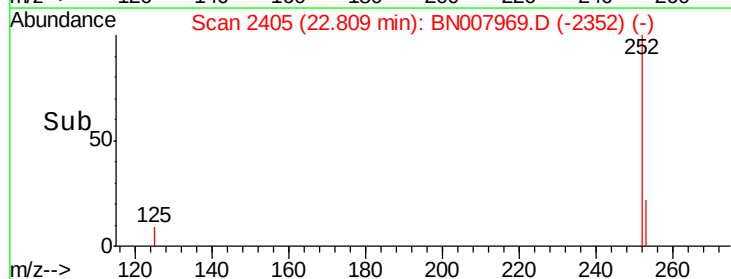
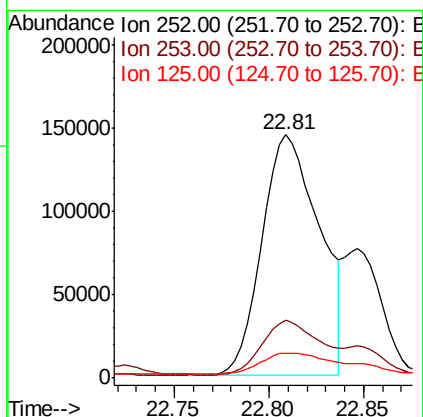
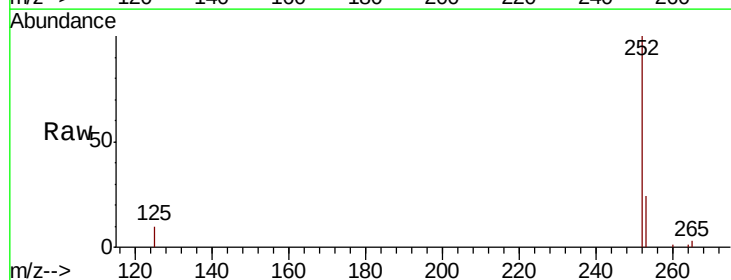
Instrument :
 BNA_N
 ClientSampleId :

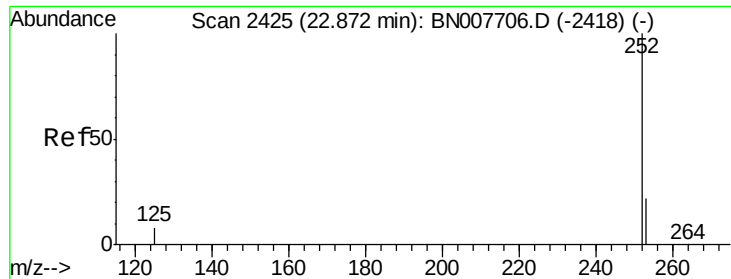
Tot Ion:264 Resp: 39922
 Ion Ratio Lower Upper
 264 100
 260 26.5 19.3 28.9
 265 40.4 26.9 40.3#



#35
 Benzo(b)fluoranthene
 Concen: 2.206 ng
 RT: 22.81 min Scan# 2405
 Delta R.T. -0.02 min
 Lab File: BN007969.D
 Acq: 02 Oct 2019 17:18

Tgt Ion:252 Resp: 305755
 Ion Ratio Lower Upper
 252 100
 253 23.6 18.3 27.5
 125 10.4 8.2 12.4

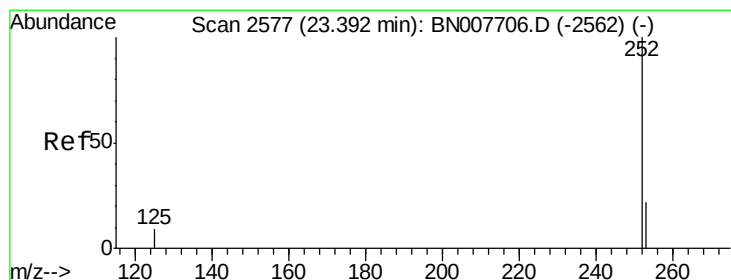
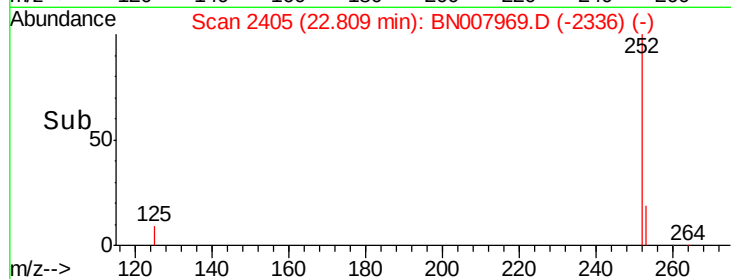
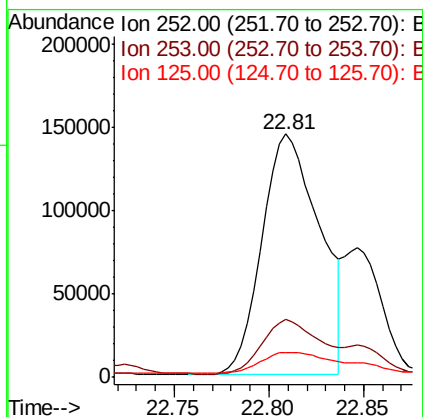
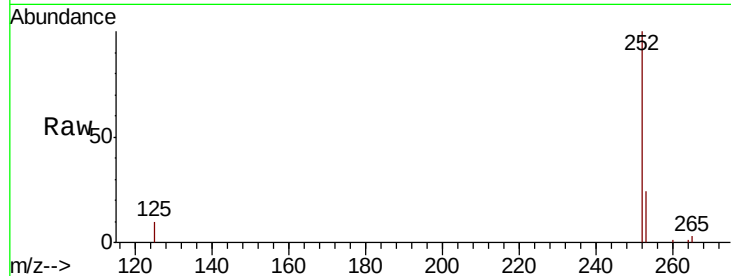




#36
Benzo(k)fluoranthene
Concen: 2.231 ng
RT: 22.81 min Scan# 2405
Delta R.T. -0.06 min
Lab File: BN007969.D
Acq: 02 Oct 2019 17:18

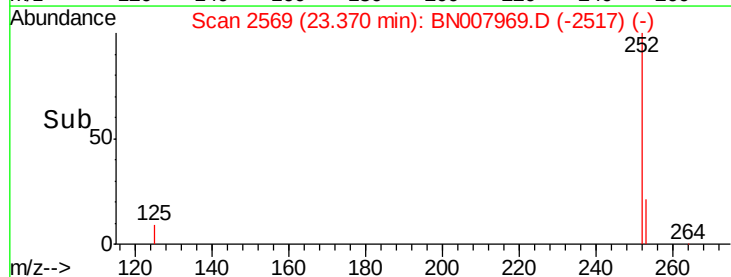
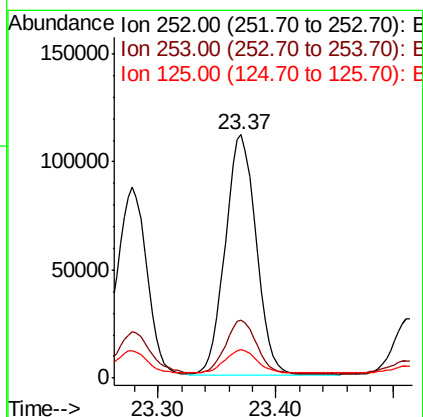
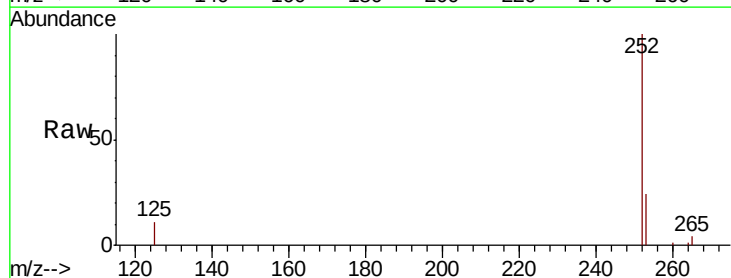
Instrument :
BNA_N
ClientSampleId :

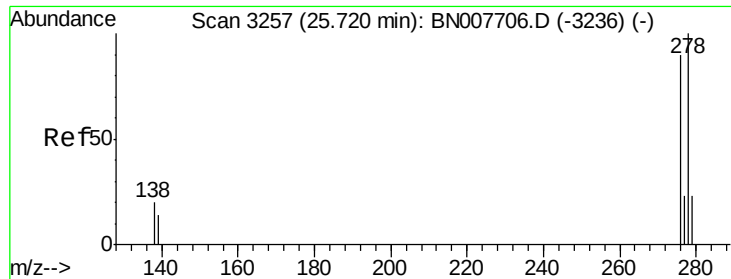
Tot Ion	Ratio	Lower	Upper
252	100		
253	23.6	18.5	27.7
125	10.4	8.4	12.6



#37
Benzo(a)pyrene
Concen: 1.544 ng
RT: 23.37 min Scan# 2569
Delta R.T. -0.02 min
Lab File: BN007969.D
Acq: 02 Oct 2019 17:18

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.6	18.6	27.8
125	11.5	9.4	14.0

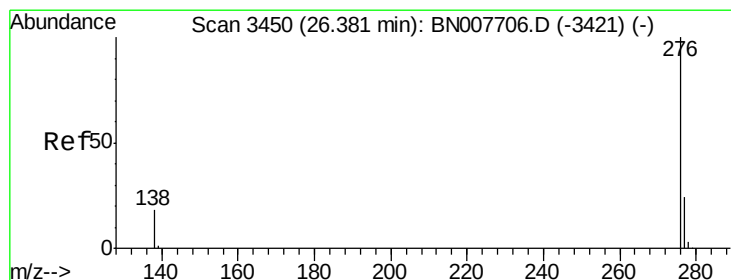
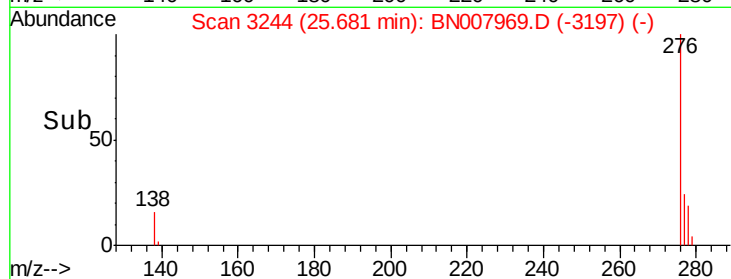
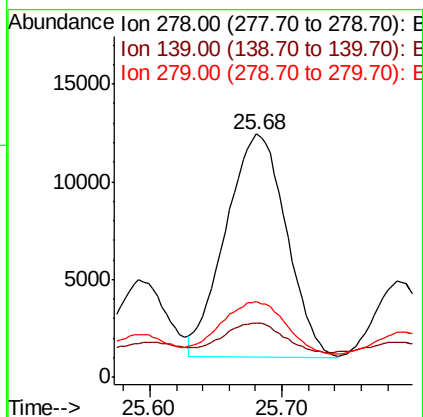
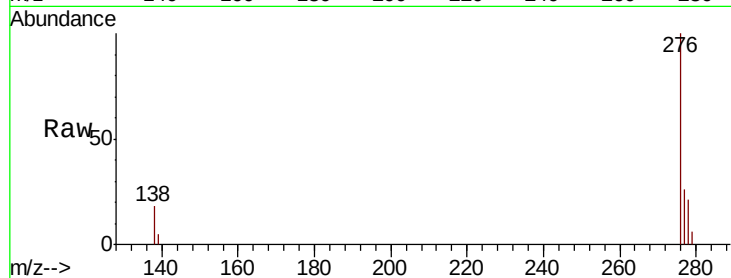




#38
Dibenzo(a,h)anthracene
Concen: 0.273 ng
RT: 25.68 min Scan# 3244
Delta R.T. -0.04 min
Lab File: BN007969.D
Acq: 02 Oct 2019 17:18

Instrument :
BNA_N
ClientSampleId :

Tot Ion:278 Resp: 36434
Ion Ratio Lower Upper
278 100
139 22.5 11.8 17.6#
279 31.0 19.4 29.2#



#39
Benzo(g,h,i)perylene
Concen: 1.266 ng
RT: 26.35 min Scan# 3440
Delta R.T. -0.03 min
Lab File: BN007969.D
Acq: 02 Oct 2019 17:18

Tgt Ion:276 Resp: 166889
Ion Ratio Lower Upper
276 100
277 25.2 19.8 29.8
138 18.9 15.1 22.7

