

Data Path : Z:\SVOASRV\HPCHEM1\BNA_N\DATA\BN081019\
 Data File : BN007062.D
 Acq On : 10 Aug 2019 23:34
 Operator : HP/JU
 Sample : K4239-03
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 PST-034-SW110-080519

Quant Time: Aug 12 05:09:07 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	8663	0.40	ng	0.00
6) Naphthalene-d8	10.19	136	32452	0.40	ng	0.00
12) Acenaphthene-d10	14.08	164	18444	0.40	ng	0.00
18) Phenanthrene-d10	16.82	188	45438	0.40	ng	0.00
26) Chrysene-d12	21.05	240	47310	0.40	ng	-0.01
32) Perylene-d12	23.16	264	52665	0.40	ng	-0.01

System Monitoring Compounds

3) 2-Fluorophenol	5.06	112	6690	0.32	ng	0.00
4) Phenol-d6	6.61	99	8076	0.31	ng	0.00
7) Nitrobenzene-d5	8.56	82	5675	0.22	ng	0.00
10) 2-Methylnaphthalene-d10	11.79	152	12691	0.21	ng	0.00
13) 2,4,6-Tribromophenol	15.57	330	299	0.03	ng	0.00
14) 2-Fluorobiphenyl	12.71	172	5723	0.21	ng	0.00
24) Fluoranthene-d10	18.87	212	31682	0.20	ng	0.00
28) Terphenyl-d14	19.49	244	25715	0.20	ng	0.00

Target Compounds

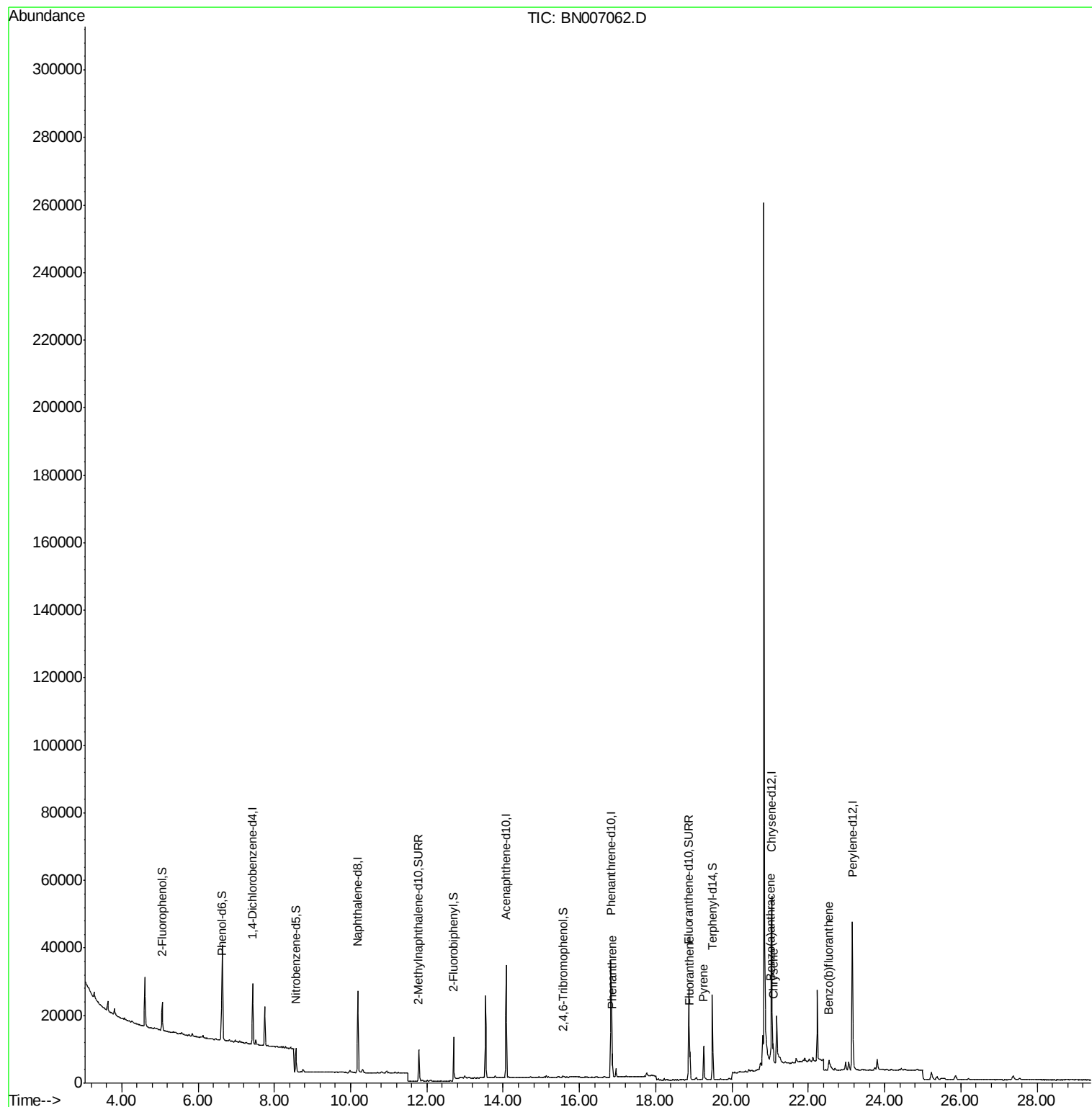
						Qvalue
22) Phenanthrene	16.87	178	6836	0.050	ng	97
25) Fluoranthene	18.90	202	8055	0.046	ng	99
27) Pyrene	19.26	202	9502	0.057	ng	96
29) Benzo(a)anthracene	21.02	228	4317	0.025	ng	# 88
30) Chrysene	21.08	228	5162	0.031	ng	# 93
33) Benzo(b)fluoranthene	22.54	252	5051	0.028	ng	# 64

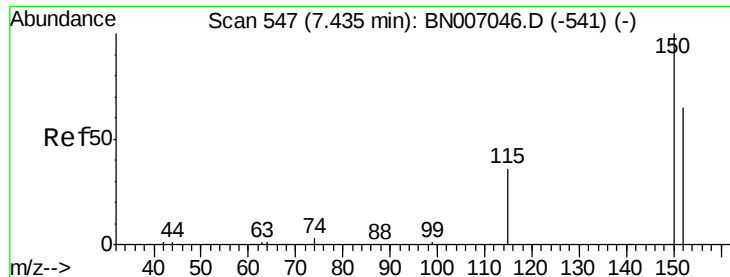
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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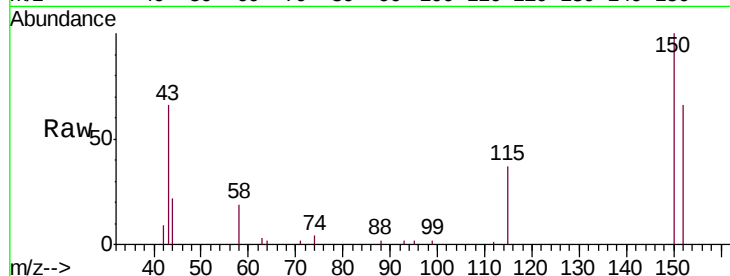


#1

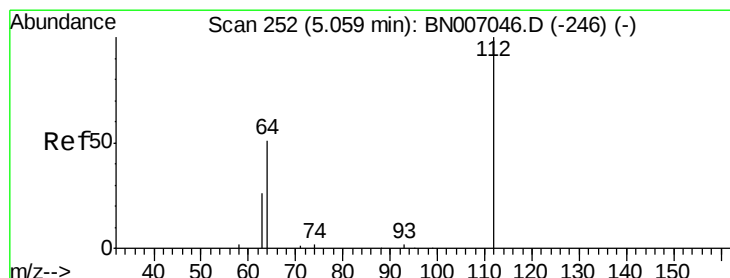
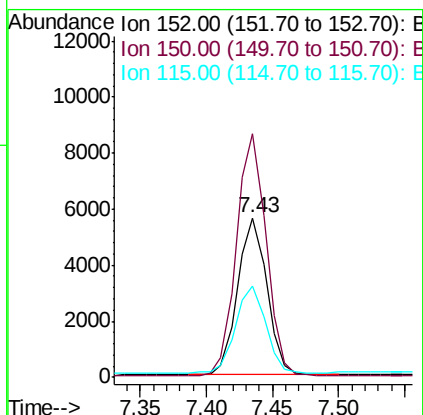
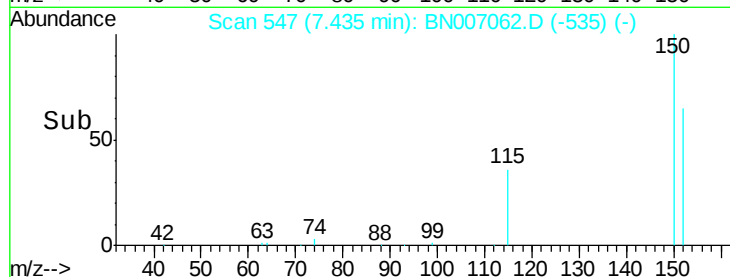
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.43 min Scan# 547
Delta R.T. -0.00 min
Lab File: BN007062.D
Acq: 10 Aug 2019 23:34

Instrument :
BNA_N
ClientSampleId :
PST-034-SW110-080519

Tgt Ion:152 Resp: 8663
Ion Ratio Lower Upper
152 100
150 152.5 121.7 182.5
115 57.0 46.2 69.4



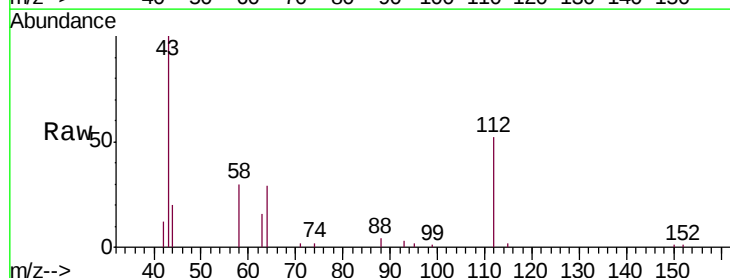
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



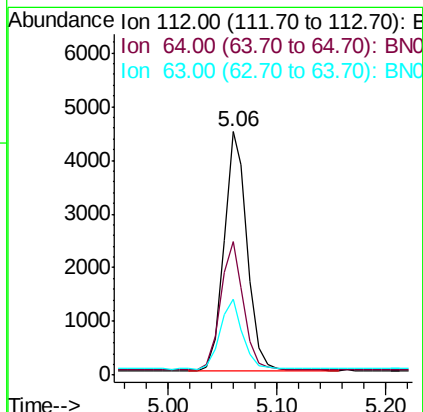
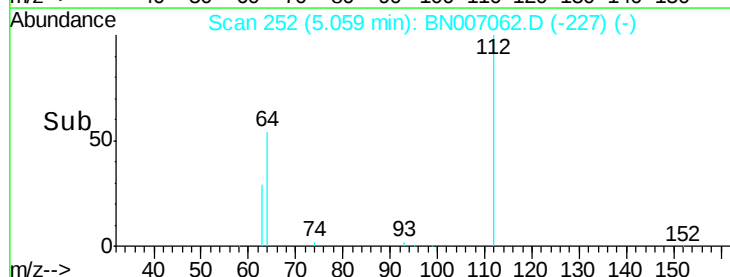
#3

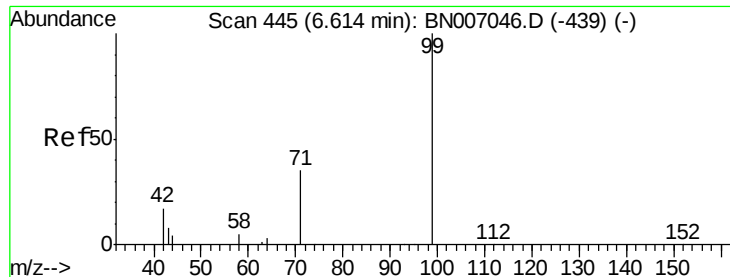
2-Fluorophenol
Concen: 0.321 ng
RT: 5.06 min Scan# 252
Delta R.T. -0.00 min
Lab File: BN007062.D
Acq: 10 Aug 2019 23:34

Tgt Ion:112 Resp: 6690
Ion Ratio Lower Upper
112 100
64 52.6 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: 0.313 ng

RT: 6.61 min Scan# 445

Delta R.T. -0.00 min

Lab File: BN007062.D

Acq: 10 Aug 2019 23:34

Instrument :

BNA_N

ClientSampleId :

PST-034-SW110-080519

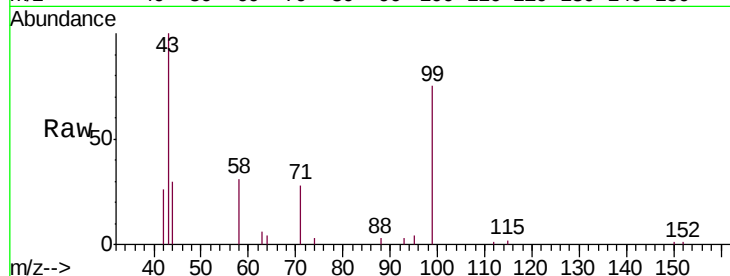
Tgt Ion: 99 Resp: 8076

Ion Ratio Lower Upper

99 100

42 0.0 15.8 23.6#

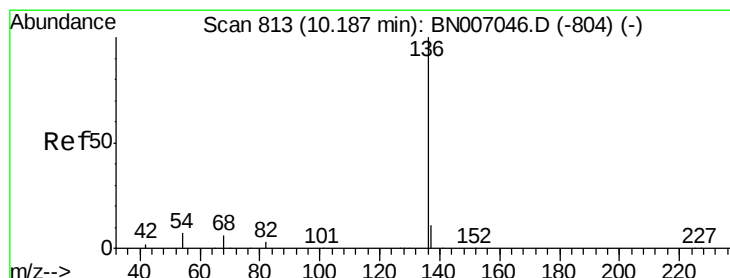
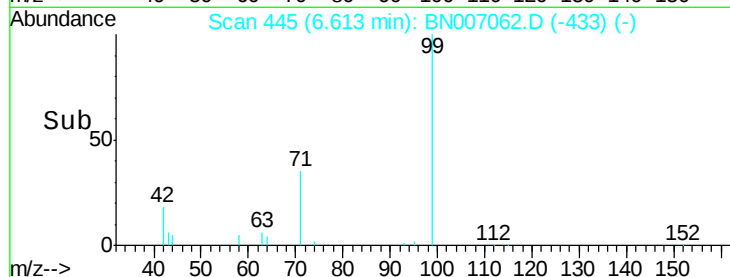
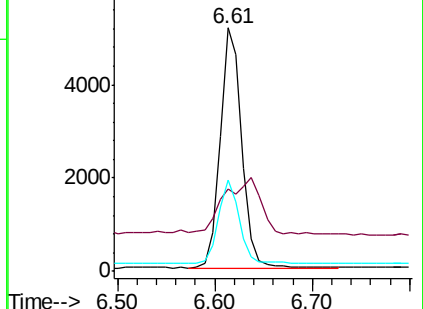
71 33.4 27.0 40.4



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: BN007062.D

Acq: 10 Aug 2019 23:34

Tgt Ion: 136 Resp: 32452

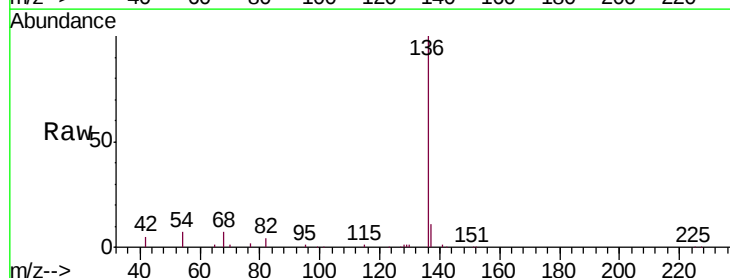
Ion Ratio Lower Upper

136 100

137 11.2 9.4 14.0

54 7.4 6.6 9.8

68 6.8 6.0 9.0

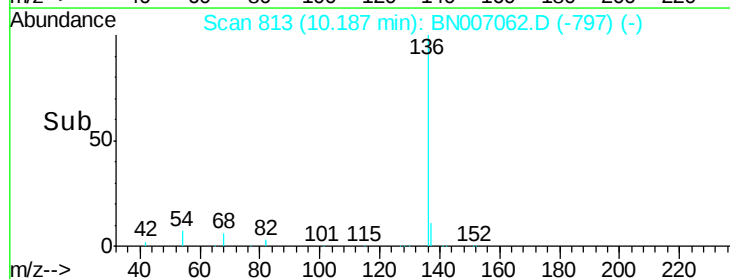
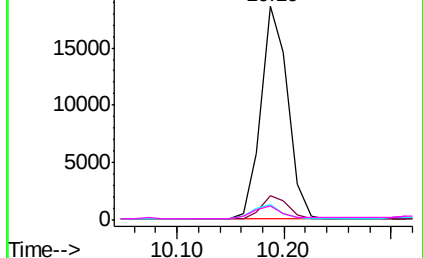


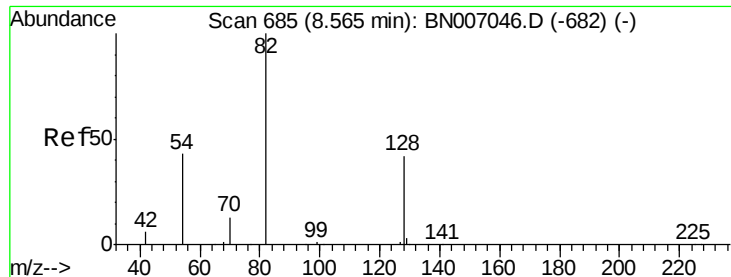
Abundance Ion 136.00 (135.70 to 136.70): BN007046.D (-804) (-)

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) (-)





#7

Nitrobenzene-d5

Concen: 0.217 ng

RT: 8.56 min Scan# 685

Delta R.T. -0.00 min

Lab File: BN007062.D

Acq: 10 Aug 2019 23:34

Instrument :

BNA_N

ClientSampleId :

PST-034-SW110-080519

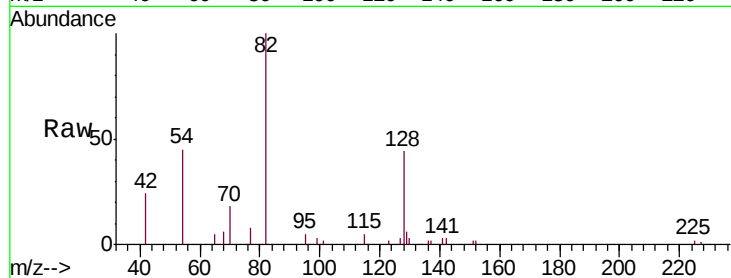
Tgt Ion: 82 Resp: 5675

Ion Ratio Lower Upper

82 100

128 44.2 34.6 51.8

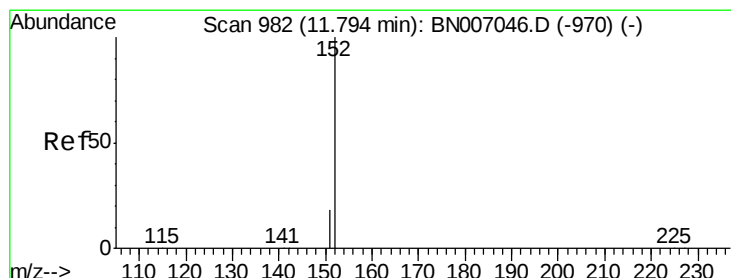
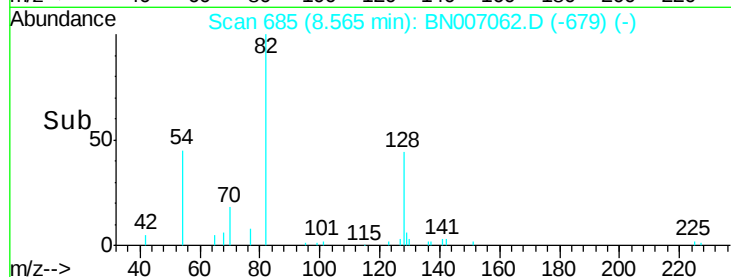
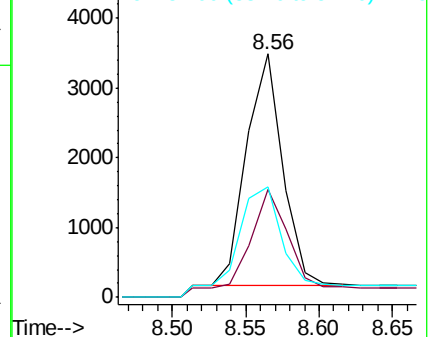
54 45.2 36.2 54.4



Abundance Ion 82.00 (81.70 to 82.70): BNC

Ion 128.00 (127.70 to 128.70): BNC

Ion 54.00 (53.70 to 54.70): BNC



#10

2-Methylnaphthalene-d10

Concen: 0.210 ng

RT: 11.79 min Scan# 981

Delta R.T. -0.00 min

Lab File: BN007062.D

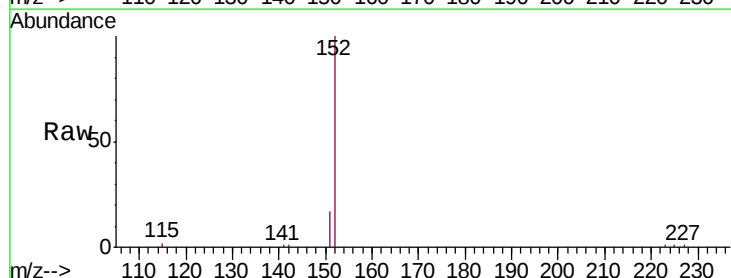
Acq: 10 Aug 2019 23:34

Tgt Ion: 152 Resp: 12691

Ion Ratio Lower Upper

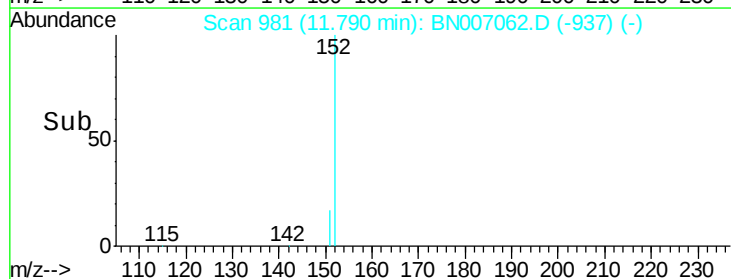
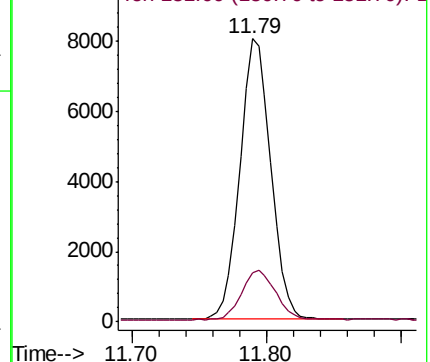
152 100

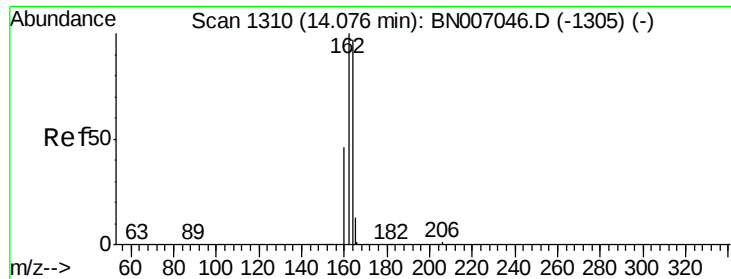
151 19.5 15.5 23.3



Abundance Ion 152.00 (151.70 to 152.70): BNC

Ion 151.00 (150.70 to 151.70): BNC





#12

Acenaphthene-d10

Concen: 0.400 ng

RT: 14.08 min Scan# 1310

Delta R.T. -0.00 min

Lab File: BN007062.D

Acq: 10 Aug 2019 23:34

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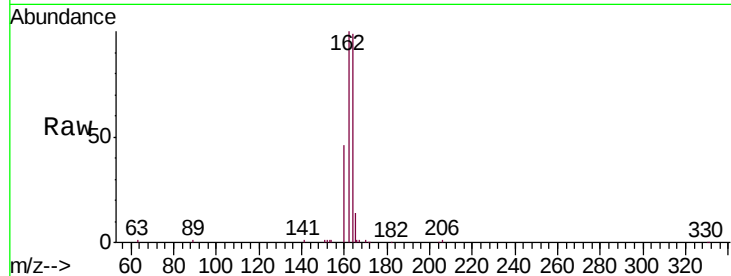
Tgt Ion:164 Resp: 18444

Ion Ratio Lower Upper

164 100

162 100.9 82.2 123.4

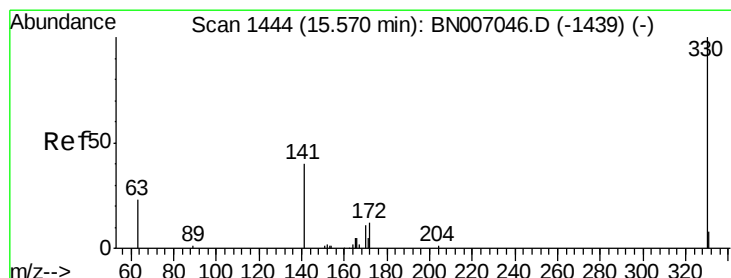
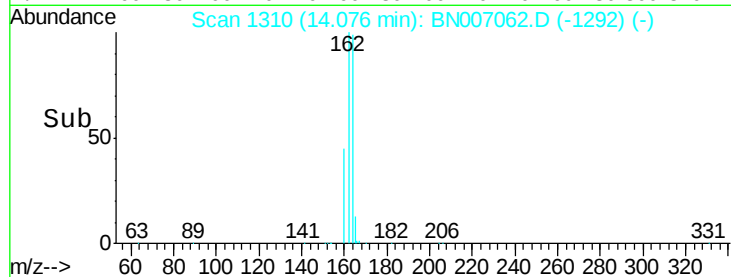
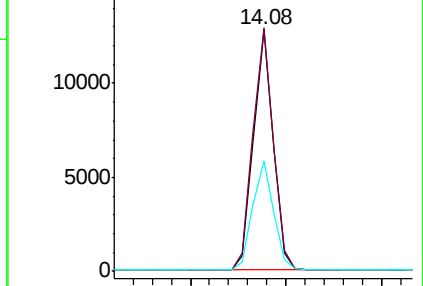
160 45.9 38.3 57.5



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: 0.030 ng

RT: 15.57 min Scan# 1444

Delta R.T. -0.00 min

Lab File: BN007062.D

Acq: 10 Aug 2019 23:34

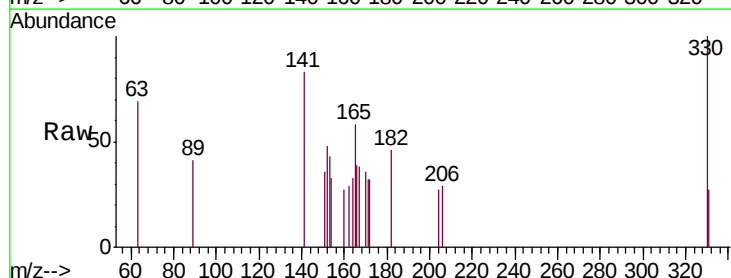
Tgt Ion:330 Resp: 299

Ion Ratio Lower Upper

330 100

332 0.0 0.0 0.0

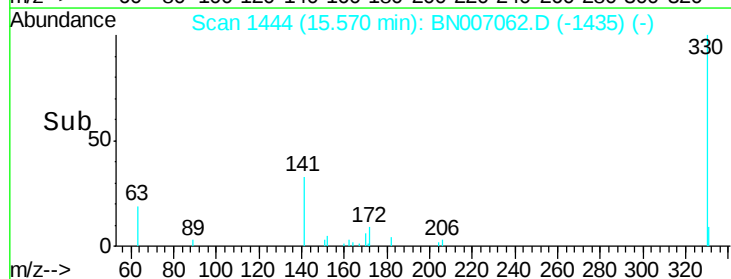
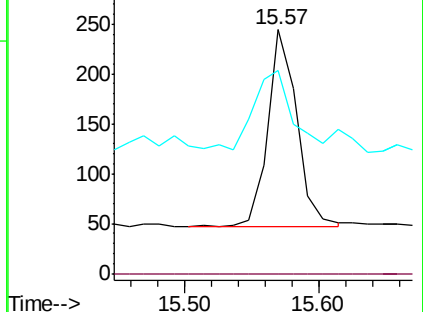
141 50.2 33.6 50.4

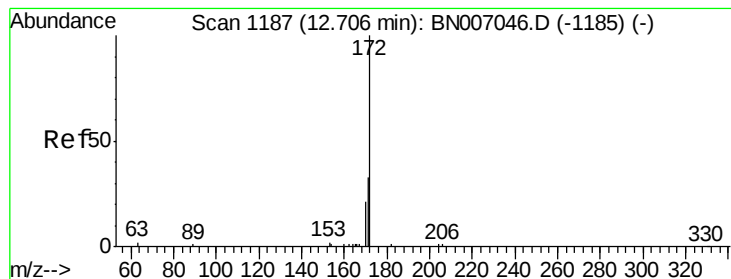


Abundance Ion 330.00 (329.70 to 330.70): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E





#14

2-Fluorobiphenyl

Concen: 0.213 ng

RT: 12.71 min Scan# 1187

Delta R.T. -0.00 min

Lab File: BN007062.D

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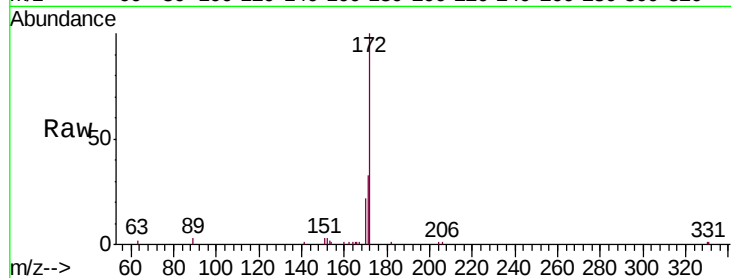
Tgt Ion:172 Resp: 5723

Ion Ratio Lower Upper

172 100

171 33.1 26.3 39.5

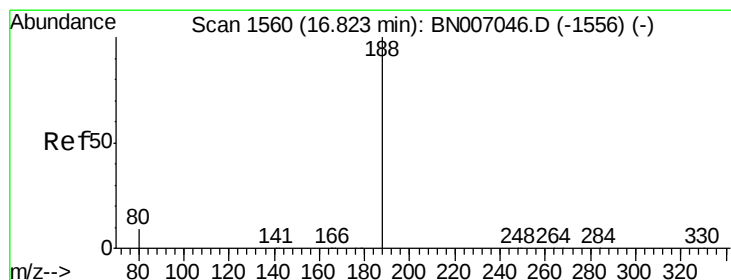
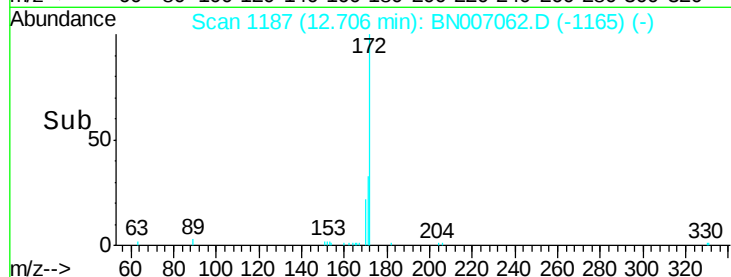
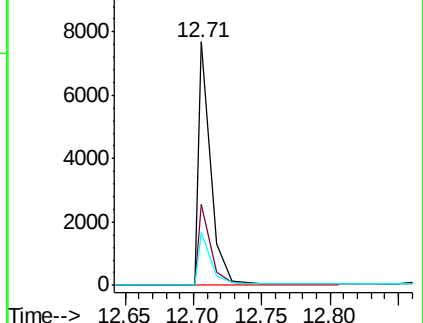
170 21.6 17.0 25.4



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: BN007062.D

Acq: 10 Aug 2019 23:34

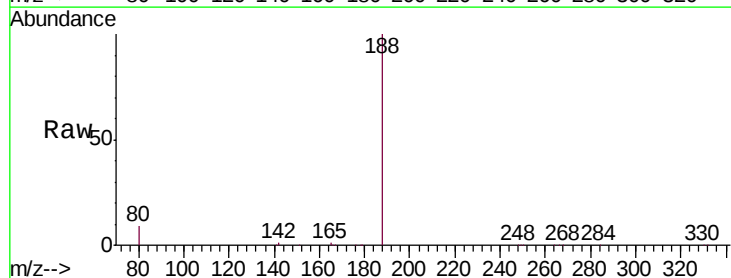
Tgt Ion:188 Resp: 45438

Ion Ratio Lower Upper

188 100

94 0.0 0.0 0.0

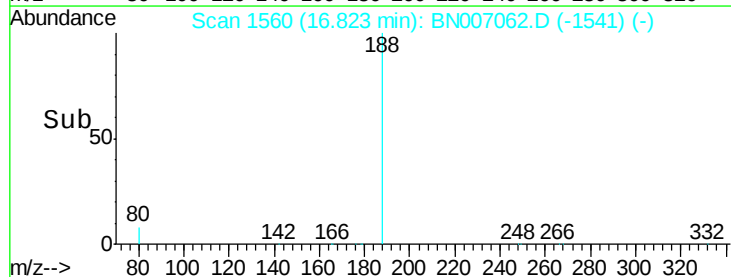
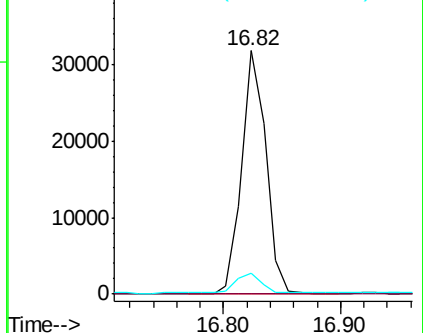
80 8.8 7.8 11.6

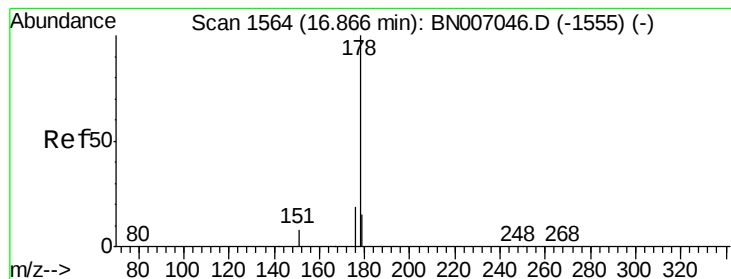


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BNC

Ion 80.00 (79.70 to 80.70): BNC





#22

Phenanthrene

Concen: 0.050 ng

RT: 16.87 min Scan# 1564

Delta R.T. -0.00 min

Lab File: BN007062.D

Acq: 10 Aug 2019 23:34

Instrument :

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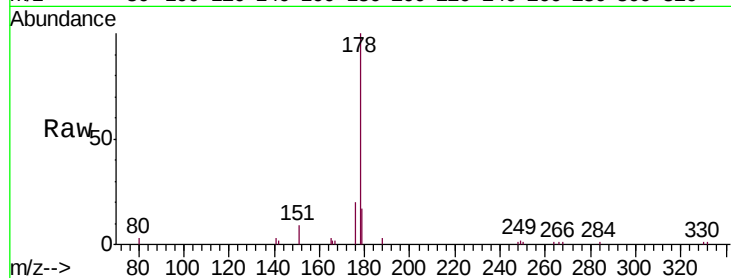
Tgt Ion:178 Resp: 6836

Ion Ratio Lower Upper

178 100

176 18.7 15.2 22.8

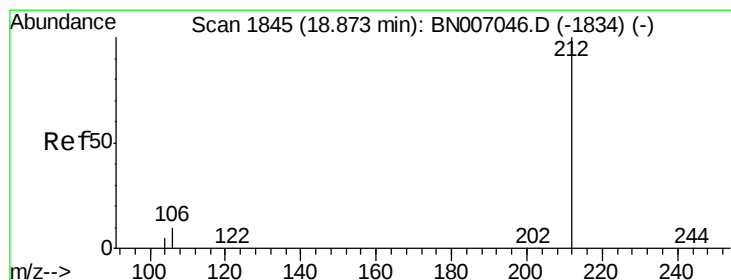
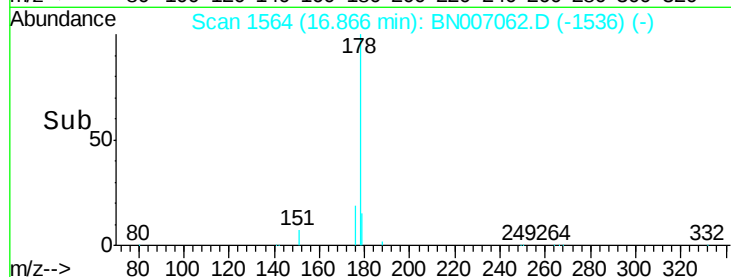
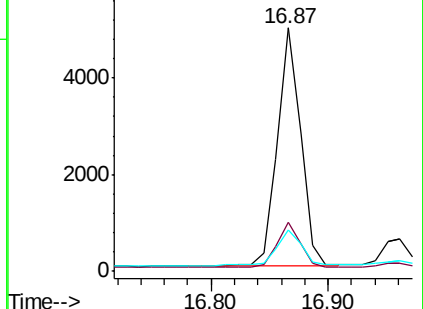
179 17.4 12.3 18.5



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: 0.197 ng

RT: 18.87 min Scan# 1844

Delta R.T. -0.01 min

Lab File: BN007062.D

Acq: 10 Aug 2019 23:34

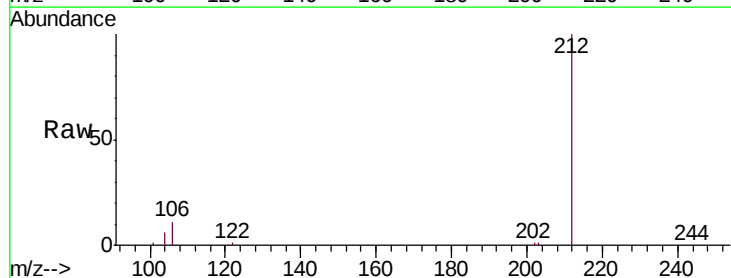
Tgt Ion:212 Resp: 31682

Ion Ratio Lower Upper

212 100

106 10.2 8.2 12.2

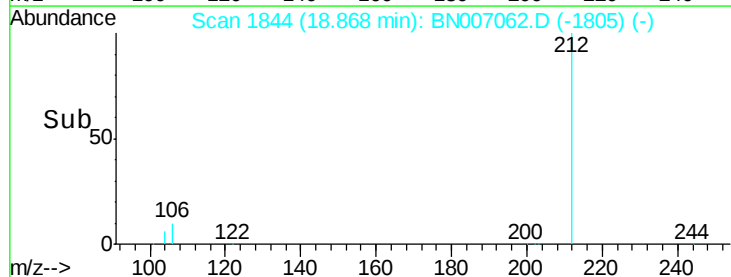
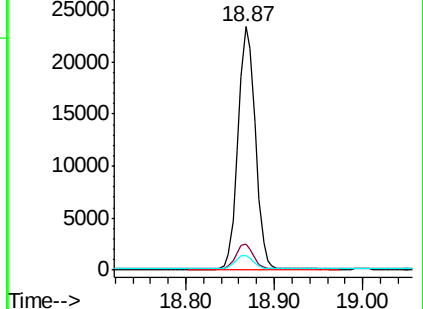
104 5.8 4.5 6.7

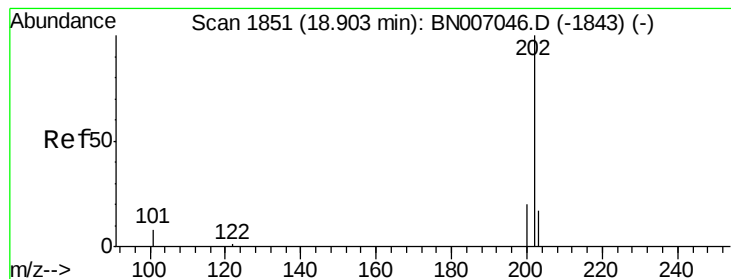


Abundance Ion 212.00 (211.70 to 212.70): E

Ion 106.00 (105.70 to 106.70): E

Ion 104.00 (103.70 to 104.70): E





#25

Fluoranthene

Concen: 0.046 ng

RT: 18.90 min Scan# 1850

Delta R.T. -0.01 min

Lab File: BN007062.D

Acq: 10 Aug 2019 23:34

Instrument :

BNA_N

ClientSampleId :

PST-034-SW110-080519

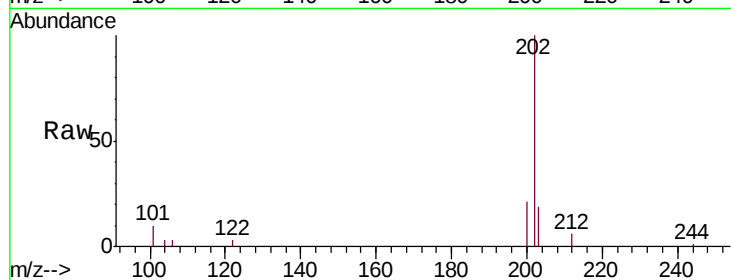
Tgt Ion:202 Resp: 8055

Ion Ratio Lower Upper

202 100

101 9.0 7.0 10.4

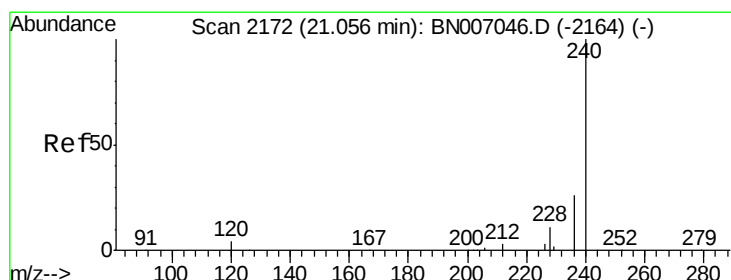
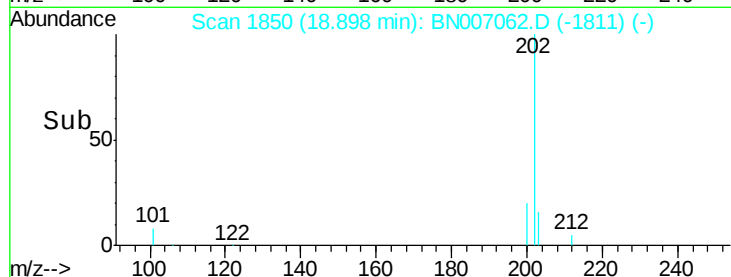
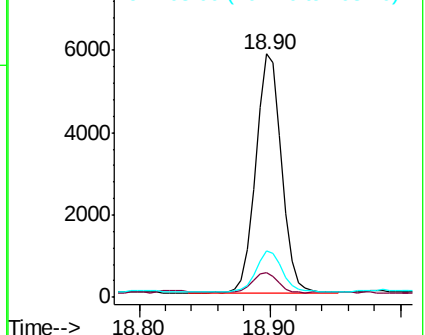
203 17.7 13.8 20.8



Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E



#26

Chrysene-d12

Concen: 0.400 ng

RT: 21.05 min Scan# 2171

Delta R.T. -0.01 min

Lab File: BN007062.D

Acq: 10 Aug 2019 23:34

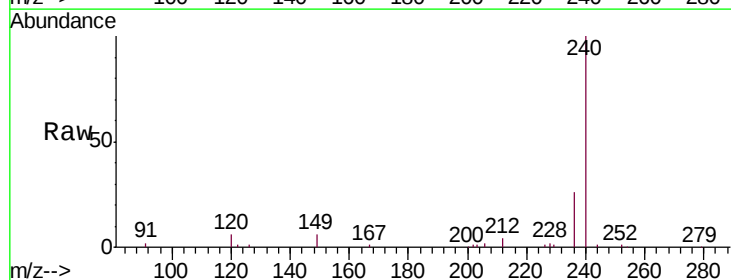
Tgt Ion:240 Resp: 47310

Ion Ratio Lower Upper

240 100

120 5.9 4.0 6.0

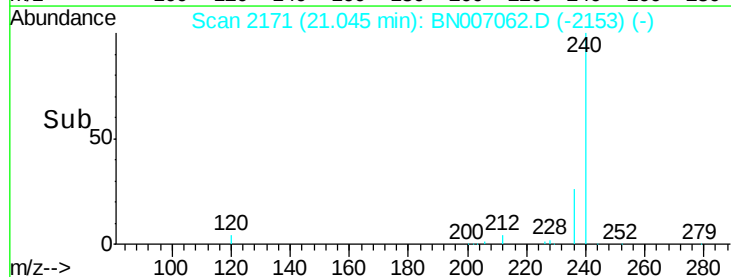
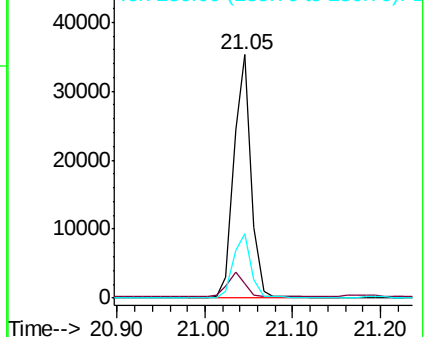
236 26.4 21.3 31.9

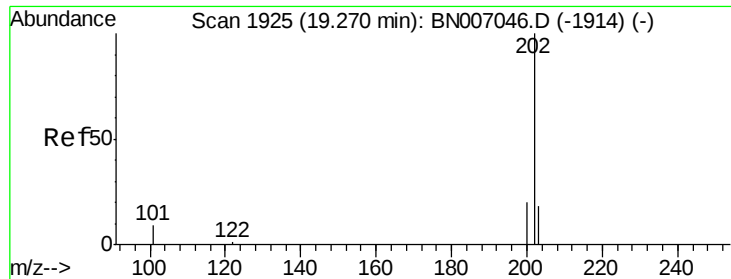


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

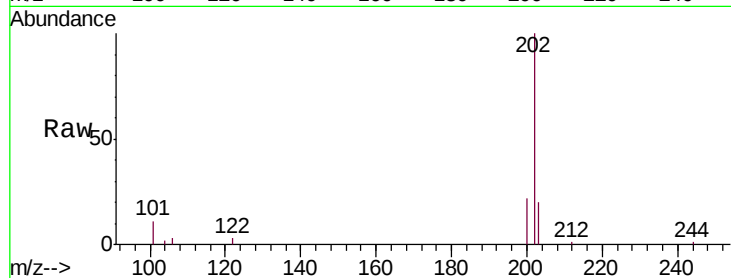




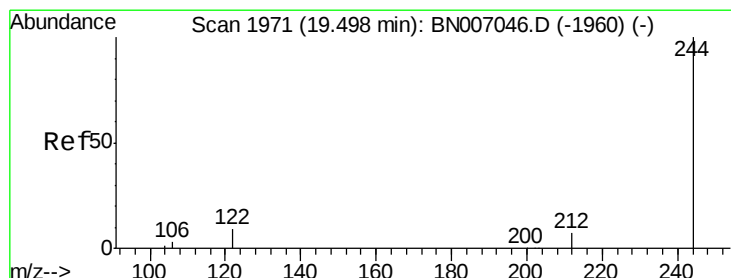
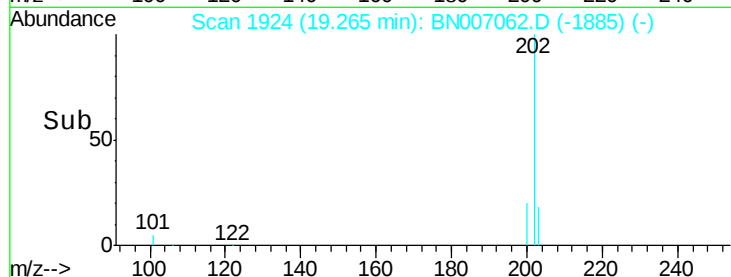
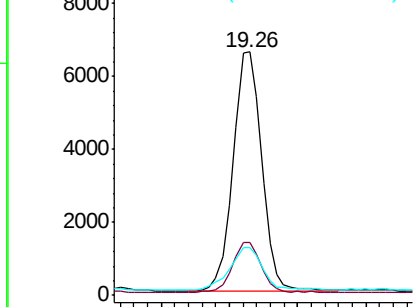
#27
 Pyrene
 Concen: 0.057 ng
 RT: 19.26 min Scan# 1924
 Delta R.T. -0.01 min
 Lab File: BN007062.D
 Acq: 10 Aug 2019 23:34

Instrument :
 BNA_N
 ClientSampleId :
 PST-034-SW110-080519

Tgt Ion: 202 Resp: 9502
 Ion Ratio Lower Upper
 202 100
 200 21.3 16.6 24.8
 203 20.6 14.0 21.0

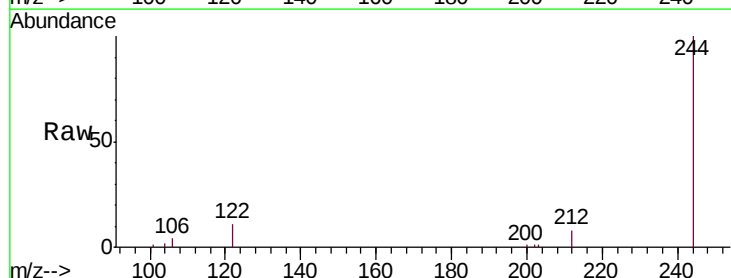


Abundance Ion 202.00 (201.70 to 202.70): E
 Ion 200.00 (199.70 to 200.70): E
 Ion 203.00 (202.70 to 203.70): E

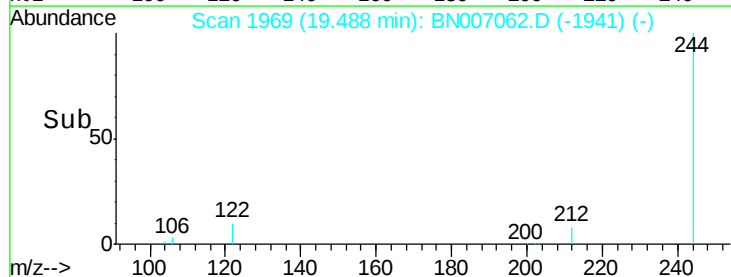
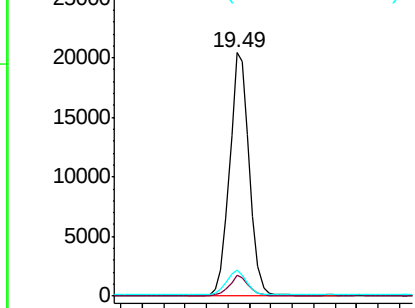


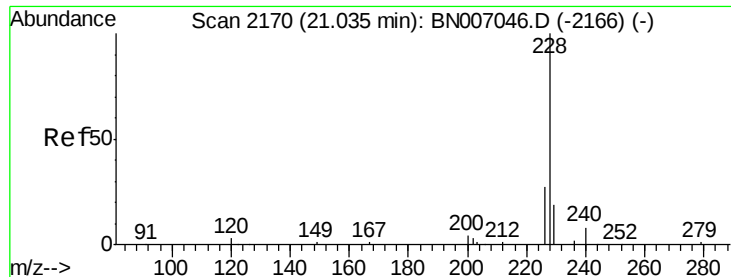
#28
 Terphenyl-d14
 Concen: 0.199 ng
 RT: 19.49 min Scan# 1969
 Delta R.T. -0.01 min
 Lab File: BN007062.D
 Acq: 10 Aug 2019 23:34

Tgt Ion: 244 Resp: 25715
 Ion Ratio Lower Upper
 244 100
 212 8.3 6.2 9.2
 122 10.8 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: 0.025 ng

RT: 21.02 min Scan# 2169

Delta R.T. -0.01 min

Lab File: BN007062.D

Acq: 10 Aug 2019 23:34

Instrument :

BNA_N

ClientSampleId :

PST-034-SW110-080519

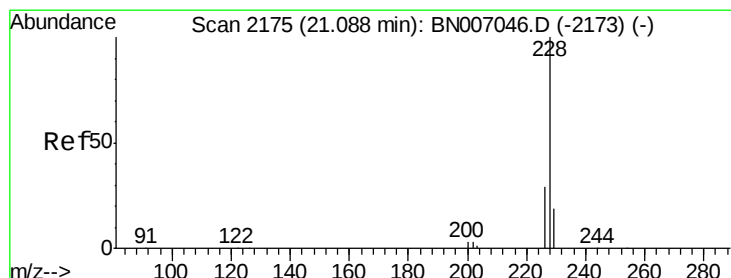
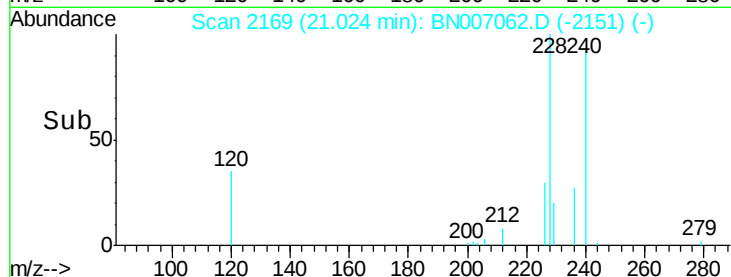
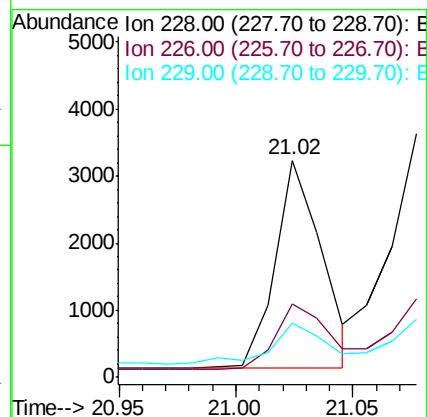
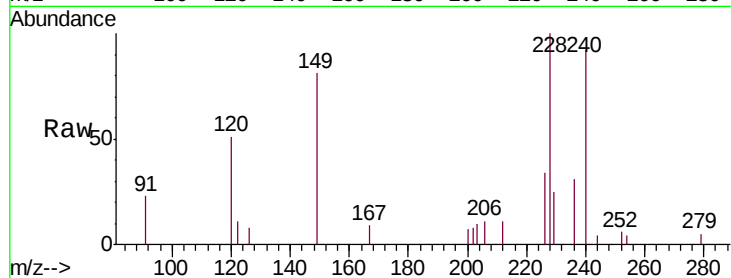
Tgt Ion:228 Resp: 4317

Ion Ratio Lower Upper

228 100

226 33.7 21.8 32.6#

229 24.7 15.6 23.4#



#30

Chrysene

Concen: 0.031 ng

RT: 21.08 min Scan# 2174

Delta R.T. -0.01 min

Lab File: BN007062.D

Acq: 10 Aug 2019 23:34

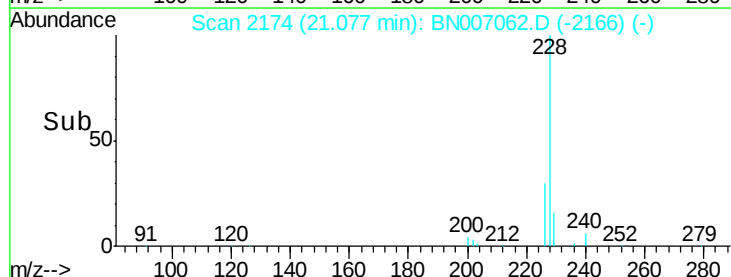
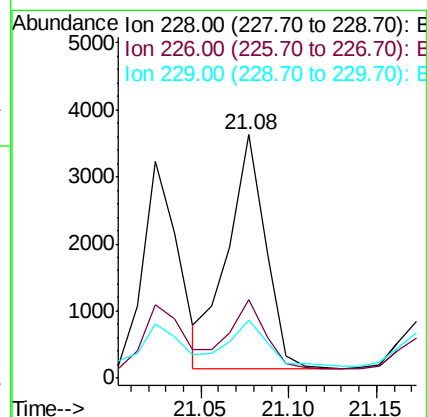
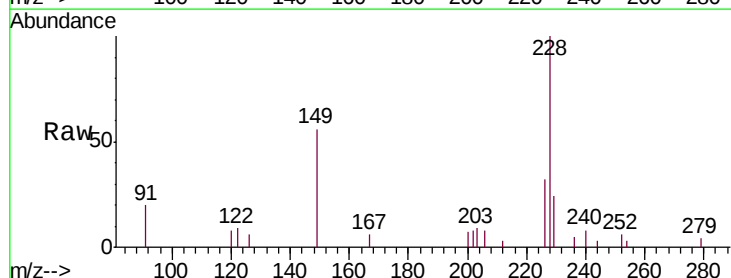
Tgt Ion:228 Resp: 5162

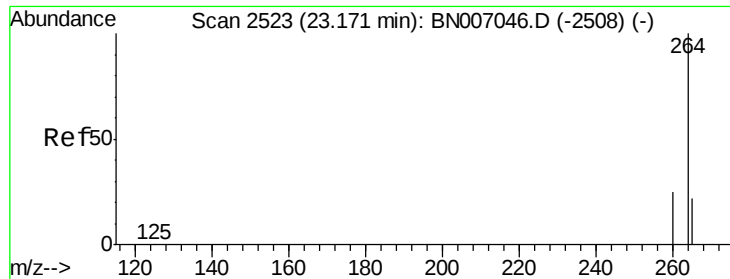
Ion Ratio Lower Upper

228 100

226 32.3 23.8 35.6

229 23.7 15.7 23.5#

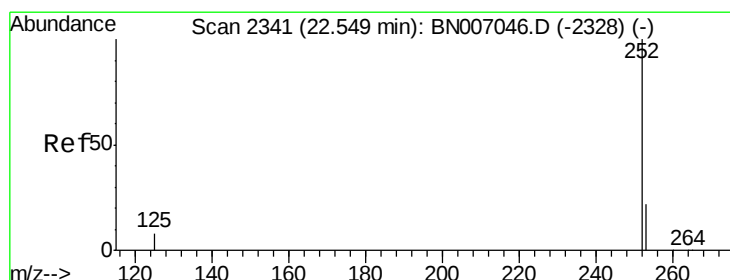
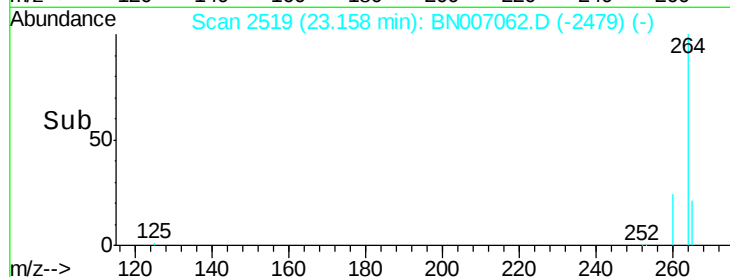
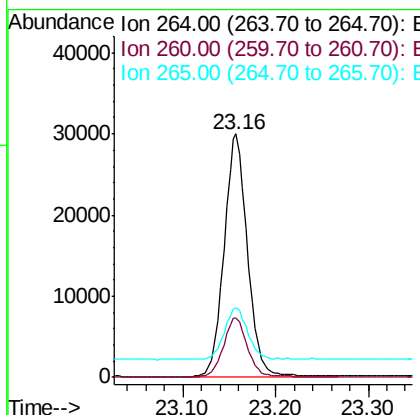
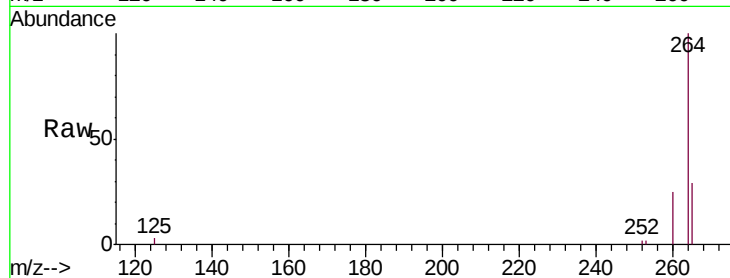




#32
 Perylene-d12
 Concen: 0.400 ng
 RT: 23.16 min Scan# 2519
 Delta R.T. -0.01 min
 Lab File: BN007062.D
 Acq: 10 Aug 2019 23:34

Instrument :
 BNA_N
 ClientSampleId :
 PST-034-SW110-080519

Tgt Ion: 264 Resp: 52665
 Ion Ratio Lower Upper
 264 100
 260 24.6 19.8 29.8
 265 28.6 26.2 39.4



#33
 Benzo(b)fluoranthene
 Concen: 0.028 ng
 RT: 22.54 min Scan# 2338
 Delta R.T. -0.01 min
 Lab File: BN007062.D
 Acq: 10 Aug 2019 23:34

Tgt Ion: 252 Resp: 5051
 Ion Ratio Lower Upper
 252 100
 253 36.9 18.2 27.2#
 125 28.6 7.4 11.0#

