

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN081219\
 Data File : BN007119.D
 Acq On : 13 Aug 2019 07:31
 Operator : HP/JU
 Sample : K4240-01
 Misc :
 ALS Vial : 28 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :

Quant Time: Aug 13 08:48:43 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	9459	0.40	ng	0.00
6) Naphthalene-d8	10.19	136	36749	0.40	ng	0.00
12) Acenaphthene-d10	14.08	164	20967	0.40	ng	0.00
18) Phenanthrene-d10	16.82	188	49444	0.40	ng	0.00
26) Chrysene-d12	21.05	240	48110	0.40	ng	-0.01
32) Perylene-d12	23.16	264	53127	0.40	ng	-0.01

System Monitoring Compounds						
3) 2-Fluorophenol	5.06	112	5251	0.23	ng	0.00
4) Phenol-d6	6.62	99	7176	0.25	ng	0.00
7) Nitrobenzene-d5	8.56	82	5728	0.19	ng	0.00
10) 2-Methylnaphthalene-d10	11.79	152	12446	0.18	ng	0.00
13) 2,4,6-Tribromophenol	15.57	330	1848	0.16	ng	0.00
14) 2-Fluorobiphenyl	12.71	172	3198	0.10	ng	0.00
24) Fluoranthene-d10	18.87	212	27884	0.16	ng	0.00
28) Terphenyl-d14	19.49	244	21253	0.16	ng	-0.01

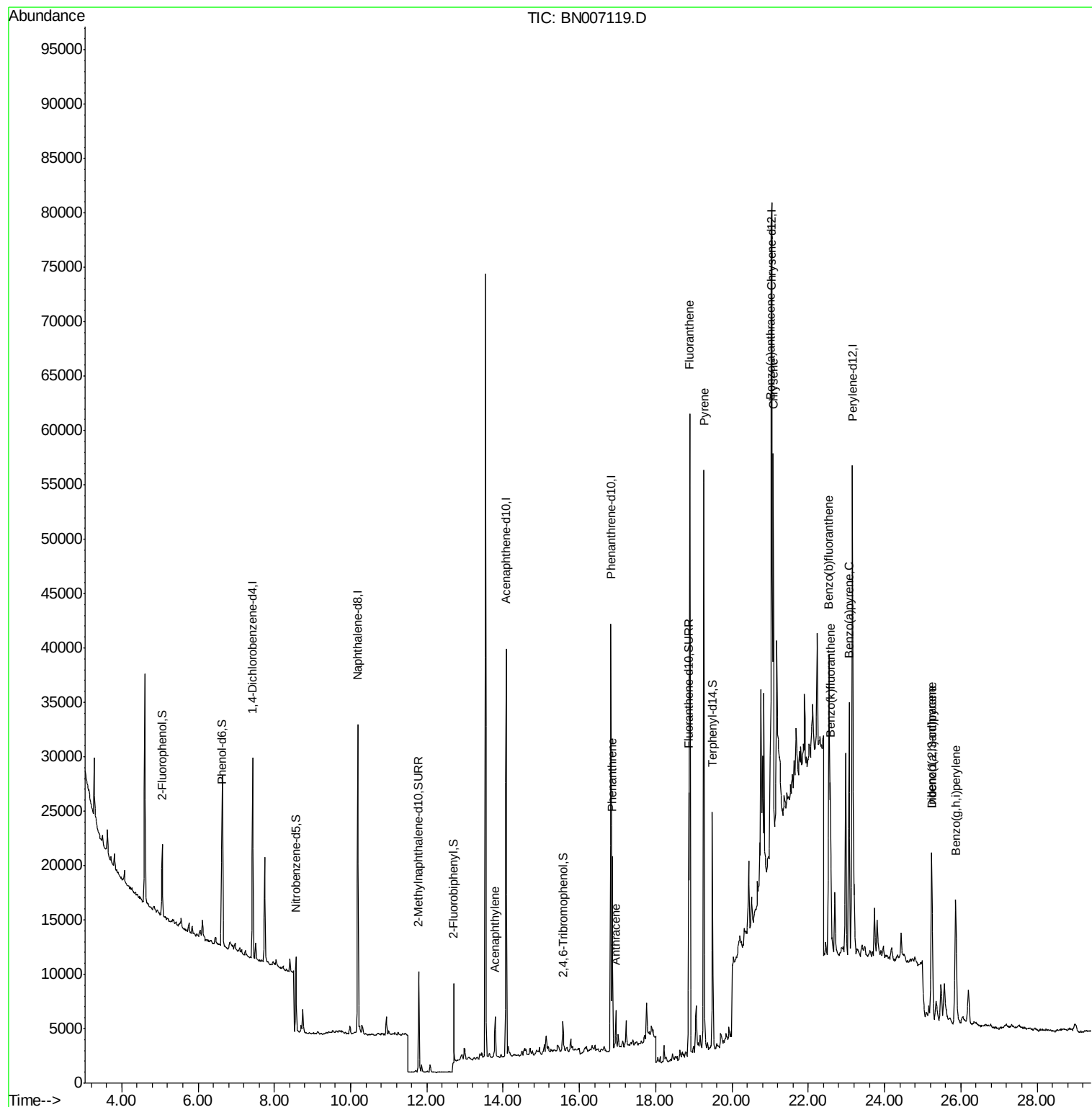
Target Compounds				Qvalue		
15) Acenaphthylene	13.79	152	5751	0.052	ng	100
22) Phenanthrene	16.87	178	17796	0.120	ng	98
23) Anthracene	16.95	178	4064	0.030	ng	# 91
25) Fluoranthene	18.90	202	52008	0.274	ng	99
27) Pyrene	19.26	202	49402	0.293	ng	# 96
29) Benzo(a)anthracene	21.02	228	30099	0.171	ng	# 88
30) Chrysene	21.08	228	33138	0.194	ng	# 91
31) Indeno(1,2,3-cd)pyrene	25.24	276	23080	0.123	ng	99
33) Benzo(b)fluoranthene	22.54	252	45346	0.249	ng	# 80
34) Benzo(k)fluoranthene	22.58	252	14367m	0.080	ng	
35) Benzo(a)pyrene	23.07	252	30259	0.183	ng	# 79
36) Dibenzo(a,h)anthracene	25.25	278	6166	0.037	ng	# 4
37) Benzo(a,h,i)perylene	25.87	276	23233	0.137	ng	# 83

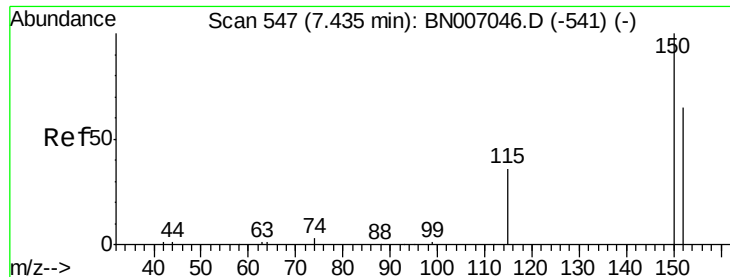
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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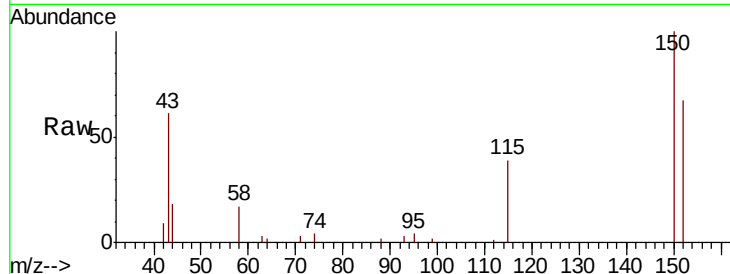


#1

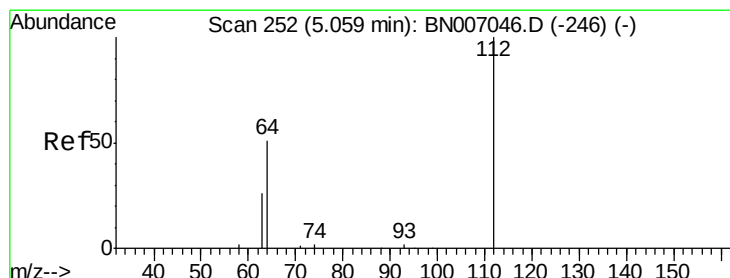
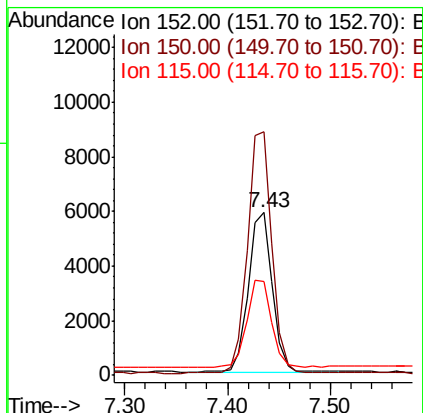
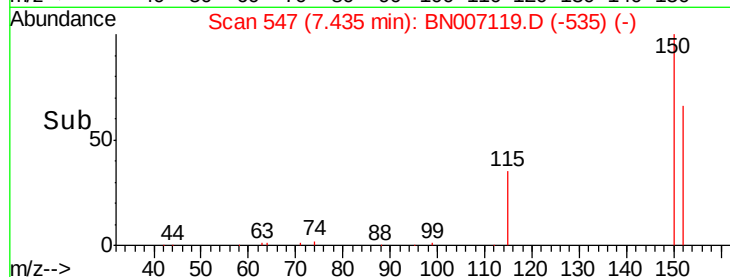
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.43 min Scan# 547
Delta R.T. -0.00 min
Lab File: BN007119.D
Acq: 13 Aug 2019 07:31

Instrument :
BNA_N
ClientSampleId :

Tot Ion:152 Resp: 9459
Ion Ratio Lower Upper
152 100
150 149.8 121.7 182.5
115 57.8 46.2 69.4



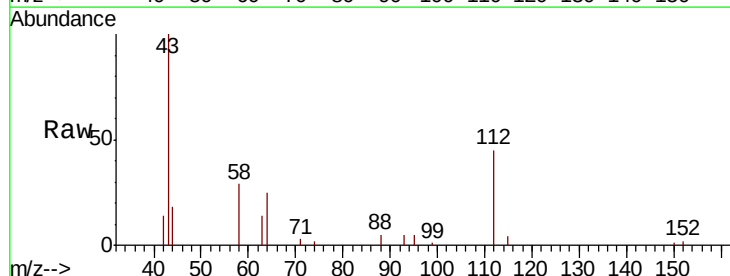
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



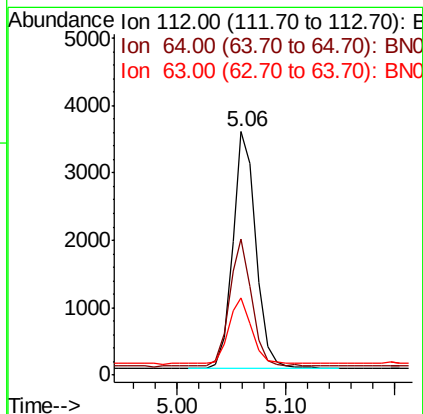
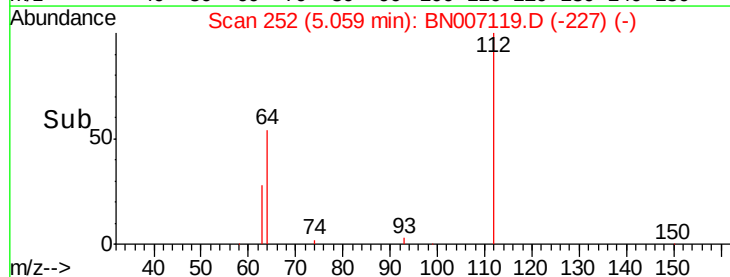
#3

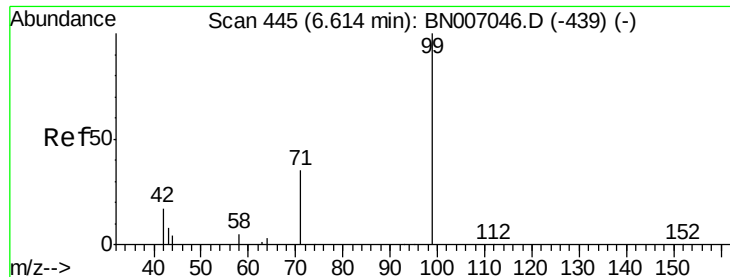
2-Fluorophenol
Concen: 0.231 ng
RT: 5.06 min Scan# 252
Delta R.T. -0.00 min
Lab File: BN007119.D
Acq: 13 Aug 2019 07:31

Tgt Ion:112 Resp: 5251
Ion Ratio Lower Upper
112 100
64 52.7 42.6 63.8
63 27.3 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: 0.255 ng

RT: 6.62 min Scan# 446

Delta R.T. 0.01 min

Lab File: BN007119.D

Acq: 13 Aug 2019 07:31

Instrument :

BNA_N

ClientSampled :

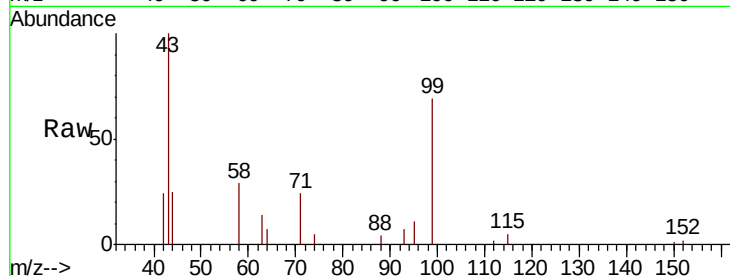
Tot Ion: 99 Resp: 7176

Ion Ratio Lower Upper

99 100

42 31.3 15.8 23.6#

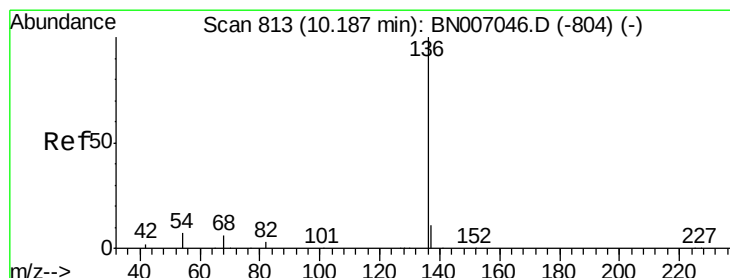
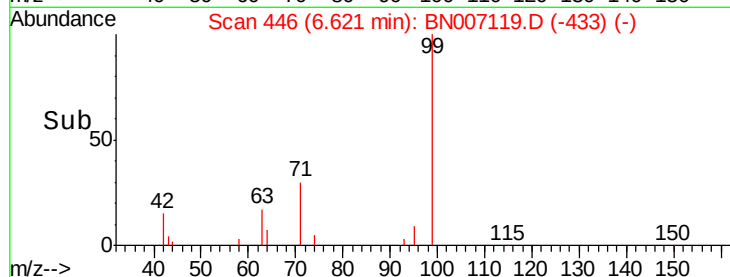
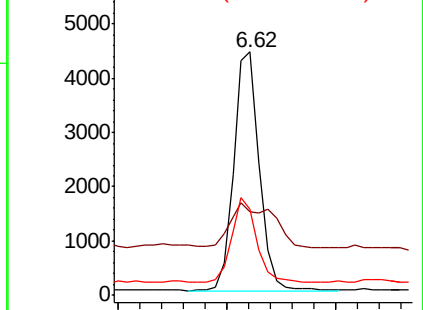
71 34.8 27.0 40.4



Abundance Ion 99.00 (98.70 to 99.70): BN007119.D (-433) (-)

Ion 42.00 (41.70 to 42.70): BN007119.D (-433) (-)

Ion 71.00 (70.70 to 71.70): BN007119.D (-433) (-)



#6

Naphthalene-d8

Concen: 0.400 ng

RT: 10.19 min Scan# 813

Delta R.T. -0.00 min

Lab File: BN007119.D

Acq: 13 Aug 2019 07:31

Tgt Ion: 136 Resp: 36749

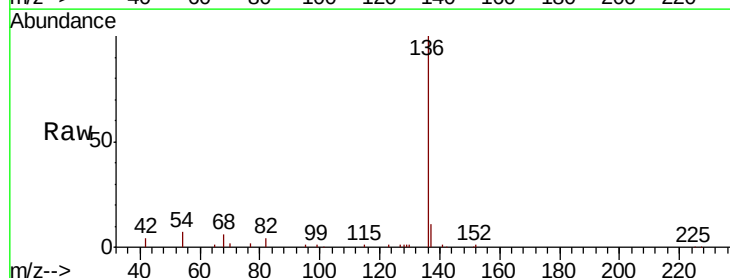
Ion Ratio Lower Upper

136 100

137 11.2 9.4 14.0

54 6.6 6.6 9.8

68 6.1 6.0 9.0

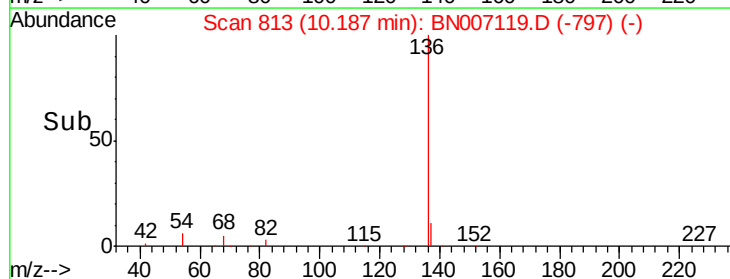
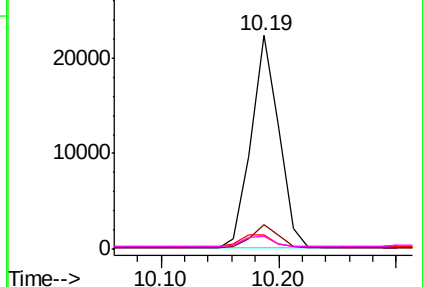


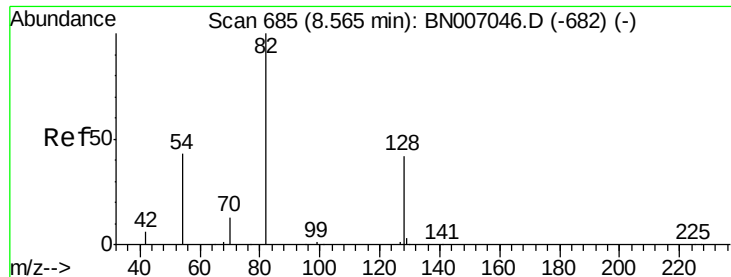
Abundance Ion 136.00 (135.70 to 136.70): BN007119.D (-797) (-)

Ion 137.00 (136.70 to 137.70): BN007119.D (-797) (-)

Ion 54.00 (53.70 to 54.70): BN007119.D (-797) (-)

Ion 68.00 (67.70 to 68.70): BN007119.D (-797) (-)





#7

Nitrobenzene-d5

Concen: 0.193 ng

RT: 8.56 min Scan# 685

Delta R.T. -0.00 min

Lab File: BN007119.D

Acq: 13 Aug 2019 07:31

Instrument :

BNA_N

ClientSampleId :

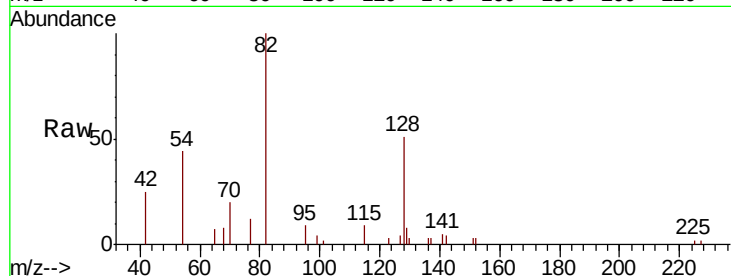
Tot Ion: 82 Resp: 5728

Ion Ratio Lower Upper

82 100

128 51.0 34.6 51.8

54 44.3 36.2 54.4

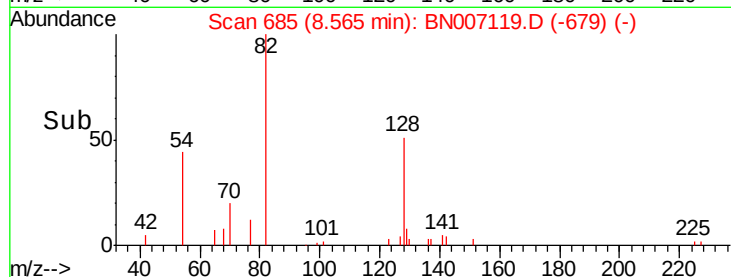


Abundance Ion 82.00 (81.70 to 82.70): BN007046.D (-682) (-)

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

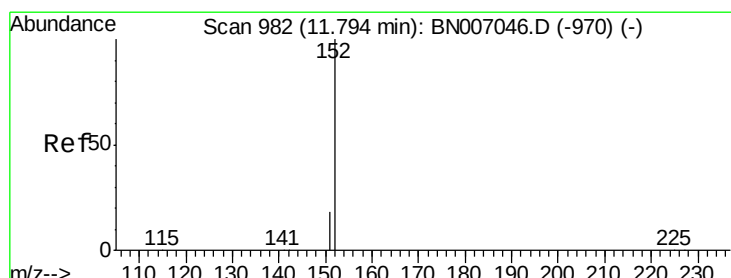
Ion 54.00 (53.70 to 54.70): BN007046.D (-682) (-)

Time-->



Abundance

Time-->



#10

2-Methylnaphthalene-d10

Concen: 0.182 ng

RT: 11.79 min Scan# 981

Delta R.T. -0.00 min

Lab File: BN007119.D

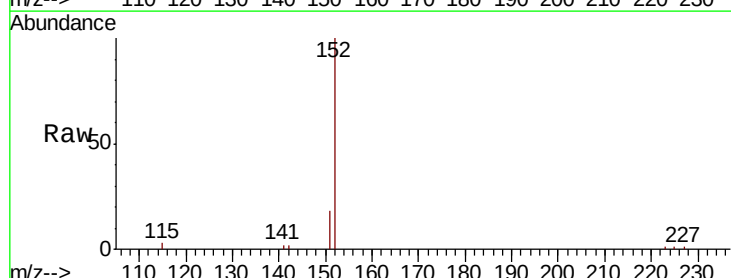
Acq: 13 Aug 2019 07:31

Tgt Ion: 152 Resp: 12446

Ion Ratio Lower Upper

152 100

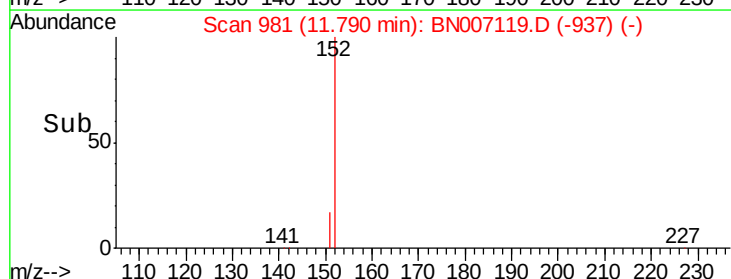
151 19.4 15.5 23.3



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

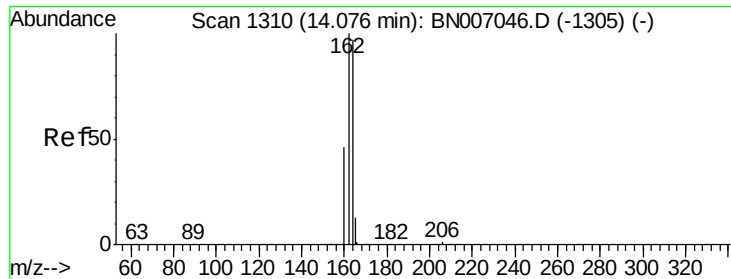
Ion 151.00 (150.70 to 151.70): BN007046.D (-970) (-)

Time-->



Abundance

Time-->



#12

Acenaphthene-d10

Concen: 0.400 ng

RT: 14.08 min Scan# 1310

Delta R.T. -0.00 min

Lab File: BN007119.D

Acq: 13 Aug 2019 07:31

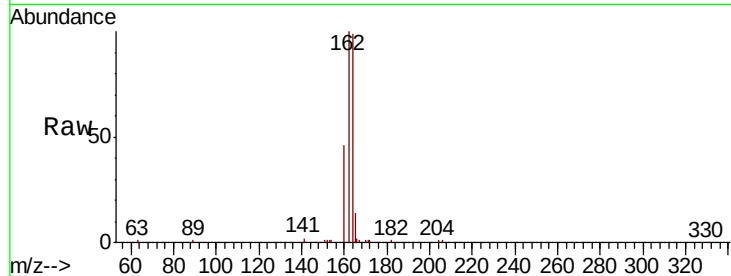
Instrument :

BNA_N

ClientSampleId :

Tot Ion:164 Resp: 20967

Ion	Ratio	Lower	Upper
164	100		
162	100.8	82.2	123.4
160	46.0	38.3	57.5

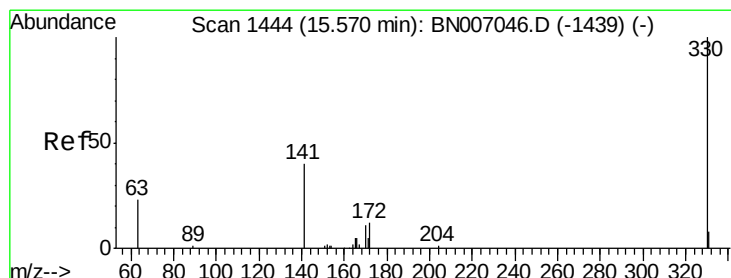
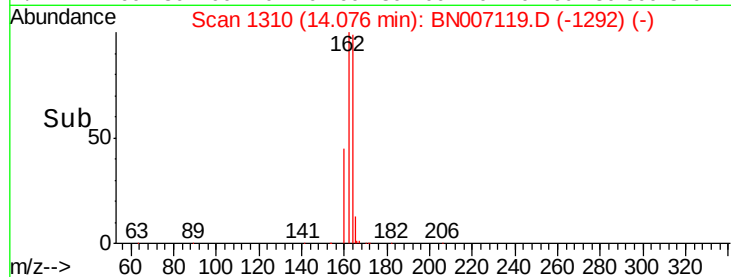
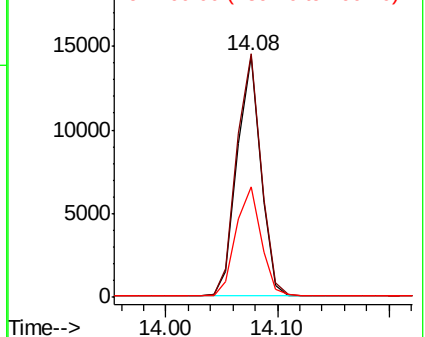


Abundance

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: 0.164 ng

RT: 15.57 min Scan# 1444

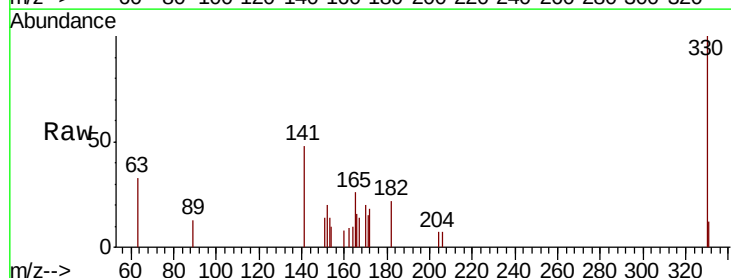
Delta R.T. -0.00 min

Lab File: BN007119.D

Acq: 13 Aug 2019 07:31

Tgt Ion:330 Resp: 1848

Ion	Ratio	Lower	Upper
330	100		
332	0.0	0.0	0.0
141	43.7	33.6	50.4

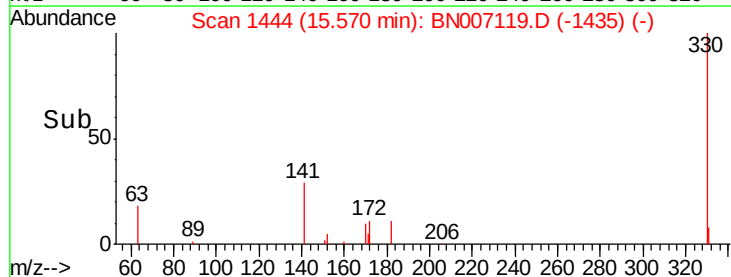
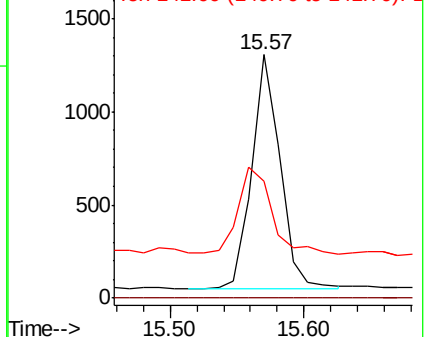


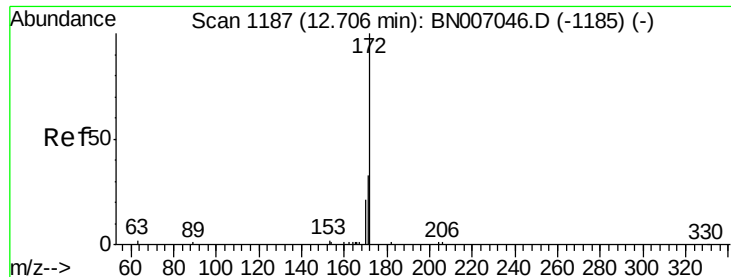
Abundance

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

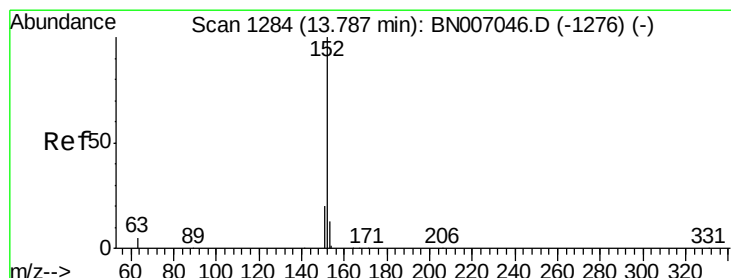
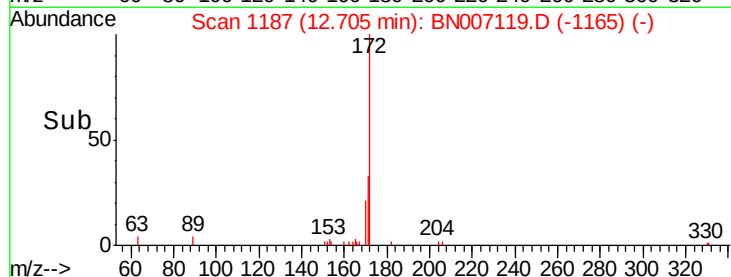
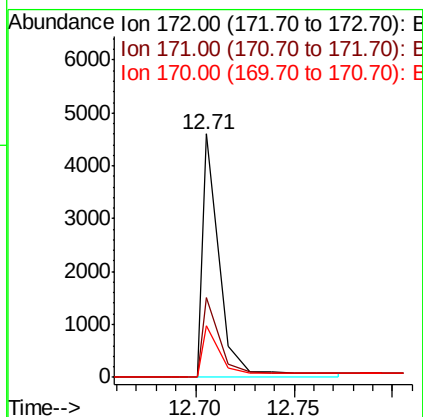
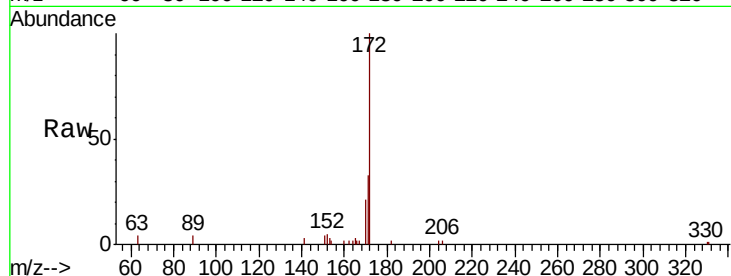




#14
2-Fluorobiphenyl
Concen: 0.105 ng
RT: 12.71 min Scan# 1187
Delta R.T. -0.00 min
Lab File: BN007119.D
Acq: 13 Aug 2019 07:31

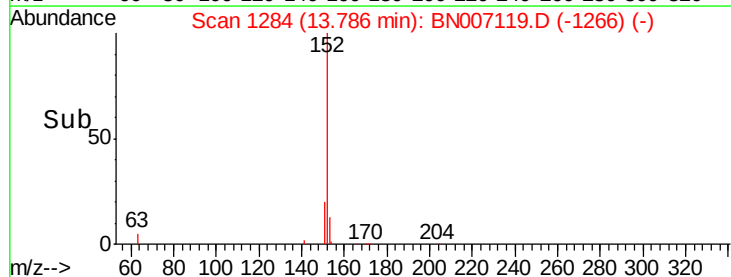
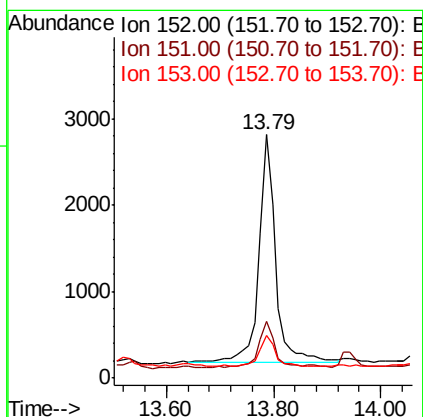
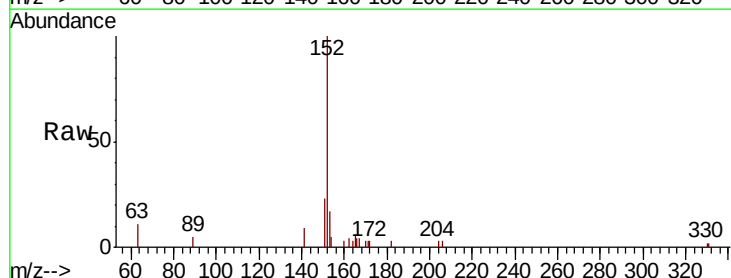
Instrument :
BNA_N
ClientSampleId :

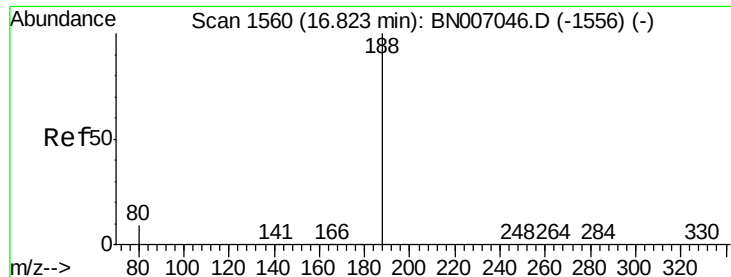
Tot Ion:172 Resp: 3198
Ion Ratio Lower Upper
172 100
171 32.6 26.3 39.5
170 21.0 17.0 25.4



#15
Acenaphthylene
Concen: 0.052 ng
RT: 13.79 min Scan# 1284
Delta R.T. -0.00 min
Lab File: BN007119.D
Acq: 13 Aug 2019 07:31

Tgt Ion:152 Resp: 5751
Ion Ratio Lower Upper
152 100
151 19.6 15.8 23.6
153 13.3 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: BN007119.D

Acq: 13 Aug 2019 07:31

Instrument :

BNA_N

ClientSampleId :

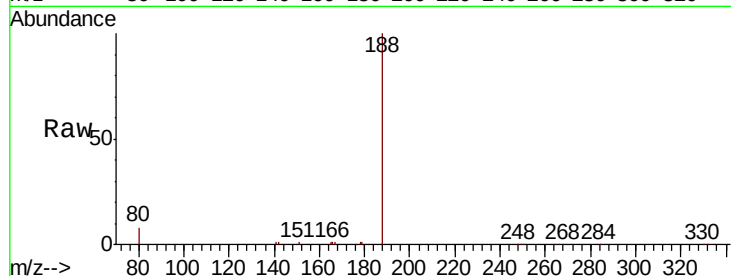
Tot Ion:188 Resp: 49444

Ion Ratio Lower Upper

188 100

94 0.0 0.0 0.0

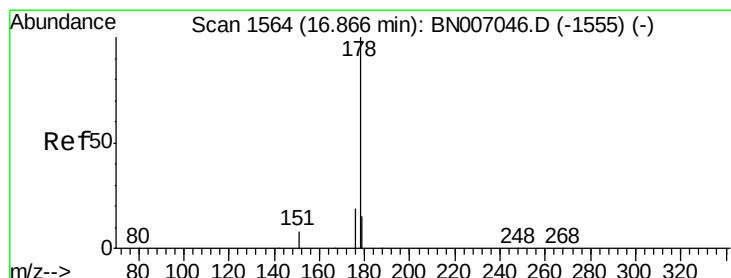
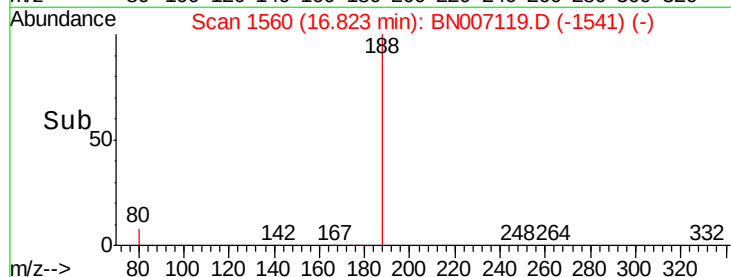
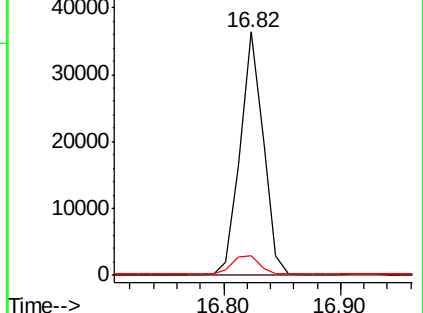
80 8.2 7.8 11.6



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: 0.120 ng

RT: 16.87 min Scan# 1564

Delta R.T. -0.00 min

Lab File: BN007119.D

Acq: 13 Aug 2019 07:31

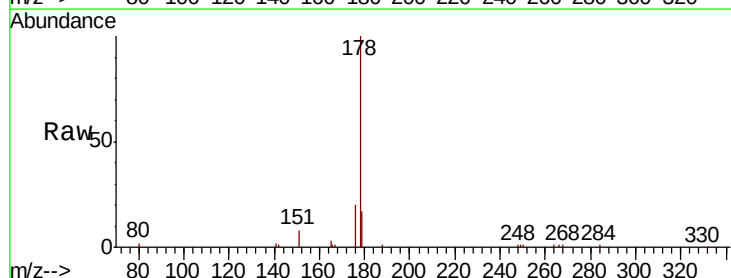
Tgt Ion:178 Resp: 17796

Ion Ratio Lower Upper

178 100

176 19.1 15.2 22.8

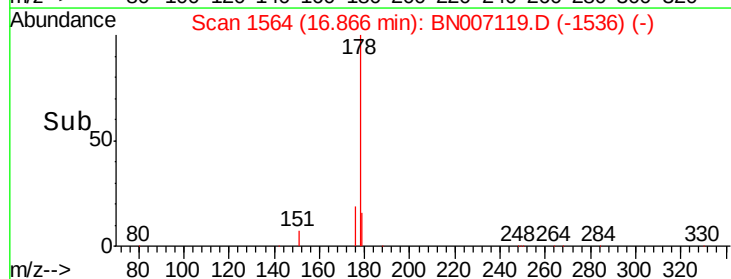
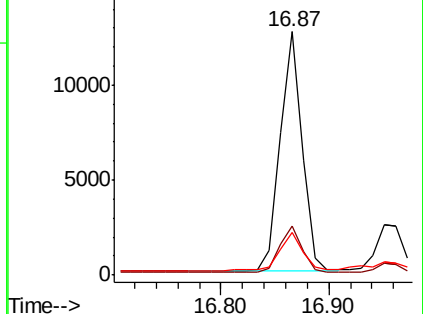
179 16.8 12.3 18.5

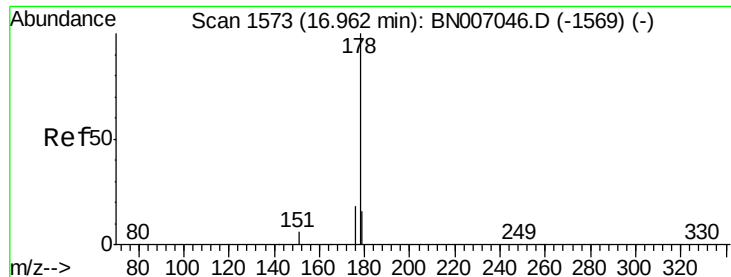


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#23

Anthracene

Concen: 0.030 ng

RT: 16.95 min Scan# 1572

Delta R.T. -0.01 min

Lab File: BN007119.D

Acq: 13 Aug 2019 07:31

Instrument :

BNA_N

ClientSampleId :

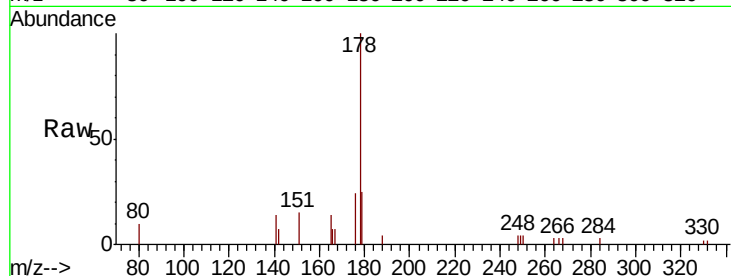
Tot Ion:178 Resp: 4064

Ion Ratio Lower Upper

178 100

176 18.9 14.6 21.8

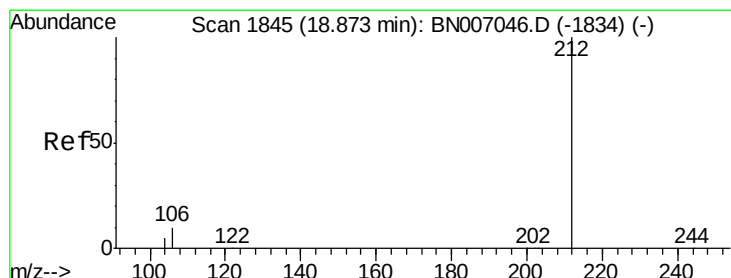
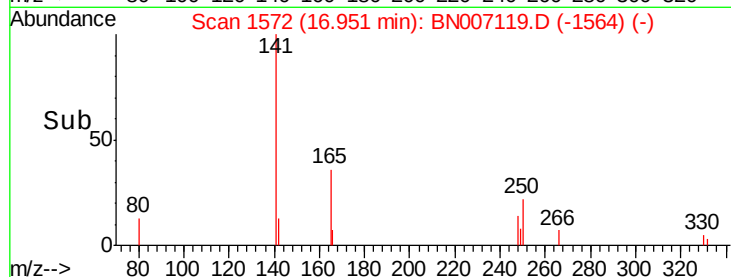
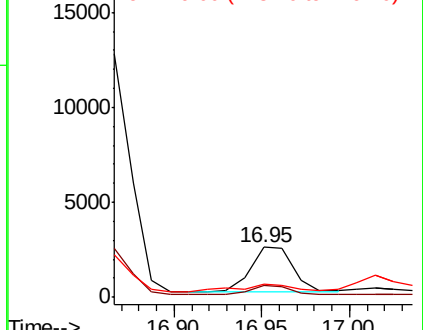
179 22.8 12.5 18.7#



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: 0.159 ng

RT: 18.87 min Scan# 1844

Delta R.T. -0.01 min

Lab File: BN007119.D

Acq: 13 Aug 2019 07:31

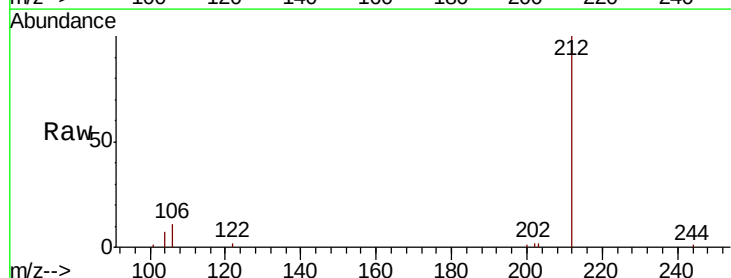
Tgt Ion:212 Resp: 27884

Ion Ratio Lower Upper

212 100

106 10.6 8.2 12.2

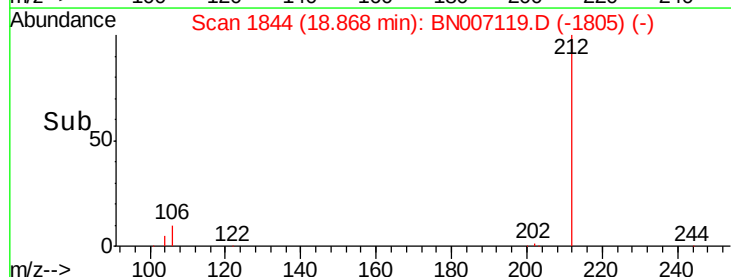
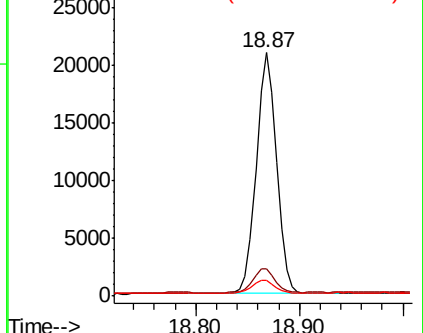
104 5.9 4.5 6.7

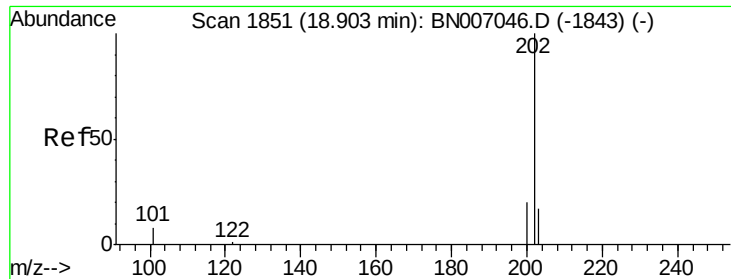


Abundance Ion 212.00 (211.70 to 212.70): E

Ion 106.00 (105.70 to 106.70): E

Ion 104.00 (103.70 to 104.70): E





#25

Fluoranthene

Concen: 0.274 ng

RT: 18.90 min Scan# 1850

Delta R.T. -0.01 min

Lab File: BN007119.D

Acq: 13 Aug 2019 07:31

Instrument :

BNA_N

ClientSampled :

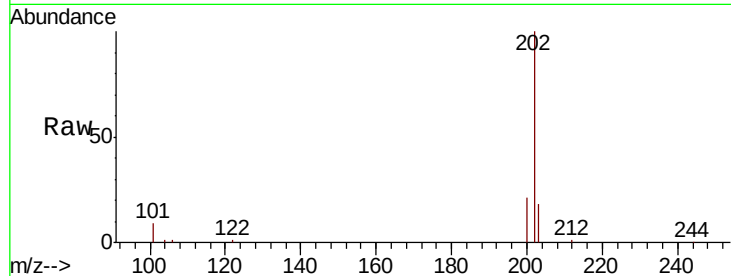
Tot Ion:202 Resp: 52008

Ion Ratio Lower Upper

202 100

101 9.1 7.0 10.4

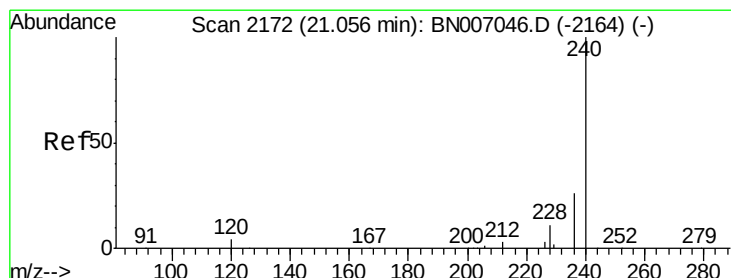
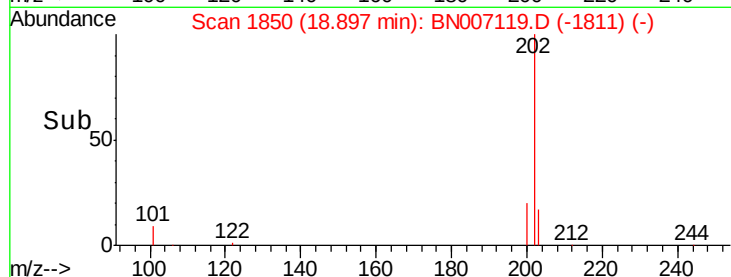
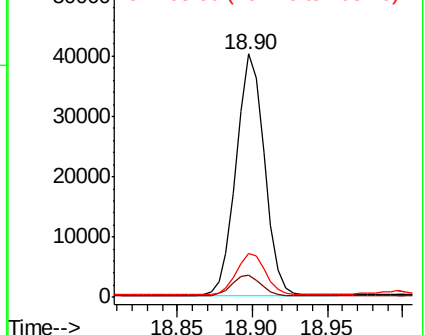
203 17.4 13.8 20.8



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: BN007119.D

Acq: 13 Aug 2019 07:31

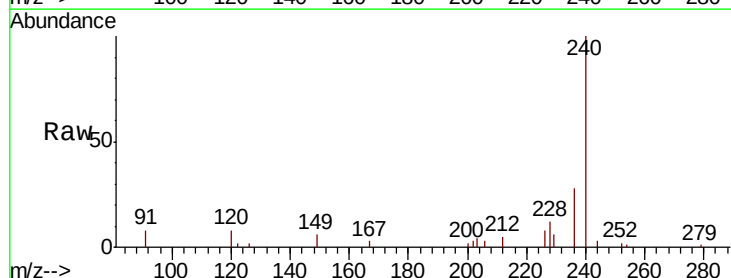
Tgt Ion:240 Resp: 48110

Ion Ratio Lower Upper

240 100

120 7.9 4.0 6.0#

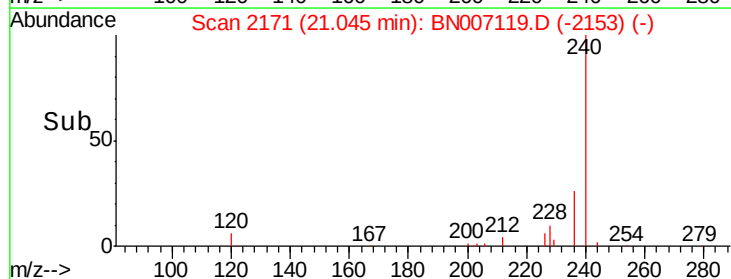
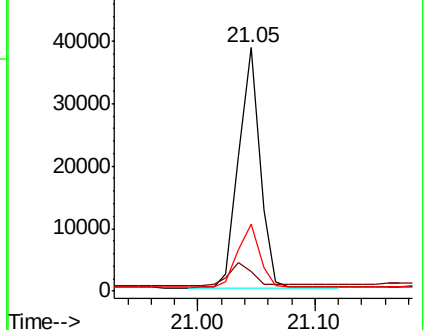
236 27.6 21.3 31.9

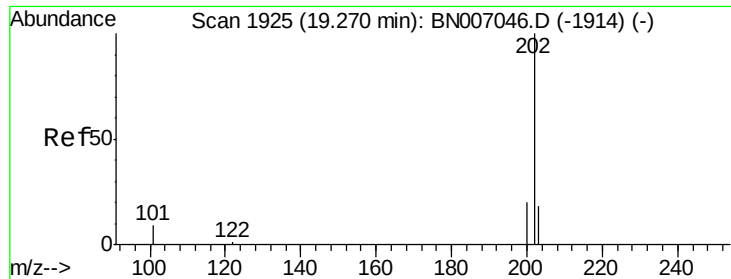


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

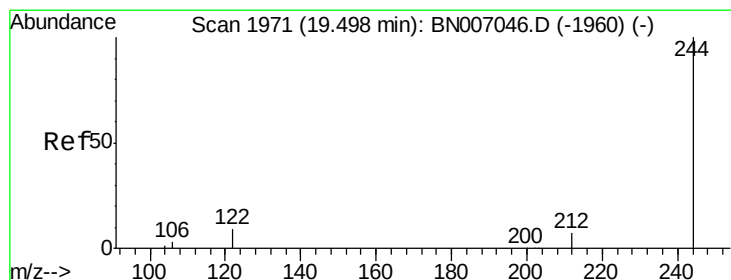
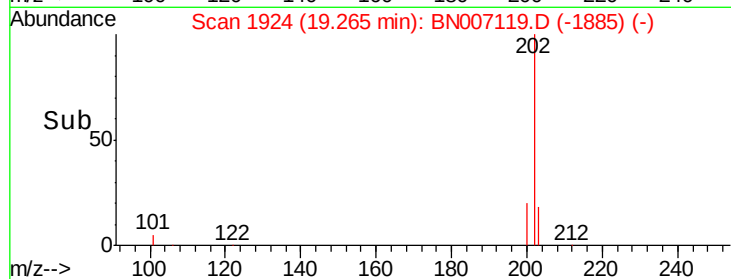
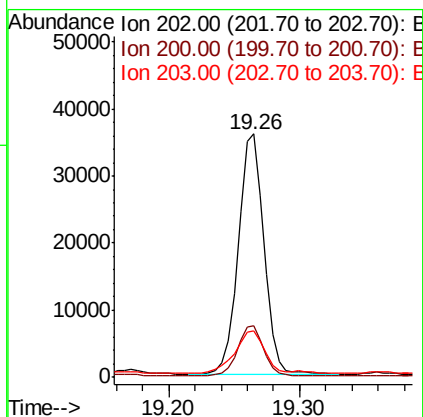
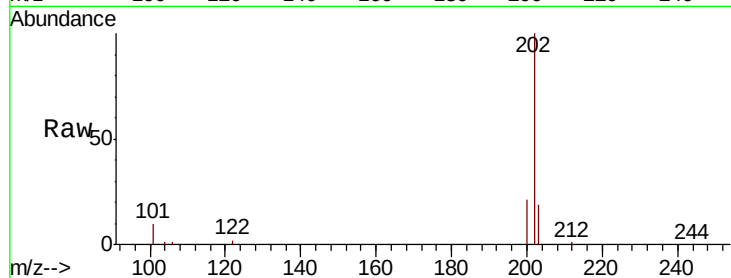




#27
Pvrene
Concen: 0.293 ng
RT: 19.26 min Scan# 1924
Delta R.T. -0.01 min
Lab File: BN007119.D
Acq: 13 Aug 2019 07:31

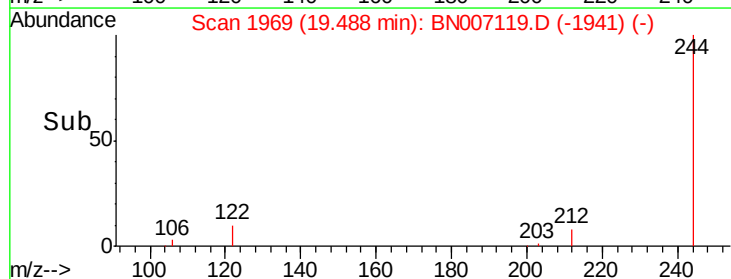
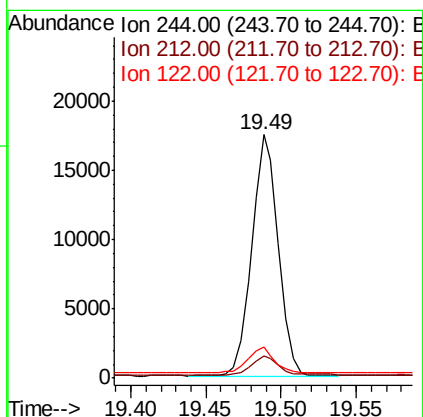
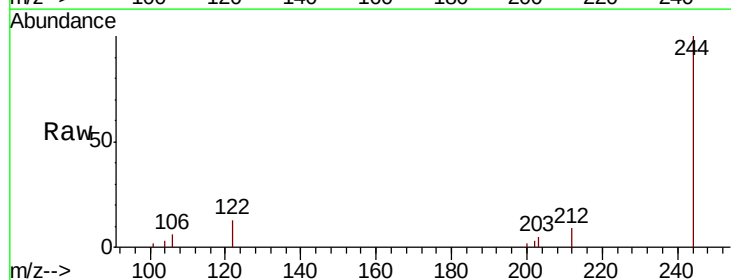
Instrument :
BNA_N
ClientSampled :

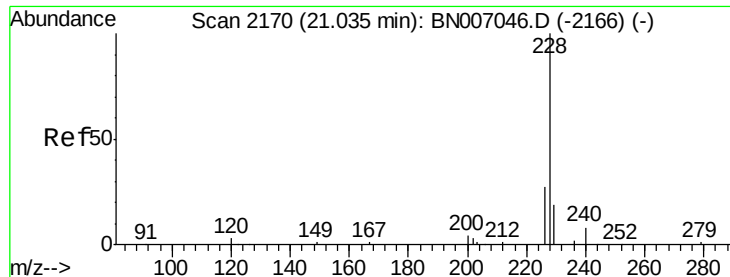
Tot Ion	Ratio	Lower	Upper
202	100		
200	20.9	16.6	24.8
203	21.4	14.0	21.0



#28
Terphenyl-d14
Concen: 0.162 ng
RT: 19.49 min Scan# 1969
Delta R.T. -0.01 min
Lab File: BN007119.D
Acq: 13 Aug 2019 07:31

Tgt Ion	Ratio	Lower	Upper
244	100		
212	9.1	6.2	9.2
122	12.6	7.4	11.2





#29

Benzo(a)anthracene

Concen: 0.171 ng

RT: 21.02 min Scan# 2169

Delta R.T. -0.01 min

Lab File: BN007119.D

Acq: 13 Aug 2019 07:31

Instrument :

BNA_N

ClientSampleId :

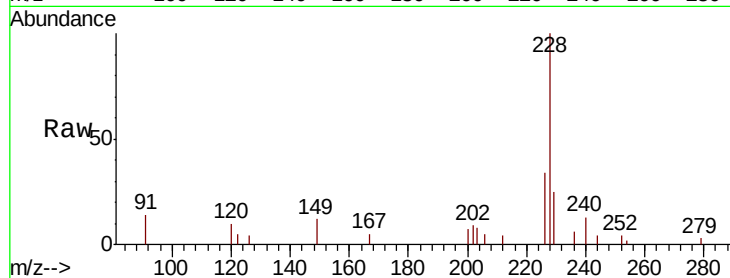
Tot Ion:228 Resp: 30099

Ion Ratio Lower Upper

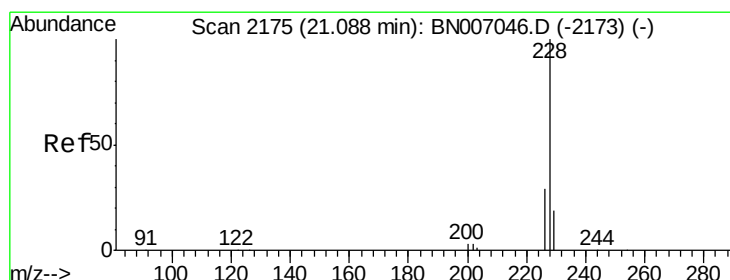
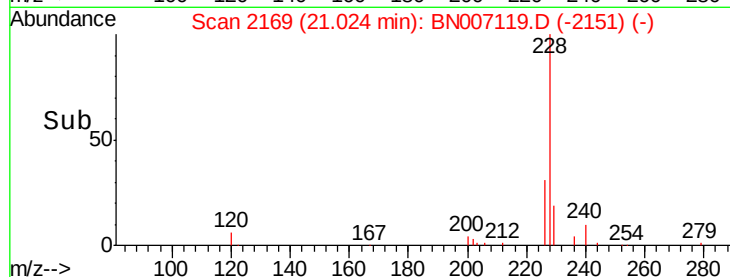
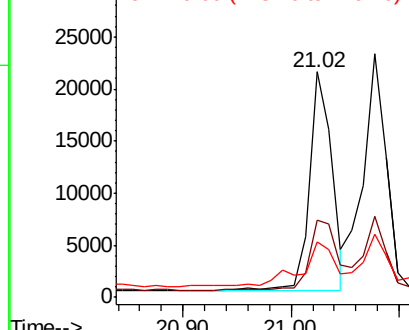
228 100

226 34.1 21.8 32.6#

229 24.5 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: 0.194 ng

RT: 21.08 min Scan# 2174

Delta R.T. -0.01 min

Lab File: BN007119.D

Acq: 13 Aug 2019 07:31

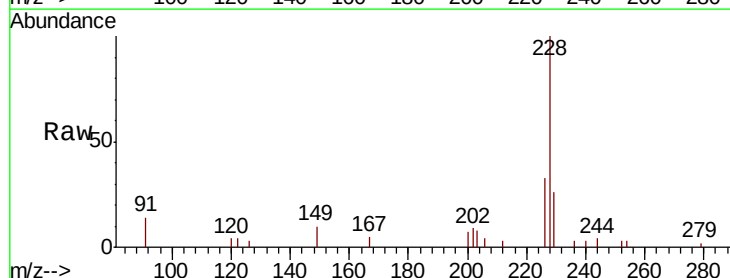
Tgt Ion:228 Resp: 33138

Ion Ratio Lower Upper

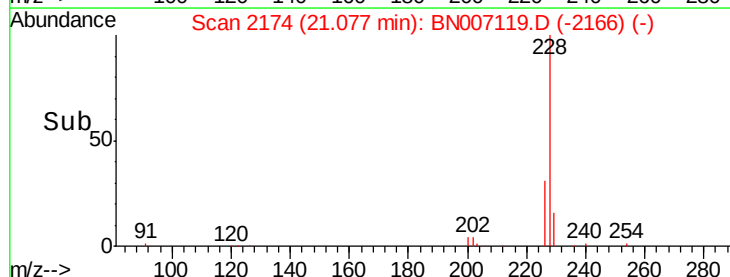
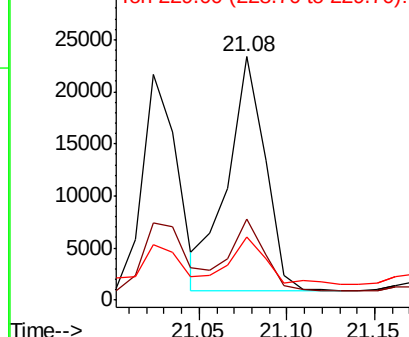
228 100

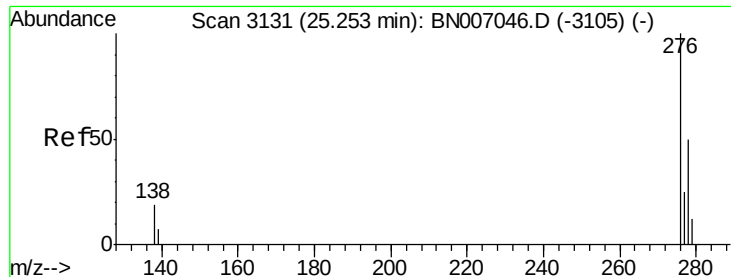
226 33.0 23.8 35.6

229 26.0 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

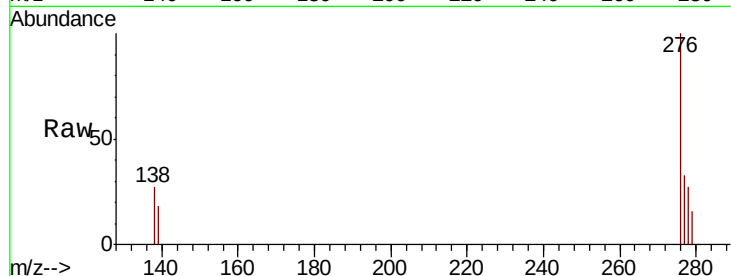




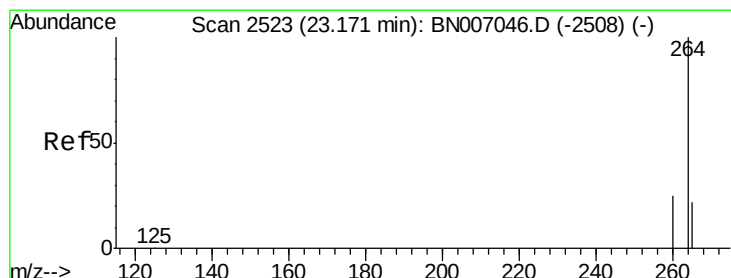
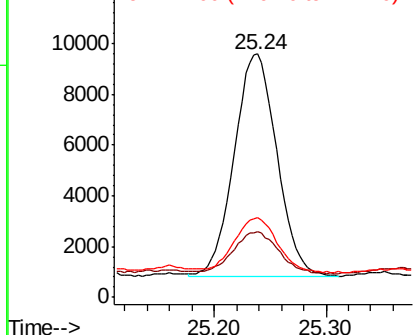
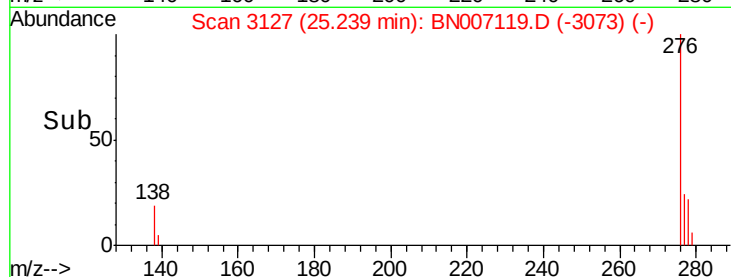
#31
 Indeno(1,2,3-cd)pyrene
 Concen: 0.123 ng
 RT: 25.24 min Scan# 3127
 Delta R.T. -0.01 min
 Lab File: BN007119.D
 Acq: 13 Aug 2019 07:31

Instrument :
 BNA_N
 ClientSampleId :

Tot Ion:276 Resp: 23080
 Ion Ratio Lower Upper
 276 100
 138 20.3 16.0 24.0
 277 25.1 19.9 29.9

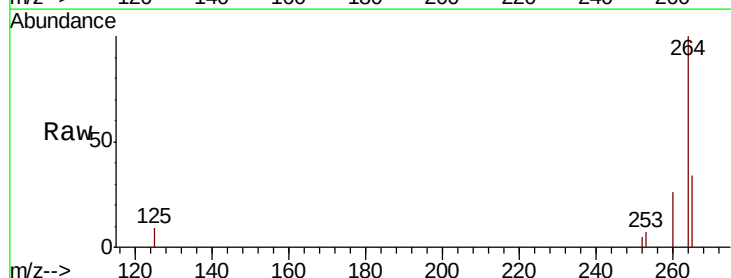


Abundance Ion 276.00 (275.70 to 276.70): E
 Ion 138.00 (137.70 to 138.70): E
 Ion 277.00 (276.70 to 277.70): E

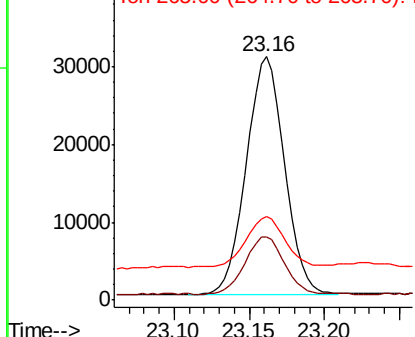
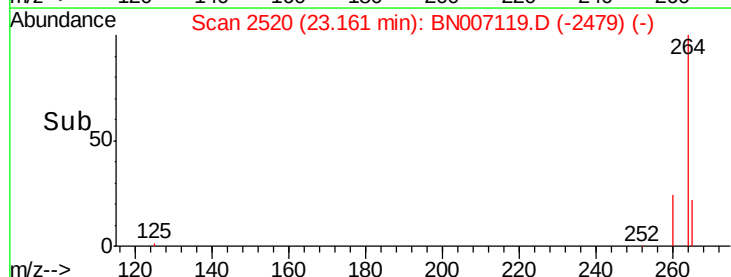


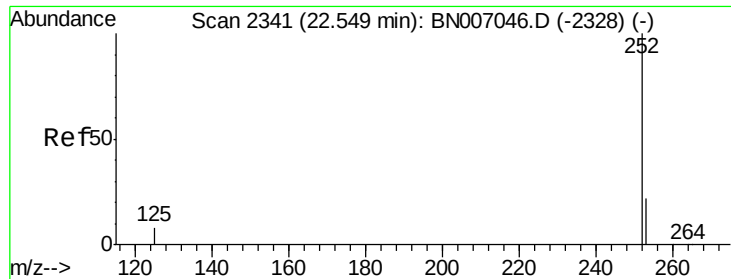
#32
 Perylene-d12
 Concen: 0.400 ng
 RT: 23.16 min Scan# 2520
 Delta R.T. -0.01 min
 Lab File: BN007119.D
 Acq: 13 Aug 2019 07:31

Tgt Ion:264 Resp: 53127
 Ion Ratio Lower Upper
 264 100
 260 26.2 19.8 29.8
 265 34.5 26.2 39.4



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





#33

Benzo(b)fluoranthene

Concen: 0.249 ng

RT: 22.54 min Scan# 2339

Delta R.T. -0.01 min

Lab File: BN007119.D

Acq: 13 Aug 2019 07:31

Instrument :

BNA_N

ClientSampleId :

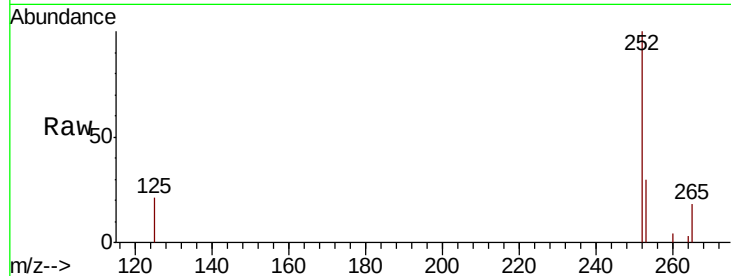
Tot Ion:252 Resp: 45346

Ion Ratio Lower Upper

252 100

253 30.4 18.2 27.2#

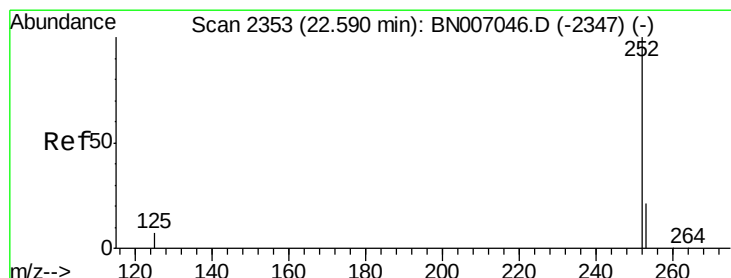
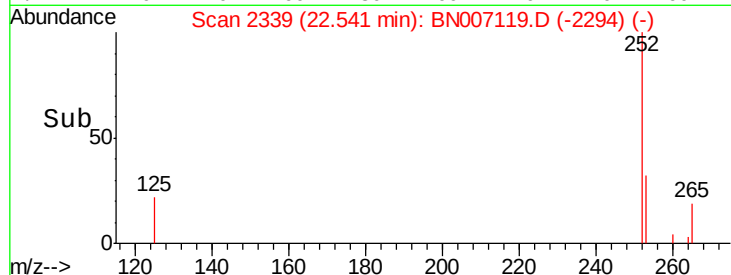
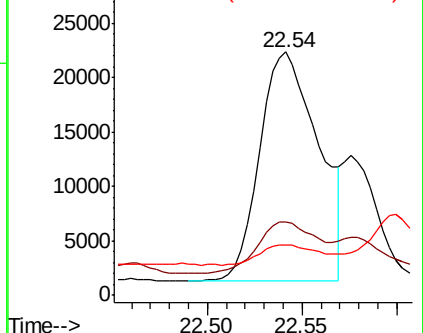
125 20.7 7.4 11.0#



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



#34

Benzo(k)fluoranthene

Concen: 0.080 ng m

RT: 22.58 min Scan# 2349

Delta R.T. -0.01 min

Lab File: BN007119.D

Acq: 13 Aug 2019 07:31

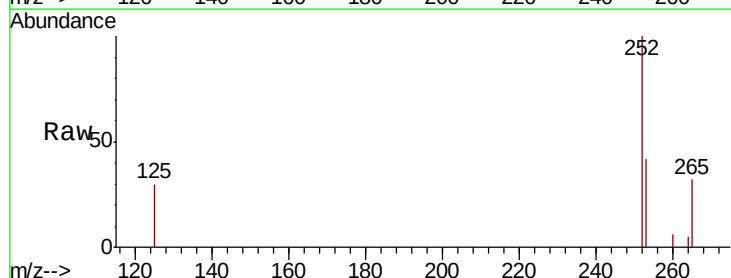
Tgt Ion:252 Resp: 14367

Ion Ratio Lower Upper

252 100

253 42.0 18.1 27.1#

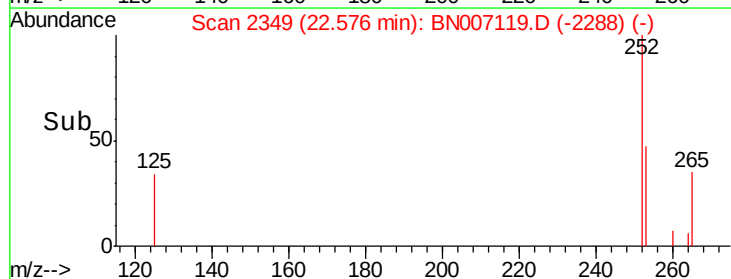
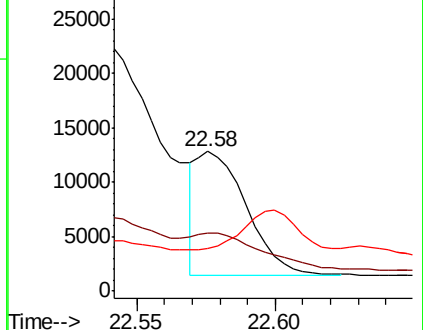
125 30.4 7.4 11.0#

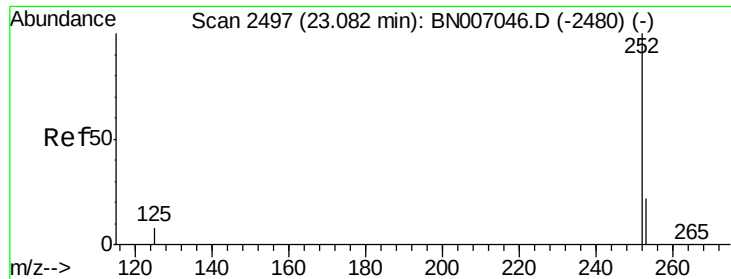


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#35

Benzo(a)pyrene

Concen: 0.183 ng

RT: 23.07 min Scan# 2493

Delta R.T. -0.01 min

Lab File: BN007119.D

Acq: 13 Aug 2019 07:31

Instrument :

BNA_N

ClientSampled :

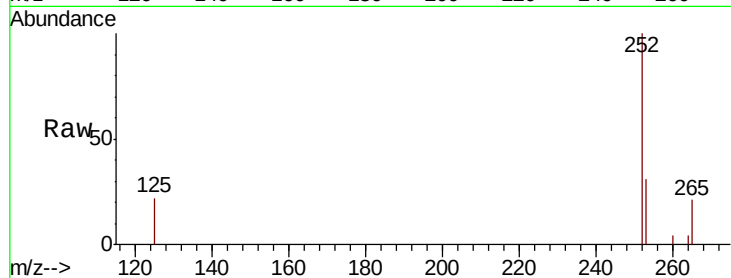
Tot Ion:252 Resp: 30259

Ion Ratio Lower Upper

252 100

253 31.0 18.5 27.7#

125 22.4 8.2 12.4#

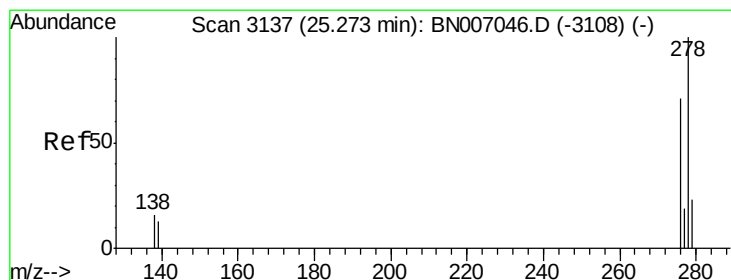
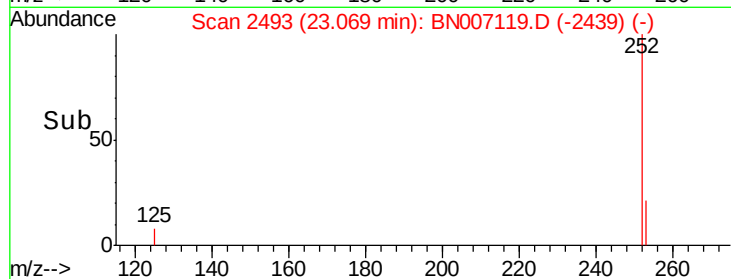
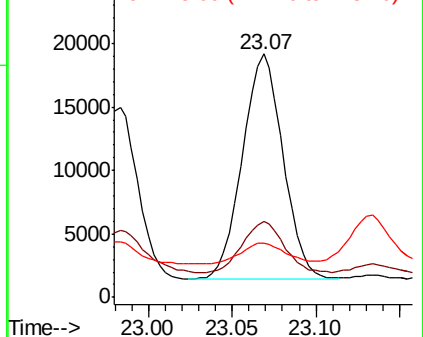


Abundance

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: 0.037 ng

RT: 25.25 min Scan# 3129

Delta R.T. -0.03 min

Lab File: BN007119.D

Acq: 13 Aug 2019 07:31

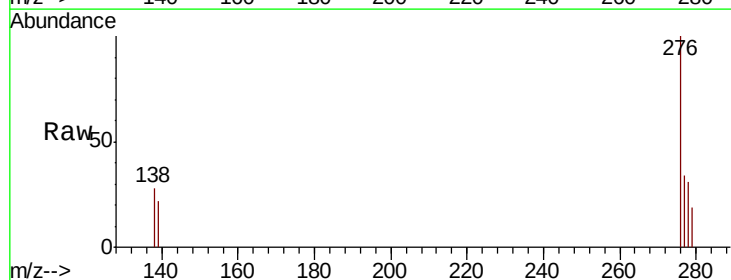
Tgt Ion:278 Resp: 6166

Ion Ratio Lower Upper

278 100

139 69.7 11.3 16.9#

279 59.7 19.3 28.9#

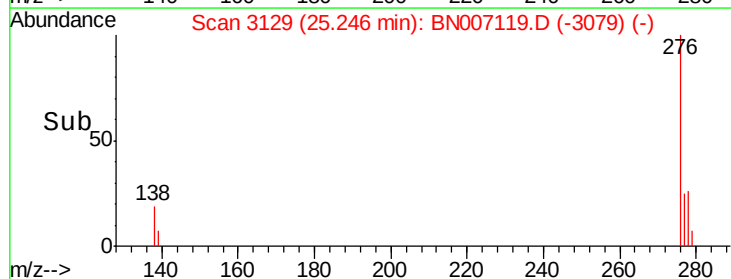
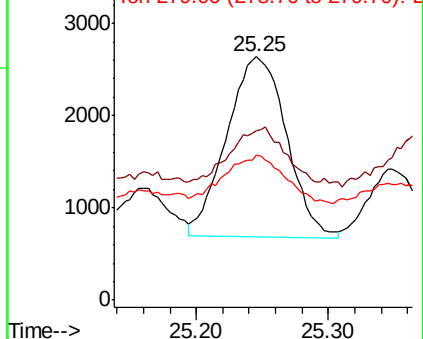


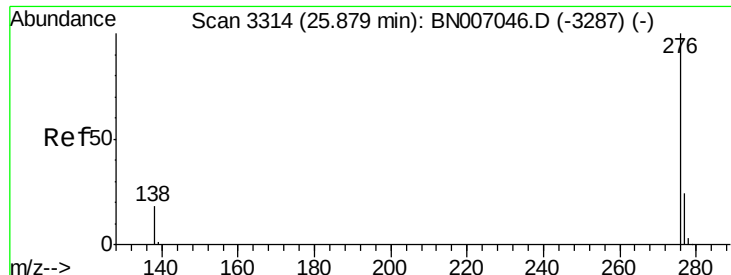
Abundance

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(a,h,i)perylene

Concen: 0.137 ng

RT: 25.87 min Scan# 3311

Delta R.T. -0.01 min

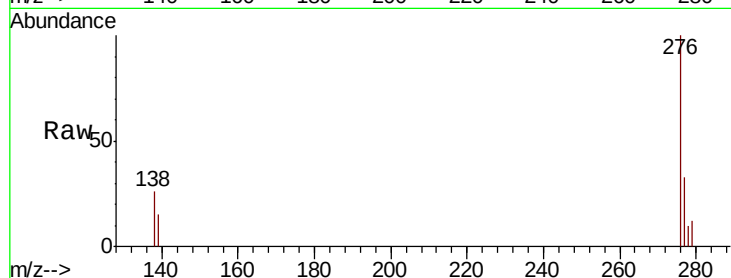
Lab File: BN007119.D

Acq: 13 Aug 2019 07:31

Instrument :

BNA_N

ClientSampleId :



Tot Ion:276 Resp: 23233

Ion Ratio Lower Upper

276 100

277 32.8 19.8 29.8#

138 26.0 14.6 22.0#

