

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN081019\
 Data File : BN007076.D
 Acq On : 11 Aug 2019 08:36
 Operator : HP/JU
 Sample : K4143-01
 Misc :
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :

Quant Time: Aug 12 04:42:15 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\8270-SIM-BN081019.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sat Aug 10 21:44:50 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.43	152	9874	0.40	ng	0.00
6) Naphthalene-d8	10.19	136	37843	0.40	ng	0.00
12) Acenaphthene-d10	14.08	164	21845	0.40	ng	0.00
18) Phenanthrene-d10	16.82	188	53639	0.40	ng	0.00
26) Chrysene-d12	21.05	240	55253	0.40	ng	-0.01
32) Perylene-d12	23.16	264	62146	0.40	ng	-0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
3) 2-Fluorophenol	5.06	112	5112	0.22	ng	0.00
4) Phenol-d6	6.61	99	6956	0.24	ng	0.00
7) Nitrobenzene-d5	8.56	82	5409	0.18	ng	0.00
10) 2-Methylnaphthalene-d10	11.79	152	12598	0.18	ng	0.00
13) 2,4,6-Tribromophenol	15.57	330	1482	0.13	ng	0.00
14) 2-Fluorobiphenyl	12.71	172	4303	0.14	ng	0.00
24) Fluoranthene-d10	18.87	212	31773	0.17	ng	0.00
28) Terphenyl-d14	19.49	244	23379	0.16	ng	-0.01

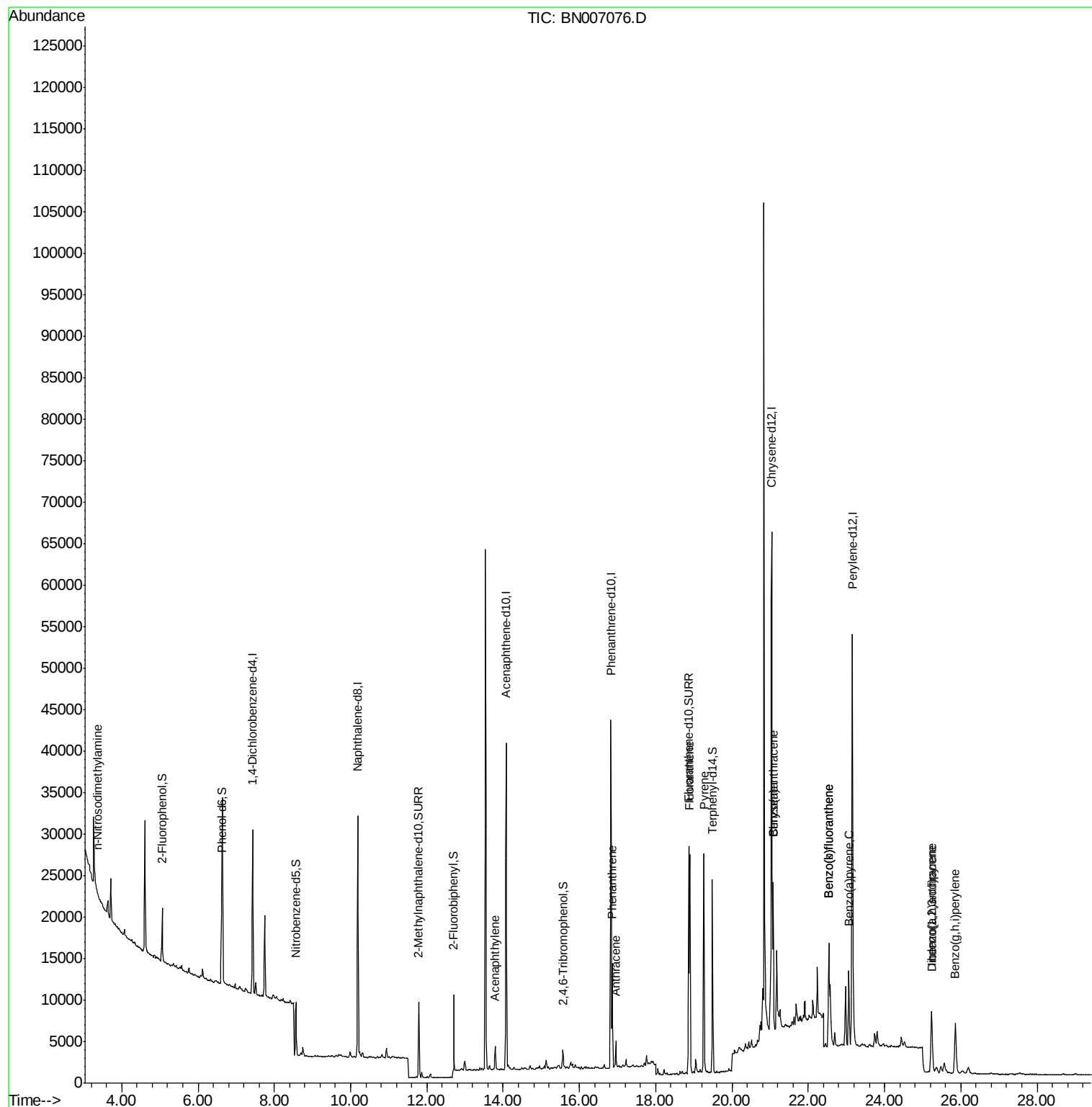
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) n-Nitrosodimethylamine	3.38	42	145	0.022	ng	# 1
15) Acenaphthylene	13.79	152	3840	0.034	ng	97
22) Phenanthrene	16.87	178	12555	0.078	ng	99
23) Anthracene	16.96	178	3611	0.025	ng	99
25) Fluoranthene	18.90	202	24161	0.117	ng	99
27) Pyrene	19.26	202	24834	0.128	ng	98
29) Benzo(a)anthracene	21.08	228	15653	0.077	ng	93
30) Chrysene	21.08	228	15604	0.079	ng	96
31) Indeno(1,2,3-cd)pyrene	25.23	276	11656	0.054	ng	98
33) Benzo(b)fluoranthene	22.54	252	19218	0.090	ng	# 89
34) Benzo(k)fluoranthene	22.54	252	19218	0.091	ng	# 89
35) Benzo(a)pyrene	23.07	252	12217	0.063	ng	# 87
36) Dibenzo(a,h)anthracene	25.25	278	4232	0.022	ng	# 65
37) Benzo(g,h,i)perylene	25.86	276	12288	0.062	ng	93

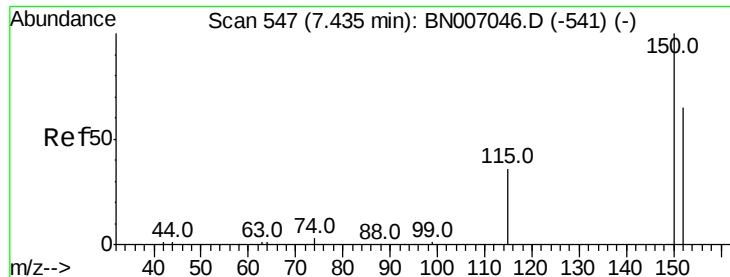
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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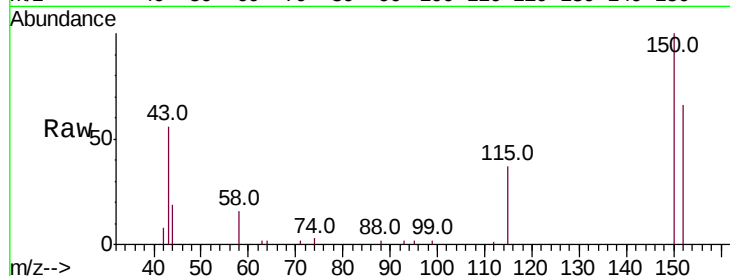


#1

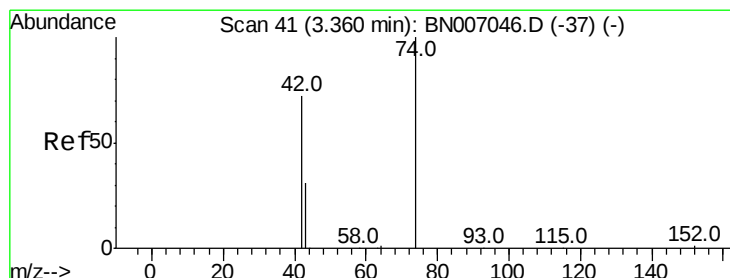
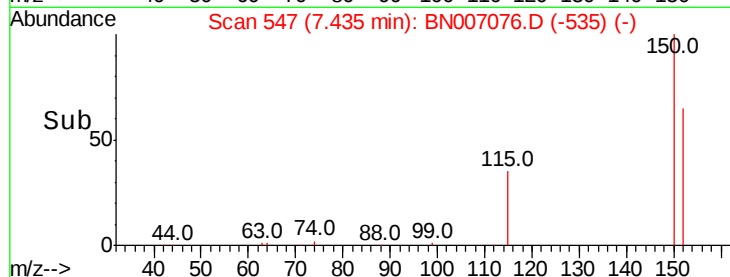
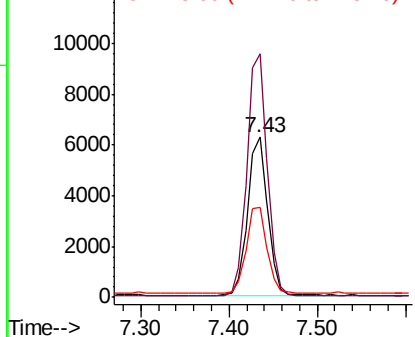
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.43 min Scan# 547
Delta R.T. -0.00 min
Lab File: BN007076.D
Acq: 11 Aug 2019 08:36

Instrument :
BNA_N
ClientSampleId :

Tot Ion:152 Resp: 9874
Ion Ratio Lower Upper
152 100
150 152.0 121.7 182.5
115 56.0 46.2 69.4



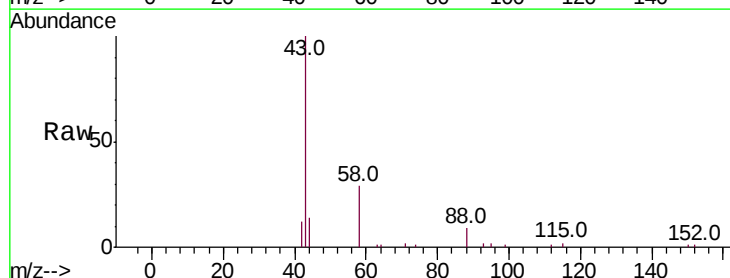
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



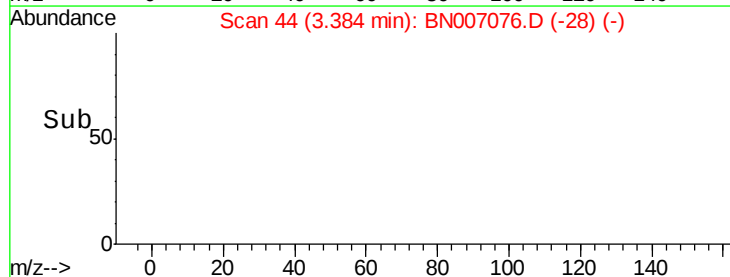
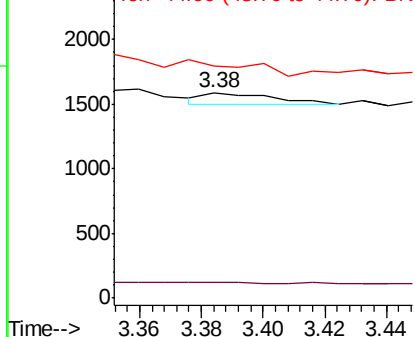
#2

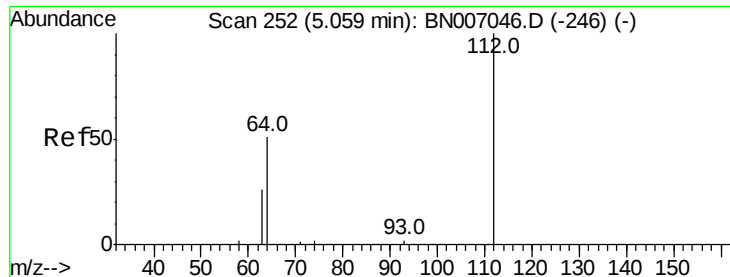
n-Nitrosodimethylamine
Concen: 0.022 ng
RT: 3.38 min Scan# 44
Delta R.T. 0.02 min
Lab File: BN007076.D
Acq: 11 Aug 2019 08:36

Tgt Ion: 42 Resp: 145
Ion Ratio Lower Upper
42 100
74 0.0 110.6 166.0#
44 0.0 0.0 0.0



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





#3

2-Fluorophenol

Concen: 0.215 ng

RT: 5.06 min Scan# 252

Delta R.T. -0.00 min

Lab File: BN007076.D

Acq: 11 Aug 2019 08:36

Instrument :

BNA_N

ClientSampleId :

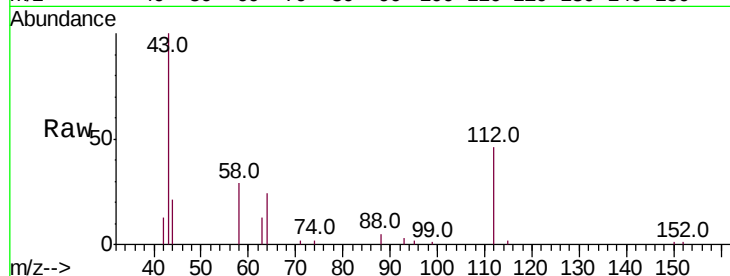
Tot Ion:112 Resp: 5112

Ion Ratio Lower Upper

112 100

64 53.6 42.6 63.8

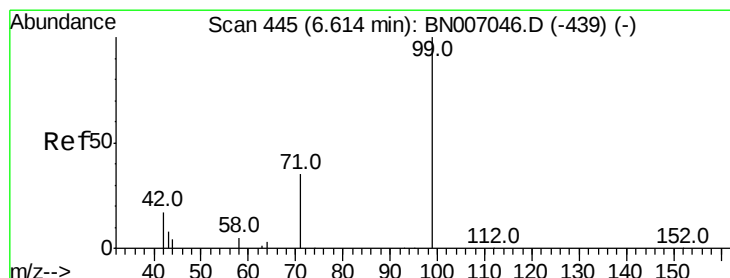
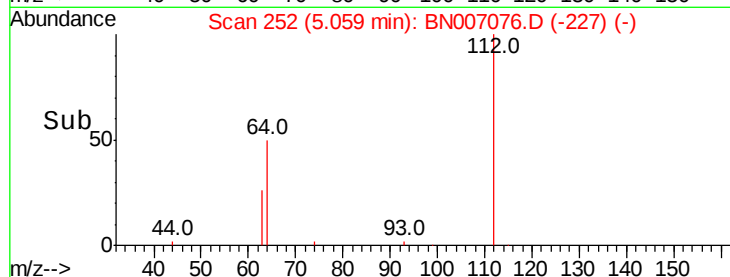
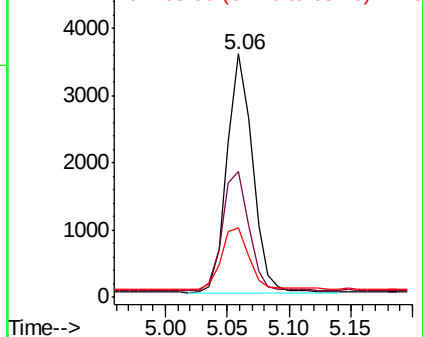
63 28.0 22.2 33.2



Abundance Ion 112.00 (111.70 to 112.70): BNC

Ion 64.00 (63.70 to 64.70): BNC

Ion 63.00 (62.70 to 63.70): BNC



#4

Phenol-d6

Concen: 0.237 ng

RT: 6.61 min Scan# 445

Delta R.T. -0.00 min

Lab File: BN007076.D

Acq: 11 Aug 2019 08:36

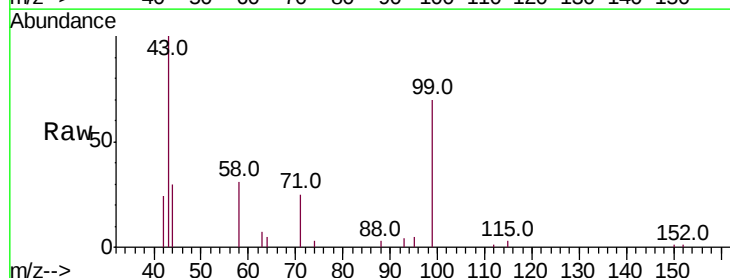
Tgt Ion: 99 Resp: 6956

Ion Ratio Lower Upper

99 100

42 0.0 15.8 23.6#

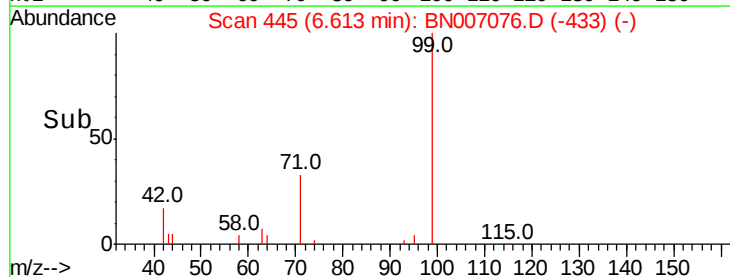
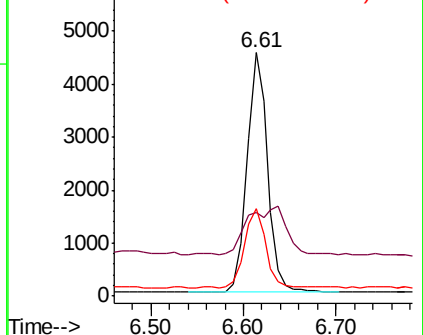
71 34.8 27.0 40.4

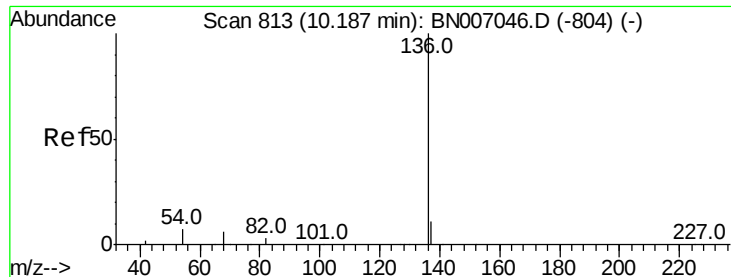


Abundance Ion 99.00 (98.70 to 99.70): BNC

Ion 42.00 (41.70 to 42.70): BNC

Ion 71.00 (70.70 to 71.70): BNC

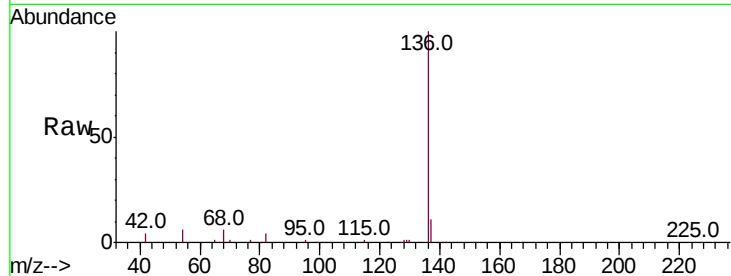




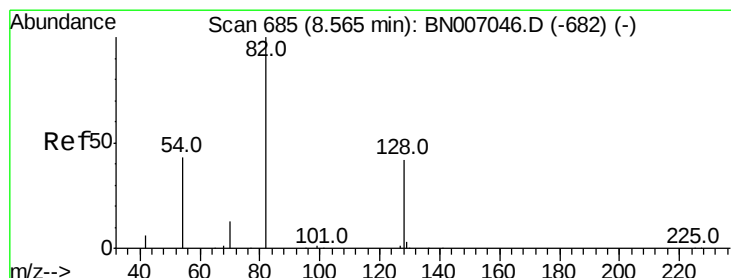
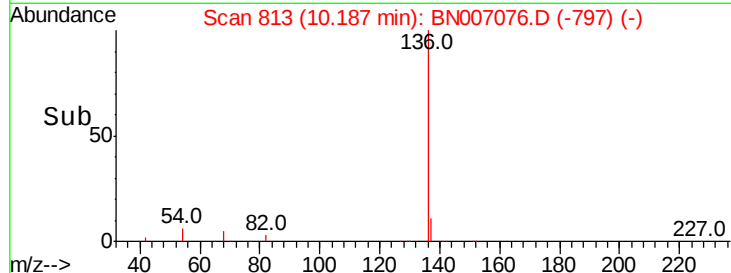
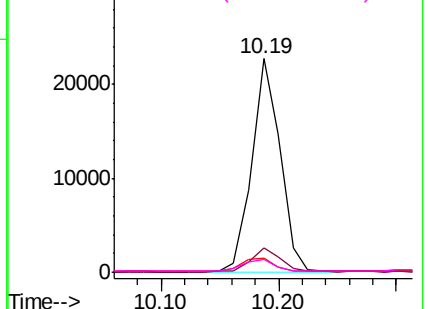
#6
Naphthalene-d8
Concen: 0.400 ng
RT: 10.19 min Scan# 813
Delta R.T. -0.00 min
Lab File: BN007076.D
Acq: 11 Aug 2019 08:36

Instrument :
BNA_N
ClientSampleId :

Tot Ion:136	Resp:	37843
Ion Ratio	Lower	Upper
136 100		
137 11.2	9.4	14.0
54 6.4	6.6	9.8#
68 6.1	6.0	9.0

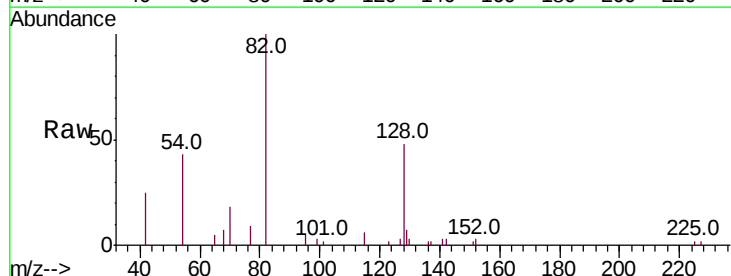


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BNC
Ion 68.00 (67.70 to 68.70): BNC

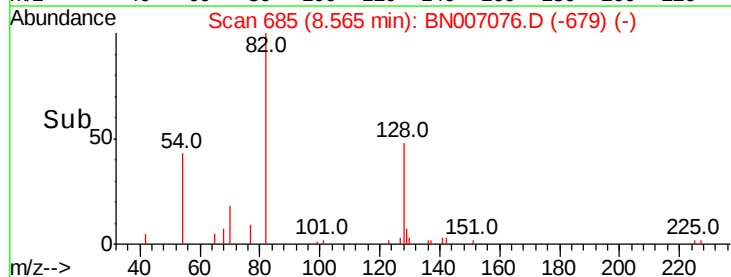
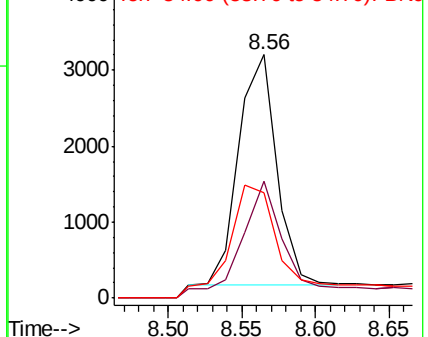


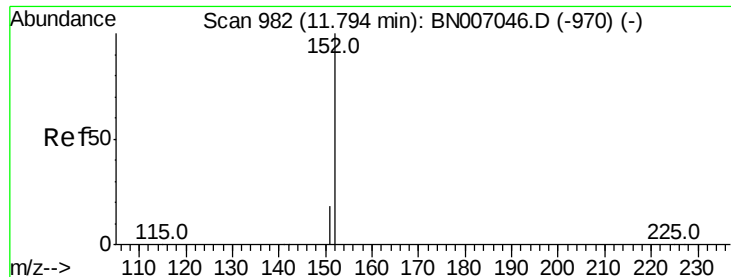
#7
Nitrobenzene-d5
Concen: 0.177 ng
RT: 8.56 min Scan# 685
Delta R.T. -0.00 min
Lab File: BN007076.D
Acq: 11 Aug 2019 08:36

Tgt Ion: 82	Resp:	5409
Ion Ratio	Lower	Upper
82 100		
128 47.9	34.6	51.8
54 43.4	36.2	54.4



Abundance Ion 82.00 (81.70 to 82.70): BNC
Ion 128.00 (127.70 to 128.70): E
Ion 54.00 (53.70 to 54.70): BNC

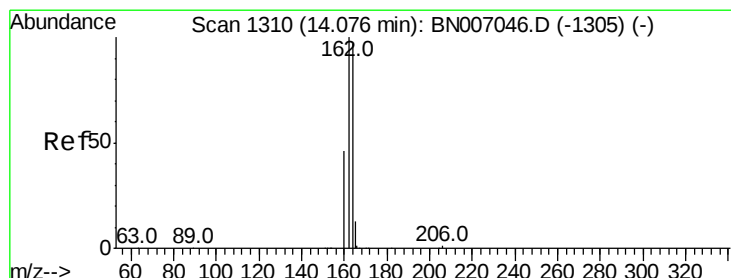
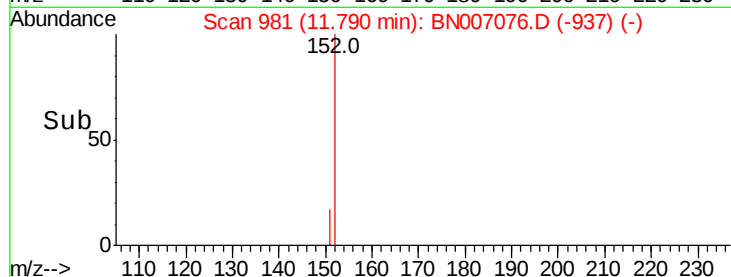
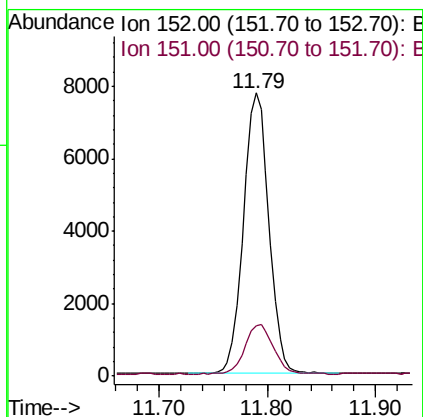
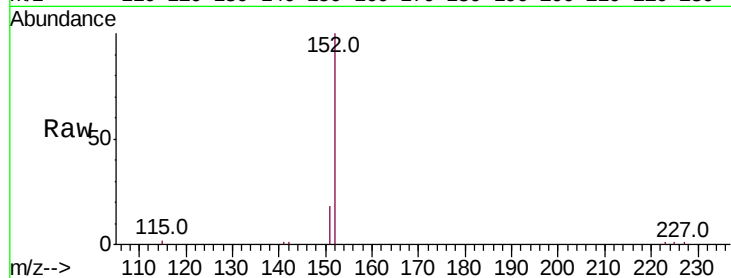




#10
2-Methylnaphthalene-d10
Concen: 0.179 ng
RT: 11.79 min Scan# 981
Delta R.T. -0.00 min
Lab File: BN007076.D
Acq: 11 Aug 2019 08:36

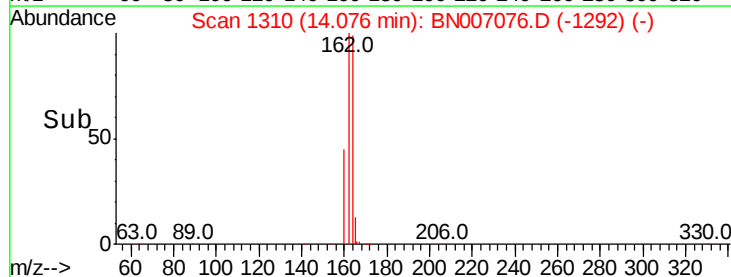
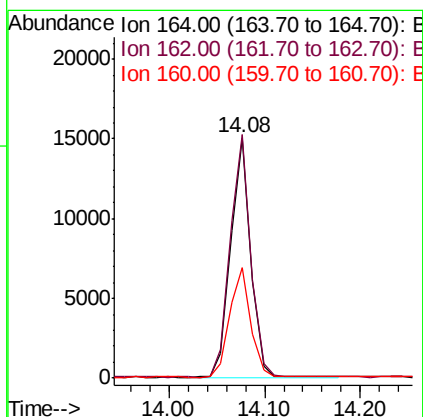
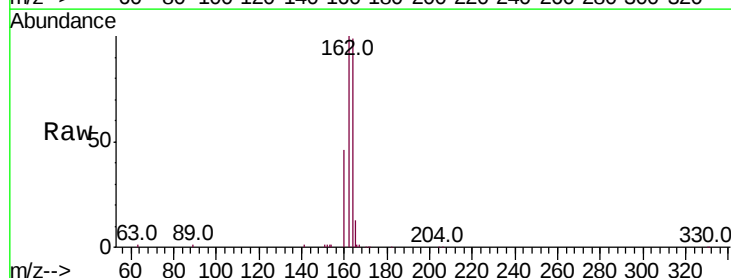
Instrument :
BNA_N
ClientSampleId :

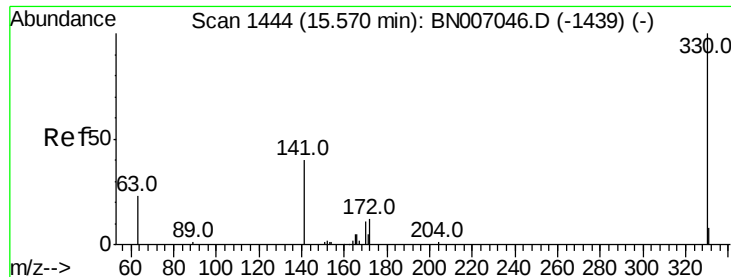
Tot Ion:152 Resp: 12598
Ion Ratio Lower Upper
152 100
151 19.6 15.5 23.3



#12
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.08 min Scan# 1310
Delta R.T. -0.00 min
Lab File: BN007076.D
Acq: 11 Aug 2019 08:36

Tgt Ion:164 Resp: 21845
Ion Ratio Lower Upper
164 100
162 101.3 82.2 123.4
160 46.1 38.3 57.5

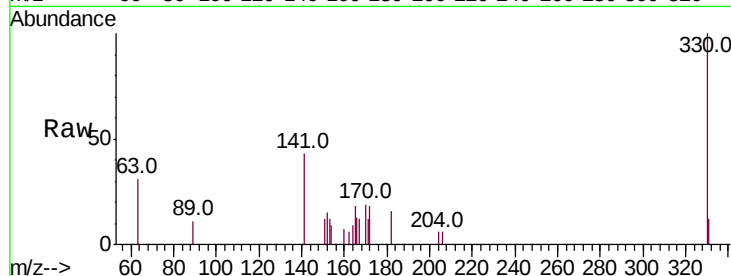




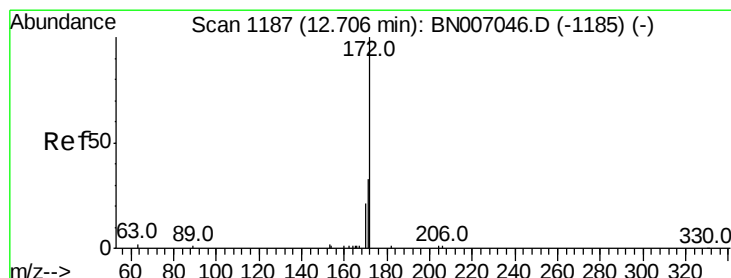
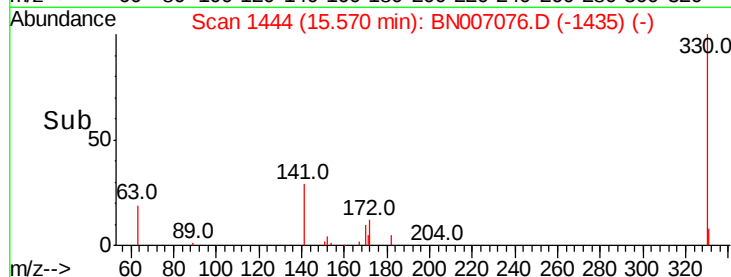
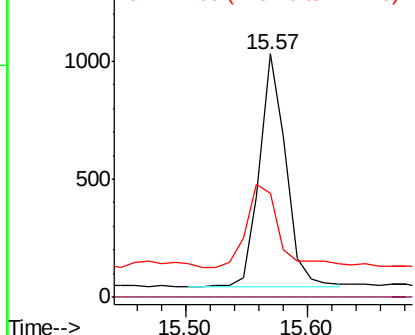
#13
 2,4,6-Tribromophenol
 Concen: 0.126 ng
 RT: 15.57 min Scan# 1444
 Delta R.T. -0.00 min
 Lab File: BN007076.D
 Acq: 11 Aug 2019 08:36

Instrument :
 BNA_N
 ClientSampleId :

Tot Ion:330 Resp: 1482
 Ion Ratio Lower Upper
 330 100
 332 0.0 0.0 0.0
 141 44.2 33.6 50.4

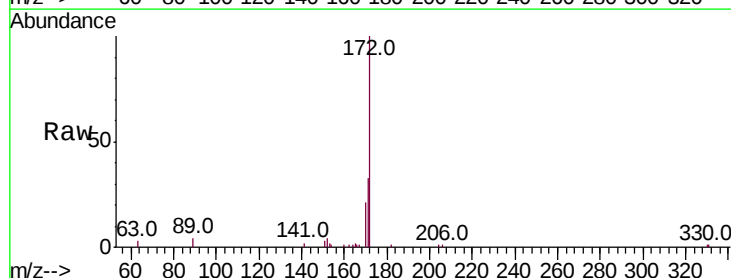


Abundance Ion 330.00 (329.70 to 330.70): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

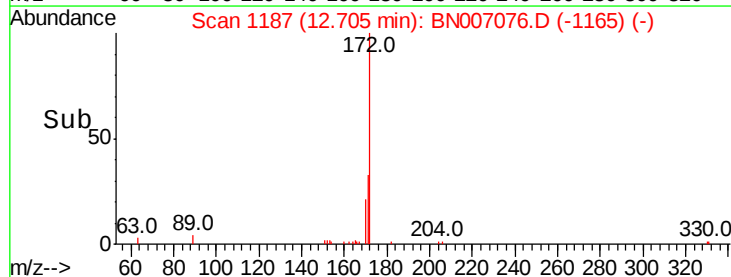
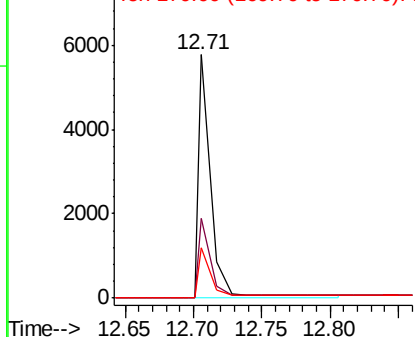


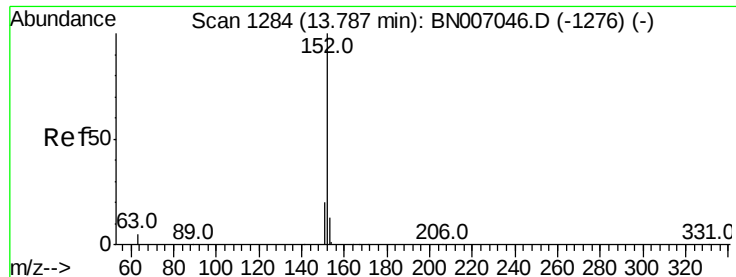
#14
 2-Fluorobiphenyl
 Concen: 0.135 ng
 RT: 12.71 min Scan# 1187
 Delta R.T. -0.00 min
 Lab File: BN007076.D
 Acq: 11 Aug 2019 08:36

Tgt Ion:172 Resp: 4303
 Ion Ratio Lower Upper
 172 100
 171 32.8 26.3 39.5
 170 20.7 17.0 25.4



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





#15

Acenaphthylene

Concen: 0.034 ng

RT: 13.79 min Scan# 1284

Delta R.T. -0.00 min

Lab File: BN007076.D

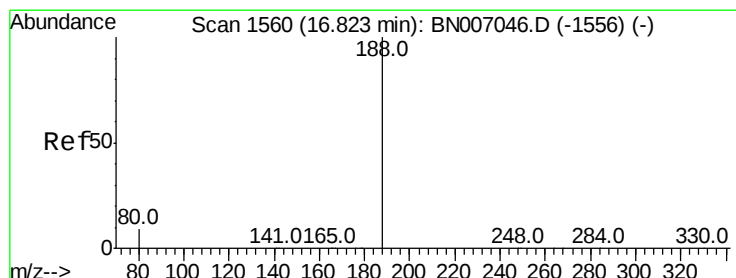
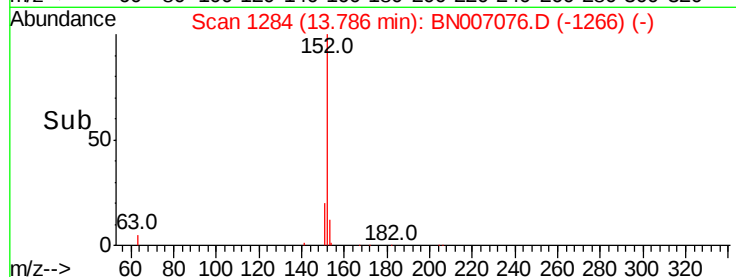
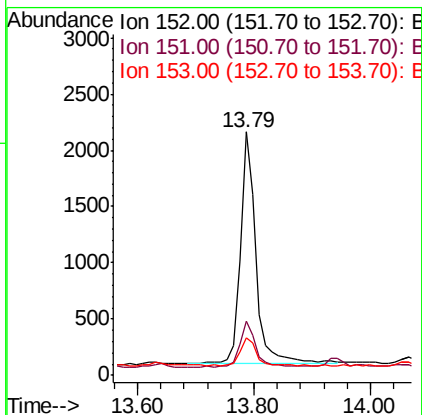
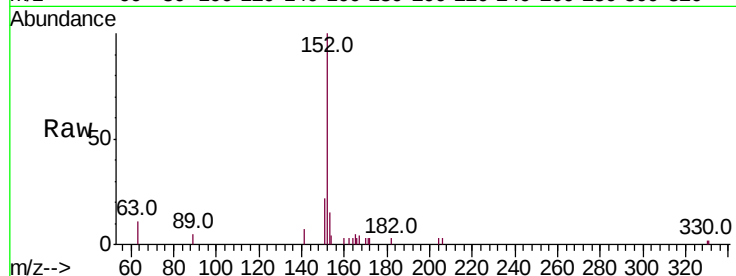
Acq: 11 Aug 2019 08:36

Instrument :

BNA_N

ClientSampleId :

Tot Ion:152	Resp:	3840
Ion	Ratio	Lower Upper
152	100	
151	21.3	15.8 23.6
153	14.3	10.4 15.6



#18

Phenanthrene-d10

Concen: 0.400 ng

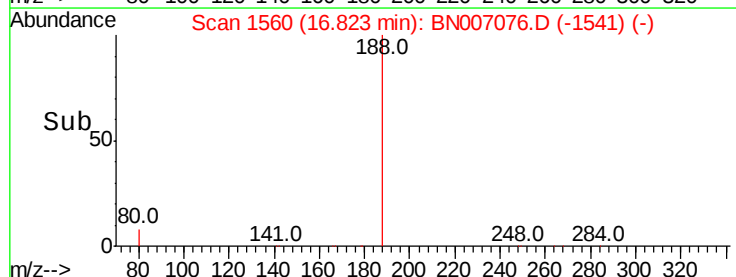
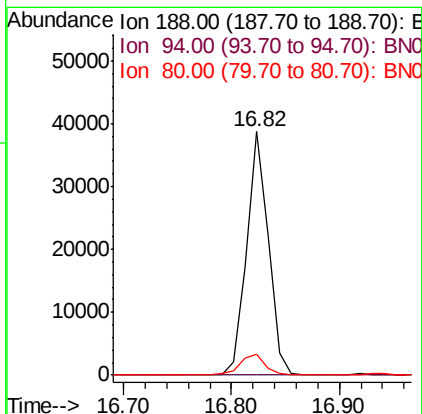
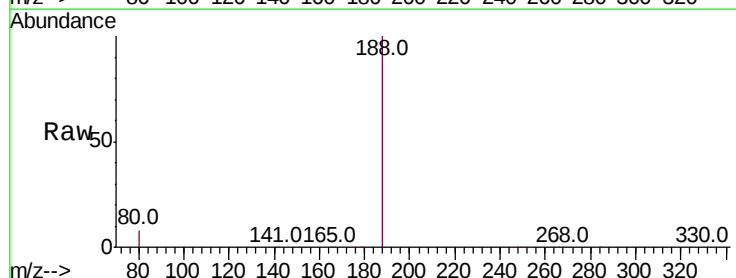
RT: 16.82 min Scan# 1560

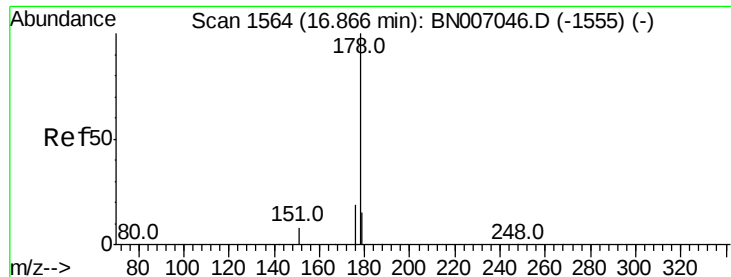
Delta R.T. -0.00 min

Lab File: BN007076.D

Acq: 11 Aug 2019 08:36

Tgt Ion:188	Resp:	53639
Ion	Ratio	Lower Upper
188	100	
94	0.0	0.0 0.0
80	8.3	7.8 11.6





#22

Phenanthrene

Concen: 0.078 ng

RT: 16.87 min Scan# 1564

Delta R.T. -0.00 min

Lab File: BN007076.D

Acq: 11 Aug 2019 08:36

Instrument :

BNA_N

ClientSampleId :

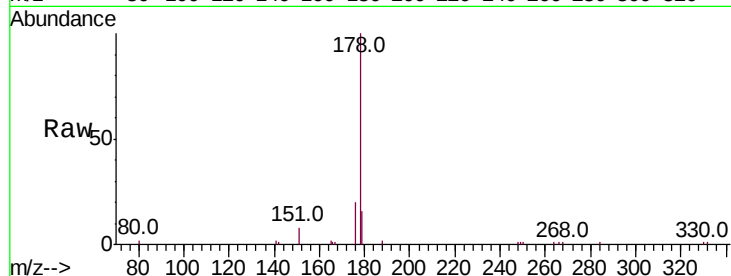
Tot Ion:178 Resp: 12555

Ion Ratio Lower Upper

178 100

176 18.8 15.2 22.8

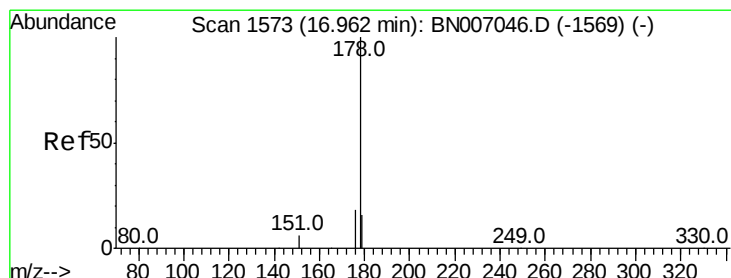
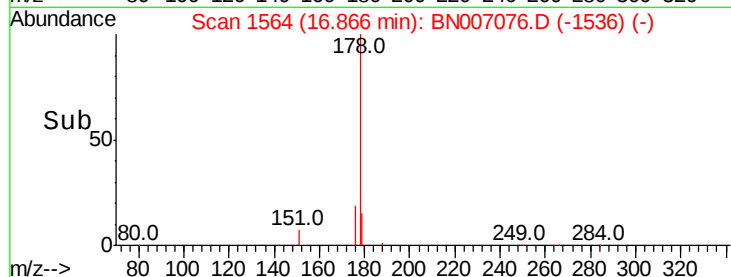
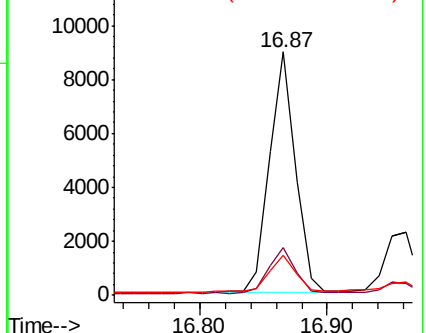
179 16.3 12.3 18.5



Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



#23

Anthracene

Concen: 0.025 ng

RT: 16.96 min Scan# 1573

Delta R.T. -0.00 min

Lab File: BN007076.D

Acq: 11 Aug 2019 08:36

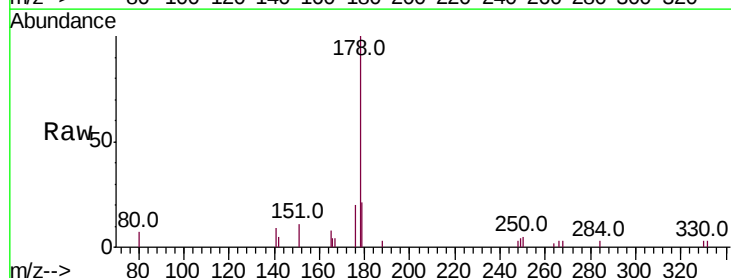
Tgt Ion:178 Resp: 3611

Ion Ratio Lower Upper

178 100

176 18.2 14.6 21.8

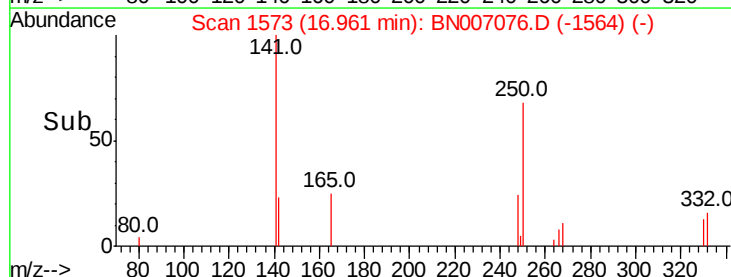
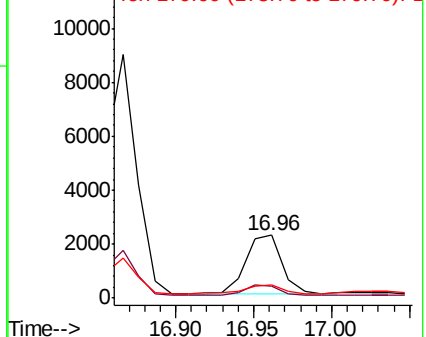
179 16.6 12.5 18.7

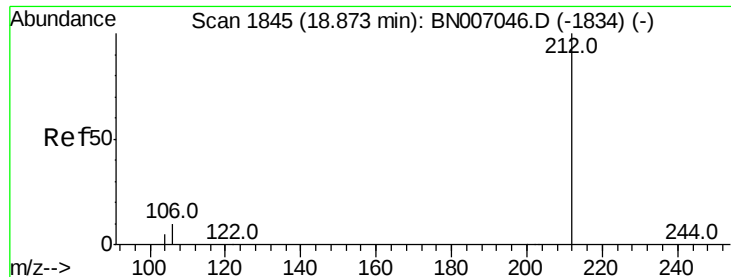


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#24

Fluoranthene-d10

Concen: 0.167 ng

RT: 18.87 min Scan# 1844

Delta R.T. -0.01 min

Lab File: BN007076.D

Acq: 11 Aug 2019 08:36

Instrument :

BNA_N

ClientSampleId :

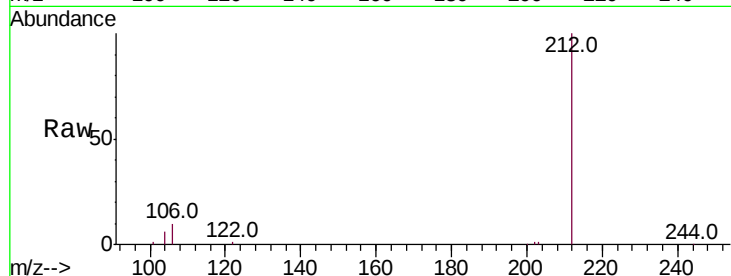
Tot Ion:212 Resp: 31773

Ion Ratio Lower Upper

212 100

106 10.4 8.2 12.2

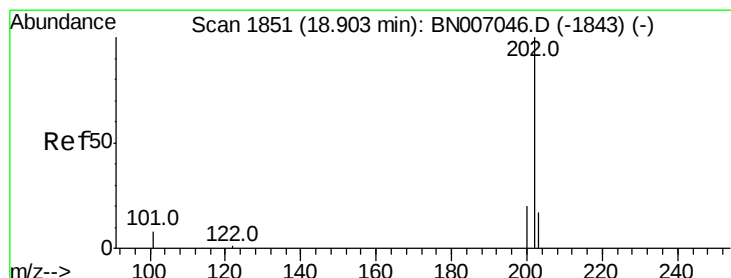
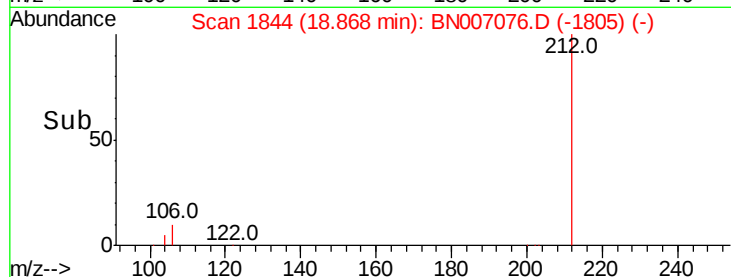
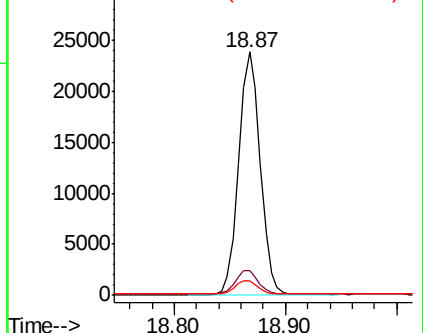
104 5.6 4.5 6.7



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



#25

Fluoranthene

Concen: 0.117 ng

RT: 18.90 min Scan# 1850

Delta R.T. -0.01 min

Lab File: BN007076.D

Acq: 11 Aug 2019 08:36

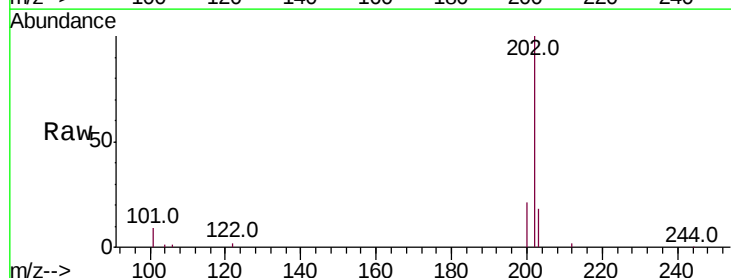
Tgt Ion:202 Resp: 24161

Ion Ratio Lower Upper

202 100

101 8.6 7.0 10.4

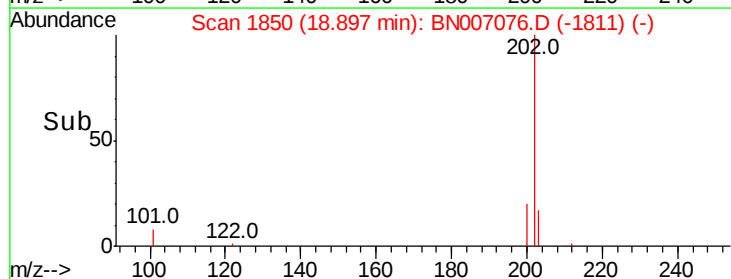
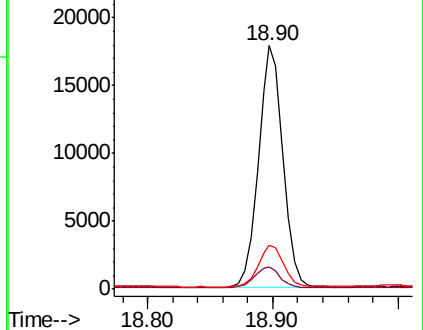
203 17.7 13.8 20.8

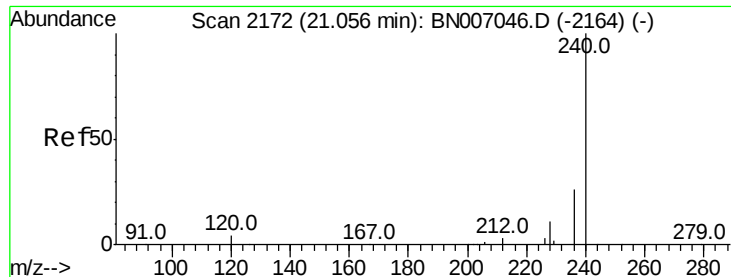


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E

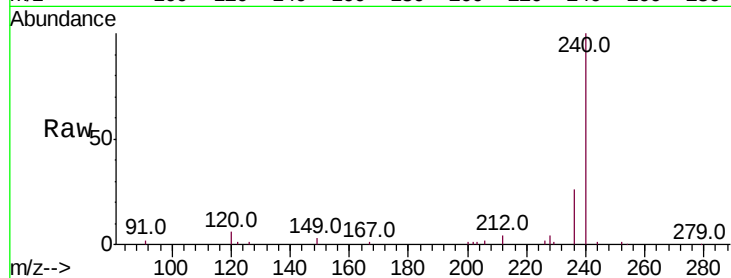




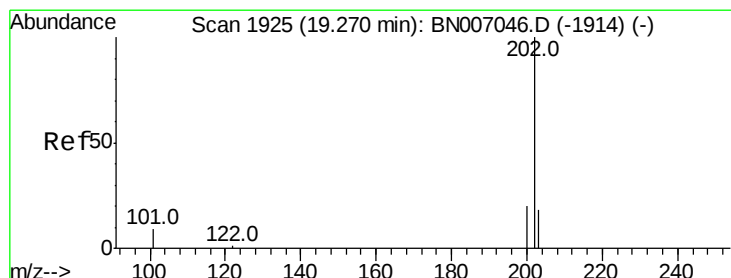
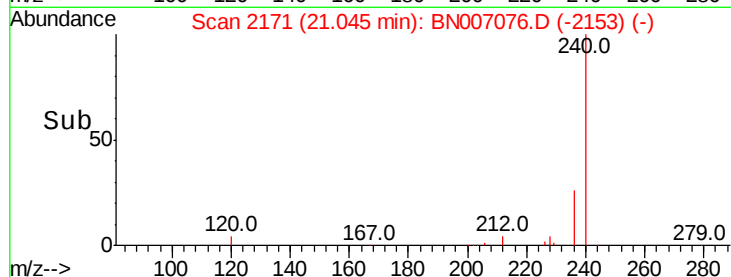
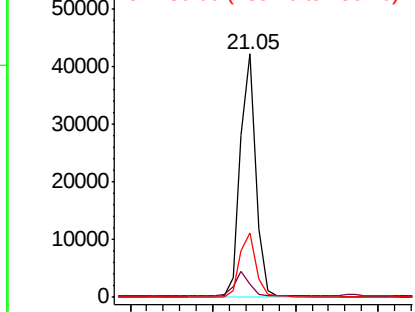
#26
Chrysene-d12
Concen: 0.400 ng
RT: 21.05 min Scan# 2171
Delta R.T. -0.01 min
Lab File: BN007076.D
Acq: 11 Aug 2019 08:36

Instrument :
BNA_N
ClientSampled :

Tot Ion:240 Resp: 55253
Ion Ratio Lower Upper
240 100
120 5.5 4.0 6.0
236 26.3 21.3 31.9

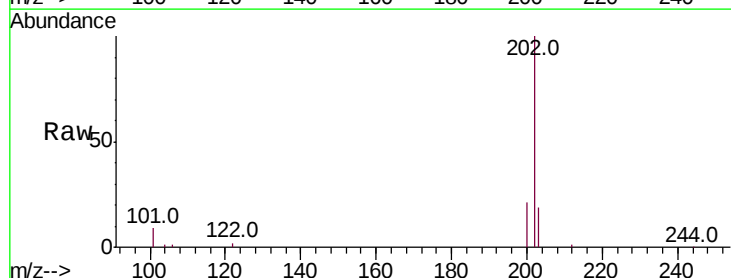


Abundance Ion 240.00 (239.70 to 240.70): E
Ion 120.00 (119.70 to 120.70): E
Ion 236.00 (235.70 to 236.70): E

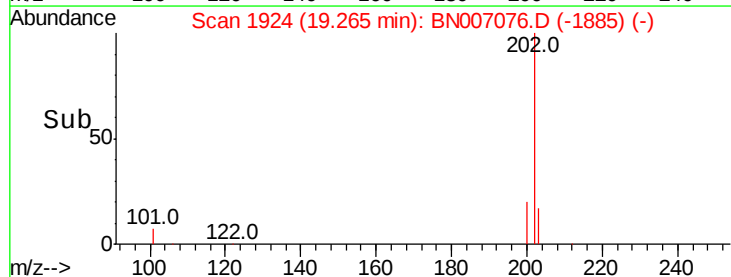
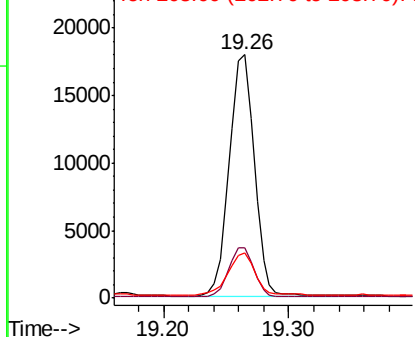


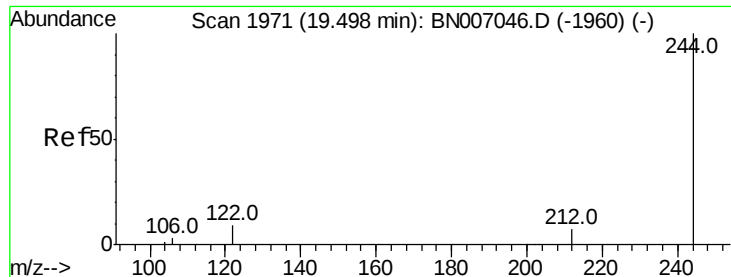
#27
Pyrene
Concen: 0.128 ng
RT: 19.26 min Scan# 1924
Delta R.T. -0.01 min
Lab File: BN007076.D
Acq: 11 Aug 2019 08:36

Tgt Ion:202 Resp: 24834
Ion Ratio Lower Upper
202 100
200 20.9 16.6 24.8
203 19.7 14.0 21.0



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





#28

Terphenyl-d14

Concen: 0.155 ng

RT: 19.49 min Scan# 1969

Delta R.T. -0.01 min

Lab File: BN007076.D

Acq: 11 Aug 2019 08:36

Instrument :

BNA_N

ClientSampleId :

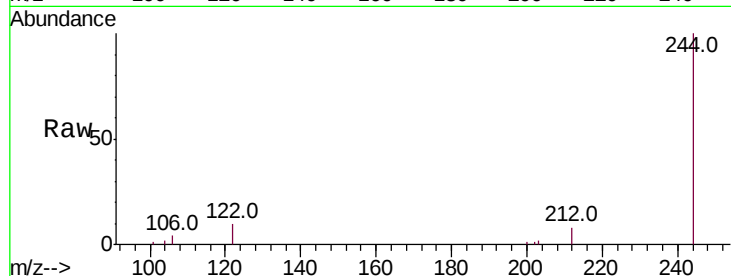
Tot Ion:244 Resp: 23379

Ion Ratio Lower Upper

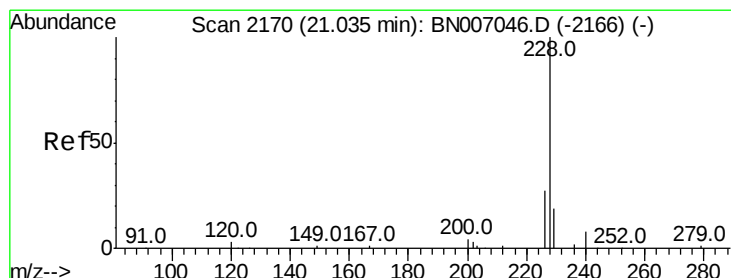
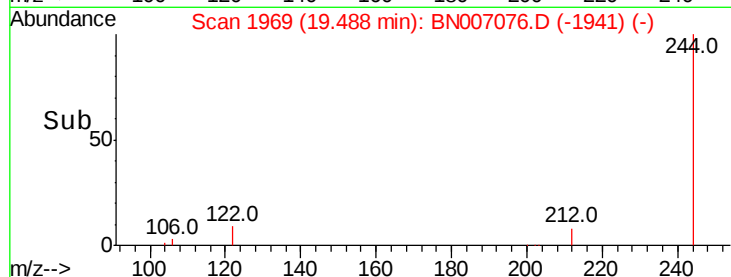
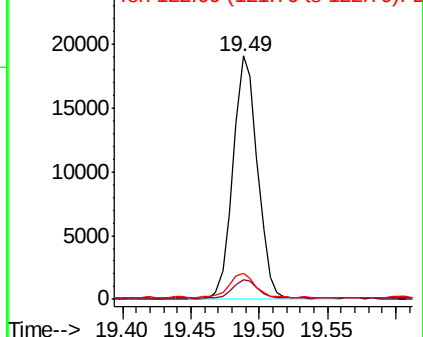
244 100

212 8.2 6.2 9.2

122 10.5 7.4 11.2



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



#29

Benzo(a)anthracene

Concen: 0.077 ng

RT: 21.08 min Scan# 2174

Delta R.T. 0.04 min

Lab File: BN007076.D

Acq: 11 Aug 2019 08:36

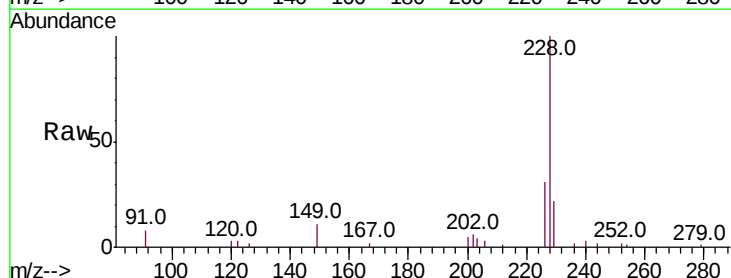
Tgt Ion:228 Resp: 15653

Ion Ratio Lower Upper

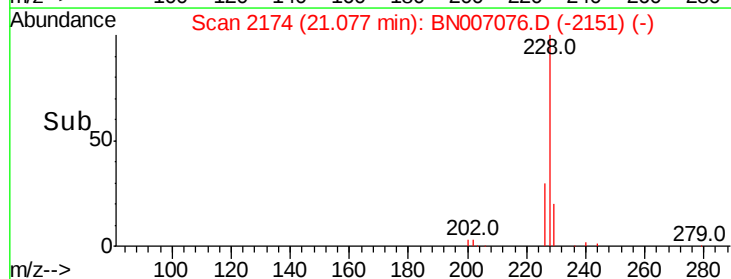
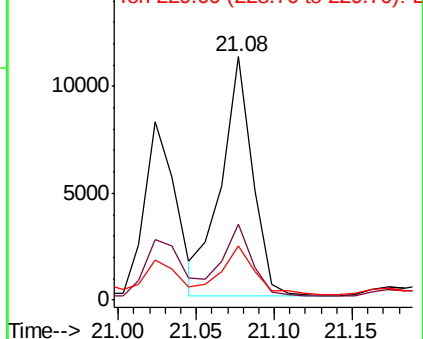
228 100

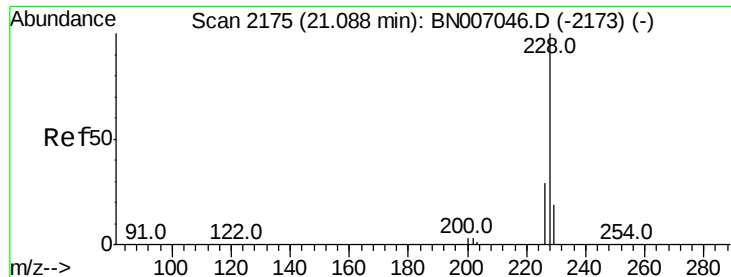
226 31.3 21.8 32.6

229 22.3 15.6 23.4



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





#30

Chrysene

Concen: 0.079 ng

RT: 21.08 min Scan# 2174

Delta R.T. -0.01 min

Lab File: BN007076.D

Acq: 11 Aug 2019 08:36

Instrument :

BNA_N

ClientSampleId :

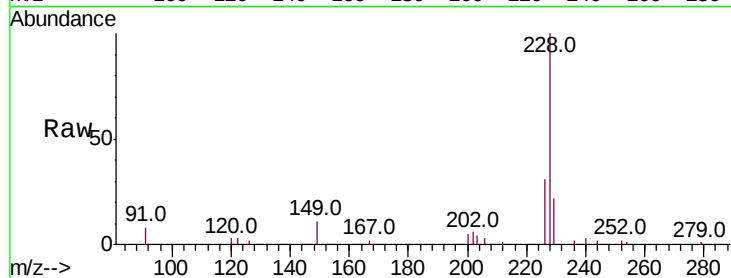
Tot Ion:228 Resp: 15604

Ion Ratio Lower Upper

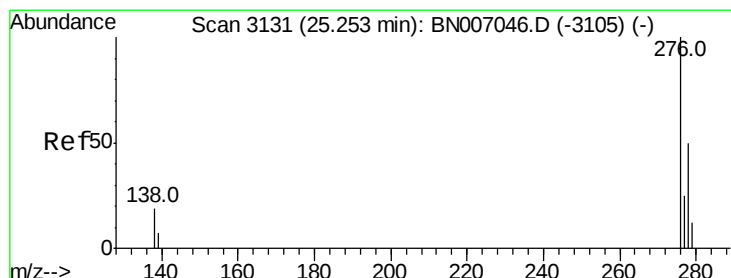
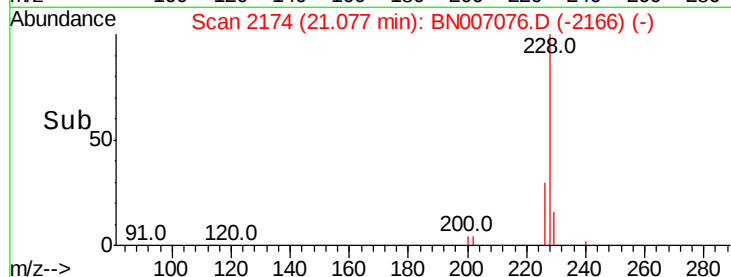
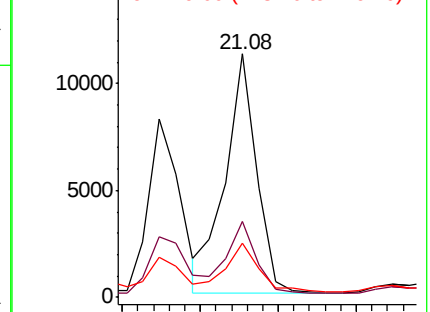
228 100

226 31.3 23.8 35.6

229 22.3 15.7 23.5



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

Indeno(1,2,3-cd)pyrene

Concen: 0.054 ng

RT: 25.23 min Scan# 3125

Delta R.T. -0.02 min

Lab File: BN007076.D

Acq: 11 Aug 2019 08:36

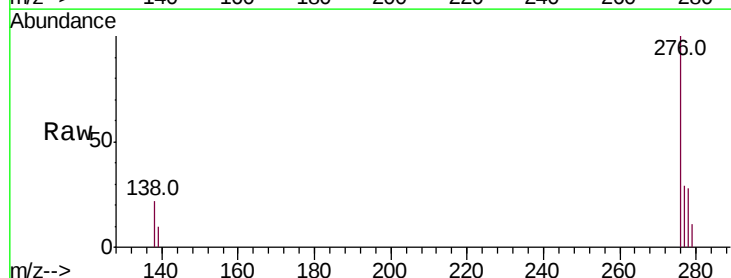
Tgt Ion:276 Resp: 11656

Ion Ratio Lower Upper

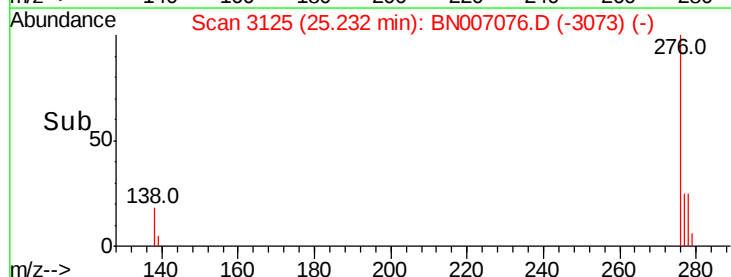
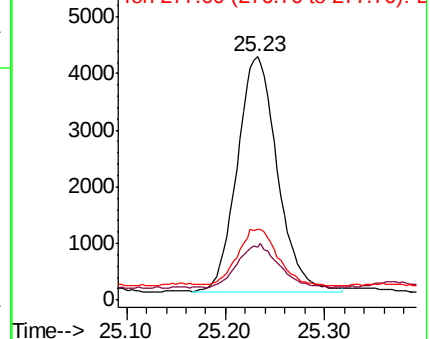
276 100

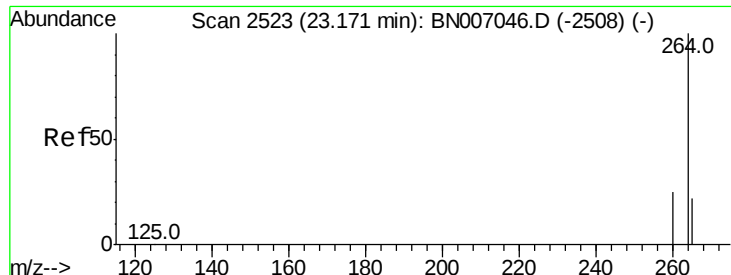
138 18.8 16.0 24.0

277 23.7 19.9 29.9



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

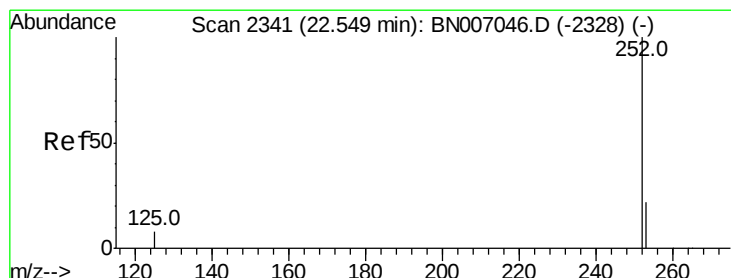
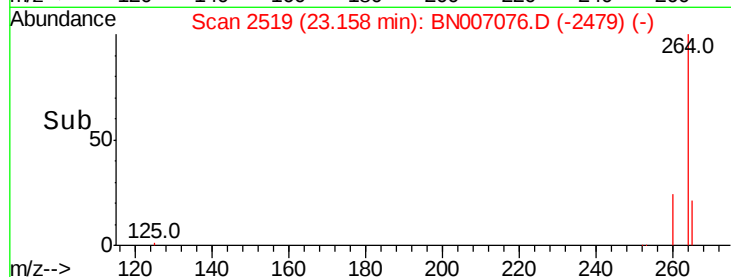
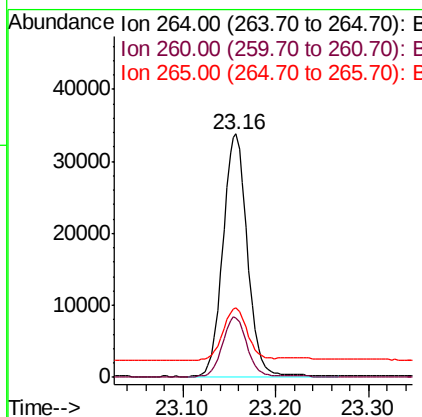
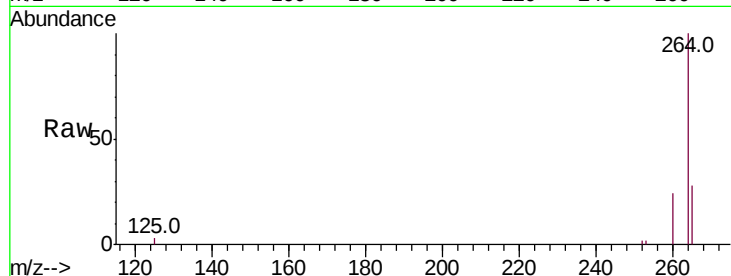




#32
 Pervlene-d12
 Concen: 0.400 ng
 RT: 23.16 min Scan# 2519
 Delta R.T. -0.01 min
 Lab File: BN007076.D
 Acq: 11 Aug 2019 08:36

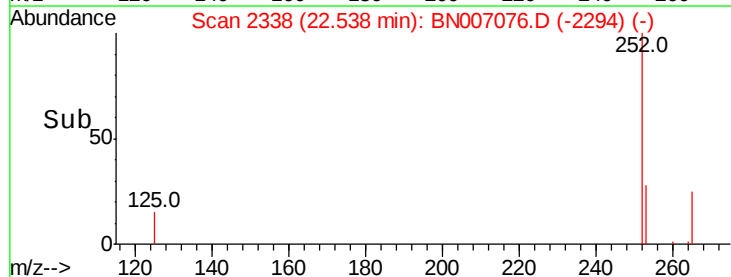
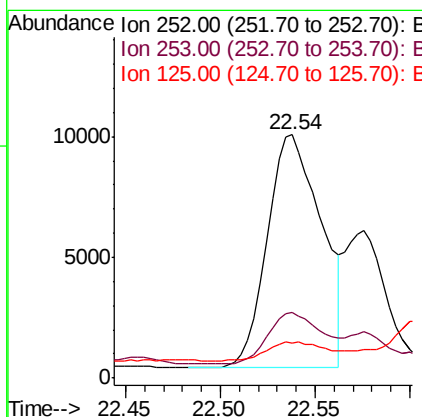
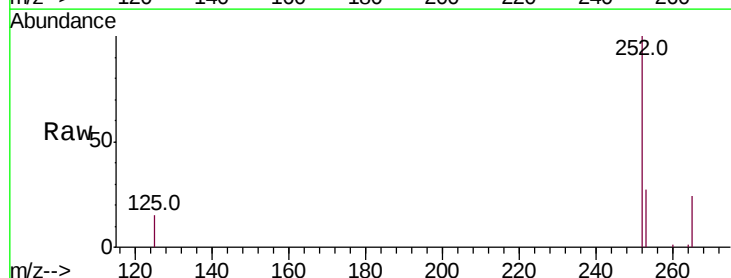
Instrument :
 BNA_N
 ClientSampleId :

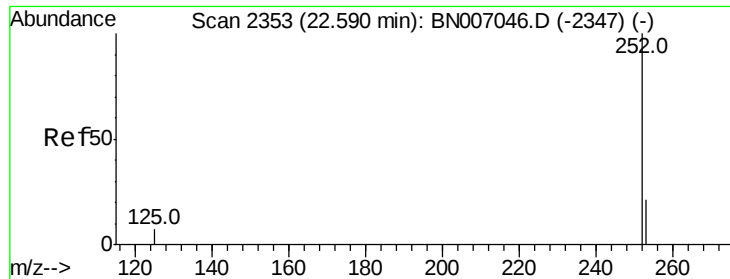
Tot Ion:264 Resp: 62146
 Ion Ratio Lower Upper
 264 100
 260 24.5 19.8 29.8
 265 28.3 26.2 39.4



#33
 Benzo(b)fluoranthene
 Concen: 0.090 ng
 RT: 22.54 min Scan# 2338
 Delta R.T. -0.01 min
 Lab File: BN007076.D
 Acq: 11 Aug 2019 08:36

Tgt Ion:252 Resp: 19218
 Ion Ratio Lower Upper
 252 100
 253 27.1 18.2 27.2
 125 14.6 7.4 11.0#





#34

Benzo(k)fluoranthene

Concen: 0.091 ng

RT: 22.54 min Scan# 2338

Delta R.T. -0.05 min

Lab File: BN007076.D

Acq: 11 Aug 2019 08:36

Instrument :

BNA_N

ClientSampleId :

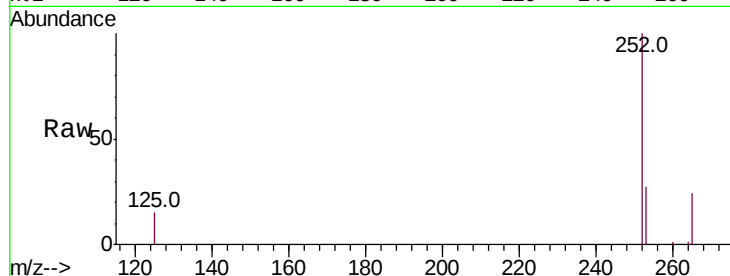
Tot Ion:252 Resp: 19218

Ion Ratio Lower Upper

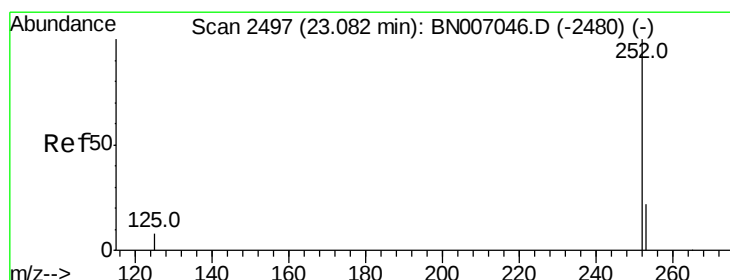
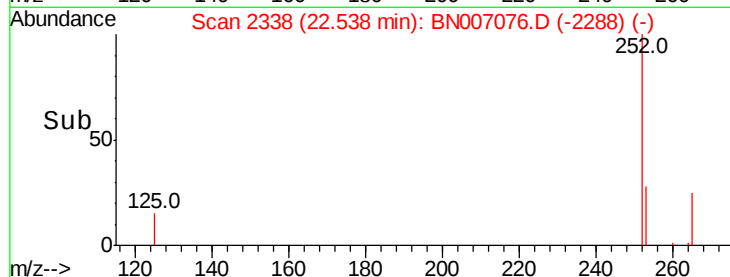
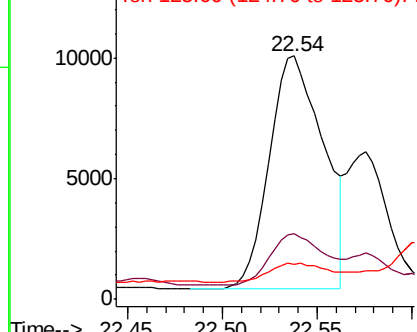
252 100

253 27.1 18.1 27.1

125 14.6 7.4 11.0#



Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E



#35

Benzo(a)pyrene

Concen: 0.063 ng

RT: 23.07 min Scan# 2492

Delta R.T. -0.02 min

Lab File: BN007076.D

Acq: 11 Aug 2019 08:36

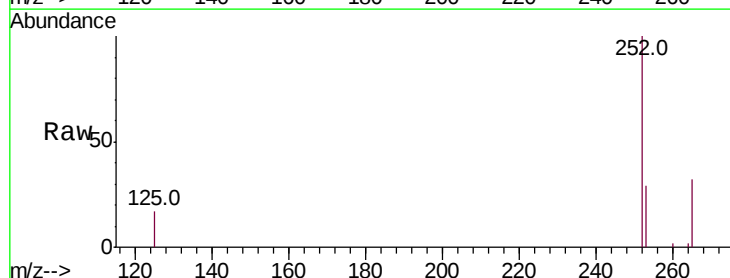
Tgt Ion:252 Resp: 12217

Ion Ratio Lower Upper

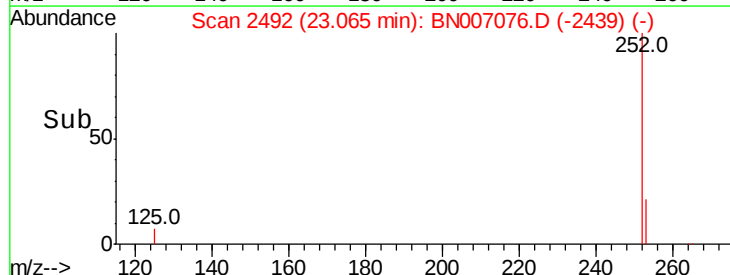
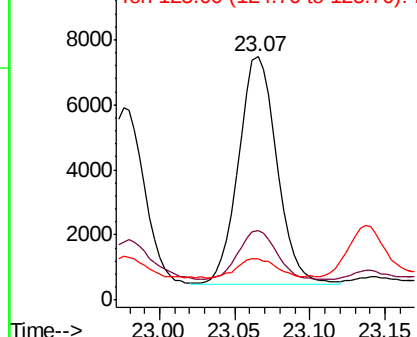
252 100

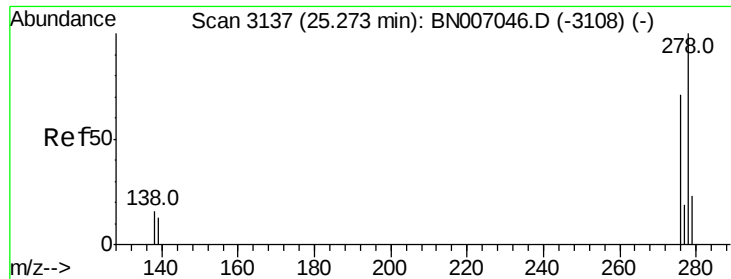
253 28.7 18.5 27.7#

125 16.8 8.2 12.4#



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



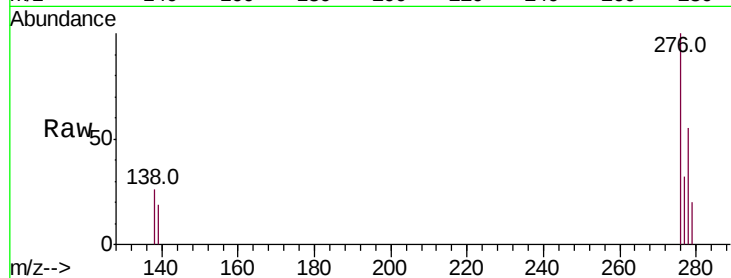


#36
Dibenzo(a,h)anthracene
Concen: 0.022 ng
RT: 25.25 min Scan# 3130
Delta R.T. -0.02 min
Lab File: BN007076.D
Acq: 11 Aug 2019 08:36

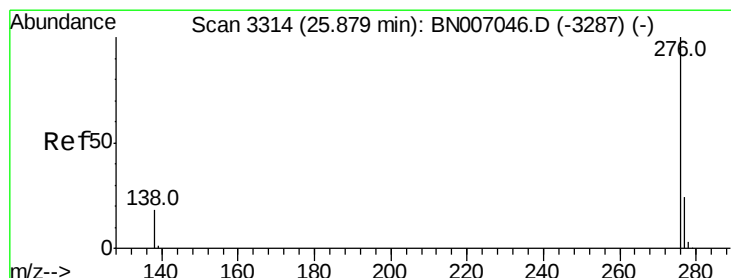
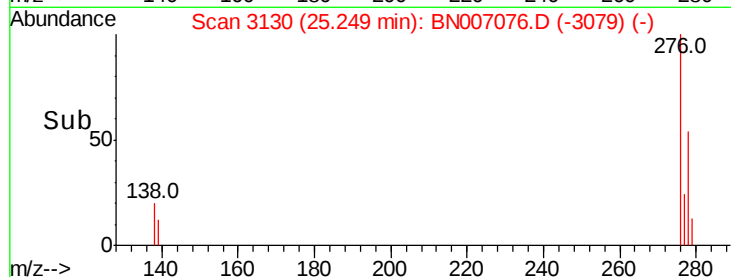
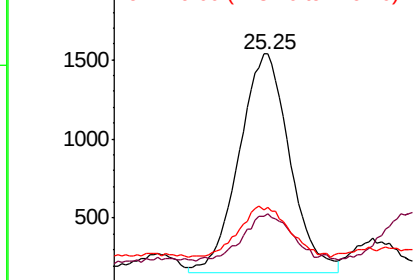
Instrument :
BNA_N
ClientSampleId :

Tot Ion:278 Resp: 4232

Ion	Ratio	Lower	Upper
278	100		
139	34.3	11.3	16.9#
279	37.2	19.3	28.9#



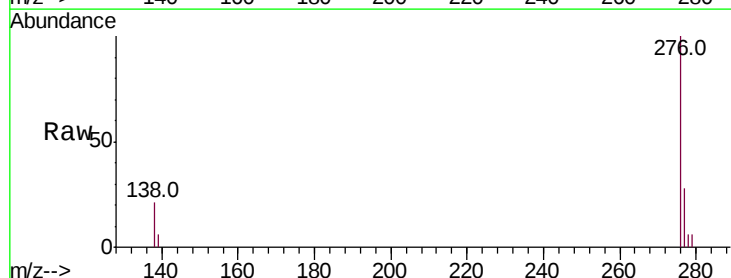
Abundance Ion 278.00 (277.70 to 278.70): E
Ion 139.00 (138.70 to 139.70): E
Ion 279.00 (278.70 to 279.70): E



#37
Benzo(g,h,i)perylene
Concen: 0.062 ng
RT: 25.86 min Scan# 3308
Delta R.T. -0.02 min
Lab File: BN007076.D
Acq: 11 Aug 2019 08:36

Tgt Ion:276 Resp: 12288

Ion	Ratio	Lower	Upper
276	100		
277	27.9	19.8	29.8
138	21.3	14.6	22.0



Abundance Ion 276.00 (275.70 to 276.70): E
Ion 277.00 (276.70 to 277.70): E
Ion 138.00 (137.70 to 138.70): E

