

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN081019\
 Data File : BN007082.D
 Acq On : 11 Aug 2019 12:13
 Operator : HP/JU
 Sample : K4143-05
 Misc :
 ALS Vial : 29 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :

Quant Time: Aug 12 04:43:14 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	8994	0.40	ng	0.00
6) Naphthalene-d8	10.19	136	34673	0.40	ng	0.00
12) Acenaphthene-d10	14.08	164	19666	0.40	ng	0.00
18) Phenanthrene-d10	16.82	188	49045	0.40	ng	0.00
26) Chrysene-d12	21.05	240	49583	0.40	ng	-0.01
32) Perylene-d12	23.15	264	53288	0.40	ng	-0.02

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
3) 2-Fluorophenol	5.06	112	6665	0.31	ng	0.00
4) Phenol-d6	6.61	99	9184	0.34	ng	0.00
7) Nitrobenzene-d5	8.56	82	7061	0.25	ng	0.00
10) 2-Methylnaphthalene-d10	11.79	152	17108	0.26	ng	0.00
13) 2,4,6-Tribromophenol	15.57	330	1331	0.13	ng	0.00
14) 2-Fluorobiphenyl	12.71	172	5367	0.19	ng	0.00
24) Fluoranthene-d10	18.87	212	45323	0.26	ng	0.00
28) Terphenyl-d14	19.49	244	34310	0.25	ng	-0.01

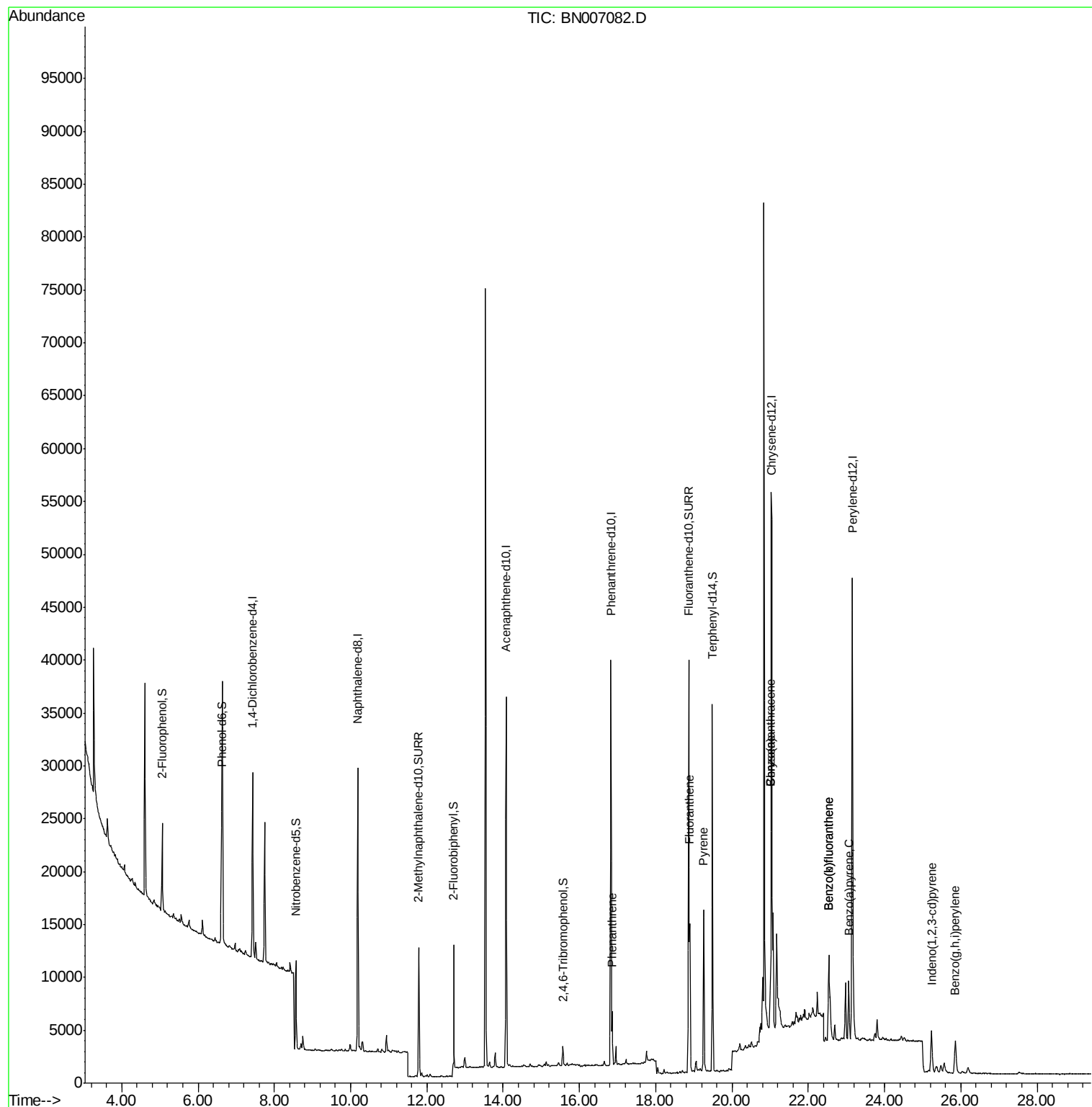
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
22) Phenanthrene	16.87	178	5183	0.035	ng	97
25) Fluoranthene	18.90	202	15604	0.083	ng	99
27) Pyrene	19.26	202	14384	0.083	ng	# 96
29) Benzo(a)anthracene	21.02	228	9049	0.050	ng	# 91
30) Chrysene	21.02	228	8470	0.048	ng	94
31) Indeno(1,2,3-cd)pyrene	25.23	276	6277	0.032	ng	98
33) Benzo(b)fluoranthene	22.54	252	13056	0.071	ng	# 86
34) Benzo(k)fluoranthene	22.54	252	13056	0.072	ng	# 86
35) Benzo(a)pyrene	23.07	252	7920	0.048	ng	# 81
37) Benzo(a,h,i)perylene	25.85	276	6540	0.038	ng	# 88

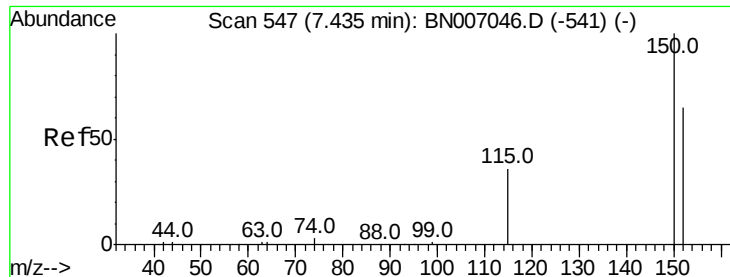
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN081019\
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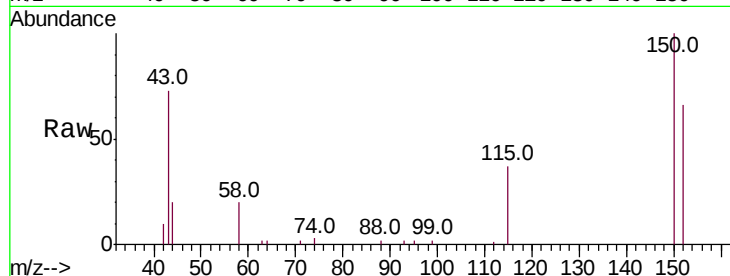


#1

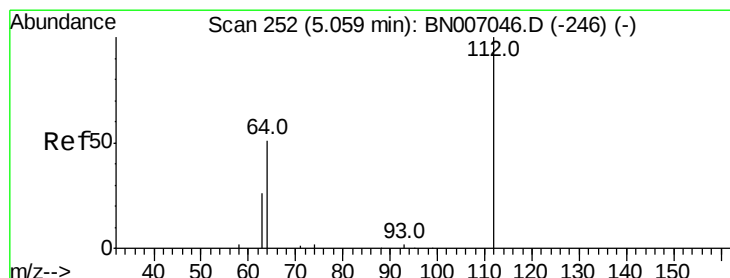
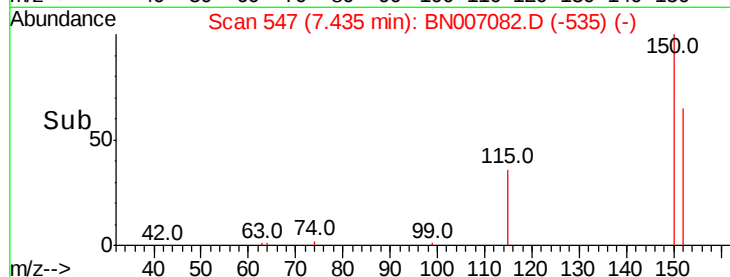
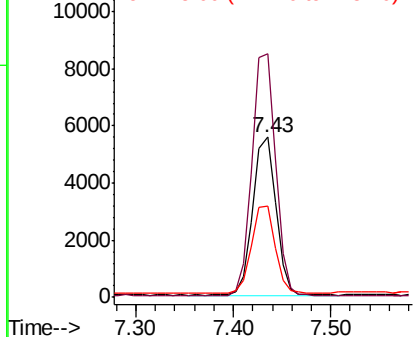
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.43 min Scan# 547
Delta R.T. -0.00 min
Lab File: BN007082.D
Acq: 11 Aug 2019 12:13

Instrument :
BNA_N
ClientSampled :

Tot Ion:152 Resp: 8994
Ion Ratio Lower Upper
152 100
150 151.9 121.7 182.5
115 56.6 46.2 69.4



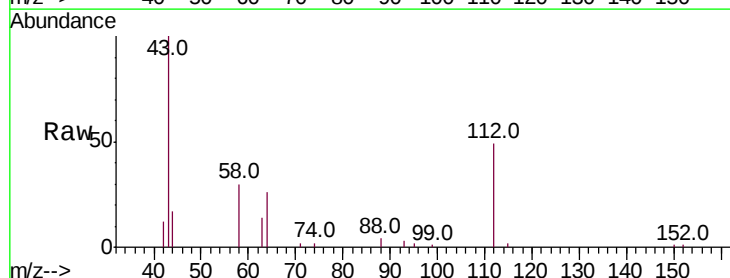
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



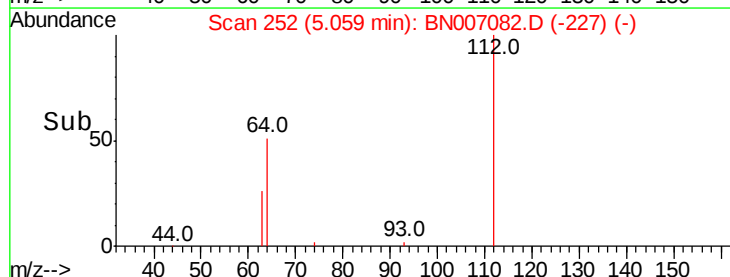
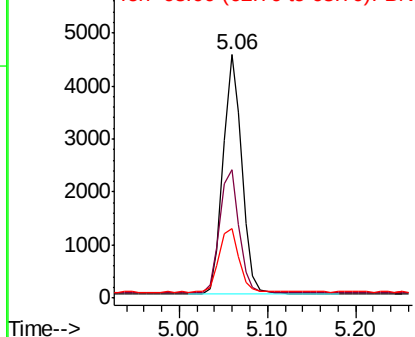
#3

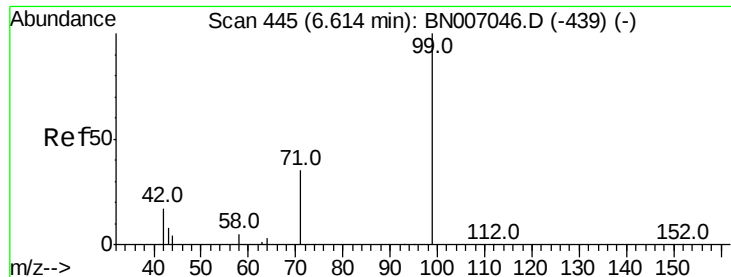
2-Fluorophenol
Concen: 0.308 ng
RT: 5.06 min Scan# 252
Delta R.T. -0.00 min
Lab File: BN007082.D
Acq: 11 Aug 2019 12:13

Tgt Ion:112 Resp: 6665
Ion Ratio Lower Upper
112 100
64 52.9 42.6 63.8
63 27.8 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: 0.343 ng

RT: 6.61 min Scan# 445

Delta R.T. -0.00 min

Lab File: BN007082.D

Acq: 11 Aug 2019 12:13

Instrument :

BNA_N

ClientSampleId :

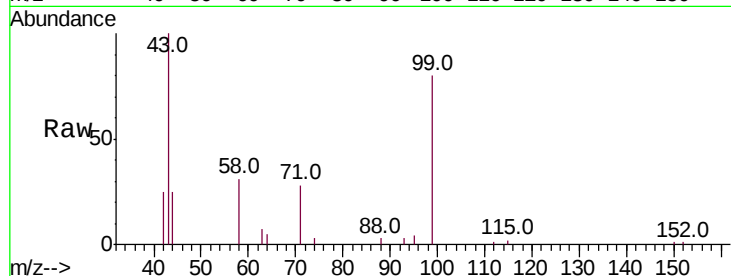
Tot Ion: 99 Resp: 9184

Ion Ratio Lower Upper

99 100

42 34.1 15.8 23.6#

71 33.6 27.0 40.4



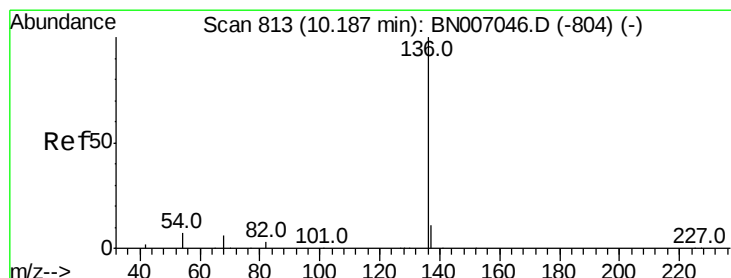
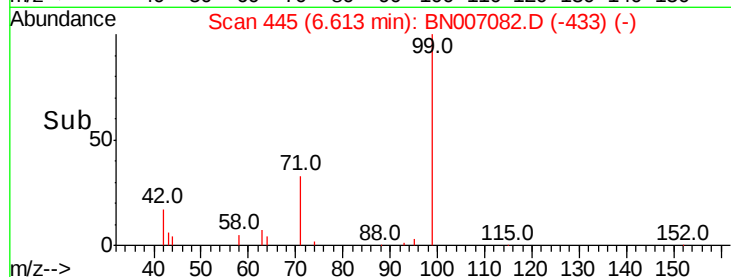
Abundance Ion 99.00 (98.70 to 99.70): BN007046.D (-439) (-)

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

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

6.61

Time-->



#6

Naphthalene-d8

Concen: 0.400 ng

RT: 10.19 min Scan# 813

Delta R.T. -0.00 min

Lab File: BN007082.D

Acq: 11 Aug 2019 12:13

Tgt Ion: 136 Resp: 34673

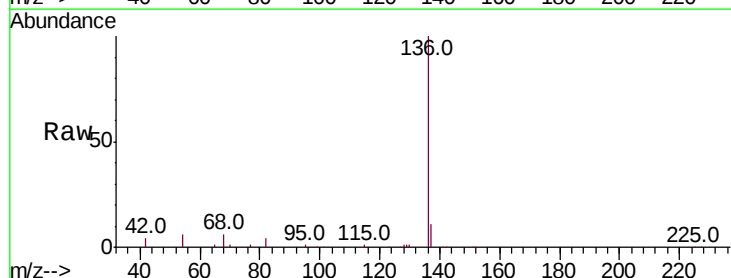
Ion Ratio Lower Upper

136 100

137 11.2 9.4 14.0

54 6.5 6.6 9.8#

68 5.8 6.0 9.0#



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

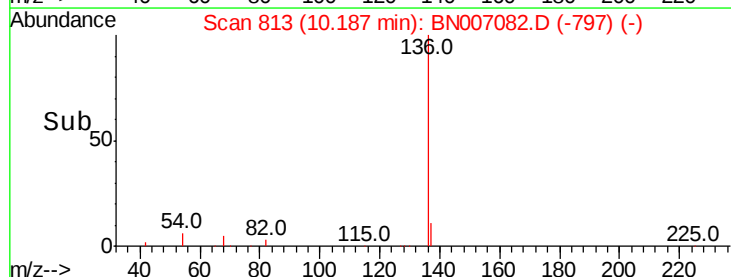
Ion 137.00 (136.70 to 137.70): BN007046.D (-804) (-)

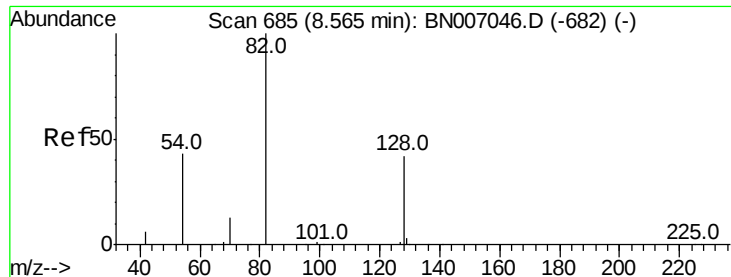
Ion 54.00 (53.70 to 54.70): BN007046.D (-804) (-)

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

10.19

Time-->





#7

Nitrobenzene-d5

Concen: 0.253 ng

RT: 8.56 min Scan# 685

Delta R.T. -0.00 min

Lab File: BN007082.D

Acq: 11 Aug 2019 12:13

Instrument :

BNA_N

ClientSampleId :

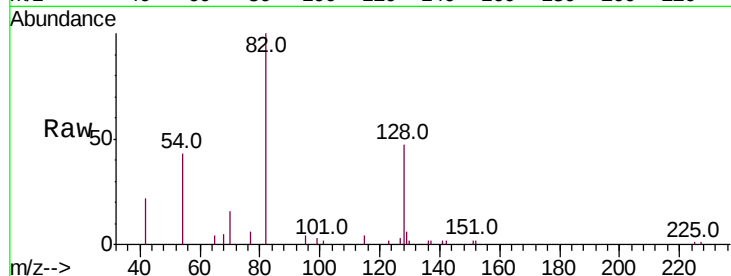
Tot Ion: 82 Resp: 7061

Ion Ratio Lower Upper

82 100

128 46.9 34.6 51.8

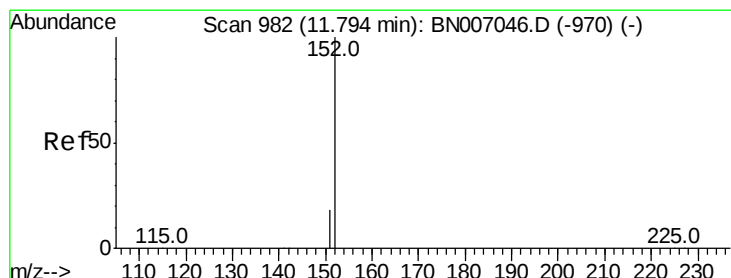
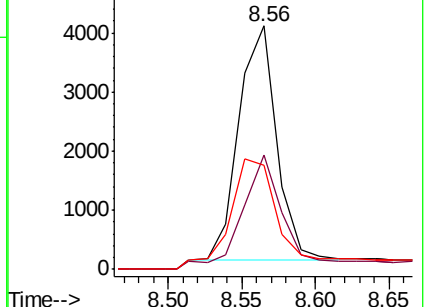
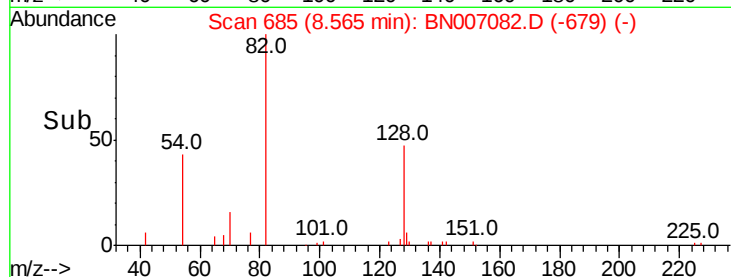
54 42.9 36.2 54.4



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: 0.265 ng

RT: 11.79 min Scan# 981

Delta R.T. -0.00 min

Lab File: BN007082.D

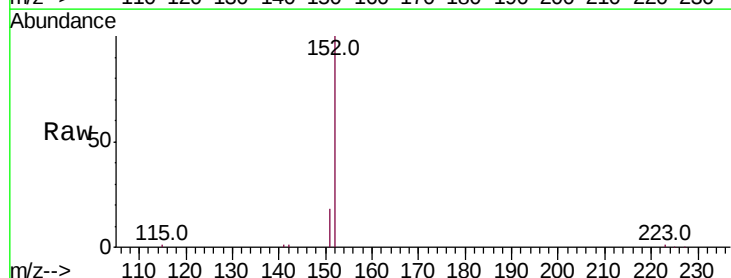
Acq: 11 Aug 2019 12:13

Tgt Ion: 152 Resp: 17108

Ion Ratio Lower Upper

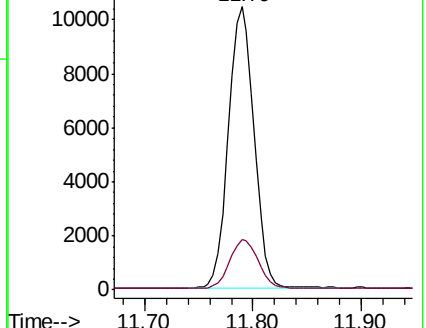
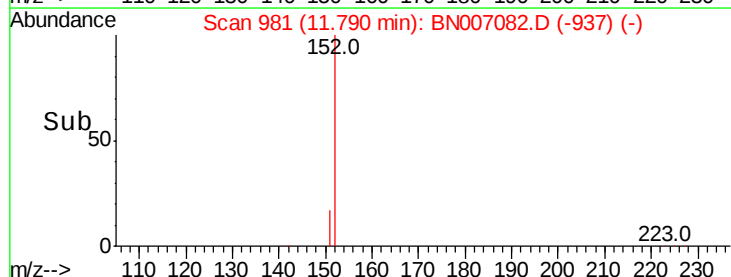
152 100

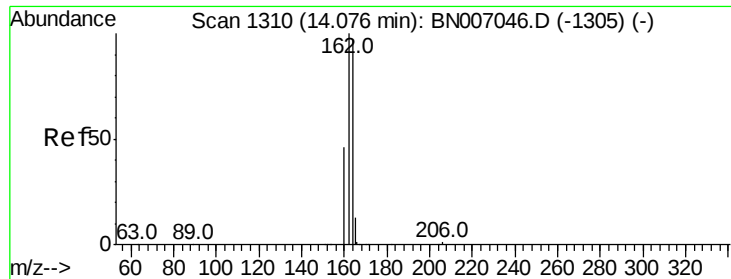
151 19.2 15.5 23.3



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

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

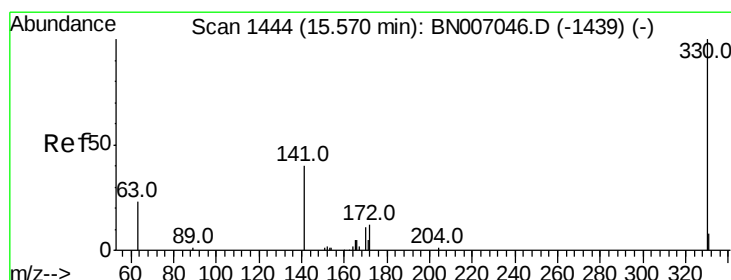
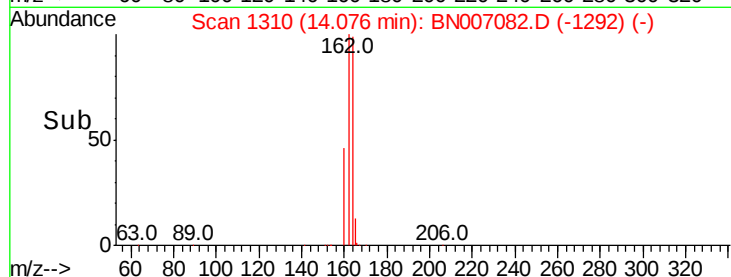
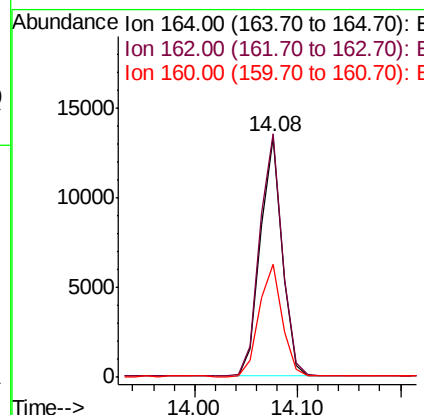
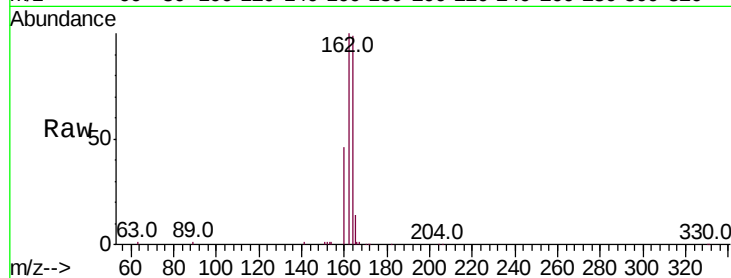




#12
 Acenaphthene-d10
 Concen: 0.400 ng
 RT: 14.08 min Scan# 1310
 Delta R.T. -0.00 min
 Lab File: BN007082.D
 Acq: 11 Aug 2019 12:13

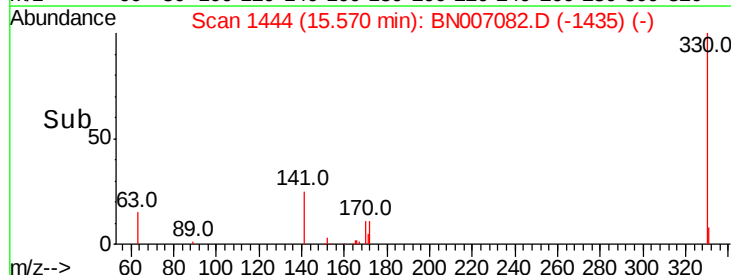
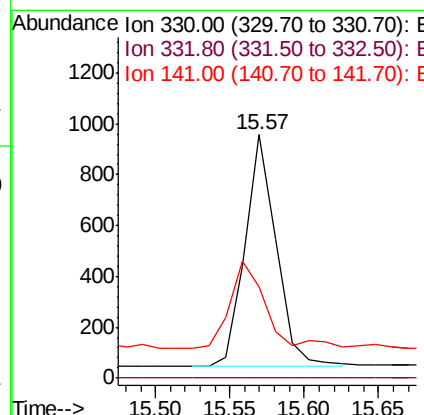
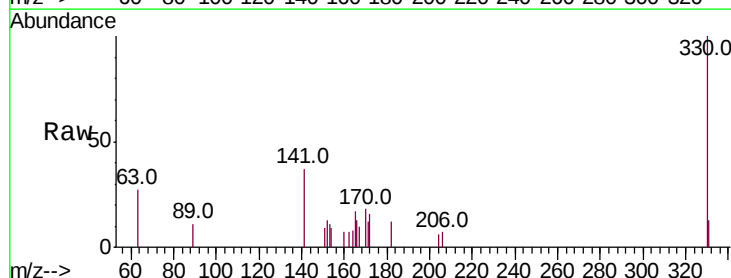
Instrument :
 BNA_N
 ClientSampleId :

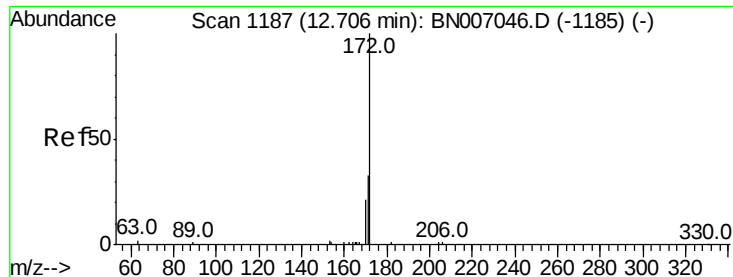
Tot Ion:164 Resp: 19666
 Ion Ratio Lower Upper
 164 100
 162 101.4 82.2 123.4
 160 46.9 38.3 57.5



#13
 2,4,6-Tribromophenol
 Concen: 0.126 ng
 RT: 15.57 min Scan# 1444
 Delta R.T. -0.00 min
 Lab File: BN007082.D
 Acq: 11 Aug 2019 12:13

Tgt Ion:330 Resp: 1331
 Ion Ratio Lower Upper
 330 100
 332 0.0 0.0 0.0
 141 43.5 33.6 50.4

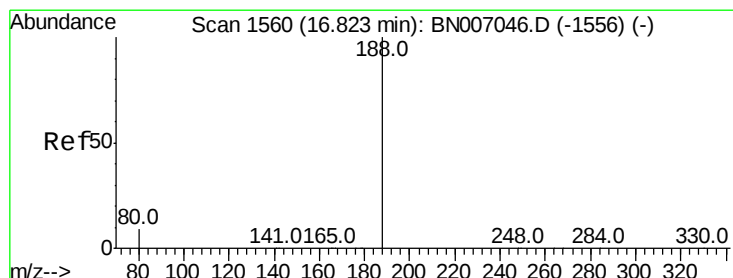
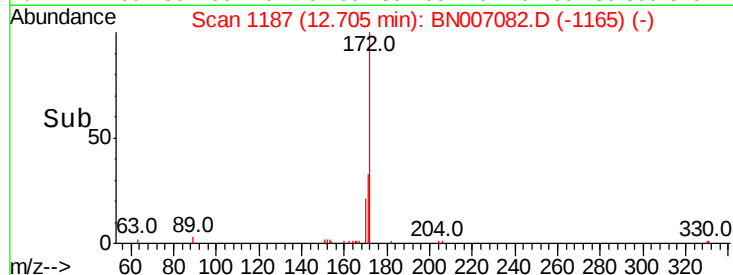
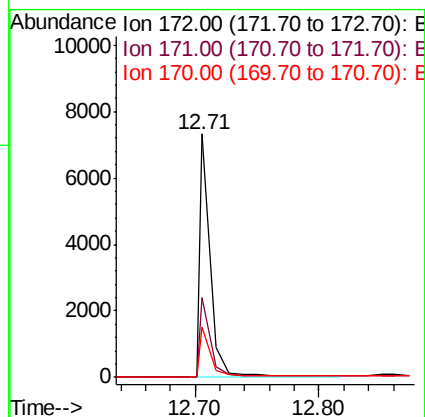
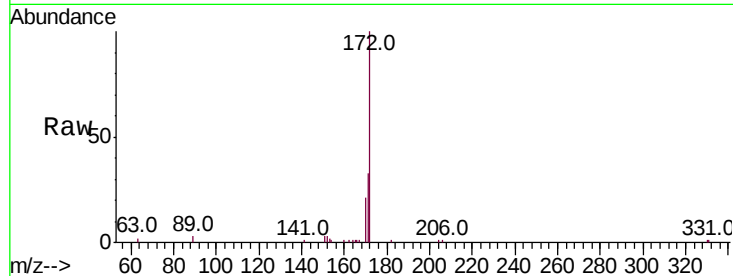




#14
 2-Fluorobiphenyl
 Concen: 0.188 ng
 RT: 12.71 min Scan# 1187
 Delta R.T. -0.00 min
 Lab File: BN007082.D
 Acq: 11 Aug 2019 12:13

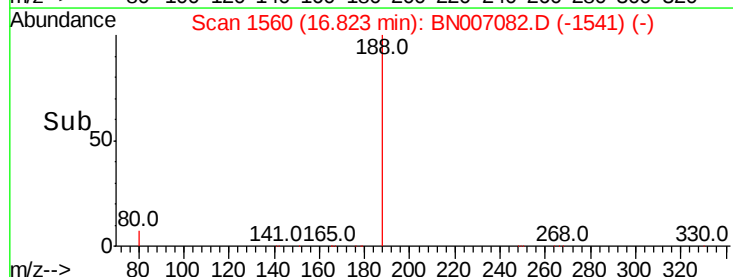
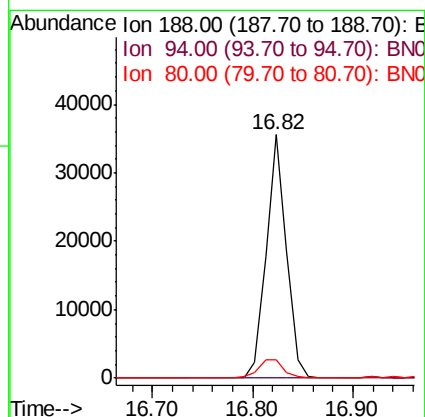
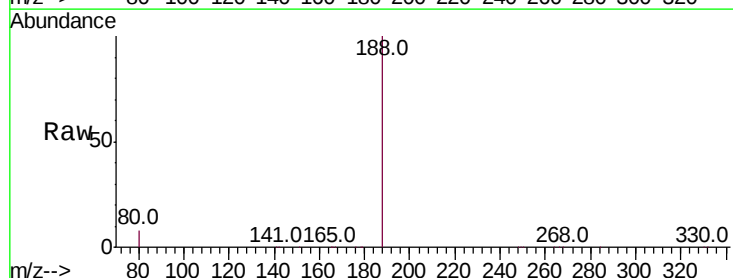
Instrument :
 BNA_N
 ClientSampleId :

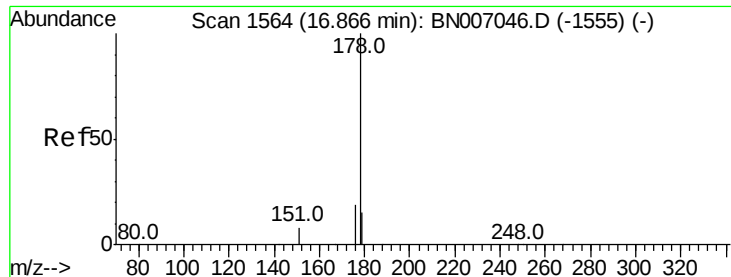
Tot Ion:172 Resp: 5367
 Ion Ratio Lower Upper
 172 100
 171 32.7 26.3 39.5
 170 20.7 17.0 25.4



#18
 Phenanthrene-d10
 Concen: 0.400 ng
 RT: 16.82 min Scan# 1560
 Delta R.T. -0.00 min
 Lab File: BN007082.D
 Acq: 11 Aug 2019 12:13

Tgt Ion:188 Resp: 49045
 Ion Ratio Lower Upper
 188 100
 94 0.0 0.0 0.0
 80 7.8 7.8 11.6





#22

Phenanthrene

Concen: 0.035 ng

RT: 16.87 min Scan# 1564

Delta R.T. -0.00 min

Lab File: BN007082.D

Acq: 11 Aug 2019 12:13

Instrument :

BNA_N

ClientSampled :

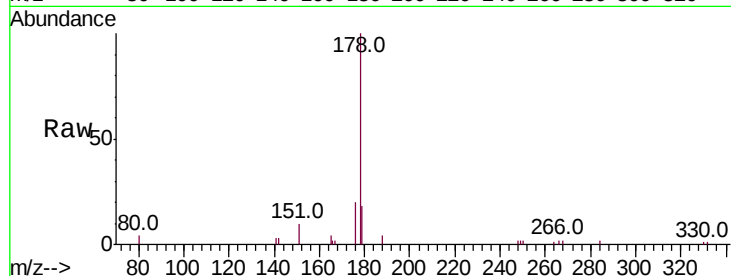
Tot Ion:178 Resp: 5183

Ion Ratio Lower Upper

178 100

176 19.3 15.2 22.8

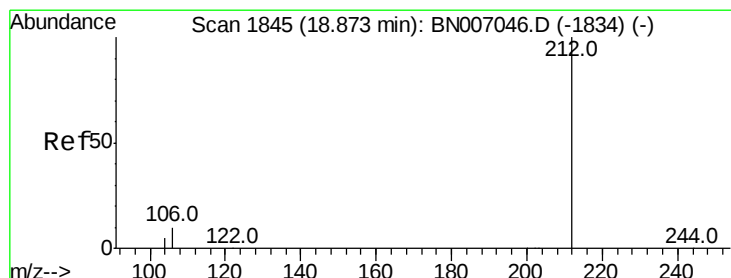
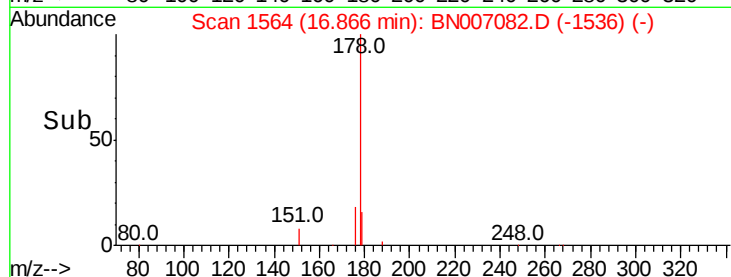
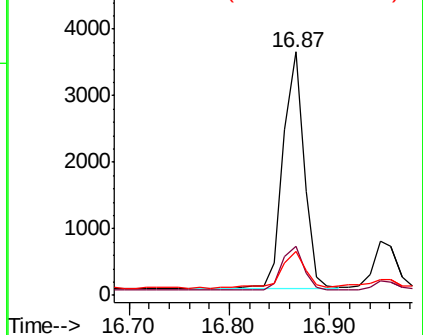
179 17.8 12.3 18.5



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



#24

Fluoranthene-d10

Concen: 0.261 ng

RT: 18.87 min Scan# 1844

Delta R.T. -0.01 min

Lab File: BN007082.D

Acq: 11 Aug 2019 12:13

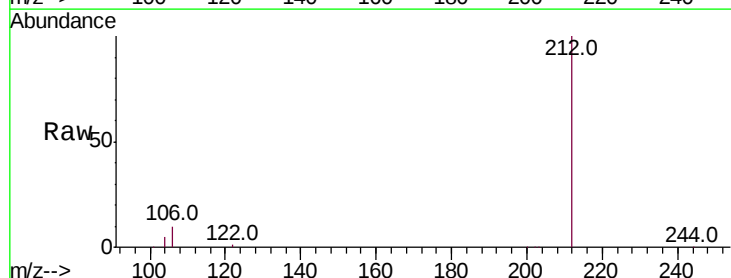
Tgt Ion:212 Resp: 45323

Ion Ratio Lower Upper

212 100

106 10.1 8.2 12.2

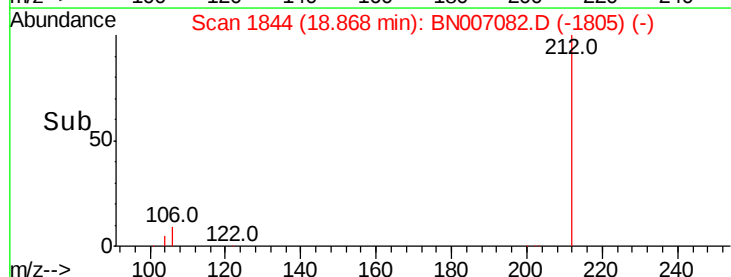
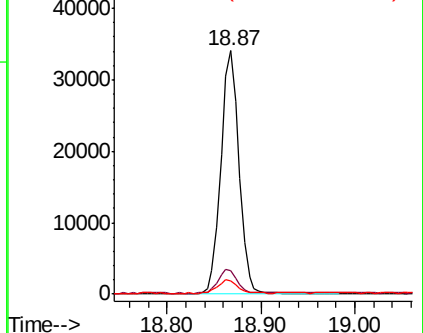
104 5.6 4.5 6.7

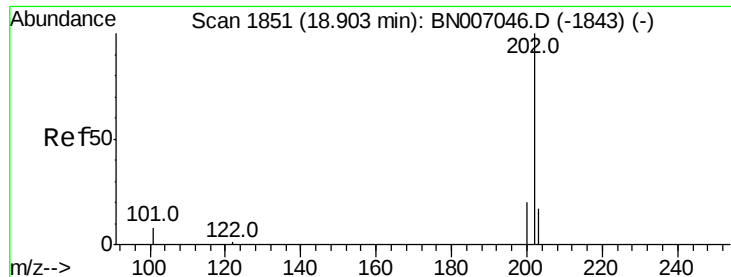


Abundance Ion 212.00 (211.70 to 212.70): E

Ion 106.00 (105.70 to 106.70): E

Ion 104.00 (103.70 to 104.70): E

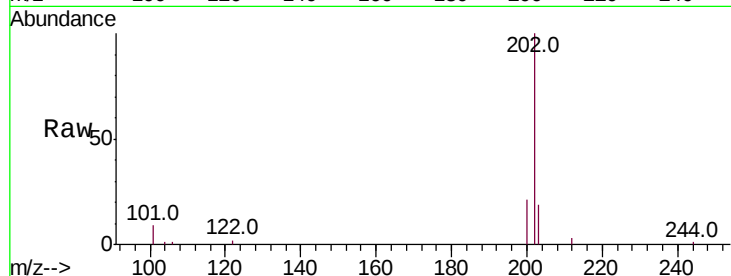




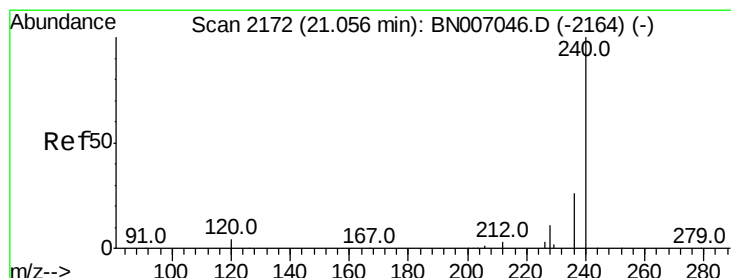
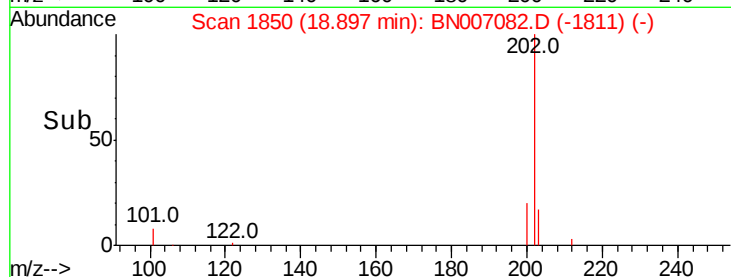
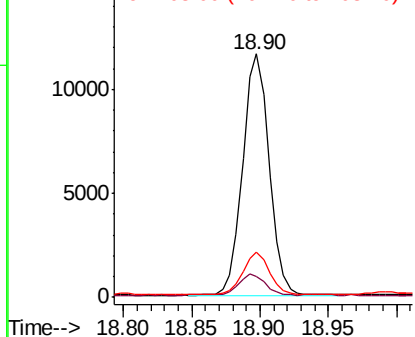
#25
 Fluoranthene
 Concen: 0.083 ng
 RT: 18.90 min Scan# 1850
 Delta R.T. -0.01 min
 Lab File: BN007082.D
 Acq: 11 Aug 2019 12:13

Instrument :
 BNA_N
 ClientSampleId :

Tot Ion:202 Resp: 15604
 Ion Ratio Lower Upper
 202 100
 101 9.3 7.0 10.4
 203 17.2 13.8 20.8

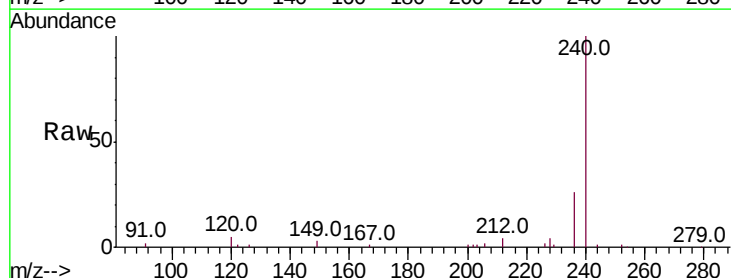


Abundance Ion 202.00 (201.70 to 202.70): E
 Ion 101.00 (100.70 to 101.70): E
 Ion 203.00 (202.70 to 203.70): E

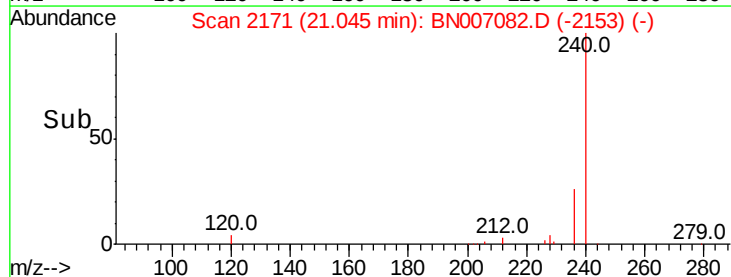
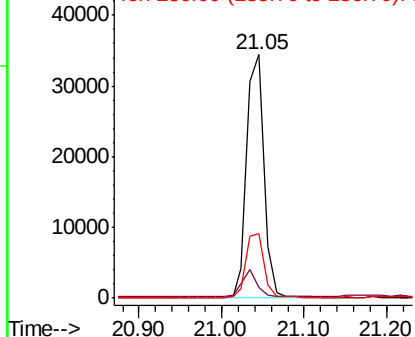


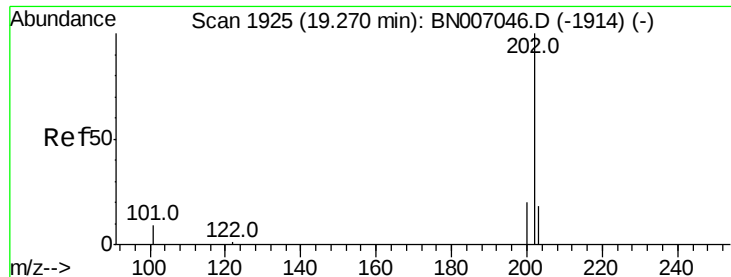
#26
 Chrysene-d12
 Concen: 0.400 ng
 RT: 21.05 min Scan# 2171
 Delta R.T. -0.01 min
 Lab File: BN007082.D
 Acq: 11 Aug 2019 12:13

Tgt Ion:240 Resp: 49583
 Ion Ratio Lower Upper
 240 100
 120 4.5 4.0 6.0
 236 26.2 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

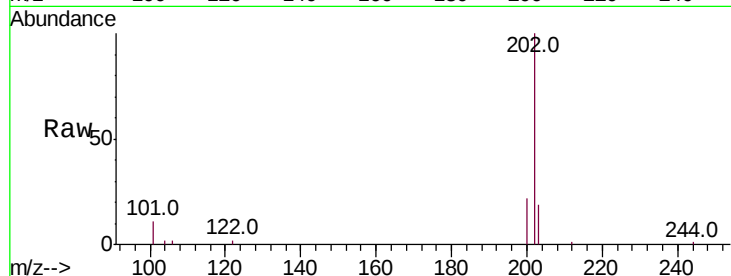




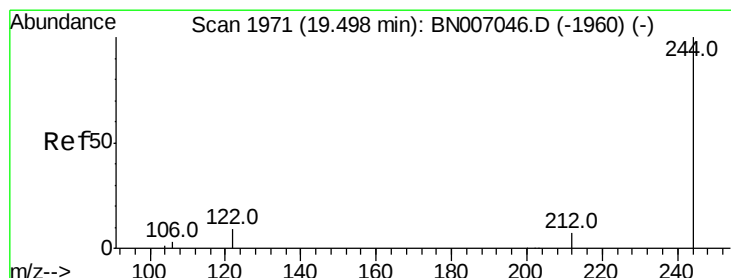
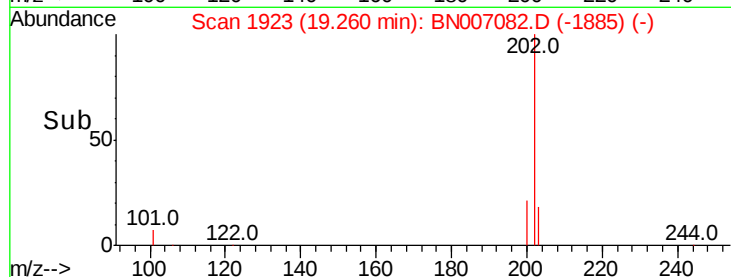
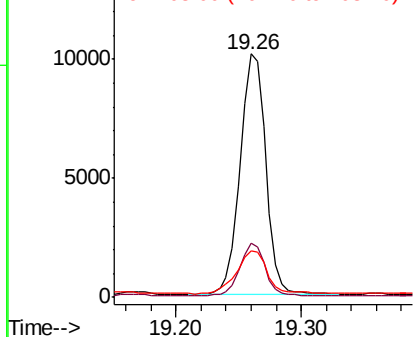
#27
Pvrene
Concen: 0.083 ng
RT: 19.26 min Scan# 1923
Delta R.T. -0.01 min
Lab File: BN007082.D
Acq: 11 Aug 2019 12:13

Instrument :
BNA_N
ClientSampleId :

Tot Ion:202 Resp: 14384
Ion Ratio Lower Upper
202 100
200 21.0 16.6 24.8
203 21.2 14.0 21.0#

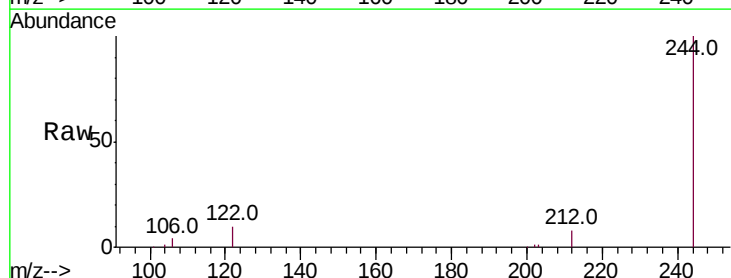


Abundance Ion 202.00 (201.70 to 202.70): E
Ion 200.00 (199.70 to 200.70): E
Ion 203.00 (202.70 to 203.70): E

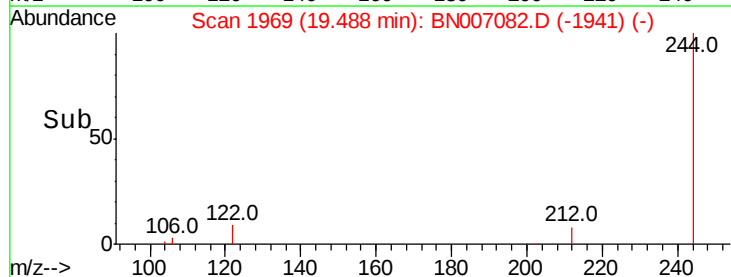
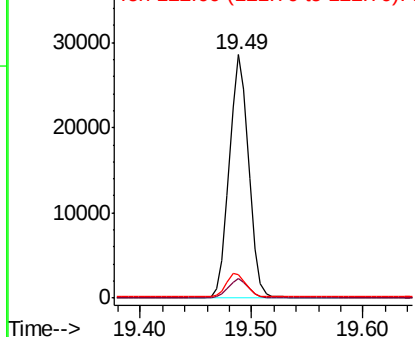


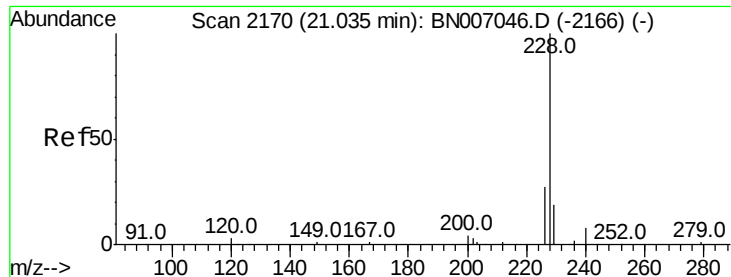
#28
Terphenyl-d14
Concen: 0.254 ng
RT: 19.49 min Scan# 1969
Delta R.T. -0.01 min
Lab File: BN007082.D
Acq: 11 Aug 2019 12:13

Tgt Ion:244 Resp: 34310
Ion Ratio Lower Upper
244 100
212 8.0 6.2 9.2
122 9.8 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: 0.050 ng

RT: 21.02 min Scan# 2169

Delta R.T. -0.01 min

Lab File: BN007082.D

Acq: 11 Aug 2019 12:13

Instrument :

BNA_N

ClientSampleId :

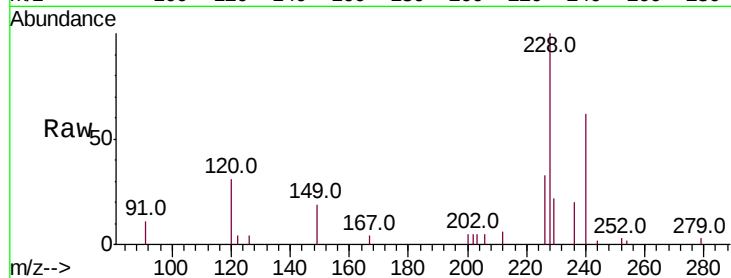
Tot Ion:228 Resp: 9049

Ion Ratio Lower Upper

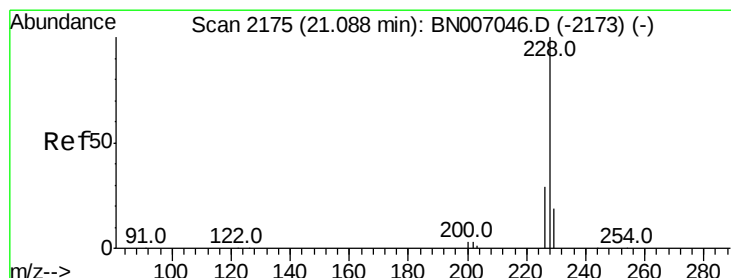
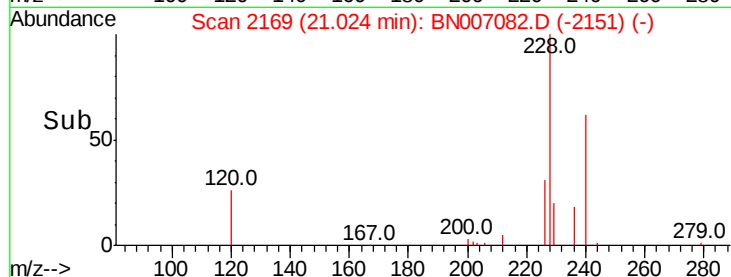
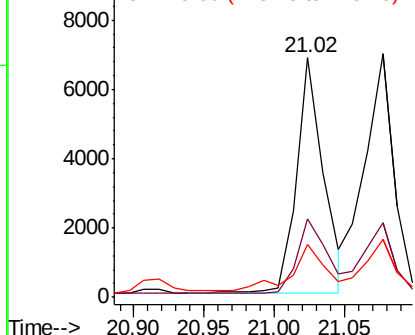
228 100

226 32.8 21.8 32.6#

229 22.4 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: 0.048 ng

RT: 21.02 min Scan# 2169

Delta R.T. -0.06 min

Lab File: BN007082.D

Acq: 11 Aug 2019 12:13

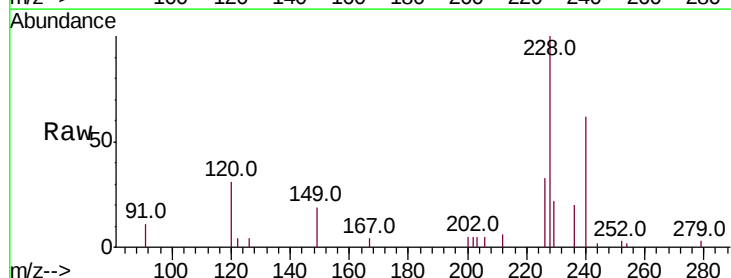
Tgt Ion:228 Resp: 8470

Ion Ratio Lower Upper

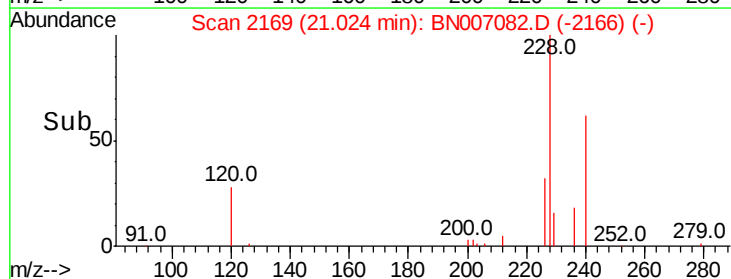
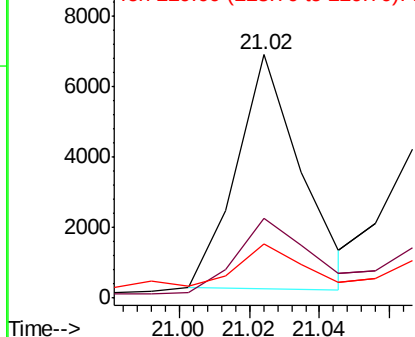
228 100

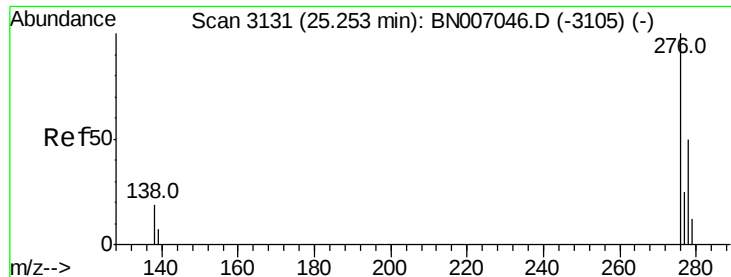
226 32.8 23.8 35.6

229 22.4 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



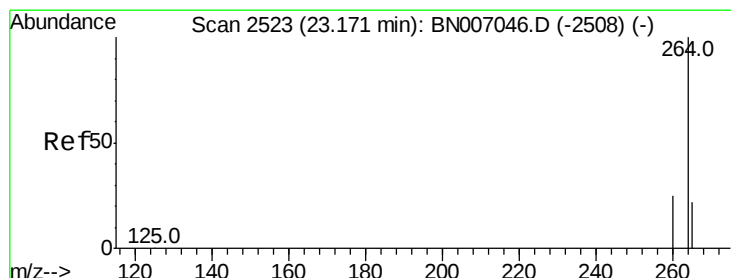
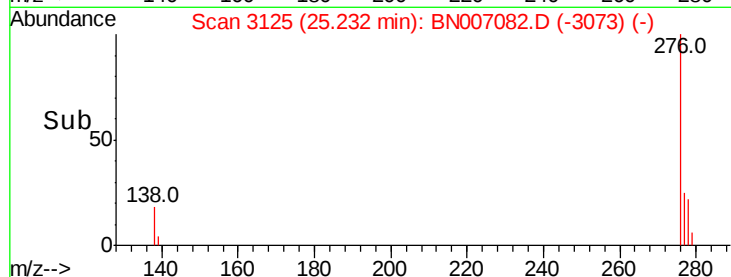
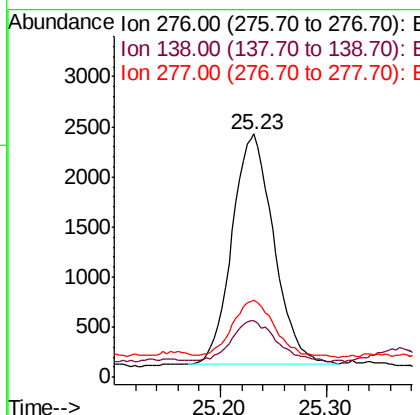
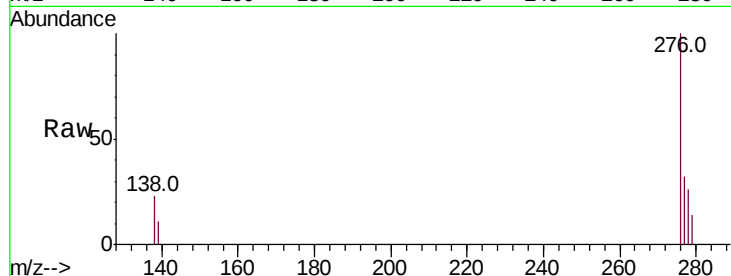


#31
Indeno(1,2,3-cd)pyrene
Concen: 0.032 ng
RT: 25.23 min Scan# 3125
Delta R.T. -0.02 min
Lab File: BN007082.D
Acq: 11 Aug 2019 12:13

Instrument :
BNA_N
ClientSampleId :

Tot Ion:276 Resp: 6277

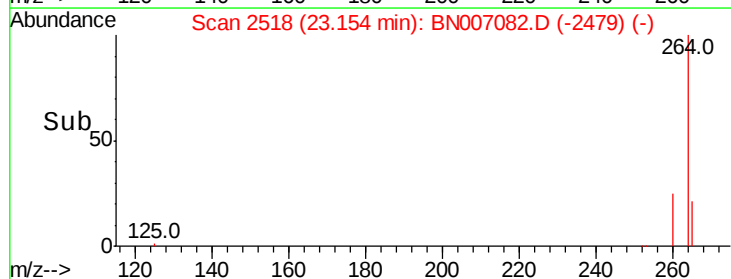
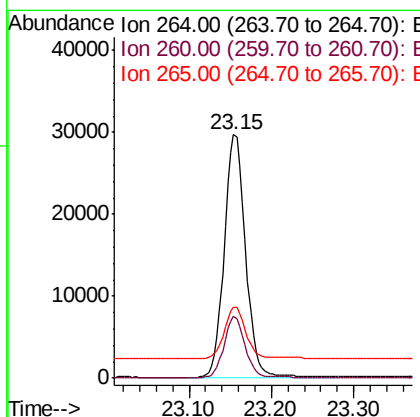
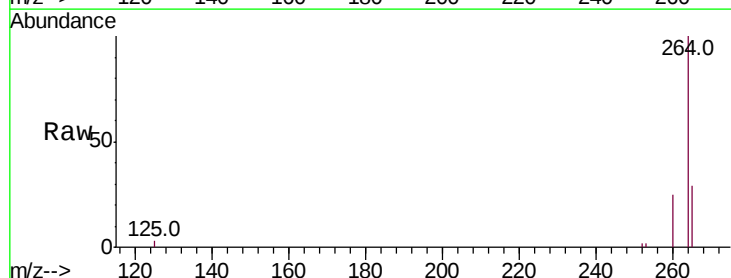
Ion	Ratio	Lower	Upper
276	100		
138	18.4	16.0	24.0
277	25.6	19.9	29.9

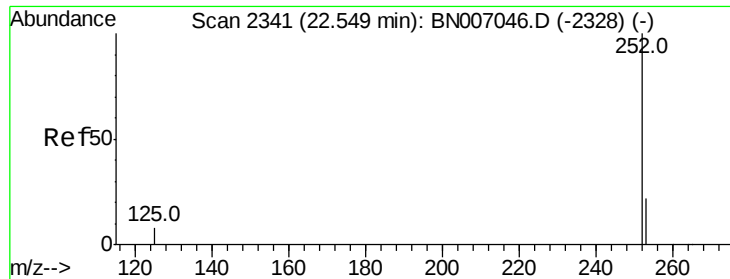


#32
Perylene-d12
Concen: 0.400 ng
RT: 23.15 min Scan# 2518
Delta R.T. -0.02 min
Lab File: BN007082.D
Acq: 11 Aug 2019 12:13

Tgt Ion:264 Resp: 53288

Ion	Ratio	Lower	Upper
264	100		
260	25.2	19.8	29.8
265	29.1	26.2	39.4





#33

Benzo(b)fluoranthene

Concen: 0.071 ng

RT: 22.54 min Scan# 2338

Delta R.T. -0.01 min

Lab File: BN007082.D

Acq: 11 Aug 2019 12:13

Instrument :

BNA_N

ClientSampleId :

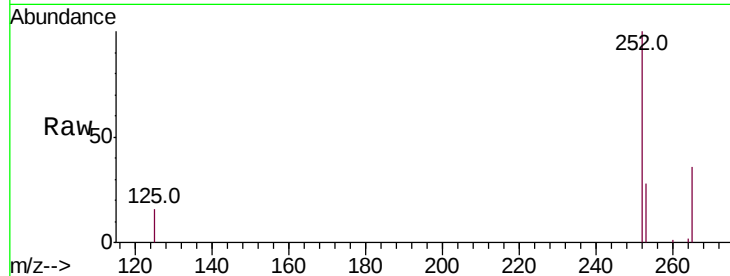
Tot Ion:252 Resp: 13056

Ion Ratio Lower Upper

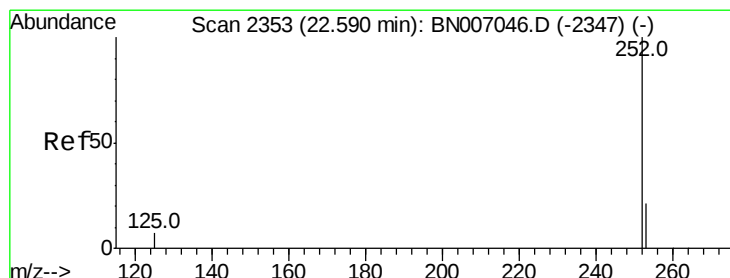
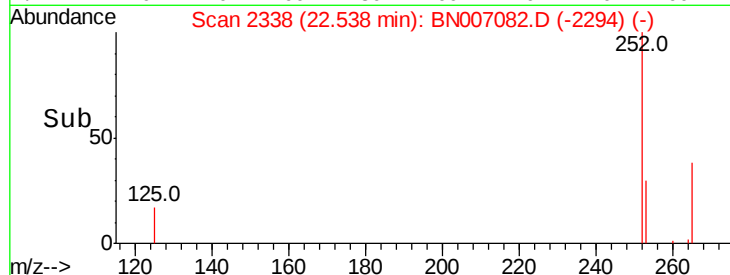
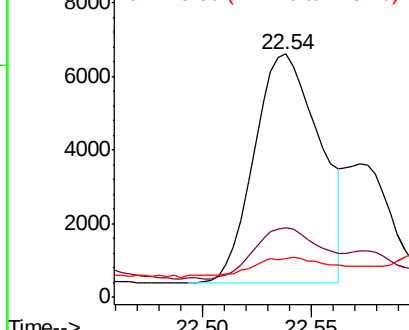
252 100

253 28.5 18.2 27.2#

125 16.2 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: 0.072 ng

RT: 22.54 min Scan# 2338

Delta R.T. -0.05 min

Lab File: BN007082.D

Acq: 11 Aug 2019 12:13

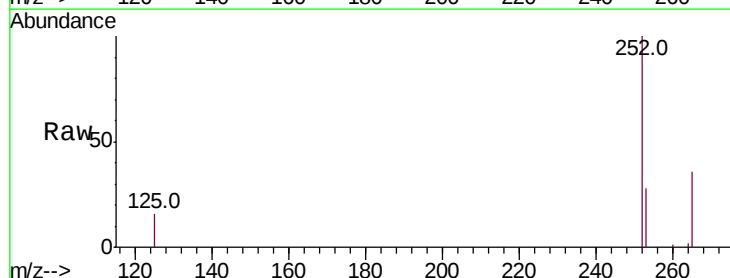
Tgt Ion:252 Resp: 13056

Ion Ratio Lower Upper

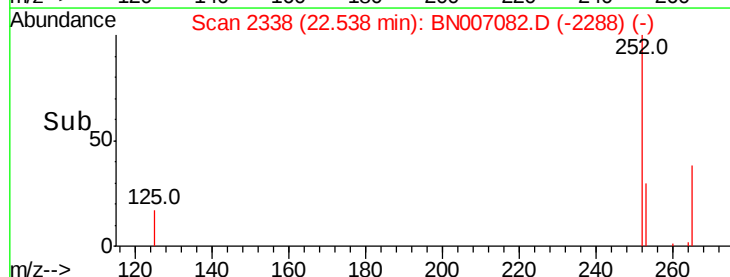
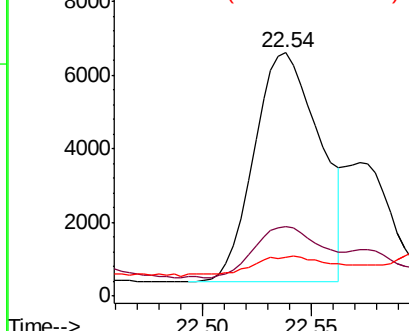
252 100

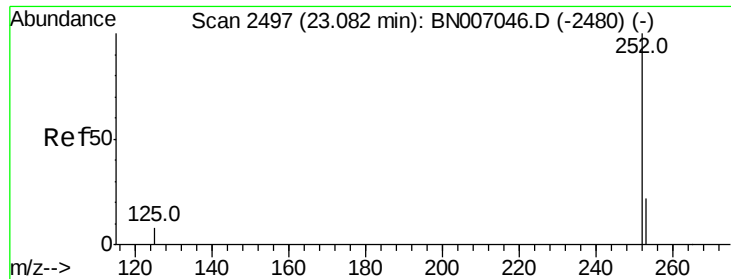
253 28.5 18.1 27.1#

125 16.2 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: 0.048 ng

RT: 23.07 min Scan# 2492

Delta R.T. -0.02 min

Lab File: BN007082.D

Acq: 11 Aug 2019 12:13

Instrument :

BNA_N

ClientSampleId :

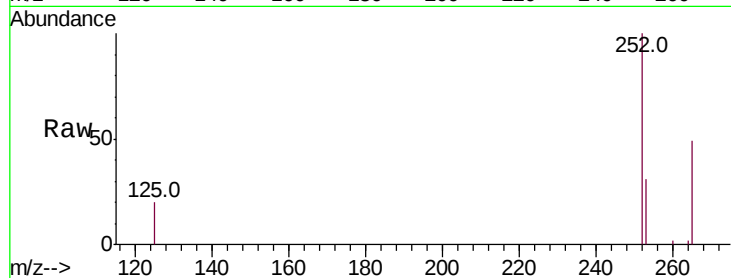
Tot Ion:252 Resp: 7920

Ion Ratio Lower Upper

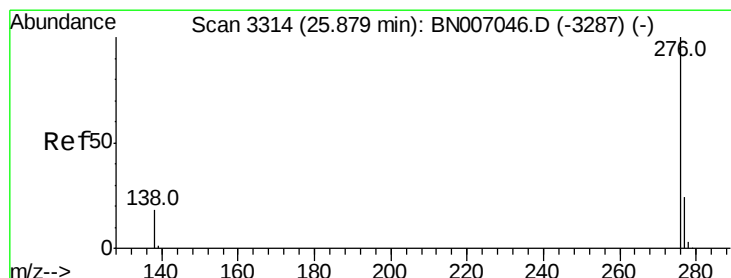
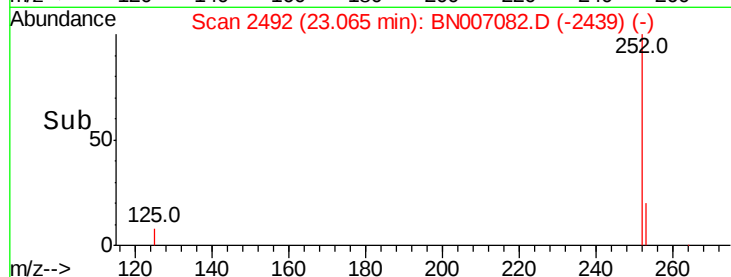
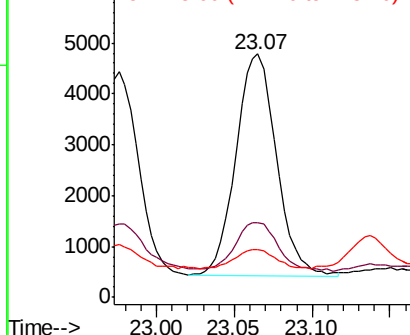
252 100

253 30.8 18.5 27.7#

125 19.7 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: 0.038 ng

RT: 25.85 min Scan# 3307

Delta R.T. -0.02 min

Lab File: BN007082.D

Acq: 11 Aug 2019 12:13

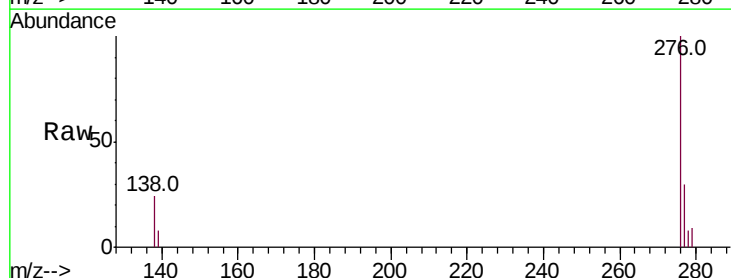
Tgt Ion:276 Resp: 6540

Ion Ratio Lower Upper

276 100

277 30.1 19.8 29.8#

138 24.2 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

