

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN081019\
 Data File : BN007067.D
 Acq On : 11 Aug 2019 02:36
 Operator : HP/JU
 Sample : K4239-07
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :

Quant Time: Aug 12 04:39:41 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	8732	0.40	ng	0.00
6) Naphthalene-d8	10.19	136	33215	0.40	ng	0.00
12) Acenaphthene-d10	14.08	164	19117	0.40	ng	0.00
18) Phenanthrene-d10	16.82	188	47585	0.40	ng	0.00
26) Chrysene-d12	21.05	240	48243	0.40	ng	-0.01
32) Perylene-d12	23.15	264	54058	0.40	ng	-0.02

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
3) 2-Fluorophenol	5.06	112	7147	0.34	ng	0.00
4) Phenol-d6	6.61	99	9808	0.38	ng	0.00
7) Nitrobenzene-d5	8.56	82	7509	0.28	ng	0.00
10) 2-Methylnaphthalene-d10	11.79	152	16218	0.26	ng	0.00
13) 2,4,6-Tribromophenol	15.57	330	2381	0.23	ng	0.00
14) 2-Fluorobiphenyl	12.71	172	6883	0.25	ng	0.00
24) Fluoranthene-d10	18.87	212	36810	0.22	ng	0.00
28) Terphenyl-d14	19.49	244	28214	0.21	ng	-0.01

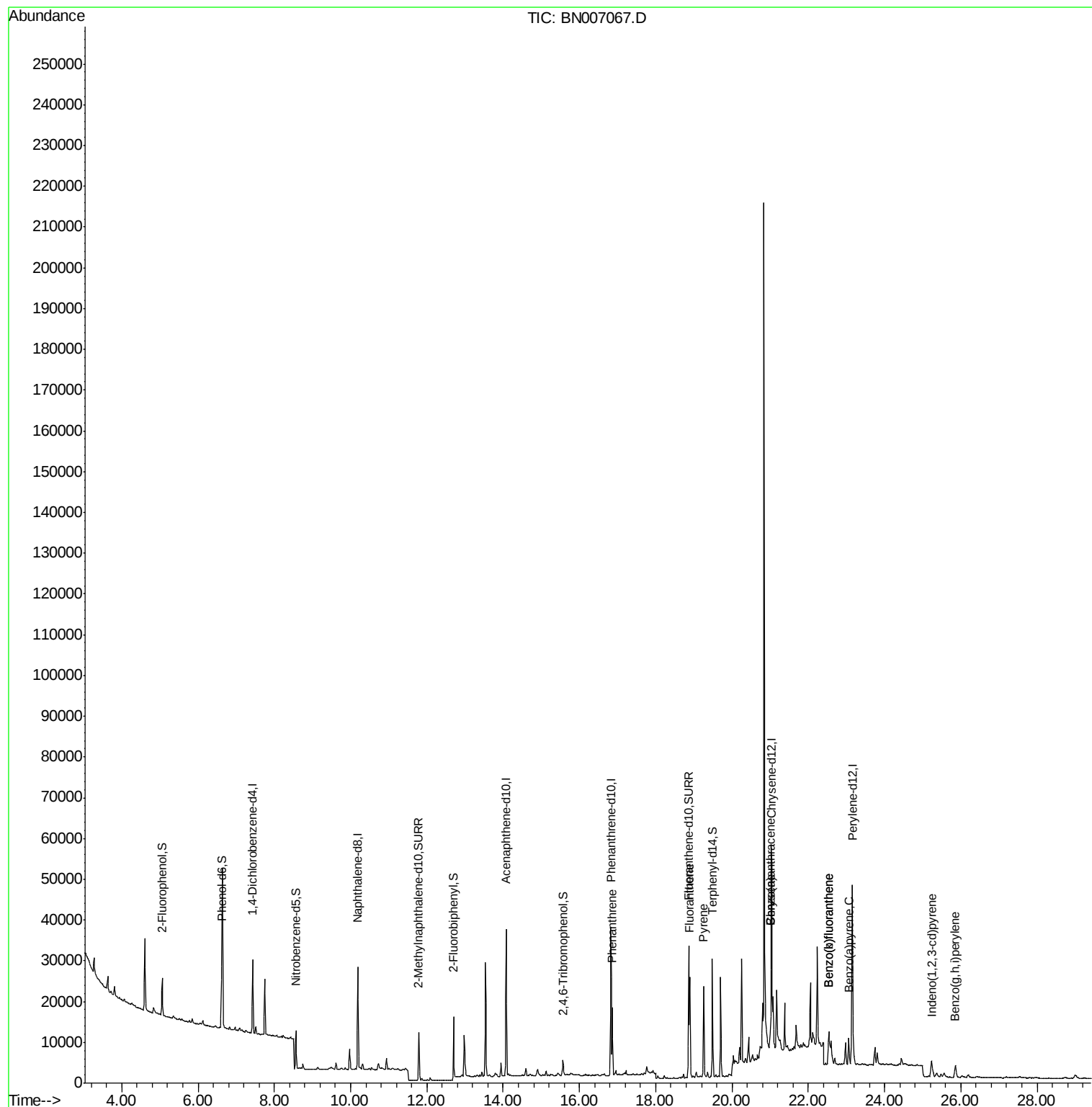
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
22) Phenanthrene	16.87	178	16517	0.116	ng	99
25) Fluoranthene	18.90	202	22648	0.124	ng	100
27) Pyrene	19.26	202	20294	0.120	ng	96
29) Benzo(a)anthracene	21.02	228	9089	0.052	ng	# 90
30) Chrysene	21.02	228	8448	0.049	ng	93
31) Indeno(1,2,3-cd)pyrene	25.23	276	6257	0.033	ng	# 81
33) Benzo(b)fluoranthene	22.54	252	14502	0.078	ng	# 81
34) Benzo(k)fluoranthene	22.54	252	14502	0.079	ng	# 80
35) Benzo(a)pyrene	23.06	252	9096	0.054	ng	# 78
37) Benzo(a,h,i)perylene	25.86	276	6043	0.035	ng	# 80

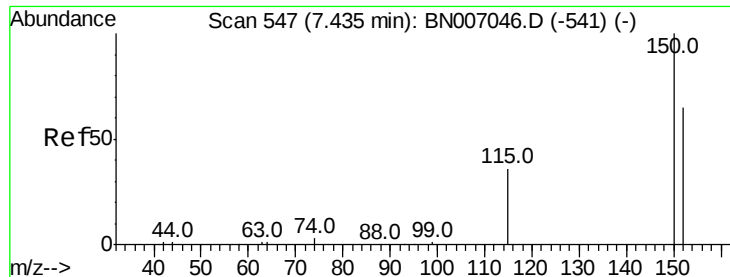
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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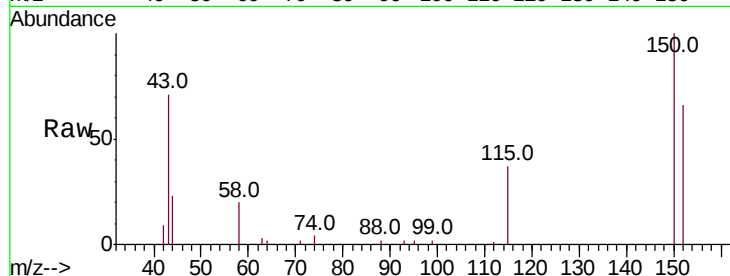


#1

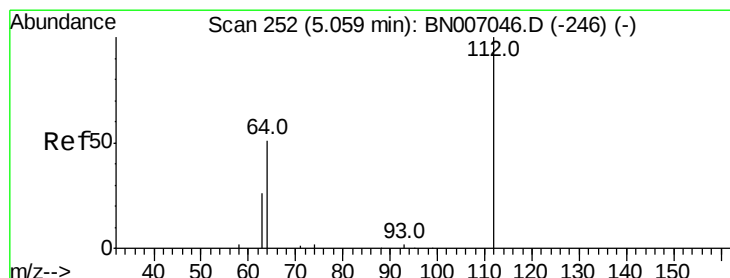
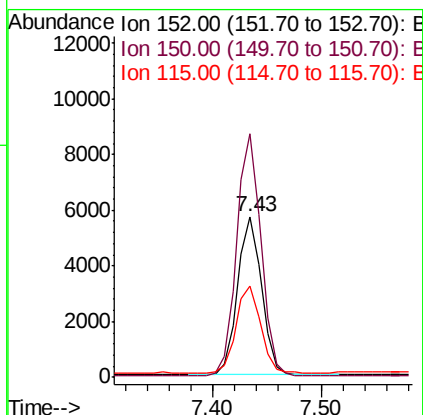
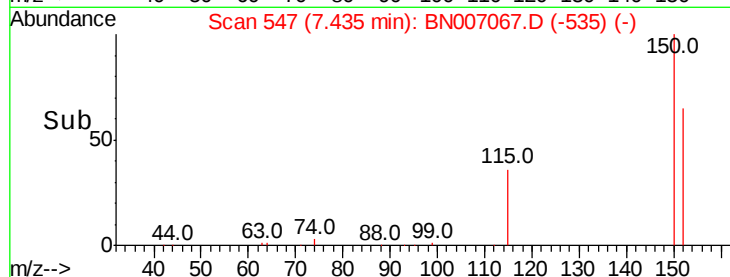
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.43 min Scan# 547
Delta R.T. -0.00 min
Lab File: BN007067.D
Acq: 11 Aug 2019 02:36

Instrument :
BNA_N
ClientSampled :

Tot Ion:152 Resp: 8732
Ion Ratio Lower Upper
152 100
150 151.6 121.7 182.5
115 56.8 46.2 69.4



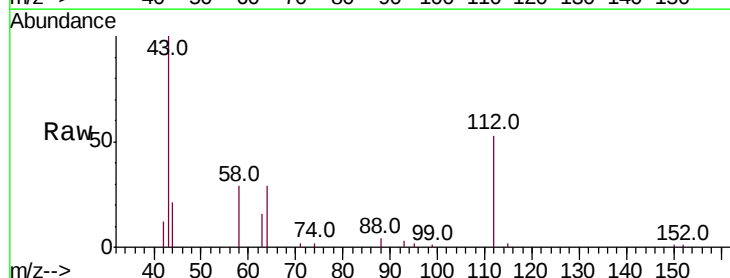
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



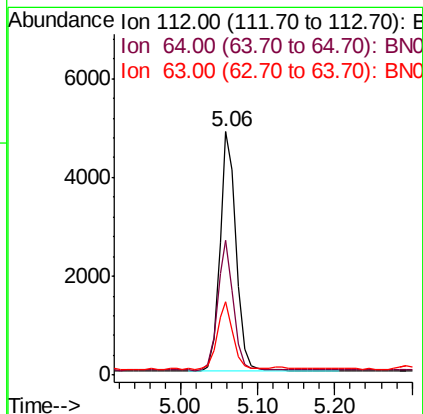
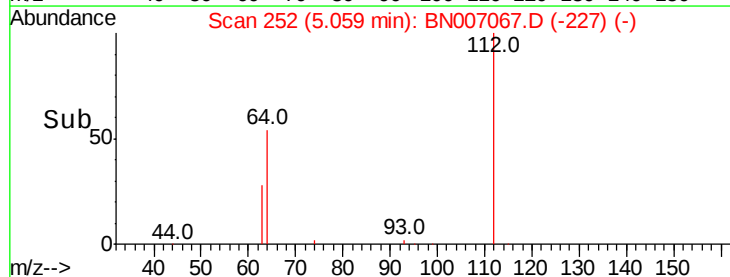
#3

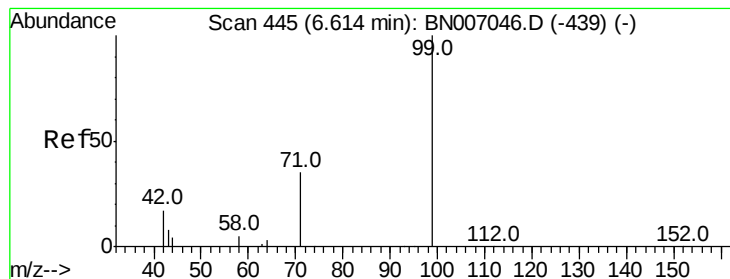
2-Fluorophenol
Concen: 0.341 ng
RT: 5.06 min Scan# 252
Delta R.T. -0.00 min
Lab File: BN007067.D
Acq: 11 Aug 2019 02:36

Tgt Ion:112 Resp: 7147
Ion Ratio Lower Upper
112 100
64 53.3 42.6 63.8
63 27.6 22.2 33.2



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





#4

Phenol-d6

Concen: 0.377 ng

RT: 6.61 min Scan# 445

Delta R.T. -0.00 min

Lab File: BN007067.D

Acq: 11 Aug 2019 02:36

Instrument :

BNA_N

ClientSampleId :

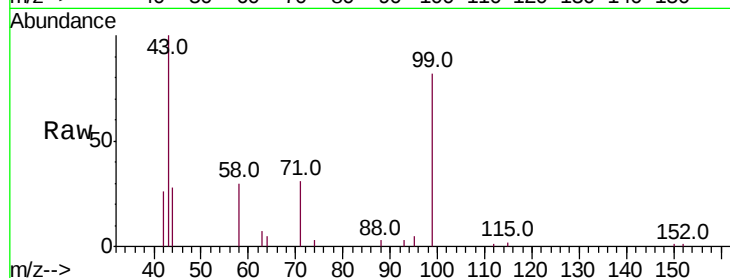
Tot Ion: 99 Resp: 9808

Ion Ratio Lower Upper

99 100

42 0.0 15.8 23.6#

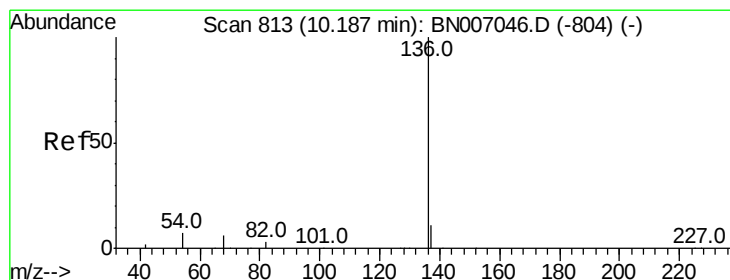
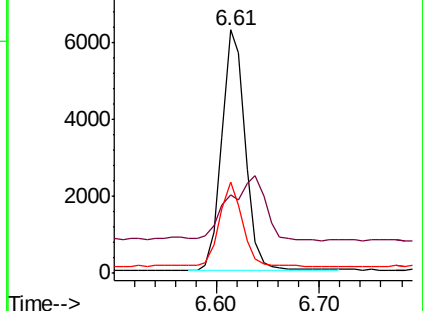
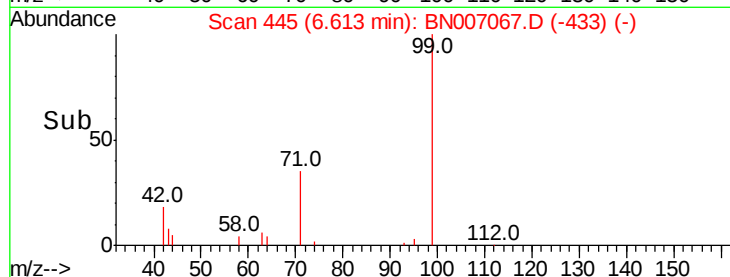
71 34.4 27.0 40.4



Abundance Ion 99.00 (98.70 to 99.70): BN007046.D (-439) (-)

Ion 42.00 (41.70 to 42.70): BN007046.D (-439) (-)

Ion 71.00 (70.70 to 71.70): BN007046.D (-439) (-)



#6

Naphthalene-d8

Concen: 0.400 ng

RT: 10.19 min Scan# 813

Delta R.T. -0.00 min

Lab File: BN007067.D

Acq: 11 Aug 2019 02:36

Tgt Ion: 136 Resp: 33215

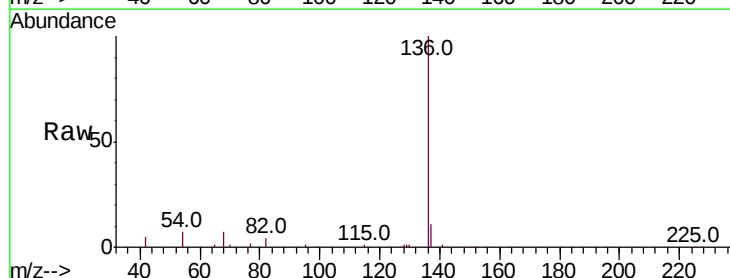
Ion Ratio Lower Upper

136 100

137 11.4 9.4 14.0

54 7.2 6.6 9.8

68 6.6 6.0 9.0

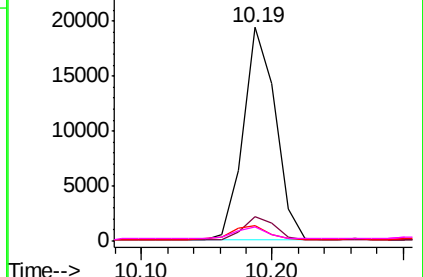
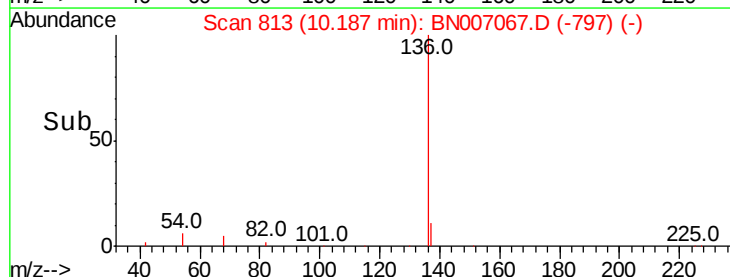


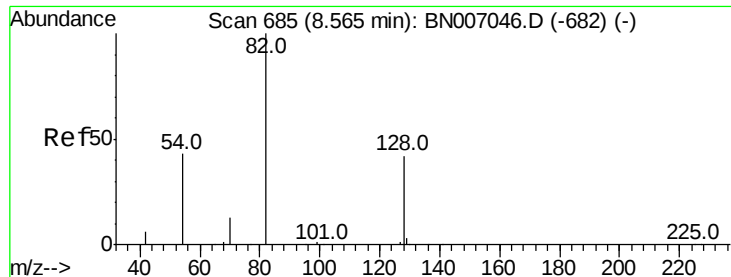
Abundance Ion 136.00 (135.70 to 136.70): BN007046.D (-804) (-)

Ion 137.00 (136.70 to 137.70): BN007046.D (-804) (-)

Ion 54.00 (53.70 to 54.70): BN007046.D (-804) (-)

Ion 68.00 (67.70 to 68.70): BN007046.D (-804) (-)





#7

Nitrobenzene-d5

Concen: 0.280 ng

RT: 8.56 min Scan# 685

Delta R.T. -0.00 min

Lab File: BN007067.D

Acq: 11 Aug 2019 02:36

Instrument :

BNA_N

ClientSampleId :

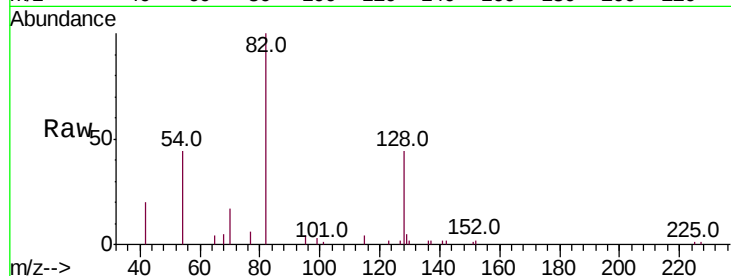
Tot Ion: 82 Resp: 7509

Ion Ratio Lower Upper

82 100

128 44.1 34.6 51.8

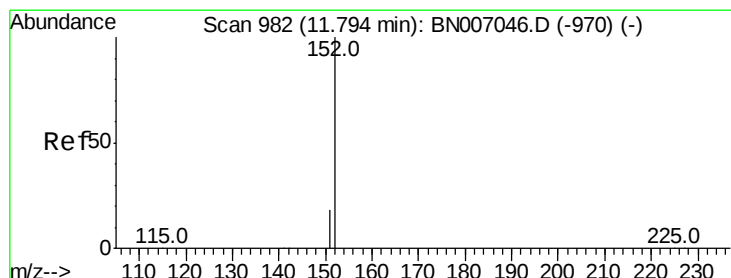
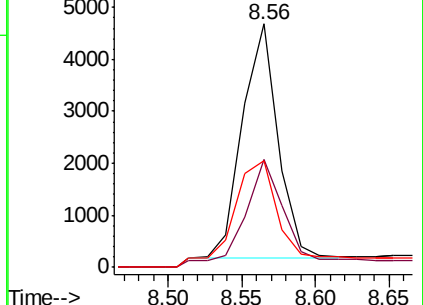
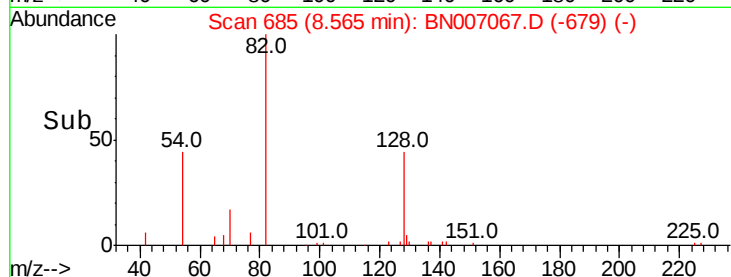
54 43.6 36.2 54.4



Abundance Ion 82.00 (81.70 to 82.70): BN007046.D (-682) (-)

Ion 128.00 (127.70 to 128.70): BN007046.D (-682) (-)

Ion 54.00 (53.70 to 54.70): BN007046.D (-682) (-)



#10

2-Methylnaphthalene-d10

Concen: 0.262 ng

RT: 11.79 min Scan# 981

Delta R.T. -0.00 min

Lab File: BN007067.D

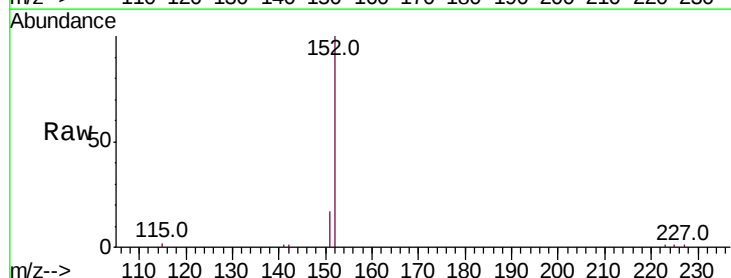
Acq: 11 Aug 2019 02:36

Tgt Ion: 152 Resp: 16218

Ion Ratio Lower Upper

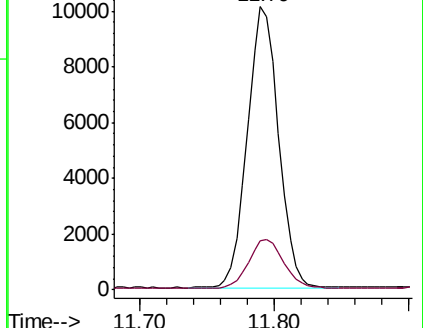
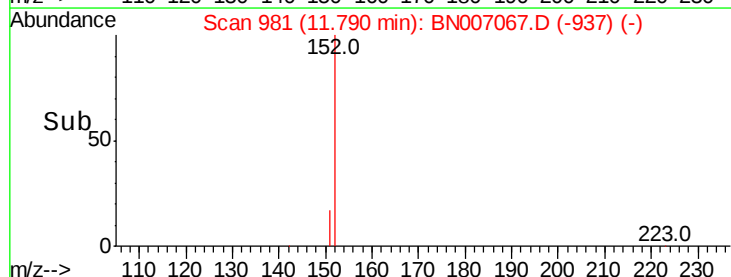
152 100

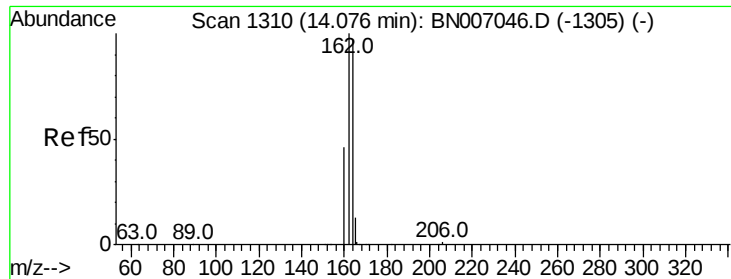
151 19.3 15.5 23.3



Abundance Ion 152.00 (151.70 to 152.70): BN007046.D (-970) (-)

Ion 151.00 (150.70 to 151.70): BN007046.D (-970) (-)





#12

Acenaphthene-d10

Concen: 0.400 ng

RT: 14.08 min Scan# 1310

Delta R.T. -0.00 min

Lab File: BN007067.D

Acq: 11 Aug 2019 02:36

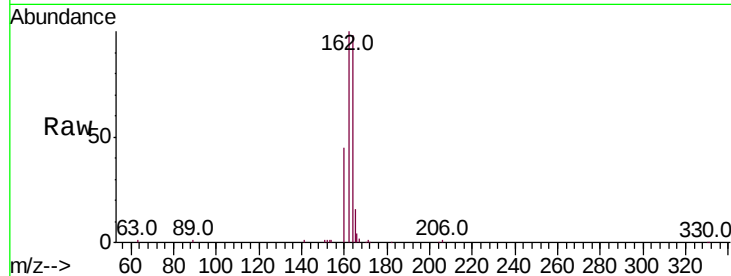
Instrument :

BNA_N

ClientSampleId :

Tot Ion:164 Resp: 19117

Ion	Ratio	Lower	Upper
164	100		
162	102.3	82.2	123.4
160	46.5	38.3	57.5

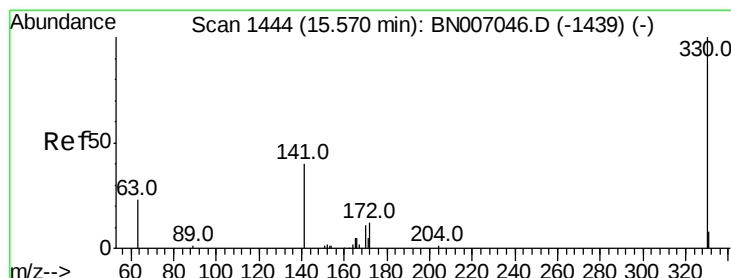
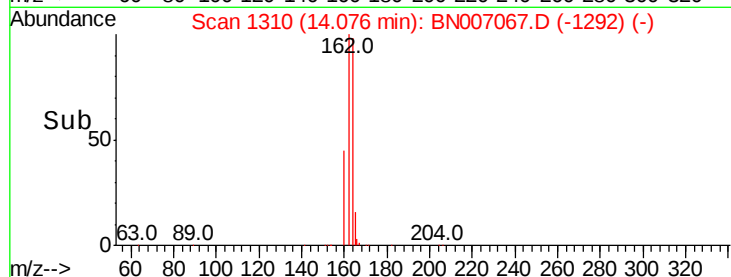
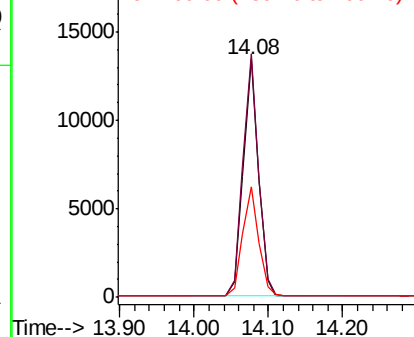


Abundance

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



#13

2,4,6-Tribromophenol

Concen: 0.231 ng

RT: 15.57 min Scan# 1444

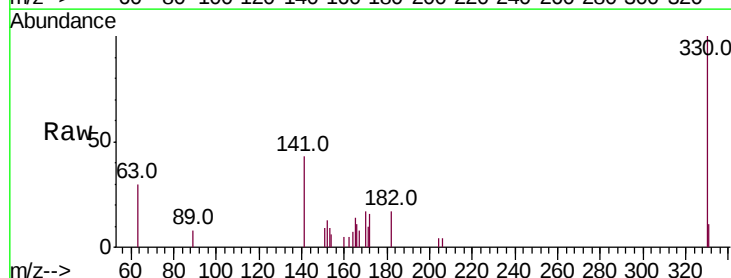
Delta R.T. -0.00 min

Lab File: BN007067.D

Acq: 11 Aug 2019 02:36

Tgt Ion:330 Resp: 2381

Ion	Ratio	Lower	Upper
330	100		
332	0.0	0.0	0.0
141	45.1	33.6	50.4

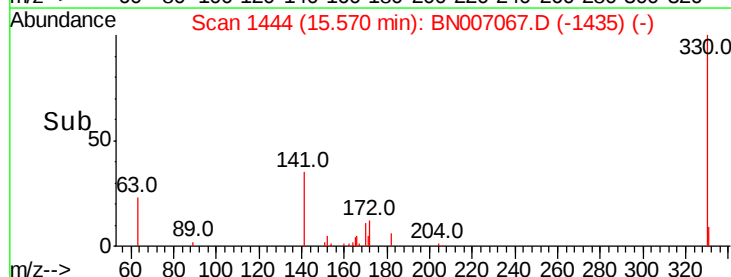
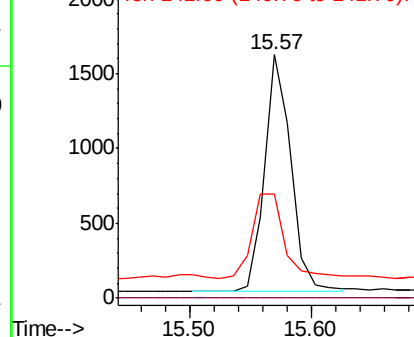


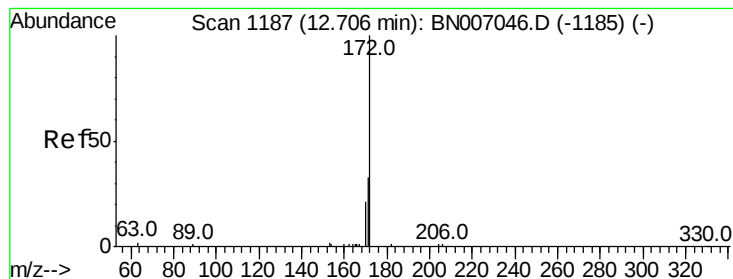
Abundance

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: 0.248 ng

RT: 12.71 min Scan# 1187

Delta R.T. -0.00 min

Lab File: BN007067.D

Acq: 11 Aug 2019 02:36

Instrument :

BNA_N

ClientSampleId :

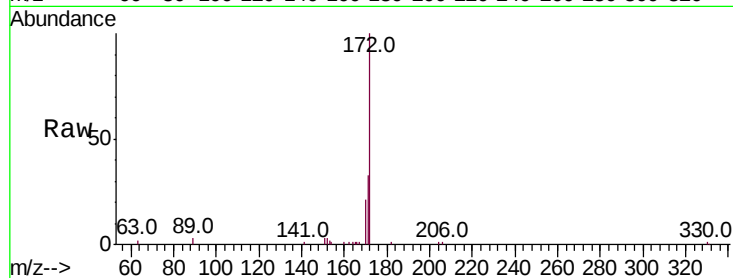
Tot Ion:172 Resp: 6883

Ion Ratio Lower Upper

172 100

171 32.5 26.3 39.5

170 20.6 17.0 25.4

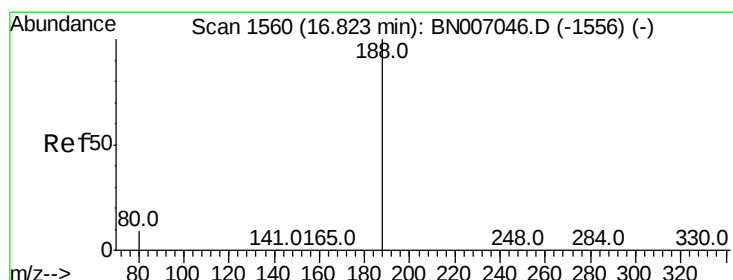
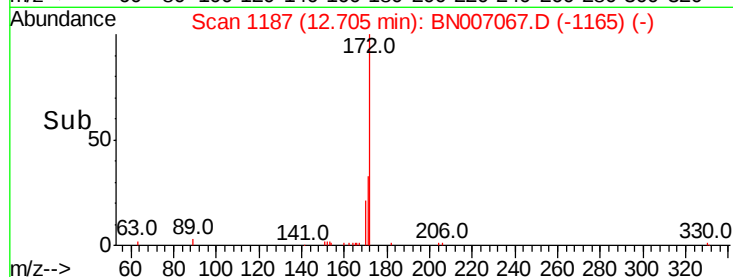
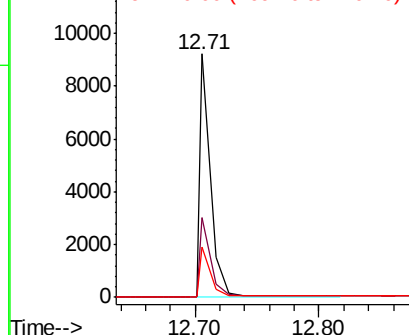


Abundance

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



#18

Phenanthrene-d10

Concen: 0.400 ng

RT: 16.82 min Scan# 1560

Delta R.T. -0.00 min

Lab File: BN007067.D

Acq: 11 Aug 2019 02:36

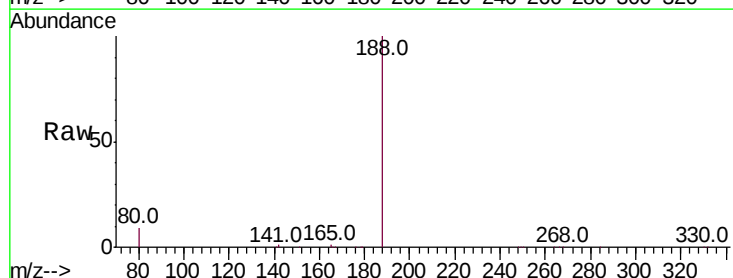
Tgt Ion:188 Resp: 47585

Ion Ratio Lower Upper

188 100

94 0.0 0.0 0.0

80 8.8 7.8 11.6

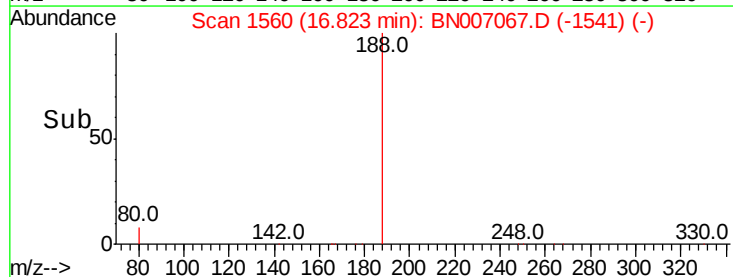
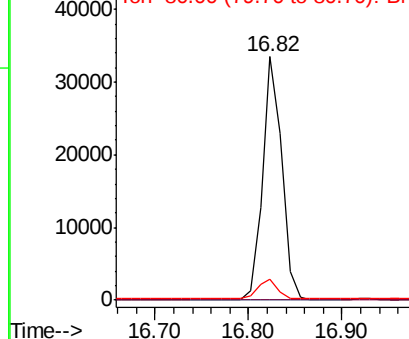


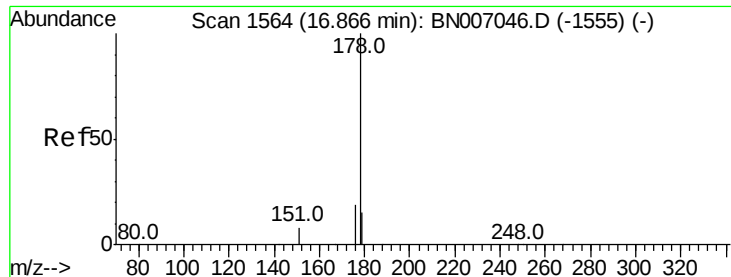
Abundance

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





#22

Phenanthrene

Concen: 0.116 ng

RT: 16.87 min Scan# 1564

Delta R.T. -0.00 min

Lab File: BN007067.D

Acq: 11 Aug 2019 02:36

Instrument :

BNA_N

ClientSampleId :

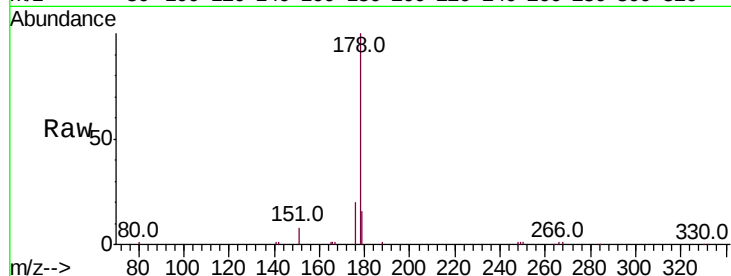
Tot Ion:178 Resp: 16517

Ion Ratio Lower Upper

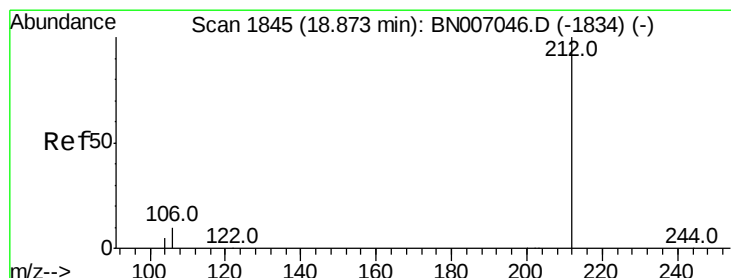
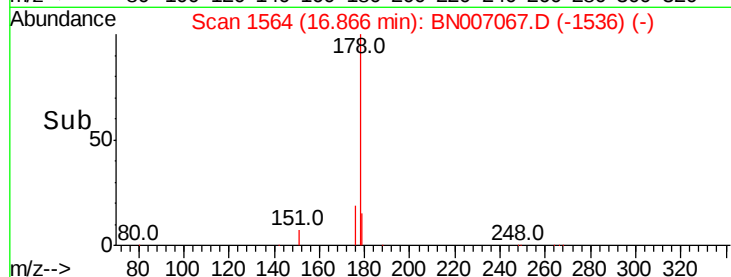
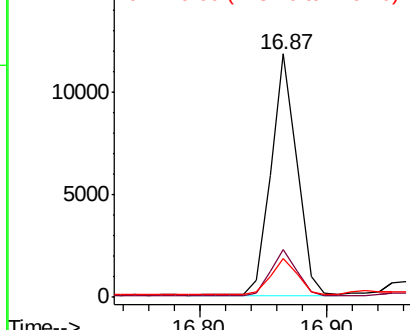
178 100

176 19.6 15.2 22.8

179 15.9 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



#24

Fluoranthene-d10

Concen: 0.218 ng

RT: 18.87 min Scan# 1844

Delta R.T. -0.01 min

Lab File: BN007067.D

Acq: 11 Aug 2019 02:36

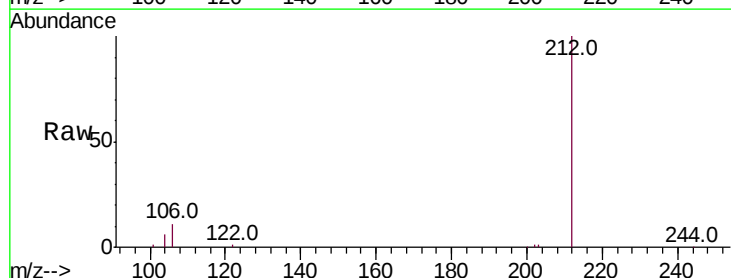
Tgt Ion:212 Resp: 36810

Ion Ratio Lower Upper

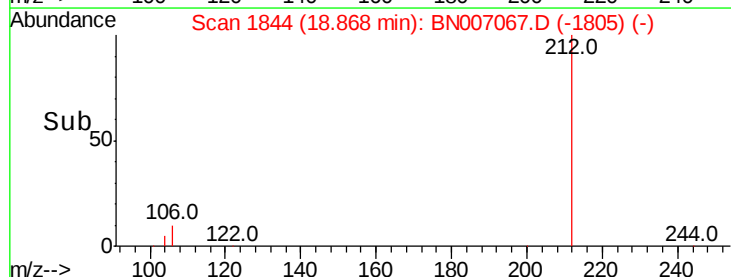
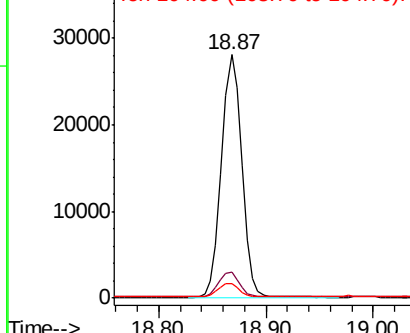
212 100

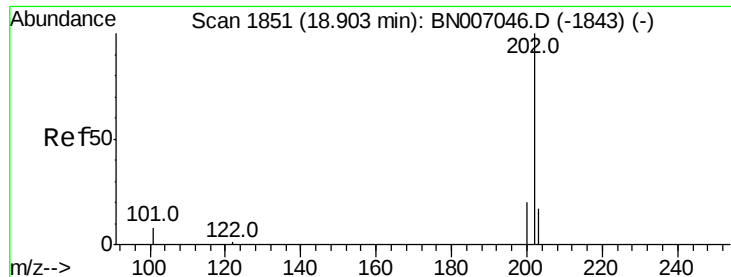
106 10.1 8.2 12.2

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: 0.124 ng

RT: 18.90 min Scan# 1850

Delta R.T. -0.01 min

Lab File: BN007067.D

Acq: 11 Aug 2019 02:36

Instrument :

BNA_N

ClientSampleId :

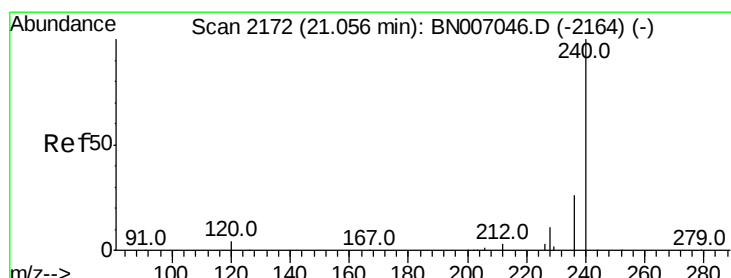
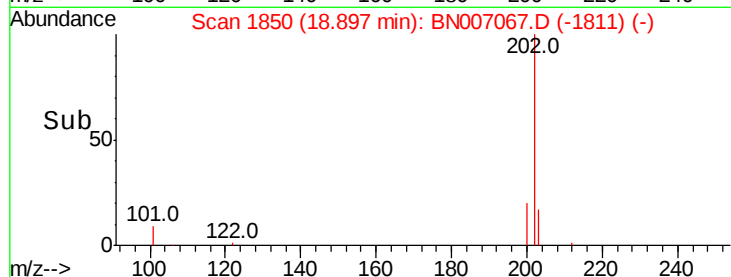
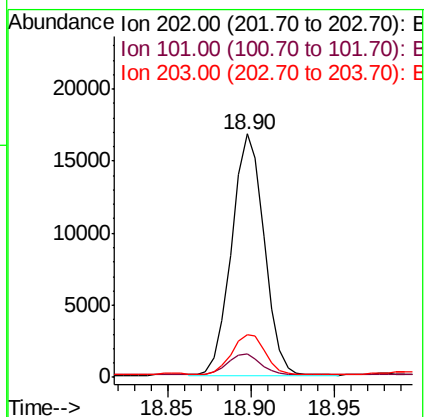
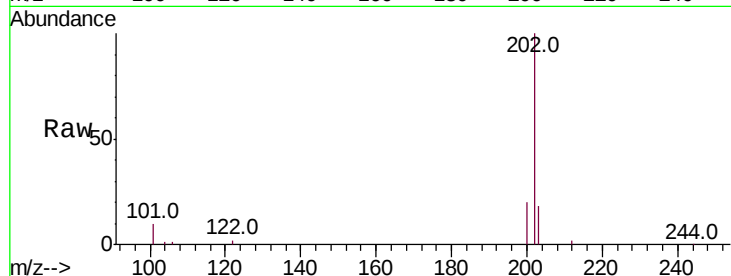
Tot Ion:202 Resp: 22648

Ion Ratio Lower Upper

202 100

101 8.6 7.0 10.4

203 17.3 13.8 20.8



#26

Chrysene-d12

Concen: 0.400 ng

RT: 21.05 min Scan# 2171

Delta R.T. -0.01 min

Lab File: BN007067.D

Acq: 11 Aug 2019 02:36

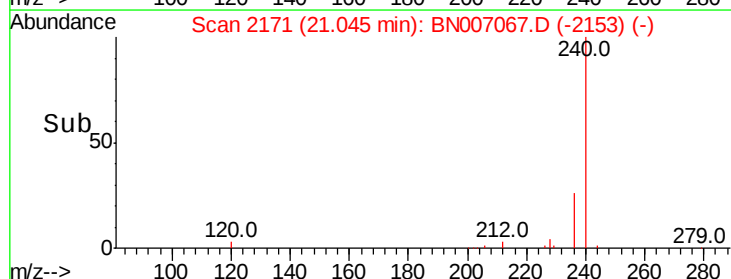
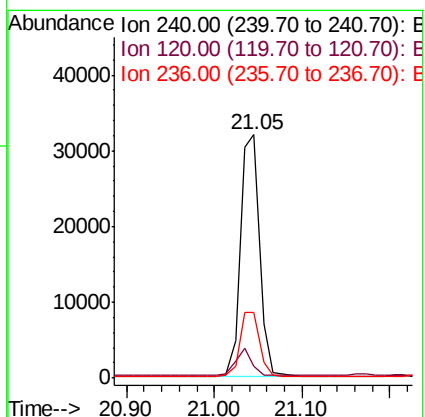
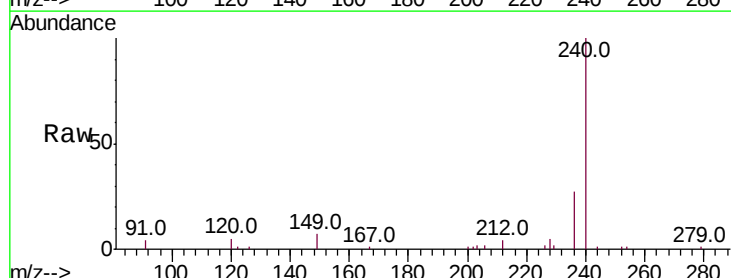
Tgt Ion:240 Resp: 48243

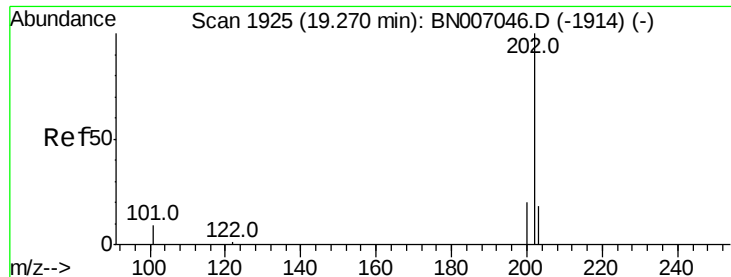
Ion Ratio Lower Upper

240 100

120 5.1 4.0 6.0

236 27.2 21.3 31.9

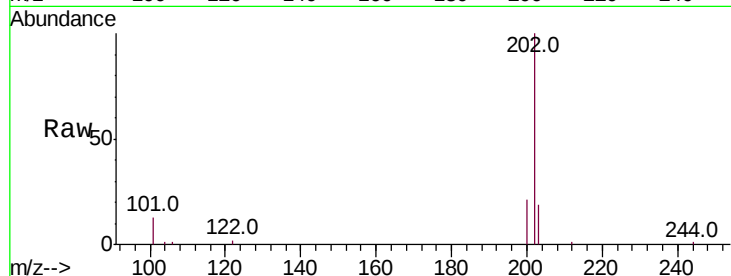




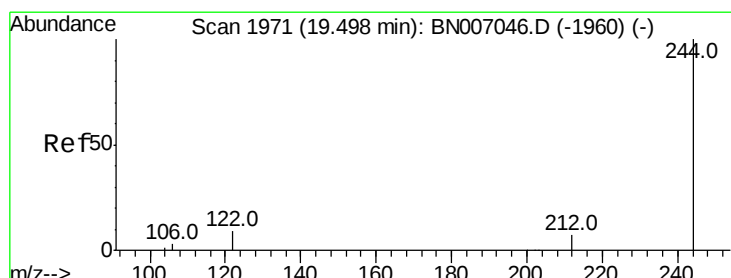
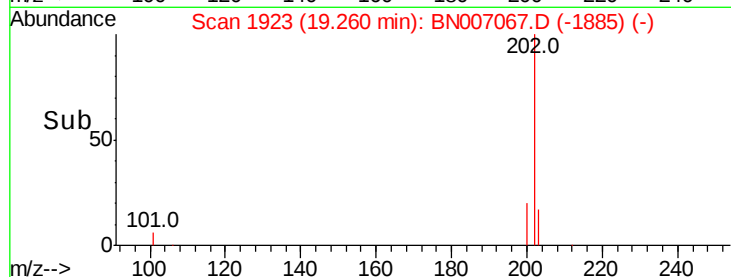
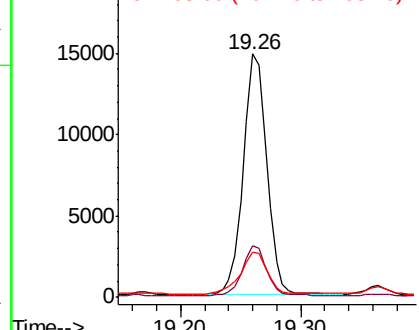
#27
Pvrene
Concen: 0.120 ng
RT: 19.26 min Scan# 1923
Delta R.T. -0.01 min
Lab File: BN007067.D
Acq: 11 Aug 2019 02:36

Instrument :
BNA_N
ClientSampleId :

Tot Ion:202 Resp: 20294
Ion Ratio Lower Upper
202 100
200 21.1 16.6 24.8
203 20.5 14.0 21.0

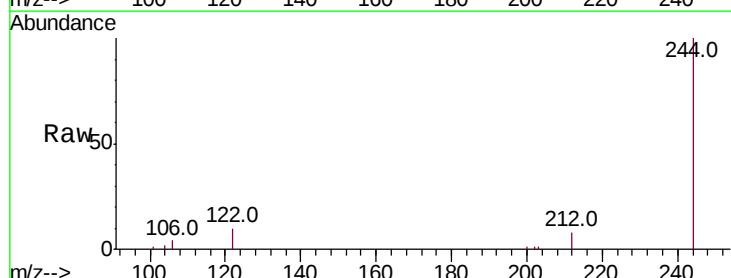


Abundance Ion 202.00 (201.70 to 202.70): E
20000
Ion 200.00 (199.70 to 200.70): E
Ion 203.00 (202.70 to 203.70): E

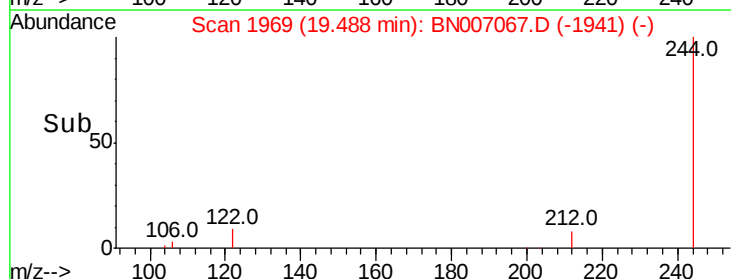
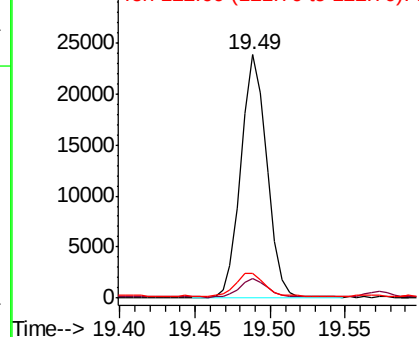


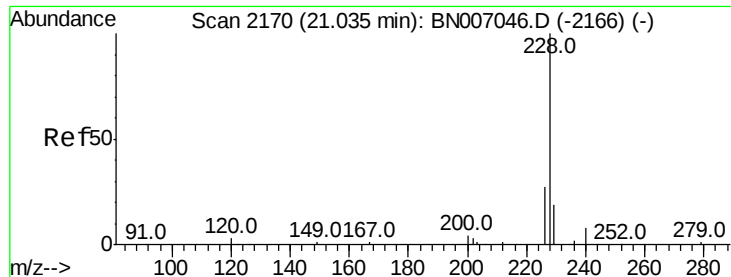
#28
Terphenyl-d14
Concen: 0.215 ng
RT: 19.49 min Scan# 1969
Delta R.T. -0.01 min
Lab File: BN007067.D
Acq: 11 Aug 2019 02:36

Tgt Ion:244 Resp: 28214
Ion Ratio Lower Upper
244 100
212 8.1 6.2 9.2
122 10.4 7.4 11.2



Abundance Ion 244.00 (243.70 to 244.70): E
30000
Ion 212.00 (211.70 to 212.70): E
Ion 122.00 (121.70 to 122.70): E





#29

Benzo(a)anthracene

Concen: 0.052 ng

RT: 21.02 min Scan# 2169

Delta R.T. -0.01 min

Lab File: BN007067.D

Acq: 11 Aug 2019 02:36

Instrument :

BNA_N

ClientSampleId :

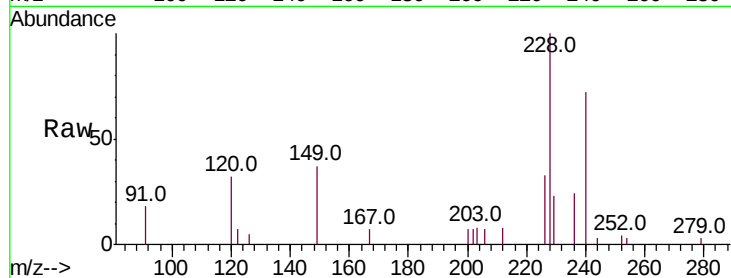
Tot Ion:228 Resp: 9089

Ion Ratio Lower Upper

228 100

226 33.1 21.8 32.6#

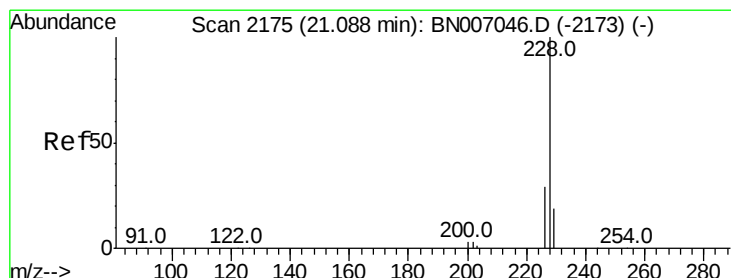
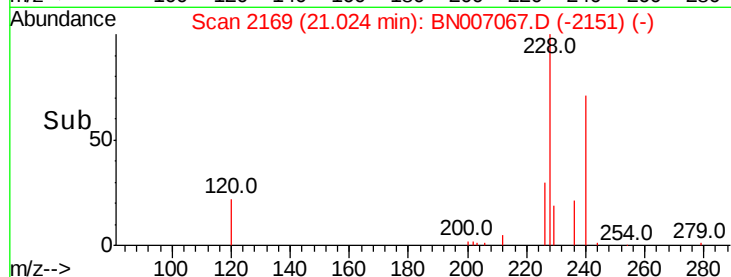
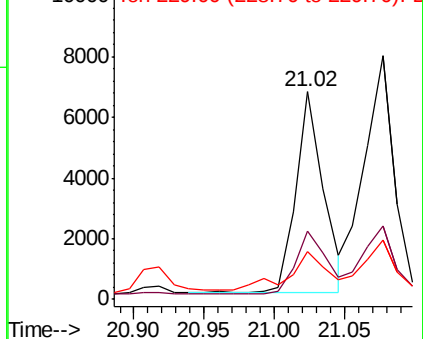
229 22.9 15.6 23.4



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: 0.049 ng

RT: 21.02 min Scan# 2169

Delta R.T. -0.06 min

Lab File: BN007067.D

Acq: 11 Aug 2019 02:36

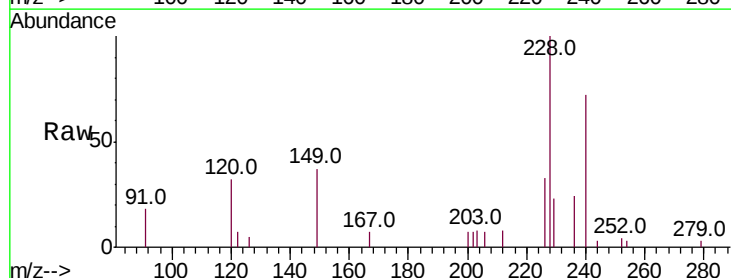
Tgt Ion:228 Resp: 8448

Ion Ratio Lower Upper

228 100

226 33.1 23.8 35.6

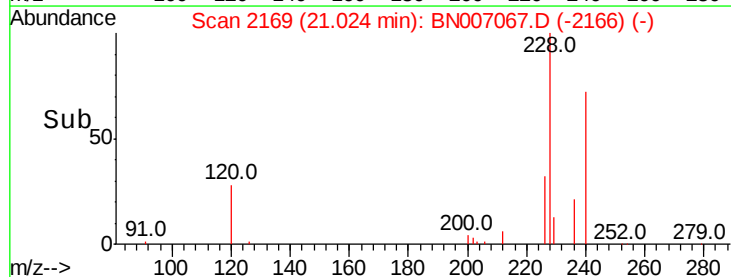
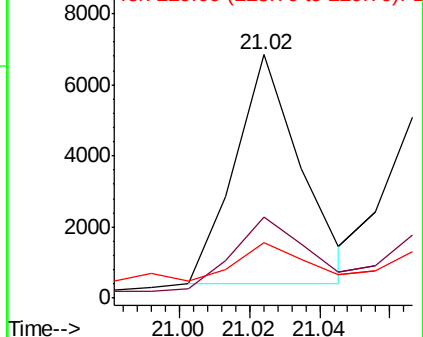
229 22.9 15.7 23.5

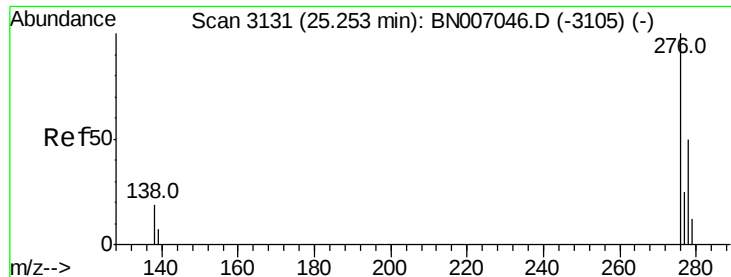


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

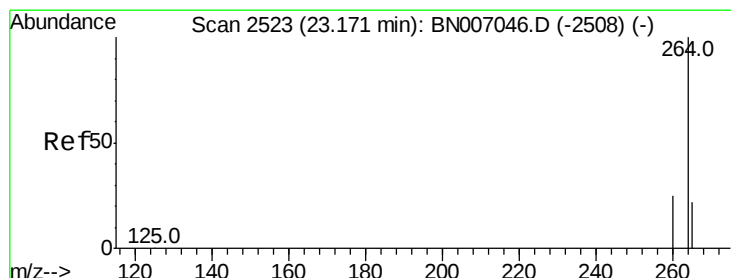
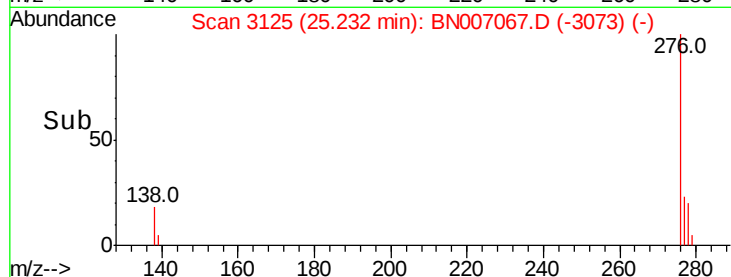
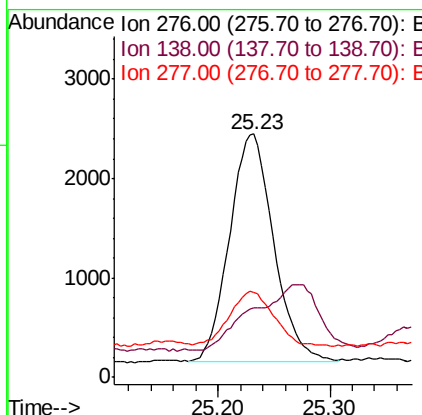
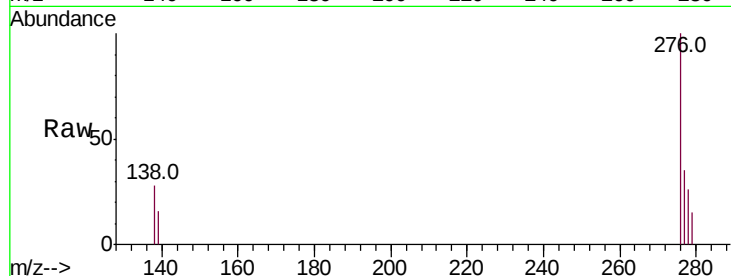




#31
Indeno(1,2,3-cd)pyrene
Concen: 0.033 ng
RT: 25.23 min Scan# 3125
Delta R.T. -0.02 min
Lab File: BN007067.D
Acq: 11 Aug 2019 02:36

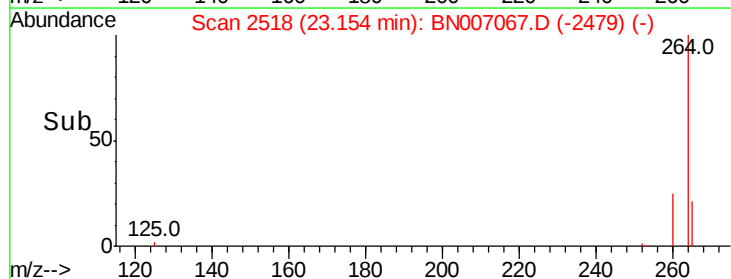
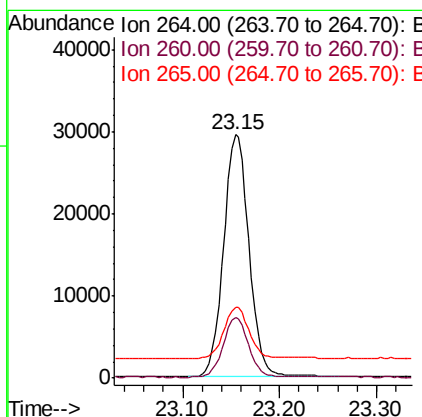
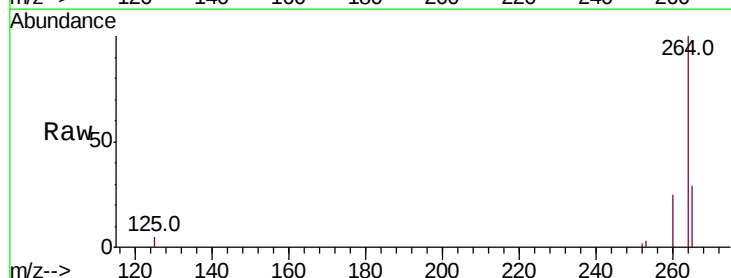
Instrument :
BNA_N
ClientSampleId :

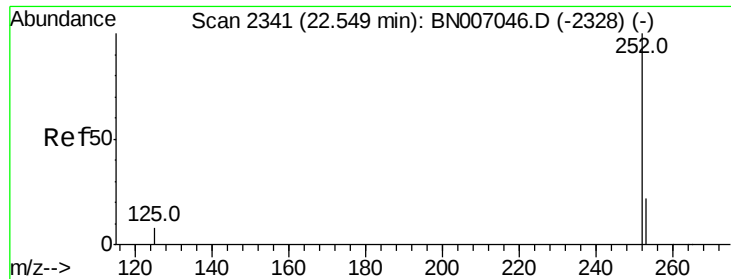
Tot Ion:276 Resp: 6257
Ion Ratio Lower Upper
276 100
138 0.0 16.0 24.0#
277 24.8 19.9 29.9



#32
Perylene-d12
Concen: 0.400 ng
RT: 23.15 min Scan# 2518
Delta R.T. -0.02 min
Lab File: BN007067.D
Acq: 11 Aug 2019 02:36

Tgt Ion:264 Resp: 54058
Ion Ratio Lower Upper
264 100
260 25.0 19.8 29.8
265 29.3 26.2 39.4





#33

Benzo(b)fluoranthene

Concen: 0.078 ng

RT: 22.54 min Scan# 2338

Delta R.T. -0.01 min

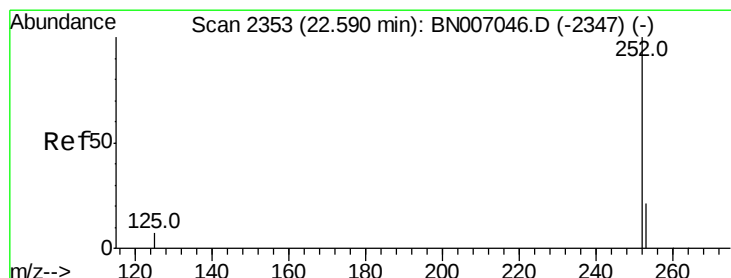
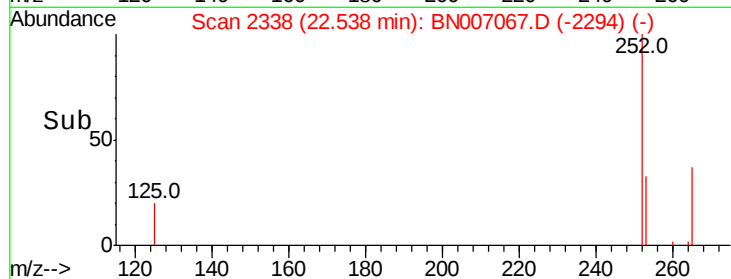
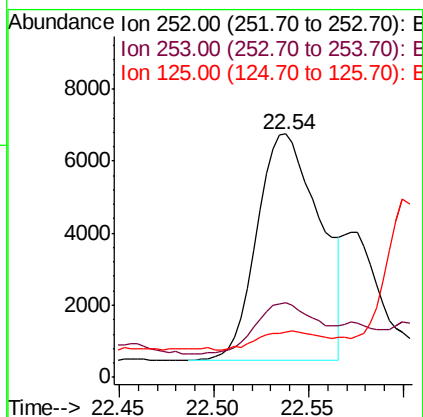
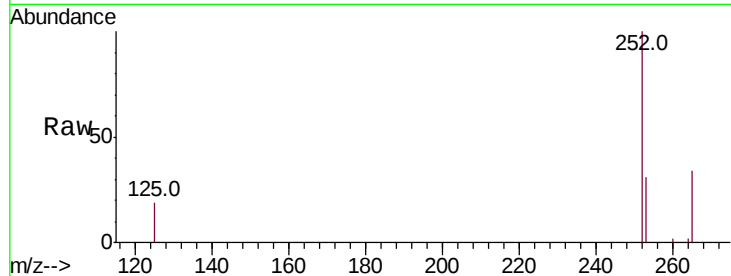
Lab File: BN007067.D

Acq: 11 Aug 2019 02:36

Instrument :
BNA_N
ClientSampleId :

Tot Ion:252 Resp: 14502

Ion	Ratio	Lower	Upper
252	100		
253	30.7	18.2	27.2#
125	18.8	7.4	11.0#



#34

Benzo(k)fluoranthene

Concen: 0.079 ng

RT: 22.54 min Scan# 2338

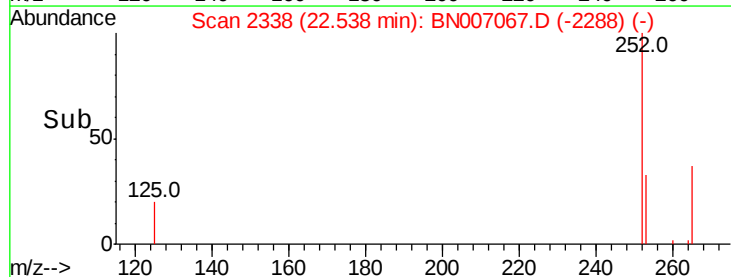
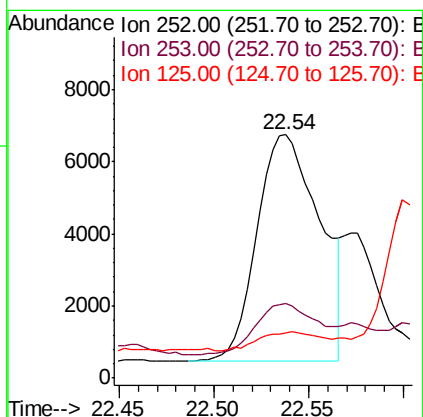
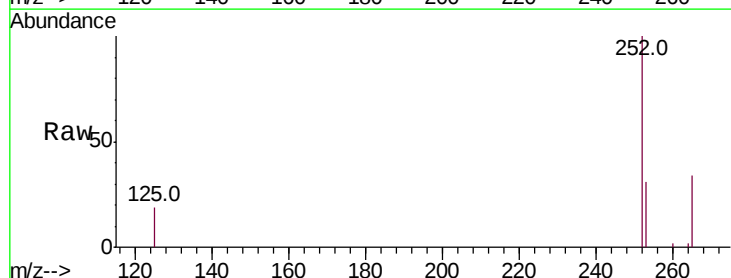
Delta R.T. -0.05 min

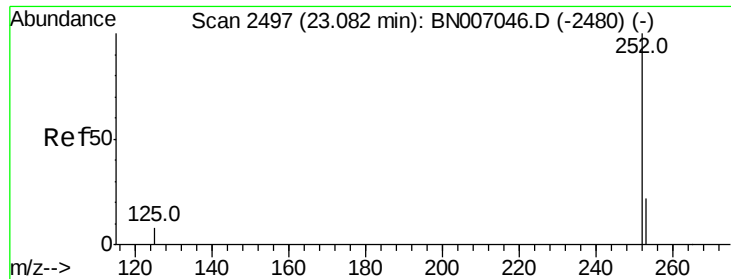
Lab File: BN007067.D

Acq: 11 Aug 2019 02:36

Tgt Ion:252 Resp: 14502

Ion	Ratio	Lower	Upper
252	100		
253	30.7	18.1	27.1#
125	18.8	7.4	11.0#





#35

Benzo(a)pyrene

Concen: 0.054 ng

RT: 23.06 min Scan# 2491

Delta R.T. -0.02 min

Lab File: BN007067.D

Acq: 11 Aug 2019 02:36

Instrument :

BNA_N

ClientSampleId :

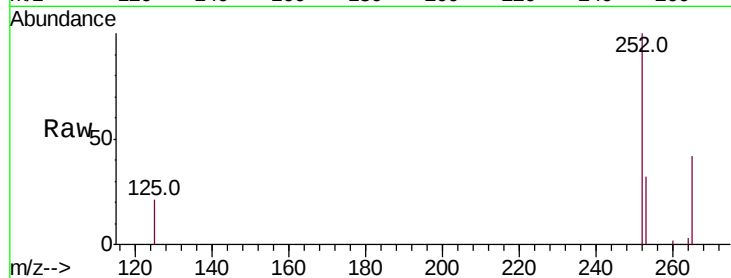
Tot Ion:252 Resp: 9096

Ion Ratio Lower Upper

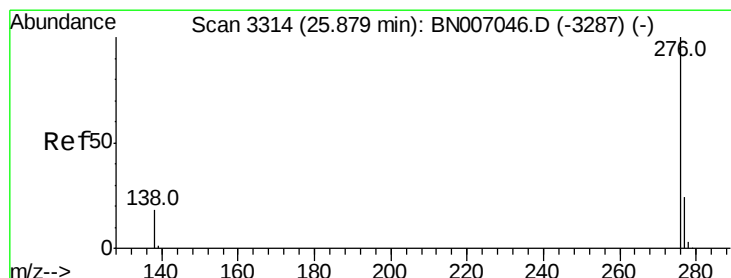
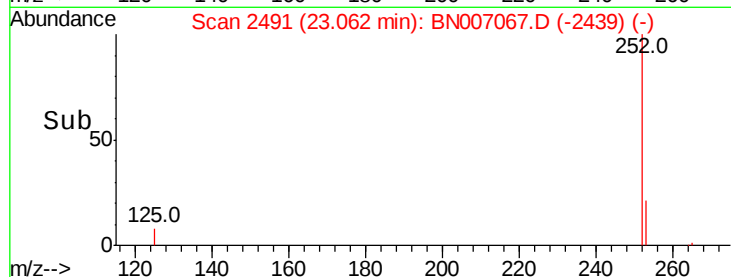
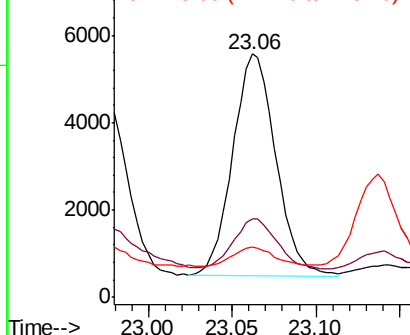
252 100

253 32.4 18.5 27.7#

125 20.5 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



#37

Benzo(g,h,i)perylene

Concen: 0.035 ng

RT: 25.86 min Scan# 3309

Delta R.T. -0.02 min

Lab File: BN007067.D

Acq: 11 Aug 2019 02:36

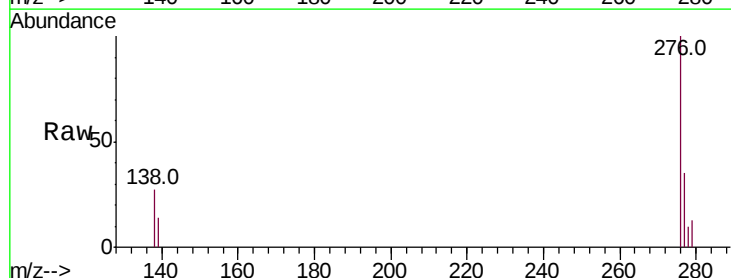
Tgt Ion:276 Resp: 6043

Ion Ratio Lower Upper

276 100

277 34.9 19.8 29.8#

138 27.2 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

