

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN081019\
 Data File : BN007080.D
 Acq On : 11 Aug 2019 11:01
 Operator : HP/JU
 Sample : K4143-03
 Misc :
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :

Quant Time: Aug 12 04:42:58 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	9910	0.40	ng	0.00
6) Naphthalene-d8	10.19	136	38100	0.40	ng	0.00
12) Acenaphthene-d10	14.08	164	21904	0.40	ng	0.00
18) Phenanthrene-d10	16.82	188	55024	0.40	ng	0.00
26) Chrysene-d12	21.04	240	55062	0.40	ng	-0.01
32) Perylene-d12	23.16	264	60048	0.40	ng	-0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
3) 2-Fluorophenol	5.06	112	4618	0.19	ng	0.00
4) Phenol-d6	6.61	99	6222	0.21	ng	0.00
7) Nitrobenzene-d5	8.56	82	4898	0.16	ng	0.00
10) 2-Methylnaphthalene-d10	11.79	152	11499	0.16	ng	0.00
13) 2,4,6-Tribromophenol	15.57	330	1014	0.09	ng	0.00
14) 2-Fluorobiphenyl	12.71	172	3885	0.12	ng	0.00
24) Fluoranthene-d10	18.87	212	29589	0.15	ng	0.00
28) Terphenyl-d14	19.49	244	22169	0.15	ng	0.00

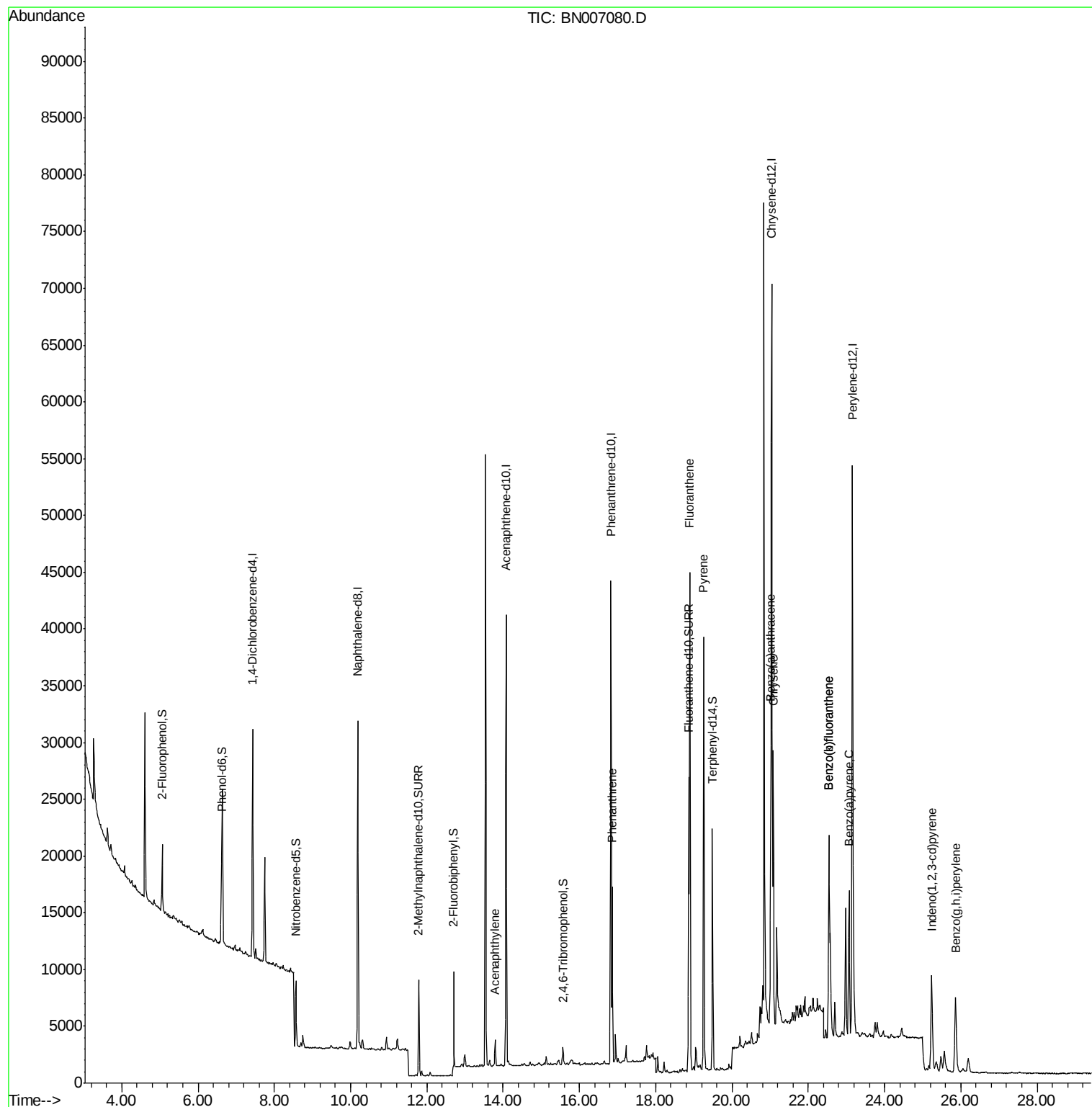
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
15) Acenaphthylene	13.79	152	2855	0.025	ng	99
22) Phenanthrene	16.87	178	15253	0.092	ng	99
25) Fluoranthene	18.90	202	39638	0.188	ng	100
27) Pyrene	19.26	202	35484	0.184	ng	97
29) Benzo(a)anthracene	21.02	228	18304	0.091	ng	93
30) Chrysene	21.08	228	22401	0.115	ng	96
31) Indeno(1,2,3-cd)pyrene	25.23	276	13593	0.063	ng	98
33) Benzo(b)fluoranthene	22.54	252	29007	0.141	ng	# 94
34) Benzo(k)fluoranthene	22.54	252	29007	0.143	ng	# 94
35) Benzo(a)pyrene	23.07	252	17399	0.093	ng	# 92
37) Benzo(a,h,i)perylene	25.86	276	13983	0.073	ng	95

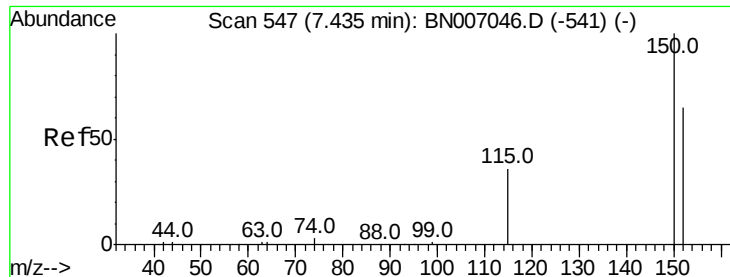
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN081019\
Data File : BN007080.D
Acq On : 11 Aug 2019 11:01
Operator : HP/JU
Sample : K4143-03
Misc :
ALS Vial : 27 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :

Quant Time: Aug 12 04:42:58 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



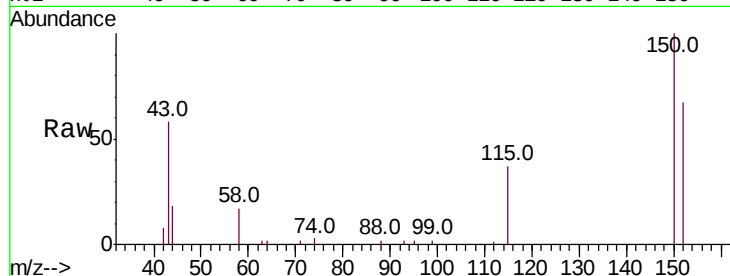


#1

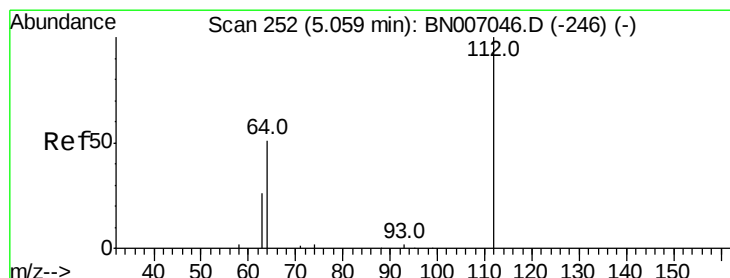
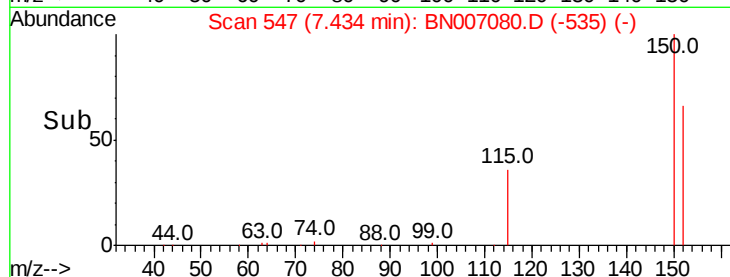
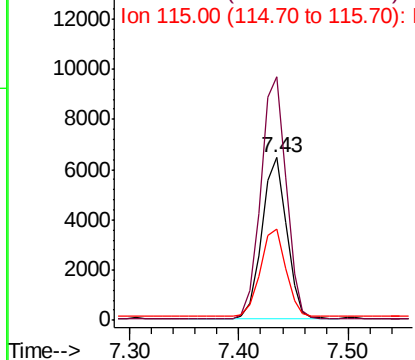
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.43 min Scan# 547
Delta R.T. -0.00 min
Lab File: BN007080.D
Acq: 11 Aug 2019 11:01

Instrument :
BNA_N
ClientSampleId :

Tot Ion:152 Resp: 9910
Ion Ratio Lower Upper
152 100
150 149.8 121.7 182.5
115 56.1 46.2 69.4



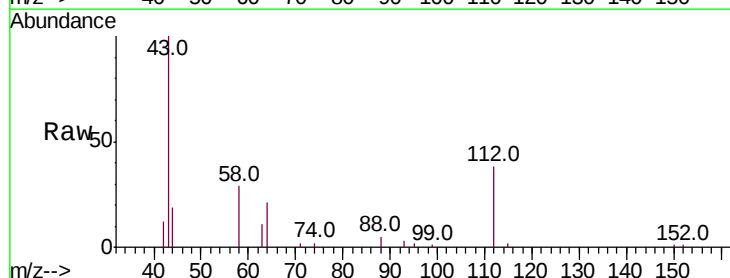
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



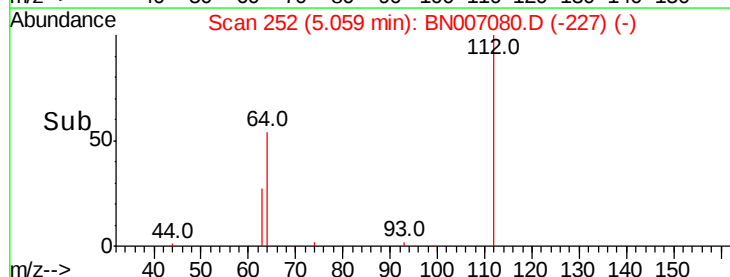
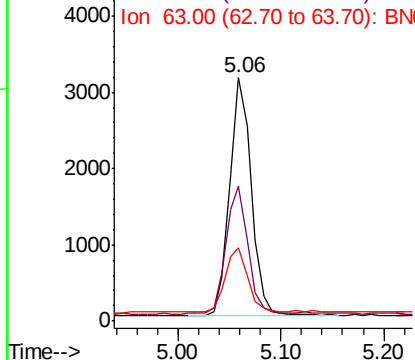
#3

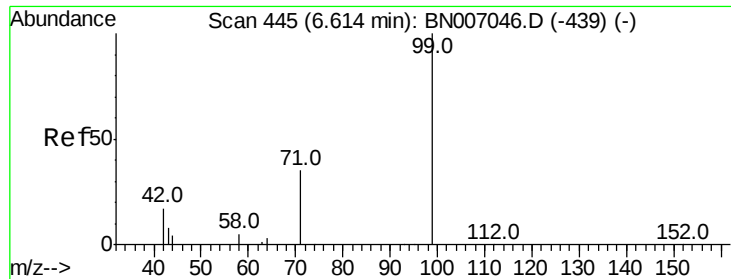
2-Fluorophenol
Concen: 0.194 ng
RT: 5.06 min Scan# 252
Delta R.T. -0.00 min
Lab File: BN007080.D
Acq: 11 Aug 2019 11:01

Tgt Ion:112 Resp: 4618
Ion Ratio Lower Upper
112 100
64 53.7 42.6 63.8
63 27.7 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: 0.211 ng

RT: 6.61 min Scan# 445

Delta R.T. -0.00 min

Lab File: BN007080.D

Acq: 11 Aug 2019 11:01

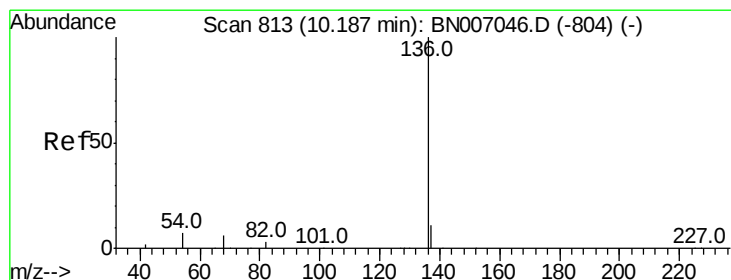
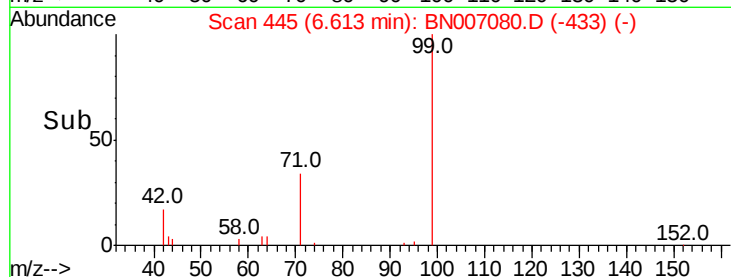
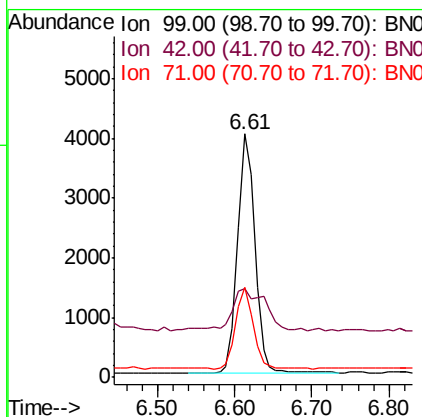
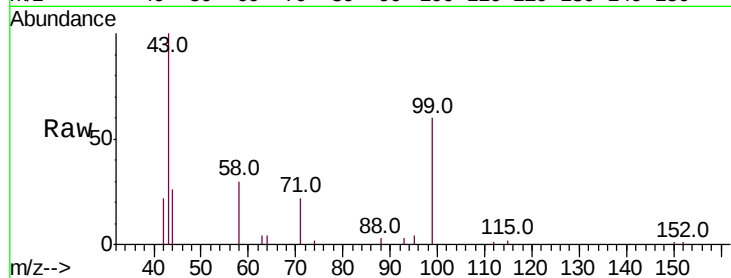
Instrument :

BNA_N

ClientSampled :

Tot Ion: 99 Resp: 6222

Ion	Ratio	Lower	Upper
99	100		
42	32.1	15.8	23.6#
71	34.4	27.0	40.4



#6

Naphthalene-d8

Concen: 0.400 ng

RT: 10.19 min Scan# 813

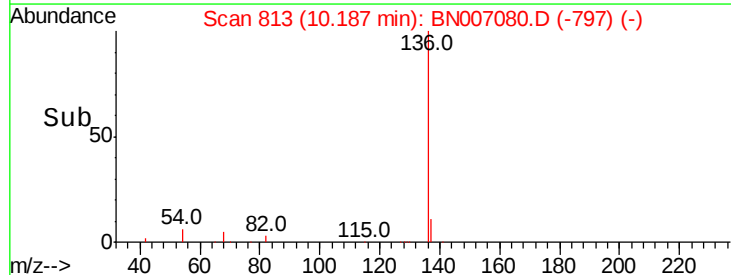
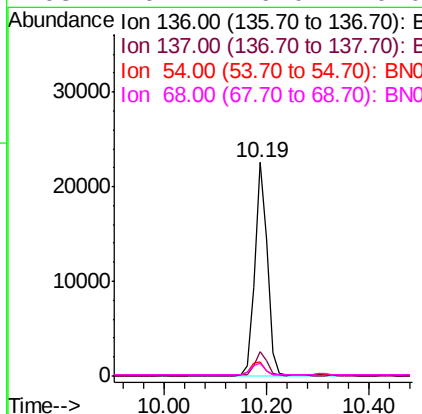
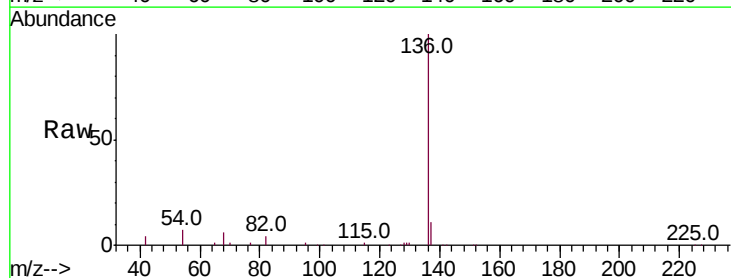
Delta R.T. -0.00 min

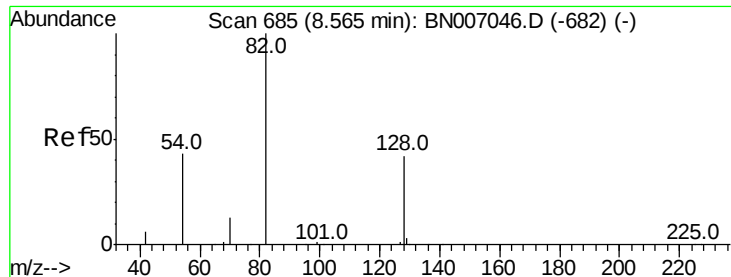
Lab File: BN007080.D

Acq: 11 Aug 2019 11:01

Tgt Ion: 136 Resp: 38100

Ion	Ratio	Lower	Upper
136	100		
137	11.3	9.4	14.0
54	6.7	6.6	9.8
68	6.1	6.0	9.0





#7

Nitrobenzene-d5

Concen: 0.159 ng

RT: 8.56 min Scan# 685

Delta R.T. -0.00 min

Lab File: BN007080.D

Acq: 11 Aug 2019 11:01

Instrument :

BNA_N

ClientSampleId :

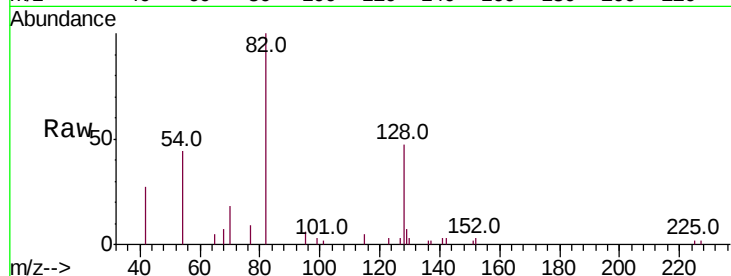
Tot Ion: 82 Resp: 4898

Ion Ratio Lower Upper

82 100

128 47.0 34.6 51.8

54 44.5 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) (-)

8.56

3000

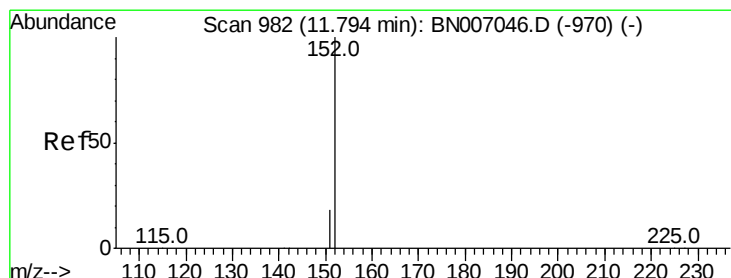
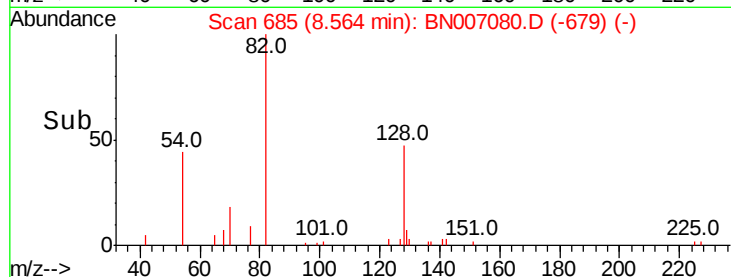
2000

1000

0

8.50 8.55 8.60 8.65

Time-->



#10

2-Methylnaphthalene-d10

Concen: 0.162 ng

RT: 11.79 min Scan# 981

Delta R.T. -0.00 min

Lab File: BN007080.D

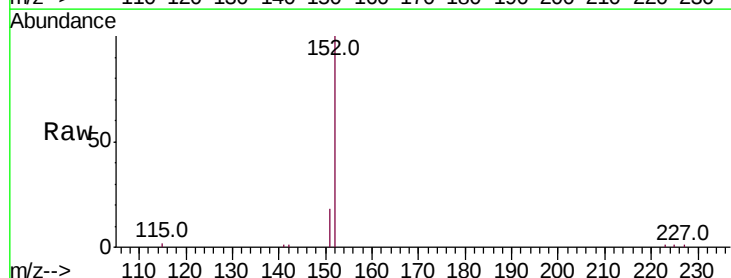
Acq: 11 Aug 2019 11:01

Tgt Ion: 152 Resp: 11499

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) (-)

11.79

8000

6000

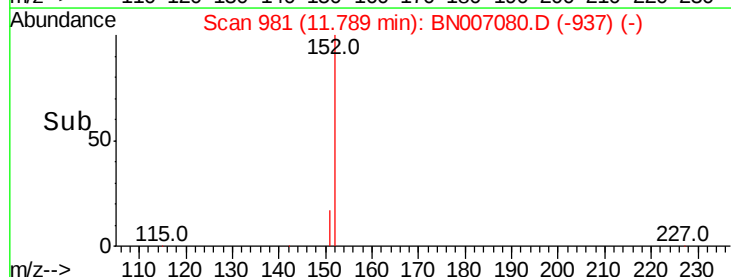
4000

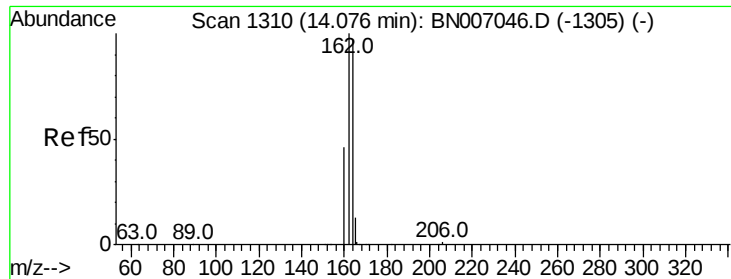
2000

0

11.70 11.80 11.90

Time-->





#12

Acenaphthene-d10

Concen: 0.400 ng

RT: 14.08 min Scan# 1310

Delta R.T. -0.00 min

Lab File: BN007080.D

Acq: 11 Aug 2019 11:01

Instrument :

BNA_N

ClientSampleId :

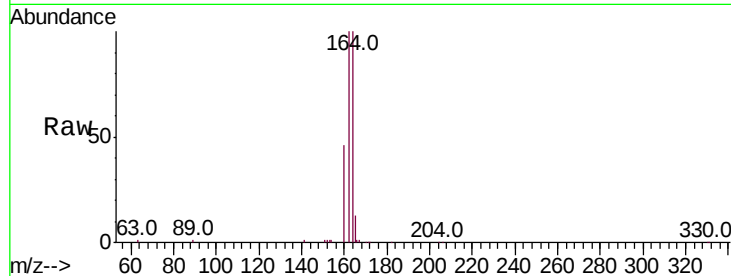
Tot Ion:164 Resp: 21904

Ion Ratio Lower Upper

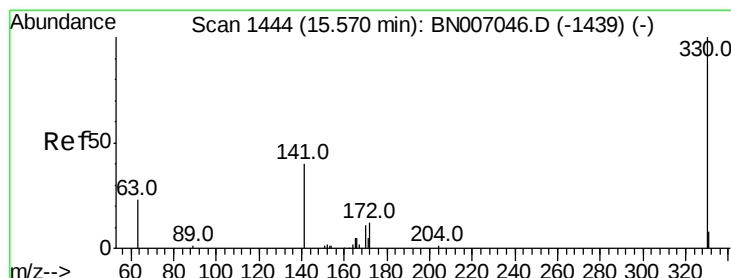
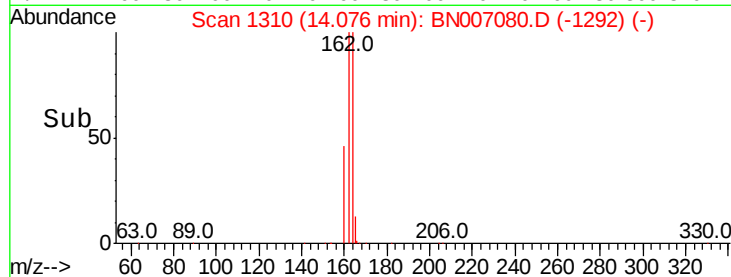
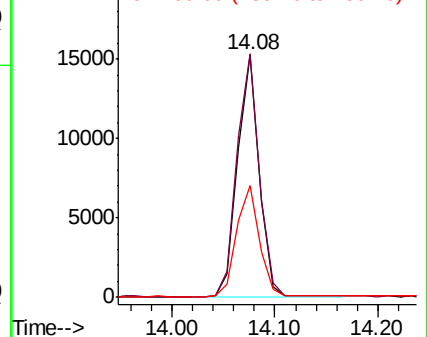
164 100

162 100.4 82.2 123.4

160 46.1 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: 0.086 ng

RT: 15.57 min Scan# 1444

Delta R.T. -0.00 min

Lab File: BN007080.D

Acq: 11 Aug 2019 11:01

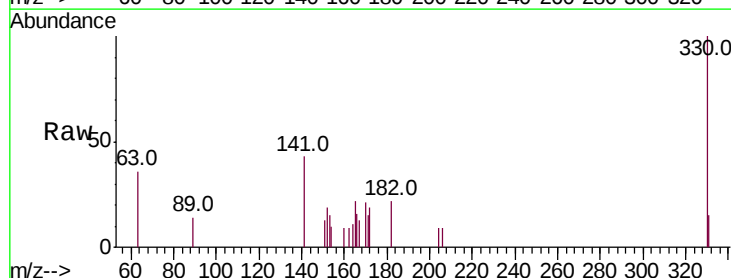
Tgt Ion:330 Resp: 1014

Ion Ratio Lower Upper

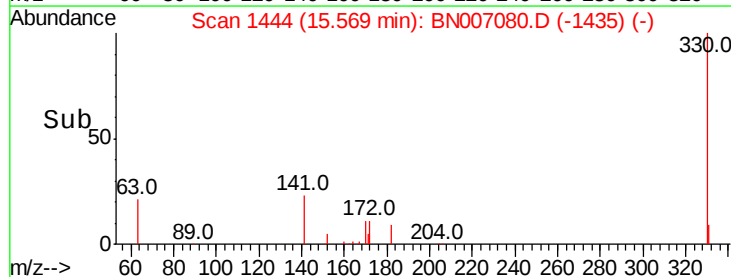
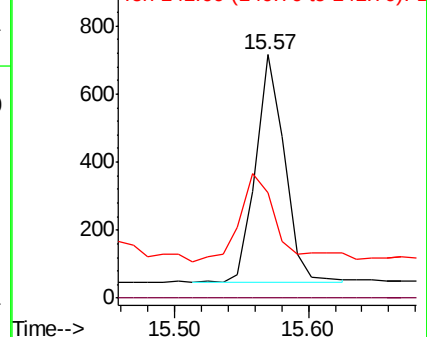
330 100

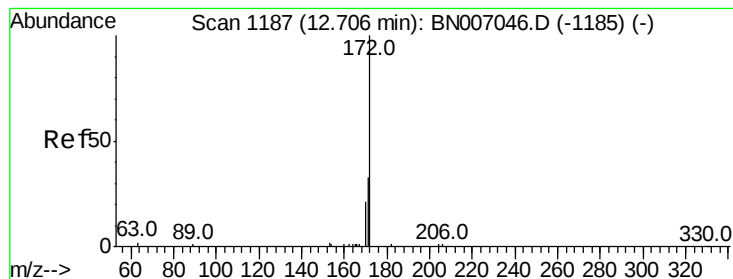
332 0.0 0.0 0.0

141 48.8 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: 0.122 ng

RT: 12.71 min Scan# 1187

Delta R.T. -0.00 min

Lab File: BN007080.D

Acq: 11 Aug 2019 11:01

Instrument :

BNA_N

ClientSampleId :

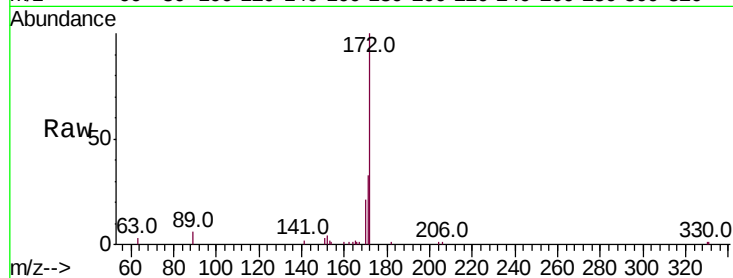
Tot Ion:172 Resp: 3885

Ion Ratio Lower Upper

172 100

171 32.8 26.3 39.5

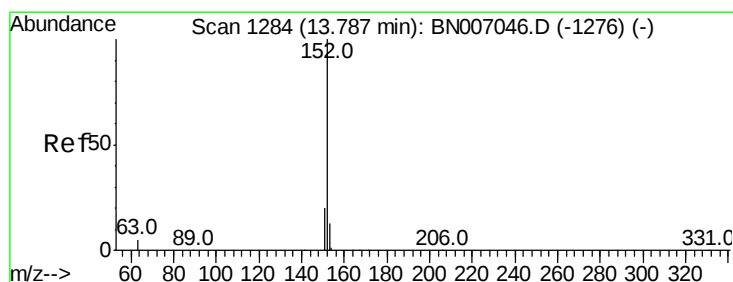
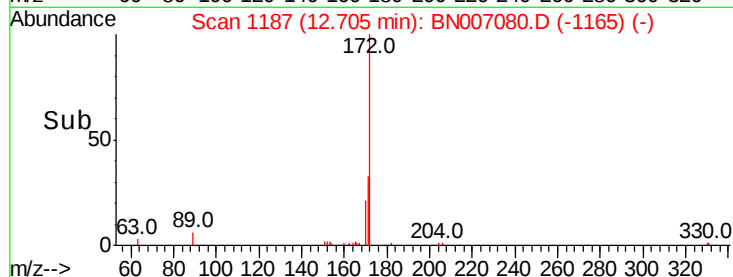
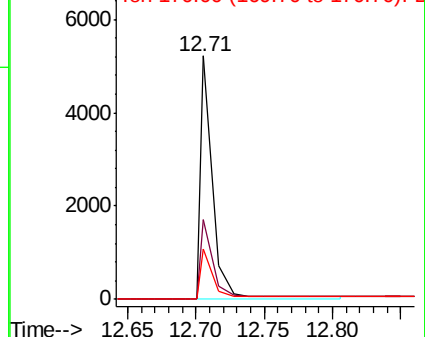
170 20.7 17.0 25.4



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: 0.025 ng

RT: 13.79 min Scan# 1284

Delta R.T. -0.00 min

Lab File: BN007080.D

Acq: 11 Aug 2019 11:01

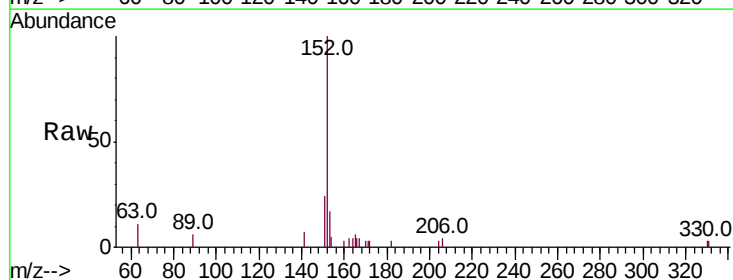
Tgt Ion:152 Resp: 2855

Ion Ratio Lower Upper

152 100

151 20.6 15.8 23.6

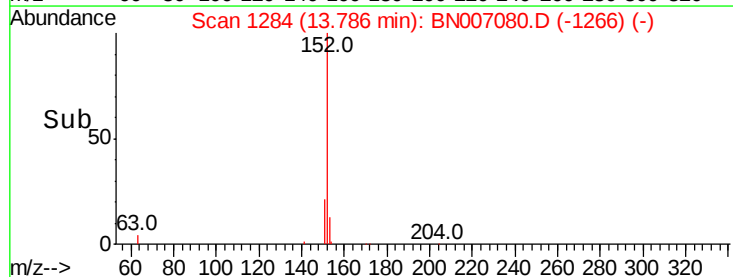
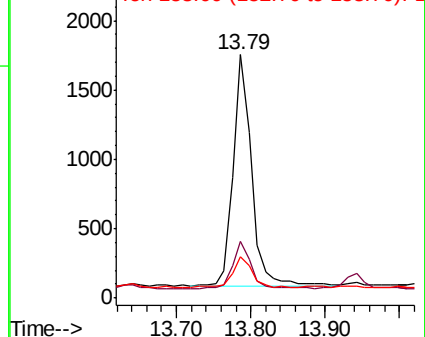
153 12.8 10.4 15.6

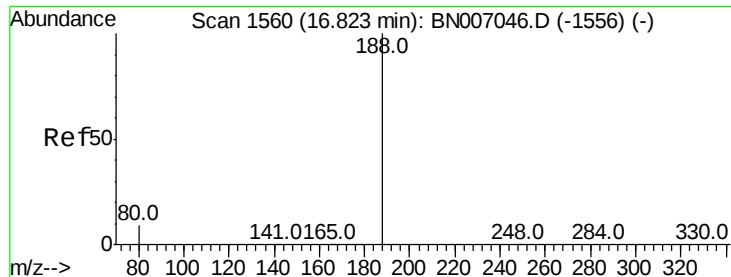


Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E





#18

Phenanthrene-d10

Concen: 0.400 ng

RT: 16.82 min Scan# 1560

Delta R.T. -0.00 min

Lab File: BN007080.D

Acq: 11 Aug 2019 11:01

Instrument :

BNA_N

ClientSampleId :

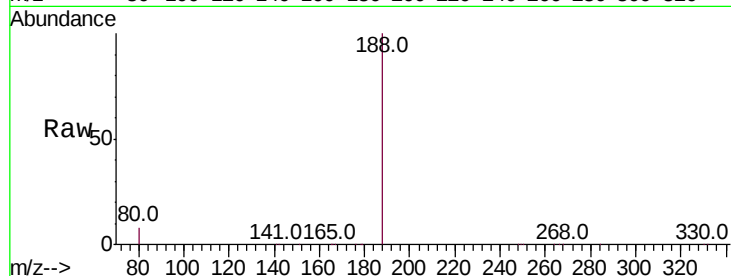
Tot Ion:188 Resp: 55024

Ion Ratio Lower Upper

188 100

94 0.0 0.0 0.0

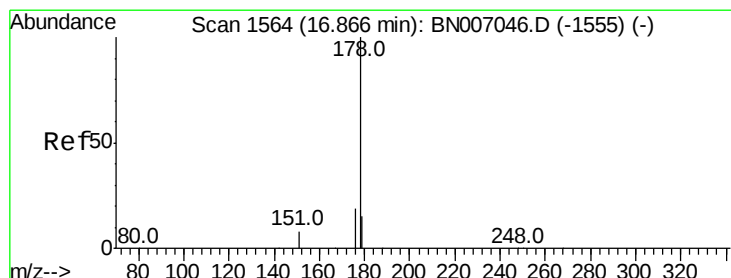
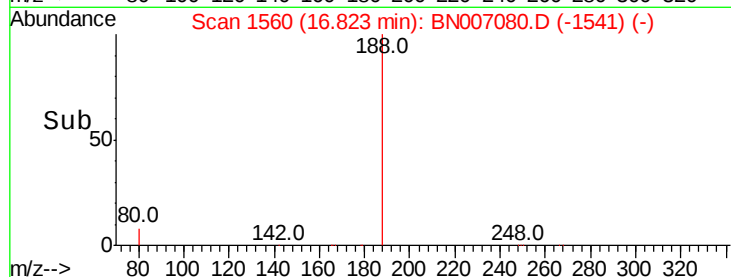
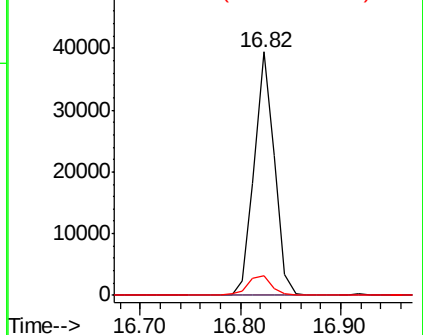
80 8.0 7.8 11.6



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: 0.092 ng

RT: 16.87 min Scan# 1564

Delta R.T. -0.00 min

Lab File: BN007080.D

Acq: 11 Aug 2019 11:01

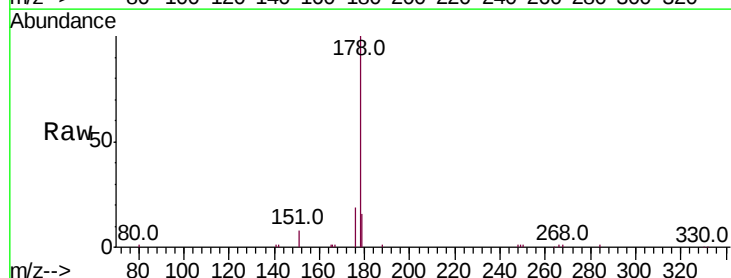
Tgt Ion:178 Resp: 15253

Ion Ratio Lower Upper

178 100

176 19.1 15.2 22.8

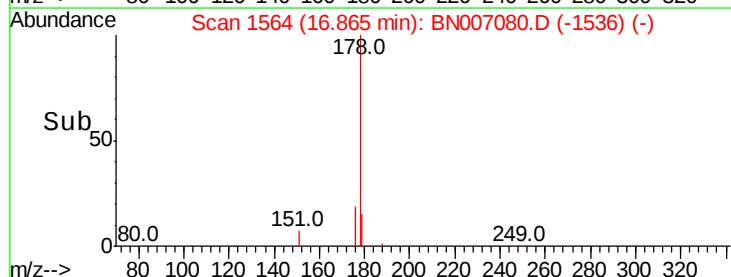
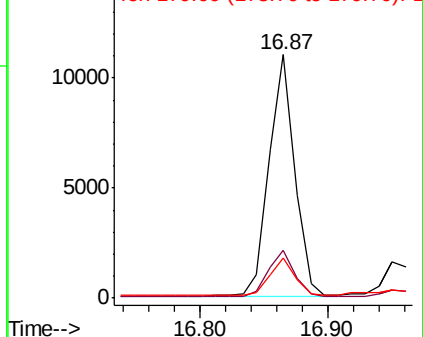
179 15.8 12.3 18.5

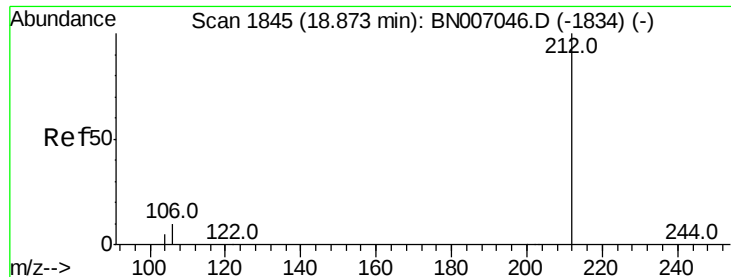


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#24

Fluoranthene-d10

Concen: 0.152 ng

RT: 18.87 min Scan# 1844

Delta R.T. -0.01 min

Lab File: BN007080.D

Acq: 11 Aug 2019 11:01

Instrument :

BNA_N

ClientSampleId :

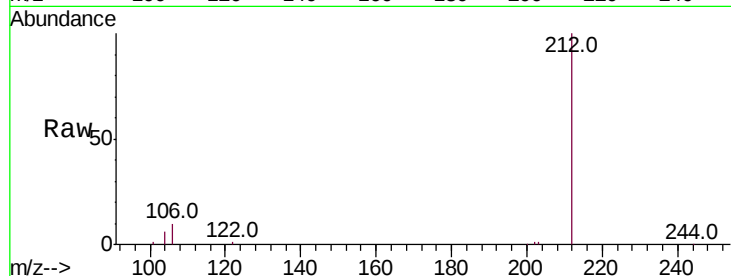
Tot Ion:212 Resp: 29589

Ion Ratio Lower Upper

212 100

106 10.3 8.2 12.2

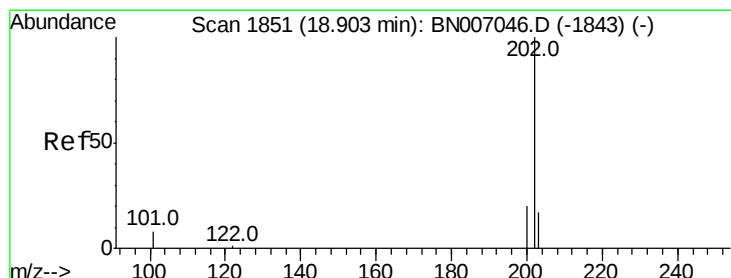
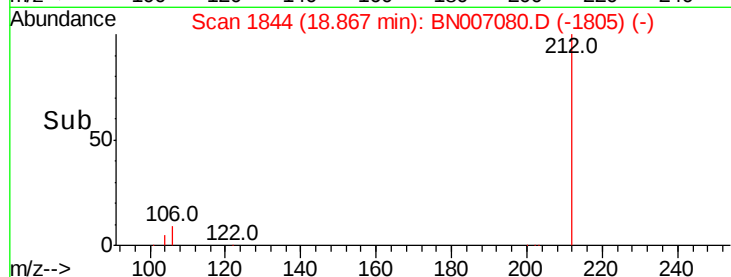
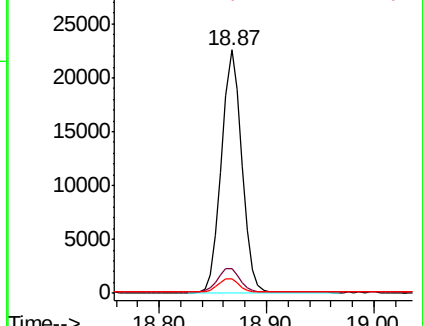
104 5.7 4.5 6.7



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: 0.188 ng

RT: 18.90 min Scan# 1850

Delta R.T. -0.01 min

Lab File: BN007080.D

Acq: 11 Aug 2019 11:01

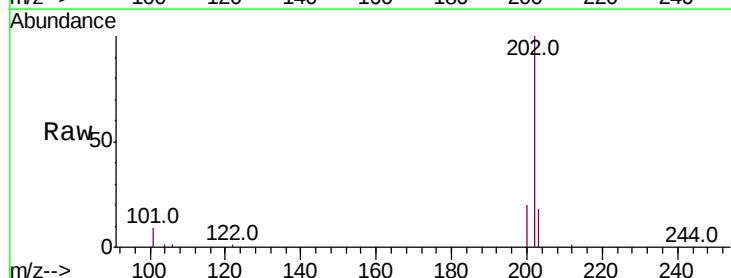
Tgt Ion:202 Resp: 39638

Ion Ratio Lower Upper

202 100

101 8.6 7.0 10.4

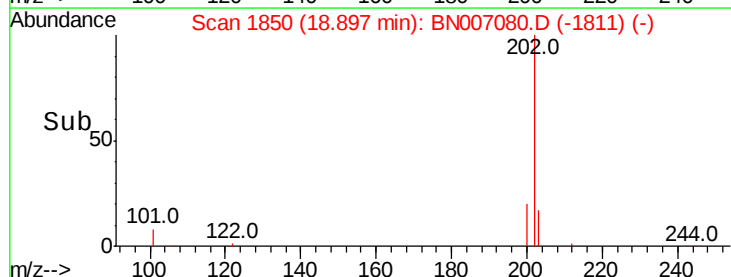
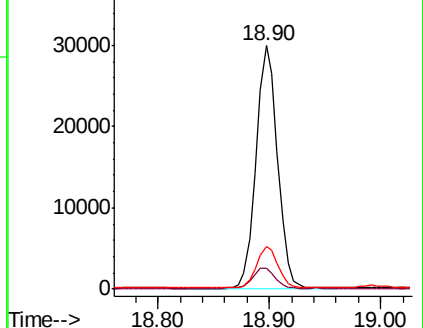
203 17.2 13.8 20.8

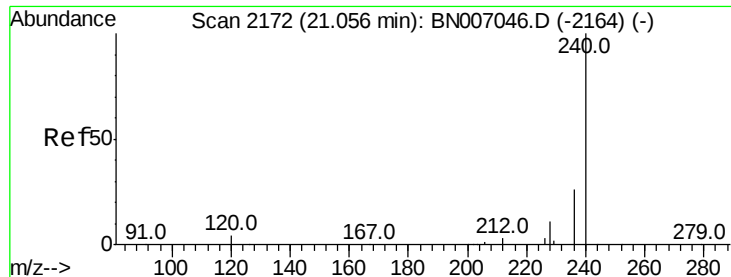


Abundance Ion 202.00 (201.70 to 202.70): E

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: 21.04 min Scan# 2171

Delta R.T. -0.01 min

Lab File: BN007080.D

Acq: 11 Aug 2019 11:01

Instrument :

BNA_N

ClientSampleId :

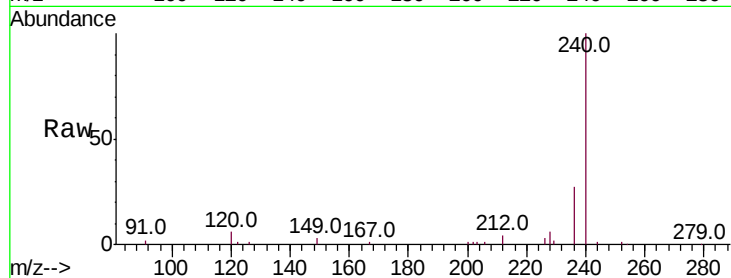
Tot Ion:240 Resp: 55062

Ion Ratio Lower Upper

240 100

120 6.2 4.0 6.0#

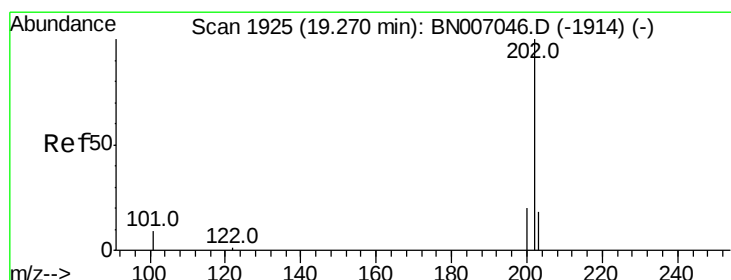
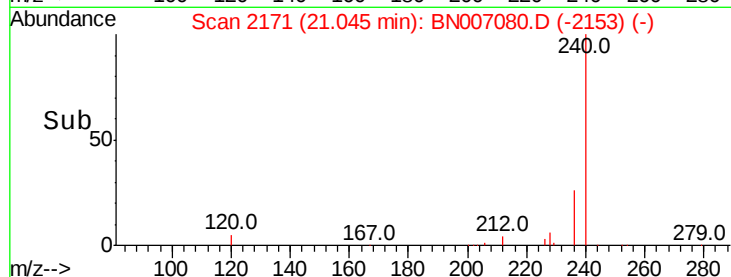
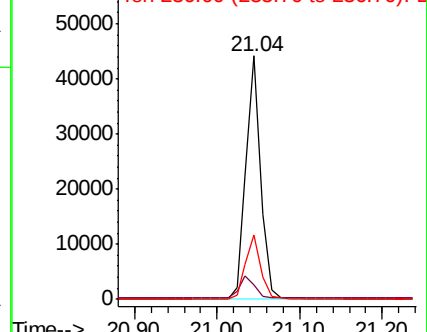
236 26.7 21.3 31.9



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: 0.184 ng

RT: 19.26 min Scan# 1923

Delta R.T. -0.01 min

Lab File: BN007080.D

Acq: 11 Aug 2019 11:01

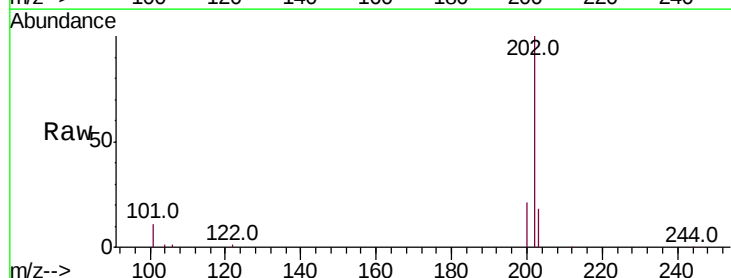
Tgt Ion:202 Resp: 35484

Ion Ratio Lower Upper

202 100

200 20.8 16.6 24.8

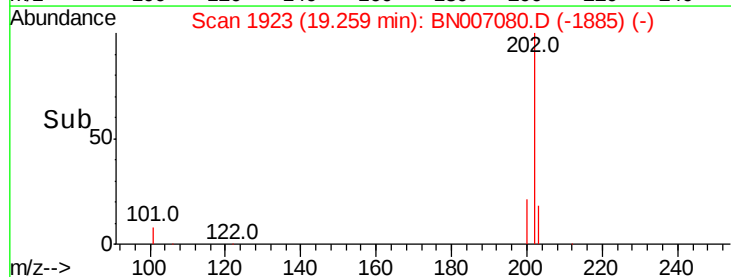
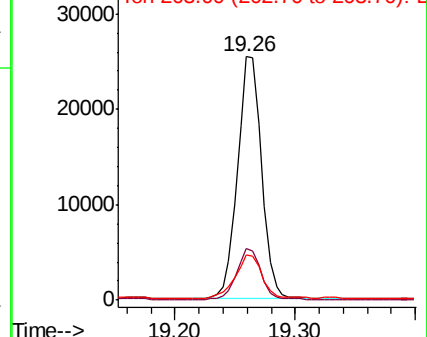
203 20.2 14.0 21.0

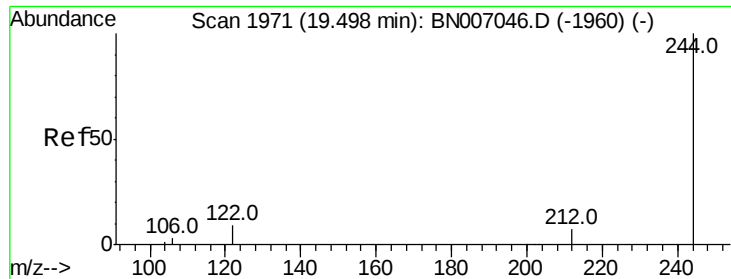


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E

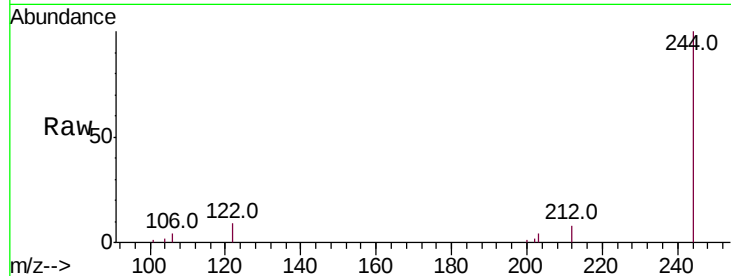




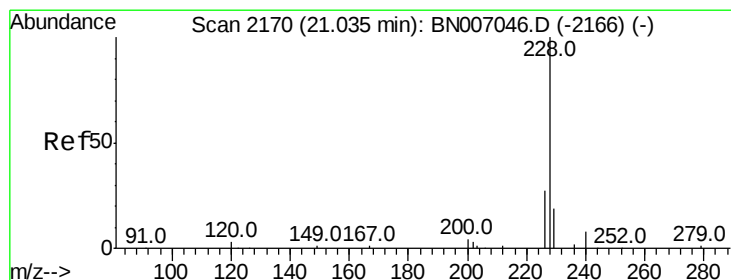
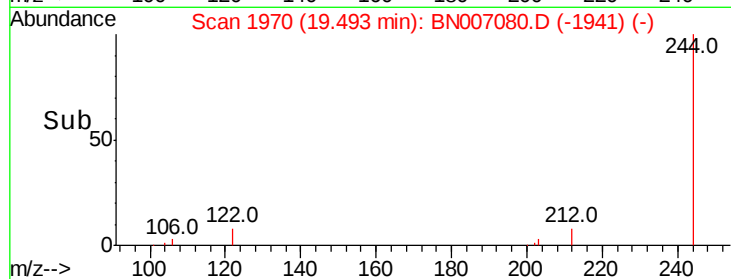
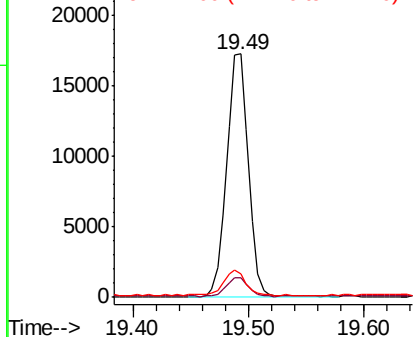
#28
 Terphenyl-d14
 Concen: 0.148 ng
 RT: 19.49 min Scan# 1970
 Delta R.T. -0.01 min
 Lab File: BN007080.D
 Acq: 11 Aug 2019 11:01

Instrument :
 BNA_N
 ClientSampleId :

Tot Ion:244 Resp: 22169
 Ion Ratio Lower Upper
 244 100
 212 8.0 6.2 9.2
 122 9.4 7.4 11.2

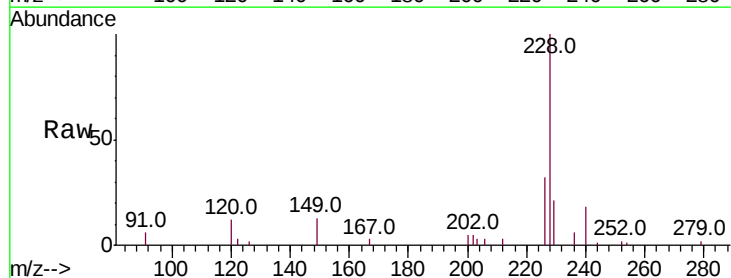


Abundance Ion 244.00 (243.70 to 244.70): E
 Ion 212.00 (211.70 to 212.70): E
 Ion 122.00 (121.70 to 122.70): E

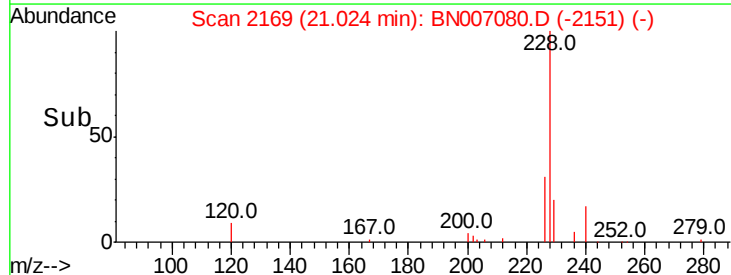
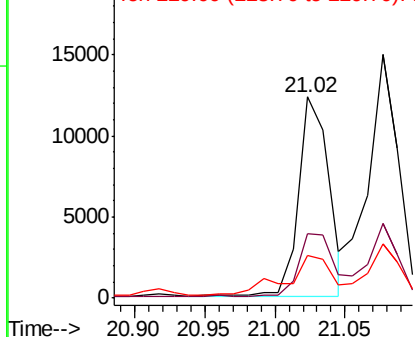


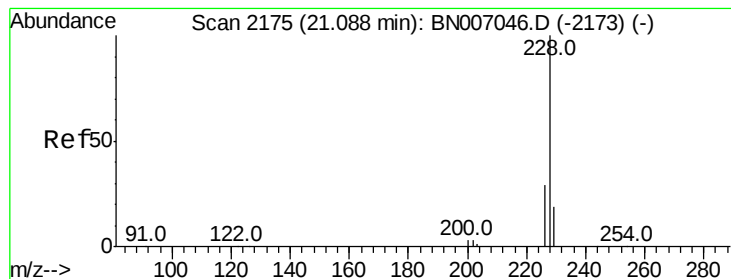
#29
 Benzo(a)anthracene
 Concen: 0.091 ng
 RT: 21.02 min Scan# 2169
 Delta R.T. -0.01 min
 Lab File: BN007080.D
 Acq: 11 Aug 2019 11:01

Tgt Ion:228 Resp: 18304
 Ion Ratio Lower Upper
 228 100
 226 31.8 21.8 32.6
 229 21.2 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: 0.115 ng

RT: 21.08 min Scan# 2174

Delta R.T. -0.01 min

Lab File: BN007080.D

Acq: 11 Aug 2019 11:01

Instrument :

BNA_N

ClientSampleId :

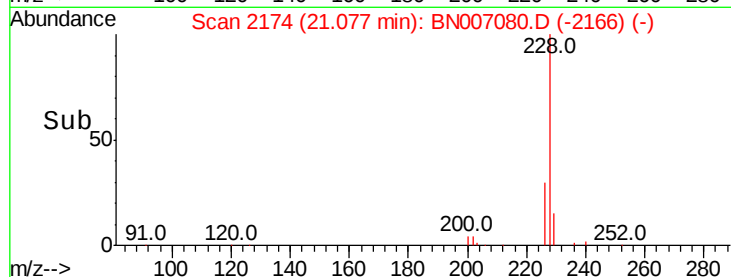
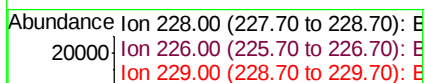
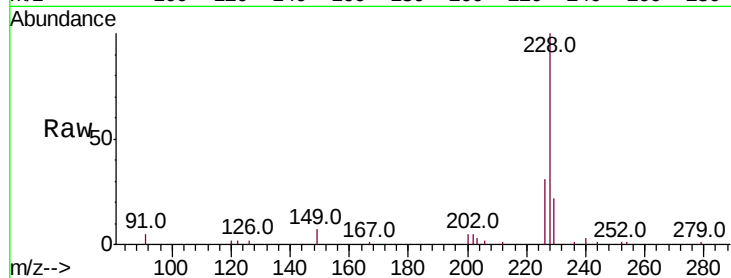
Tot Ion:228 Resp: 22401

Ion Ratio Lower Upper

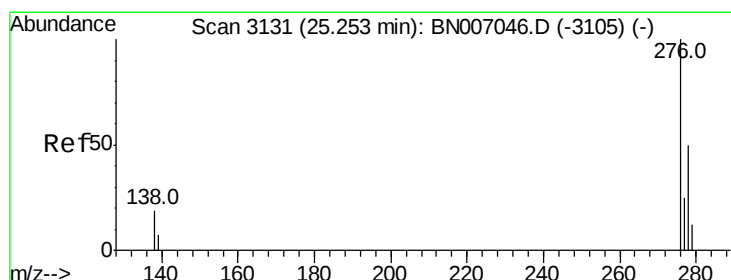
228 100

226 30.8 23.8 35.6

229 22.3 15.7 23.5



Time-->



#31

Indeno(1,2,3-cd)pyrene

Concen: 0.063 ng

RT: 25.23 min Scan# 3126

Delta R.T. -0.02 min

Lab File: BN007080.D

Acq: 11 Aug 2019 11:01

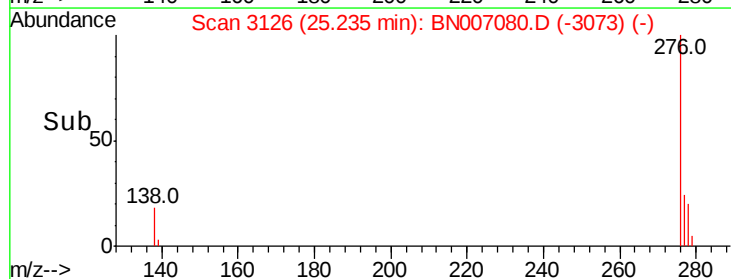
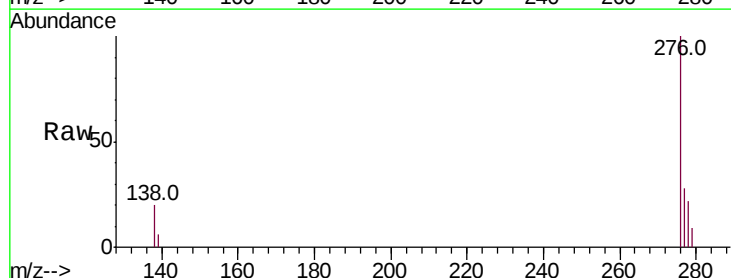
Tgt Ion:276 Resp: 13593

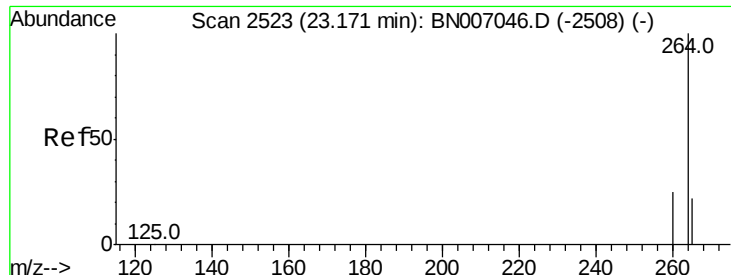
Ion Ratio Lower Upper

276 100

138 17.6 16.0 24.0

277 25.0 19.9 29.9

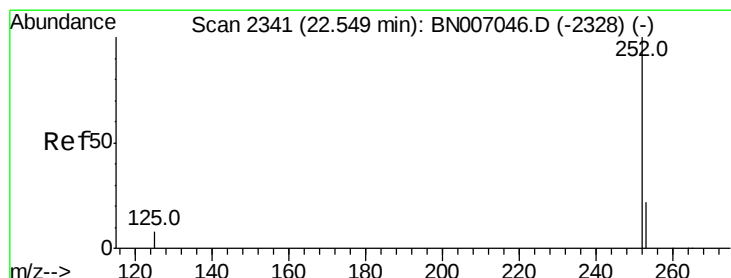
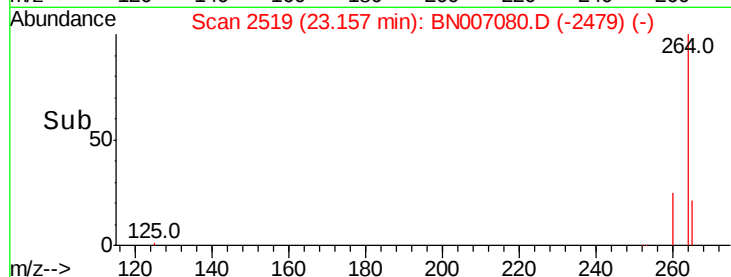
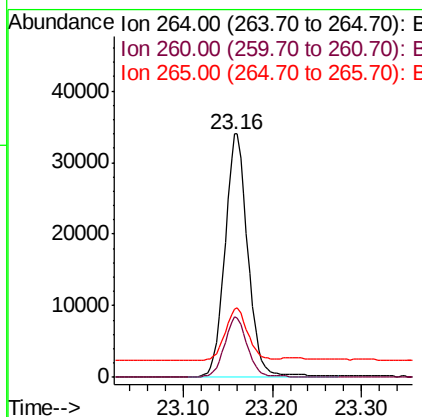
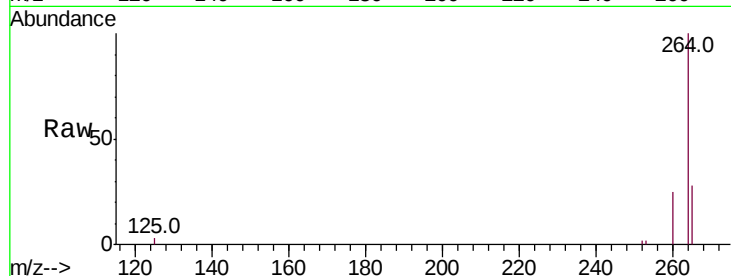




#32
Pervlene-d12
Concen: 0.400 ng
RT: 23.16 min Scan# 2519
Delta R.T. -0.01 min
Lab File: BN007080.D
Acq: 11 Aug 2019 11:01

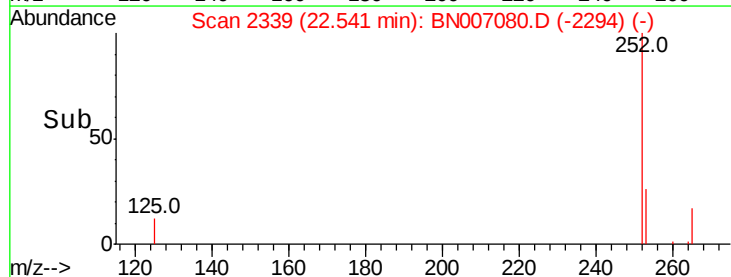
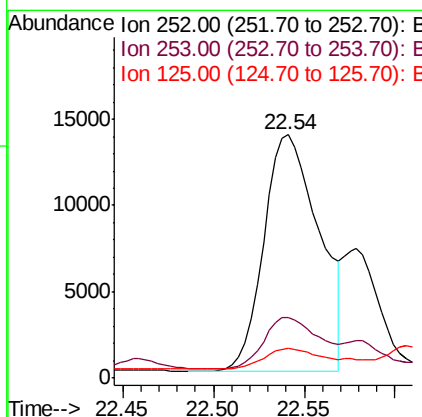
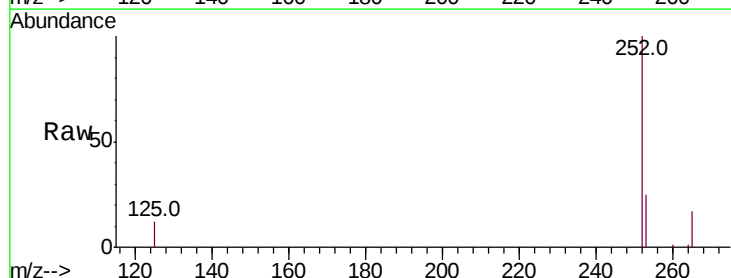
Instrument :
BNA_N
ClientSampleId :

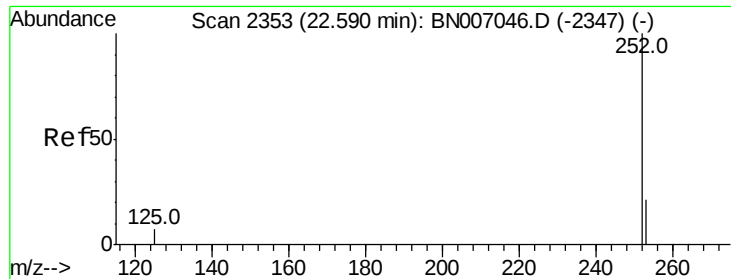
Tot Ion:264 Resp: 60048
Ion Ratio Lower Upper
264 100
260 24.9 19.8 29.8
265 28.1 26.2 39.4



#33
Benzo(b)fluoranthene
Concen: 0.141 ng
RT: 22.54 min Scan# 2339
Delta R.T. -0.01 min
Lab File: BN007080.D
Acq: 11 Aug 2019 11:01

Tgt Ion:252 Resp: 29007
Ion Ratio Lower Upper
252 100
253 25.0 18.2 27.2
125 12.1 7.4 11.0#

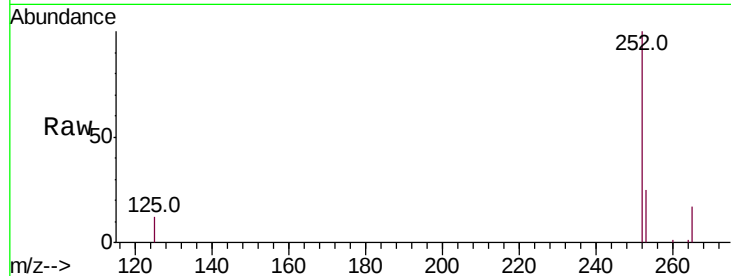




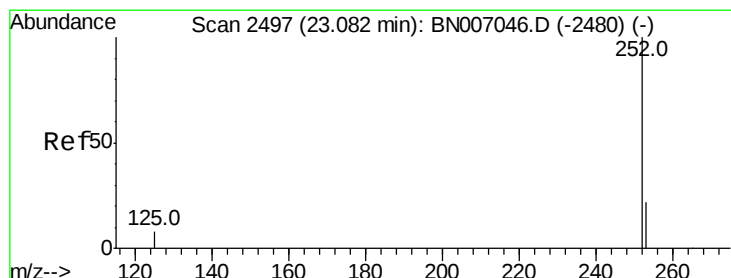
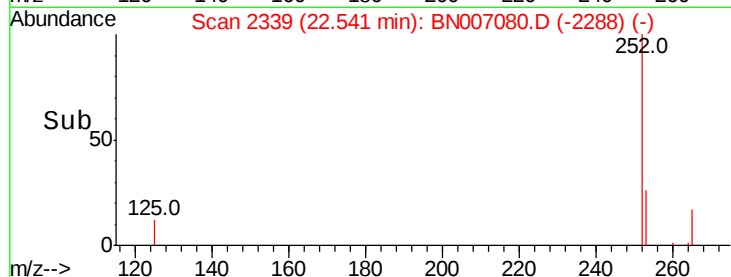
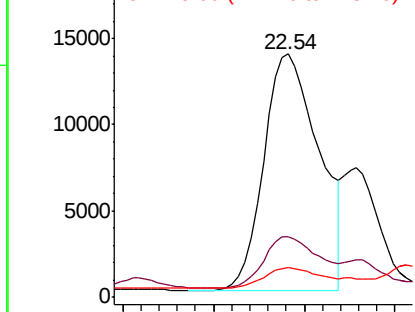
#34
Benzo(k)fluoranthene
Concen: 0.143 ng
RT: 22.54 min Scan# 2339
Delta R.T. -0.05 min
Lab File: BN007080.D
Acq: 11 Aug 2019 11:01

Instrument :
BNA_N
ClientSampleId :

Tot Ion:252 Resp: 29007
Ion Ratio Lower Upper
252 100
253 25.0 18.1 27.1
125 12.1 7.4 11.0#

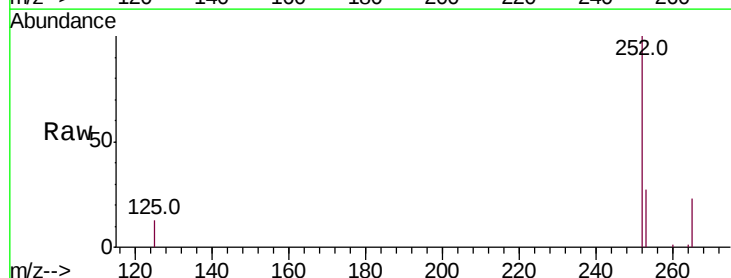


Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E

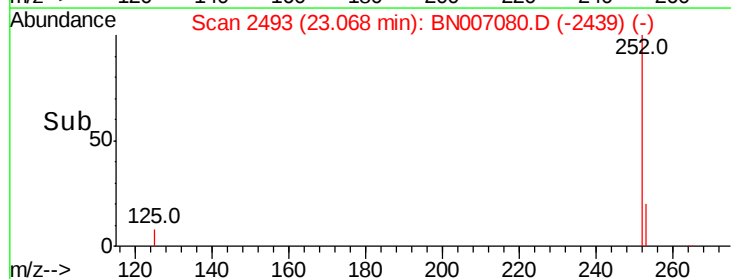
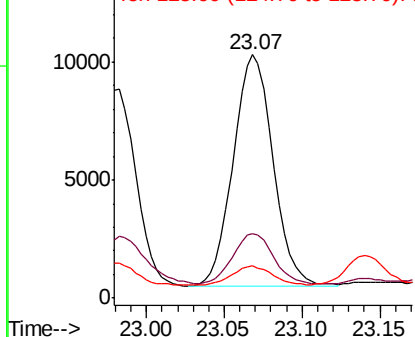


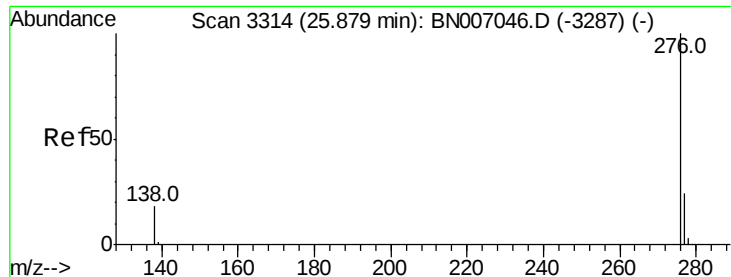
#35
Benzo(a)pyrene
Concen: 0.093 ng
RT: 23.07 min Scan# 2493
Delta R.T. -0.01 min
Lab File: BN007080.D
Acq: 11 Aug 2019 11:01

Tgt Ion:252 Resp: 17399
Ion Ratio Lower Upper
252 100
253 26.7 18.5 27.7
125 13.3 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(a,h,i)perylene

Concen: 0.073 ng

RT: 25.86 min Scan# 3309

Delta R.T. -0.02 min

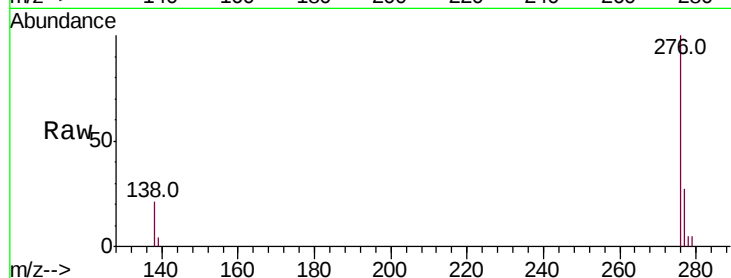
Lab File: BN007080.D

Acq: 11 Aug 2019 11:01

Instrument :

BNA_N

ClientSampleId :



Tot Ion: 276 Resp: 13983

Ion Ratio Lower Upper

276 100

277 26.9 19.8 29.8

138 21.1 14.6 22.0

