

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN082520\
 Data File : BN011639.D
 Acq On : 26 Aug 2020 05:51
 Operator : CG/JU
 Sample : L3737-04
 Misc :
 ALS Vial : 29 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 KY038PS038-200818

Quant Time: Aug 26 09:08:37 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\8270-SIM-BN082420.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Aug 25 03:31:11 2020
 Response via : Initial Calibration

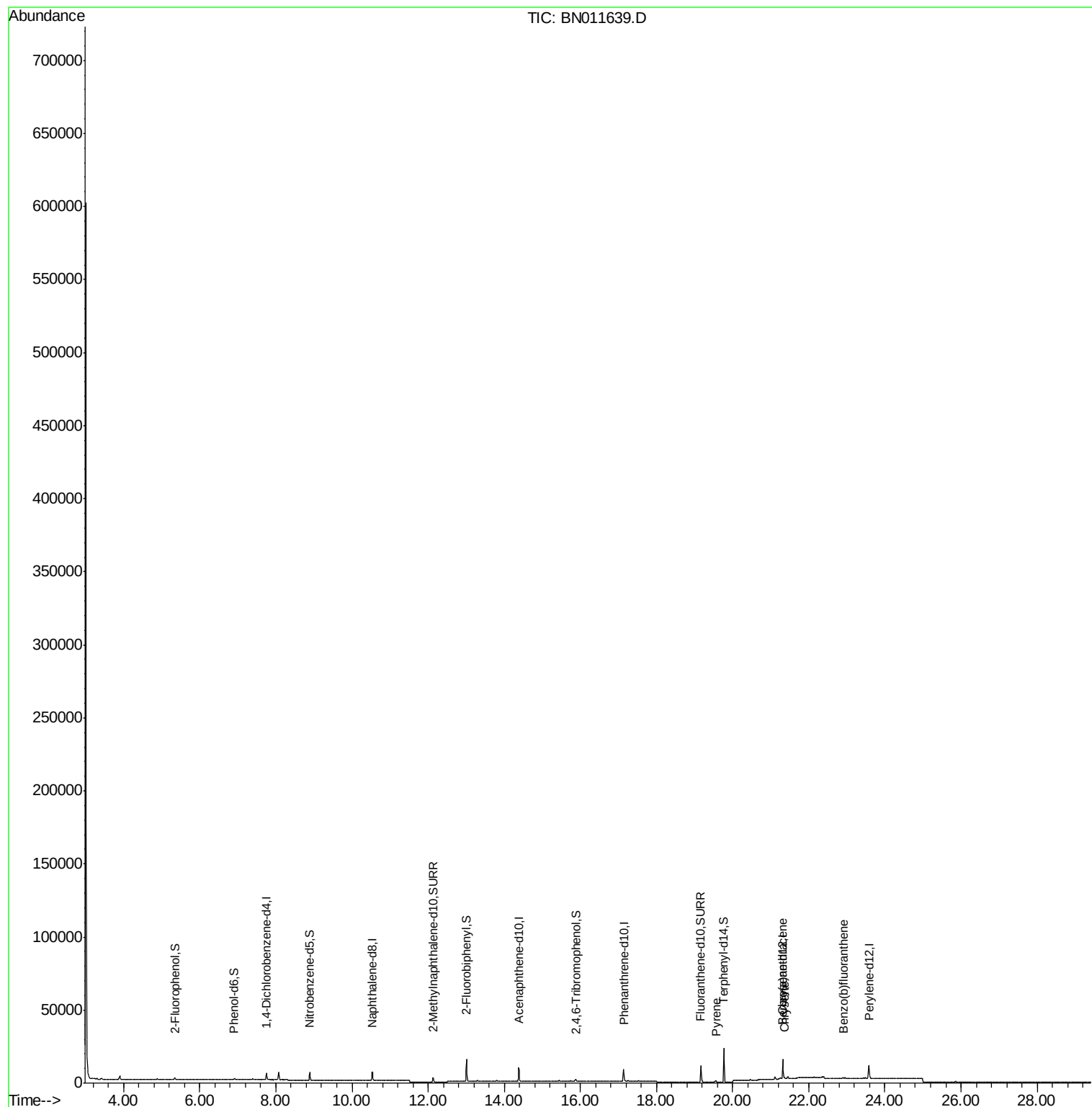
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.76	152	2251	0.40	ng	0.00
7) Naphthalene-d8	10.54	136	8915	0.40	ng	0.00
13) Acenaphthene-d10	14.38	164	5556	0.40	ng	-0.01
19) Phenanthrene-d10	17.14	188	12482	0.40	ng	0.00
29) Chrysene-d12	21.32	240	11413	0.40	ng	-0.01
36) Perylene-d12	23.58	264	12116	0.40	ng	-0.01
System Monitoring Compounds						
4) 2-Fluorophenol	5.35	112	1119	0.16	ng	0.00
5) Phenol-d6	6.91	99	871	0.09	ng	0.00
8) Nitrobenzene-d5	8.89	82	4213	0.55	ng	-0.01
11) 2-Methylnaphthalene-d10	12.13	152	4664	0.28	ng	0.00
14) 2,4,6-Tribromophenol	15.88	330	1086	0.36	ng	0.00
15) 2-Fluorobiphenyl	13.01	172	11910	0.55	ng	-0.01
27) Fluoranthene-d10	19.17	212	12600	0.31	ng	0.00
31) Terphenyl-d14	19.77	244	22370	0.77	ng	0.00
Target Compounds						
30) Pyrene	19.56	202	878	0.022	ng	# 94
32) Benzo(a)anthracene	21.31	228	874	0.021	ng	# 85
33) Chrysene	21.35	228	842	0.021	ng	# 86
37) Benzo(b)fluoranthene	22.90	252	888	0.020	ng	# 27

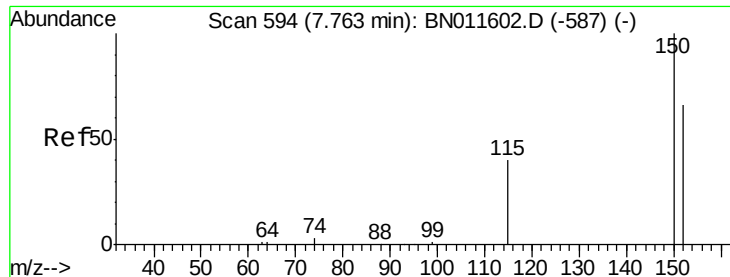
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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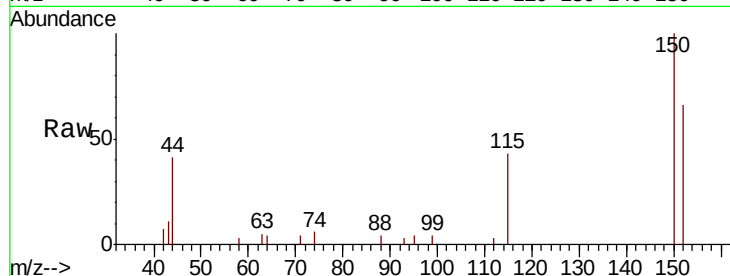


#1

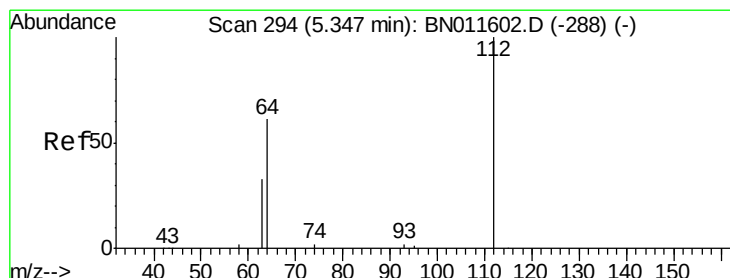
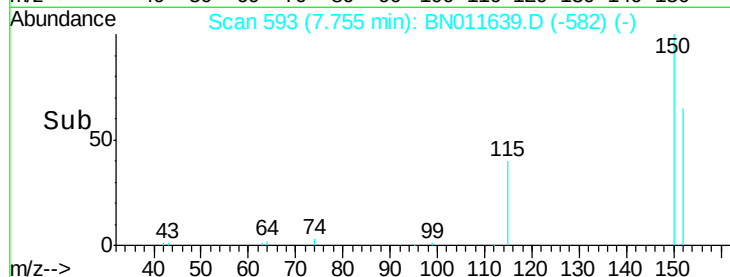
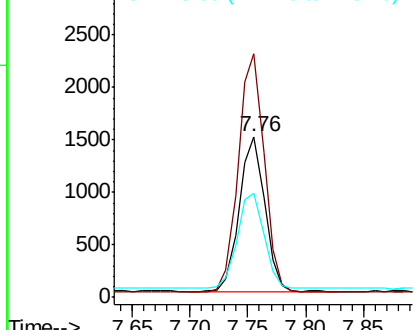
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.76 min Scan# 593
Delta R.T. -0.01 min
Lab File: BN011639.D
Acq: 26 Aug 2020 05:51

Instrument :
BNA_N
ClientSampleId :
KY038PS038-200818

Tot Ion:152 Resp: 2251
Ion Ratio Lower Upper
152 100
150 151.7 112.4 168.6
115 65.2 56.9 85.3



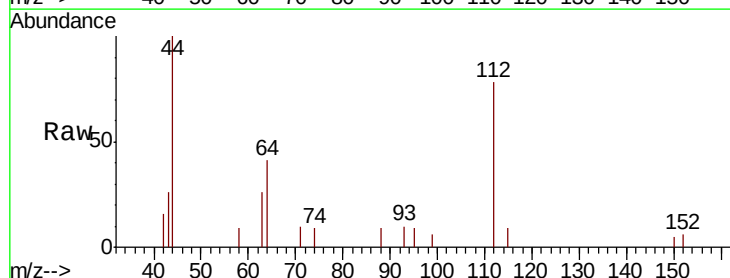
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



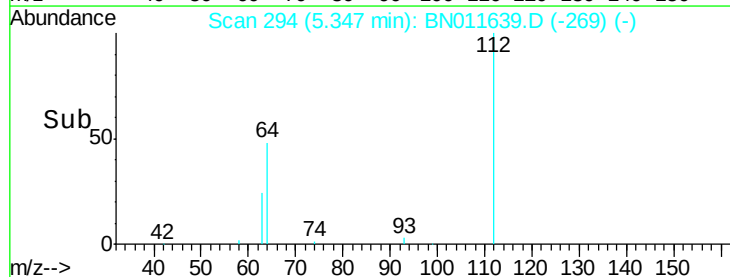
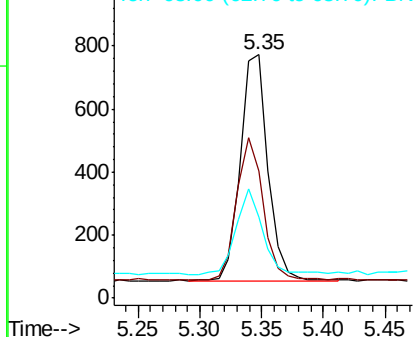
#4

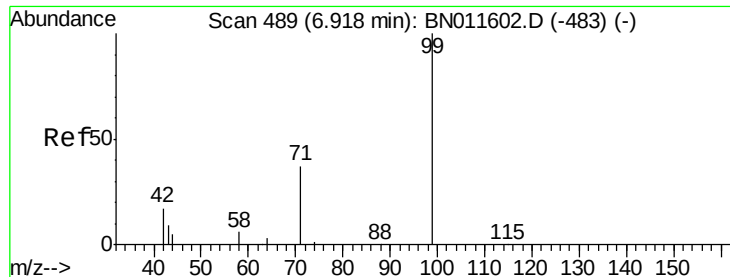
2-Fluorophenol
Concen: 0.155 ng
RT: 5.35 min Scan# 294
Delta R.T. -0.00 min
Lab File: BN011639.D
Acq: 26 Aug 2020 05:51

Tgt Ion:112 Resp: 1119
Ion Ratio Lower Upper
112 100
64 60.1 49.6 74.4
63 36.1 26.4 39.6



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





#5

Phenol-d6

Concen: 0.086 ng

RT: 6.91 min Scan# 488

Delta R.T. -0.01 min

Lab File: BN011639.D

Acq: 26 Aug 2020 05:51

Instrument :

BNA_N

ClientSampleId :

KY038PS038-200818

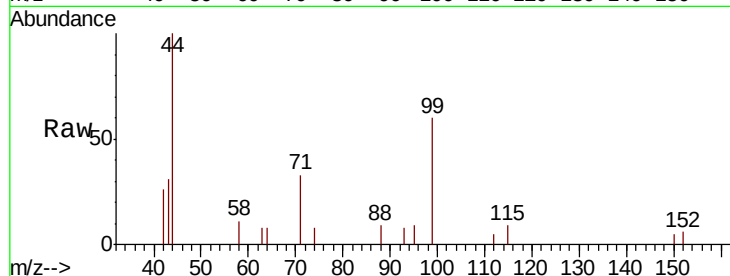
Tot Ion: 99 Resp: 871

Ion Ratio Lower Upper

99 100

42 24.9 0.0 0.0#

71 42.7 0.0 0.0#



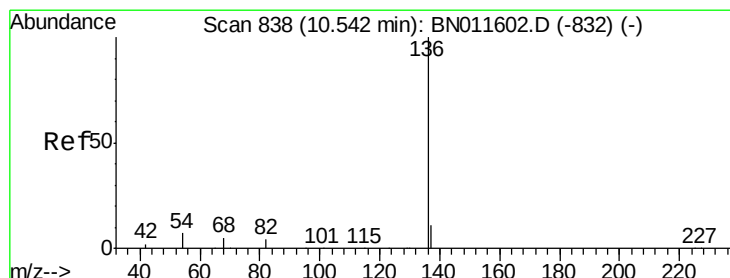
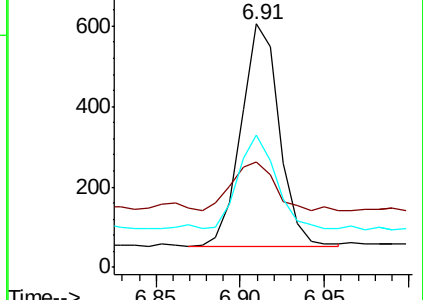
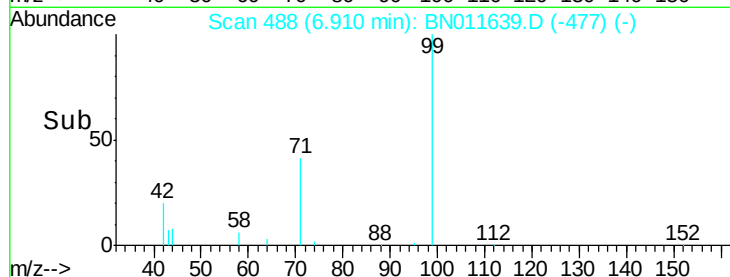
Abundance Ion 99.00 (98.70 to 99.70): BN011639.D (-483) (-)

Ion 42.00 (41.70 to 42.70): BN011639.D (-483) (-)

Ion 71.00 (70.70 to 71.70): BN011639.D (-483) (-)

6.91

6.85 6.90 6.95



#7

Naphthalene-d8

Concen: 0.400 ng

RT: 10.54 min Scan# 838

Delta R.T. -0.00 min

Lab File: BN011639.D

Acq: 26 Aug 2020 05:51

Tgt Ion: 136 Resp: 8915

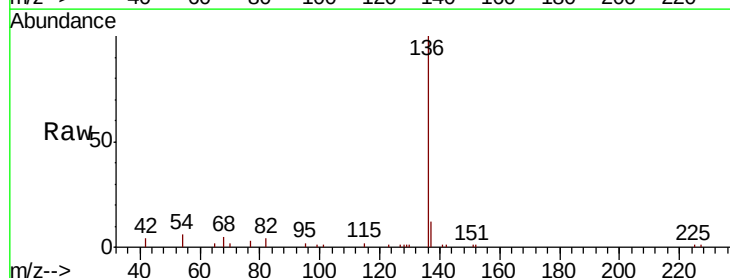
Ion Ratio Lower Upper

136 100

137 11.6 11.5 17.3

54 5.9 11.9 17.9#

68 4.7 12.3 18.5#



Abundance Ion 136.00 (135.70 to 136.70): BN011639.D (-832) (-)

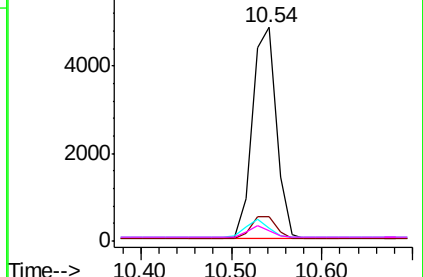
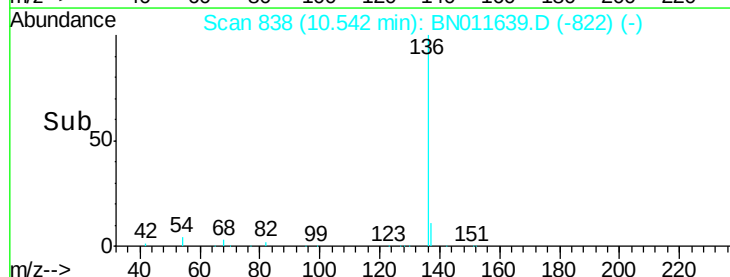
Ion 137.00 (136.70 to 137.70): BN011639.D (-832) (-)

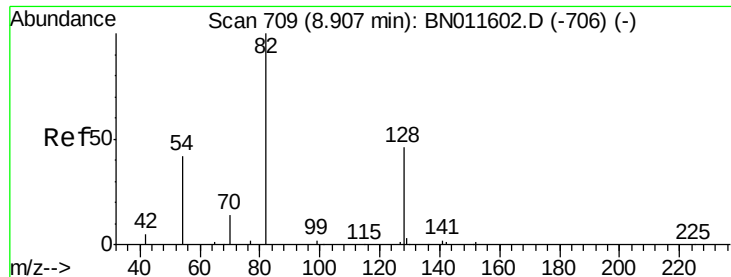
Ion 54.00 (53.70 to 54.70): BN011639.D (-832) (-)

Ion 68.00 (67.70 to 68.70): BN011639.D (-832) (-)

10.54

10.40 10.50 10.60

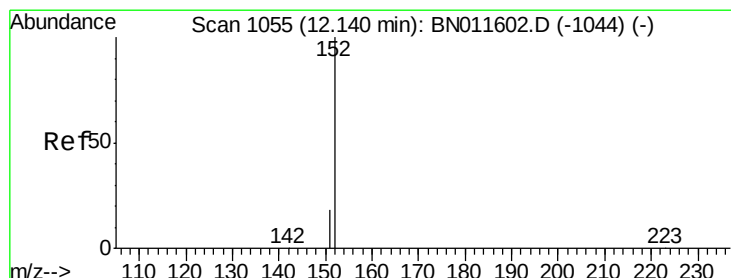
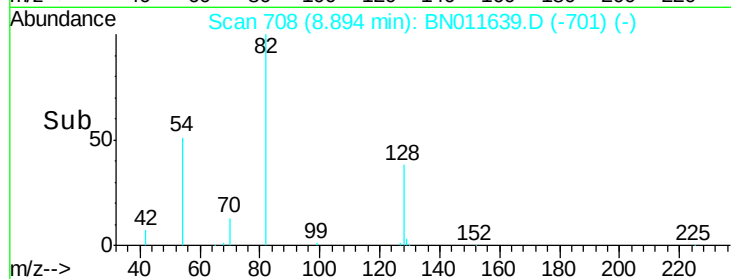
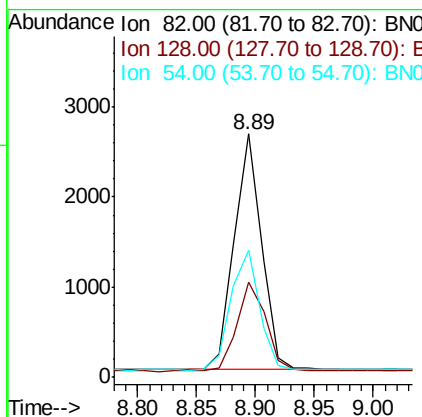
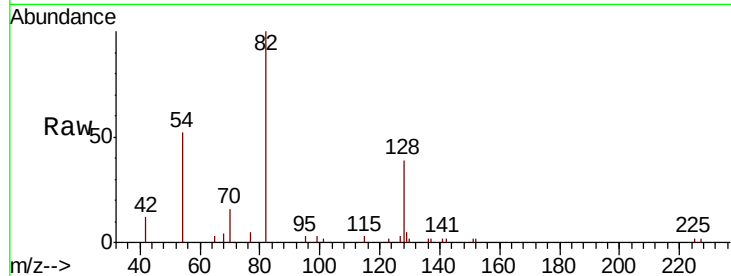




#8
 Nitrobenzene-d5
 Concen: 0.546 ng
 RT: 8.89 min Scan# 708
 Delta R.T. -0.01 min
 Lab File: BN011639.D
 Acq: 26 Aug 2020 05:51

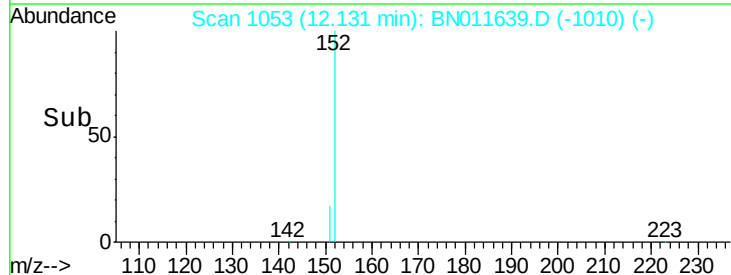
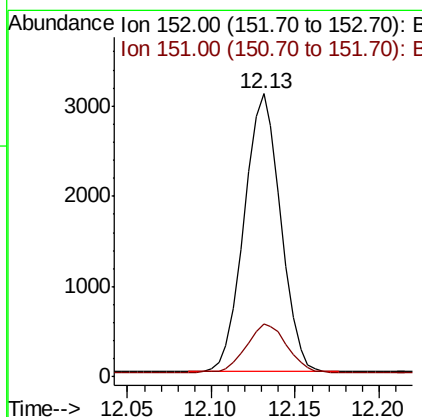
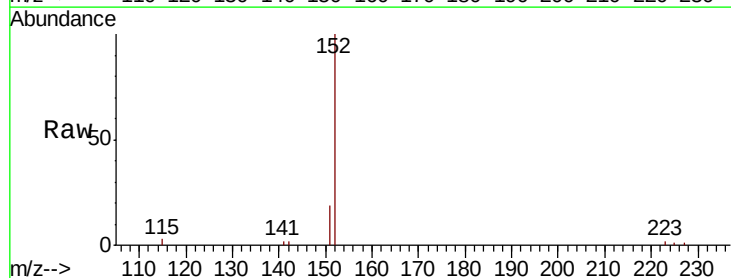
Instrument :
 BNA_N
 ClientSampleId :
 KY038PS038-200818

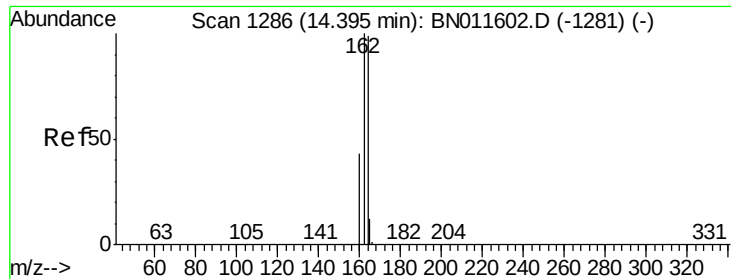
Tot Ion:	82	Resp:	4213
Ion	Ratio	Lower	Upper
82	100		
128	39.1	31.1	46.7
54	52.2	37.1	55.7



#11
 2-Methylnaphthalene-d10
 Concen: 0.276 ng
 RT: 12.13 min Scan# 1053
 Delta R.T. -0.01 min
 Lab File: BN011639.D
 Acq: 26 Aug 2020 05:51

Tgt Ion:	152	Resp:	4664
Ion	Ratio	Lower	Upper
152	100		
151	19.5	16.4	24.6





#13

Acenaphthene-d10

Concen: 0.400 ng

RT: 14.38 min Scan# 1285

Delta R.T. -0.01 min

Lab File: BN011639.D

Acq: 26 Aug 2020 05:51

Instrument :

BNA_N

ClientSampleId :

KY038PS038-200818

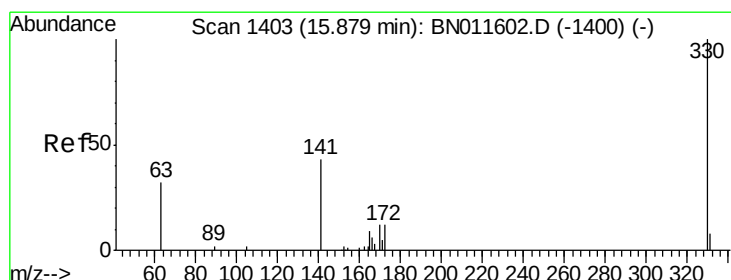
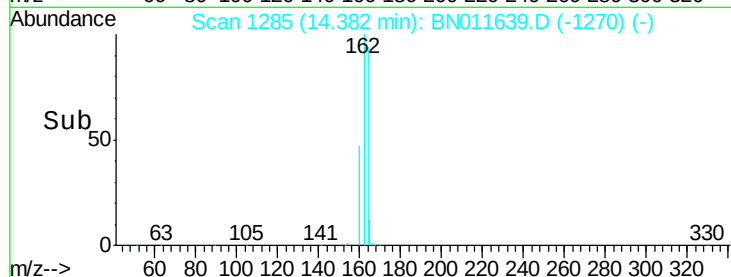
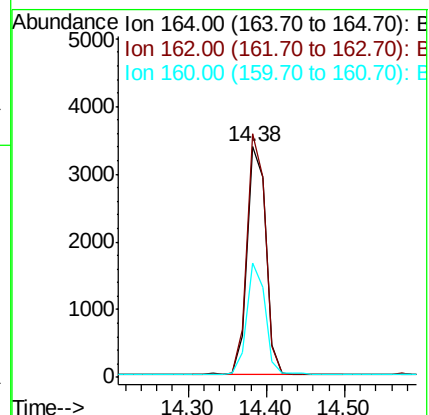
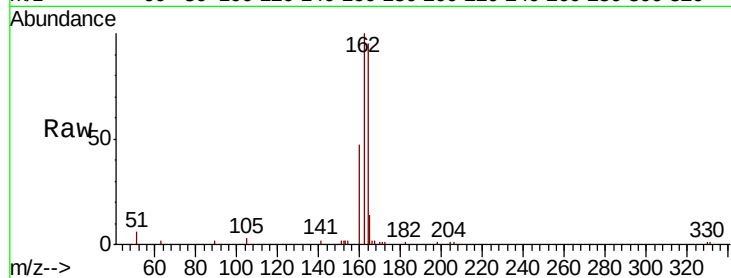
Tot Ion:164 Resp: 5556

Ion Ratio Lower Upper

164 100

162 105.7 80.8 121.2

160 49.9 35.6 53.4



#14

2,4,6-Tribromophenol

Concen: 0.356 ng

RT: 15.88 min Scan# 1403

Delta R.T. -0.00 min

Lab File: BN011639.D

Acq: 26 Aug 2020 05:51

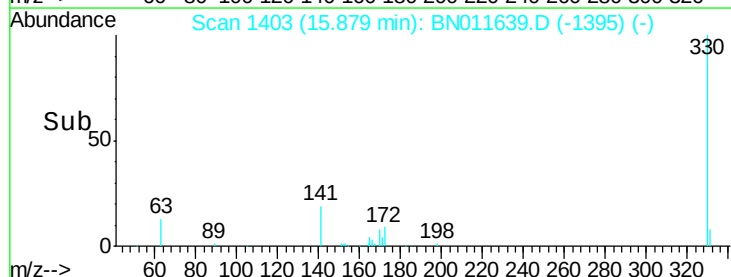
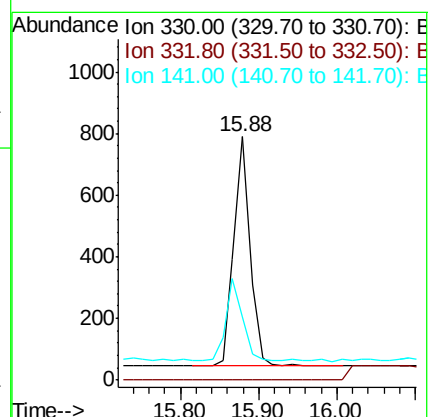
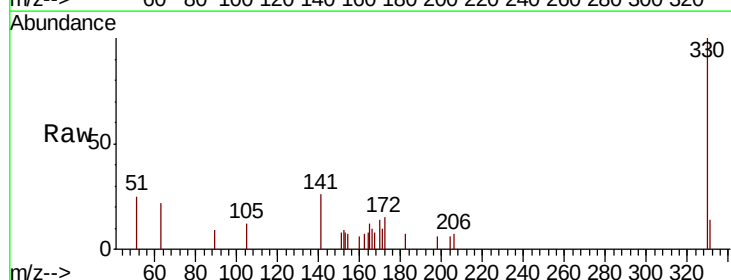
Tgt Ion:330 Resp: 1086

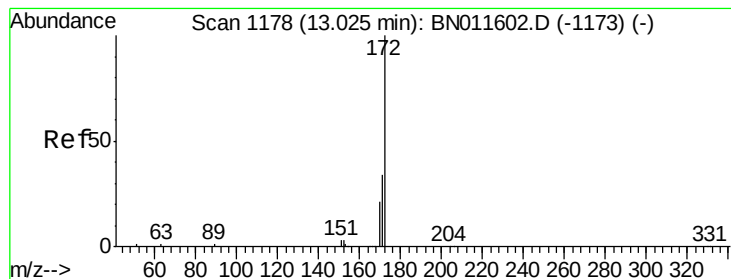
Ion Ratio Lower Upper

330 100

332 0.0 0.0 0.0

141 36.6 29.4 44.2





#15

2-Fluorobiphenyl

Concen: 0.551 ng

RT: 13.01 min Scan# 1177

Delta R.T. -0.01 min

Lab File: BN011639.D

Acq: 26 Aug 2020 05:51

Instrument :

BNA_N

ClientSampleId :

KY038PS038-200818

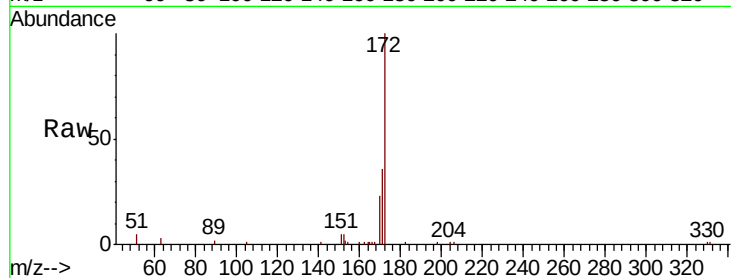
Tot Ion:172 Resp: 11910

Ion Ratio Lower Upper

172 100

171 35.6 28.6 42.8

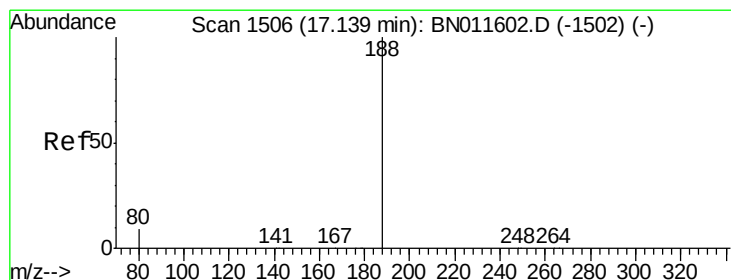
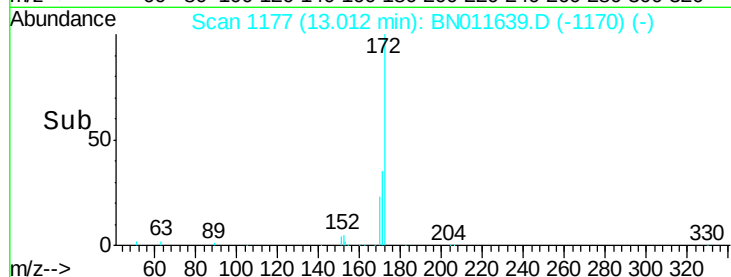
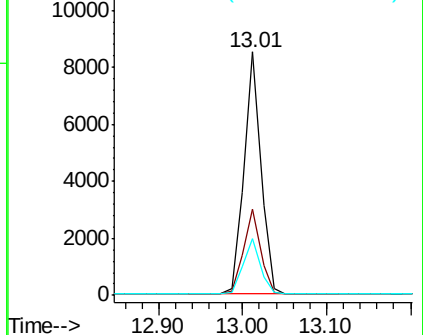
170 23.1 18.2 27.2



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



#19

Phenanthrene-d10

Concen: 0.400 ng

RT: 17.14 min Scan# 1506

Delta R.T. -0.00 min

Lab File: BN011639.D

Acq: 26 Aug 2020 05:51

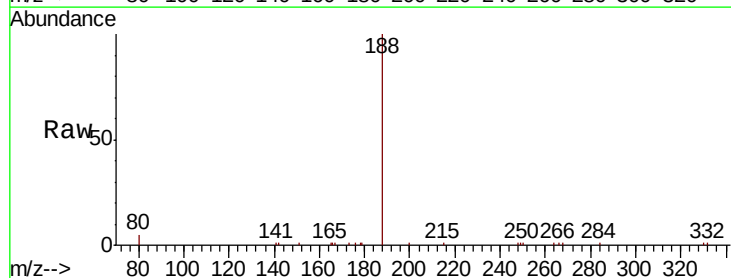
Tgt Ion:188 Resp: 12482

Ion Ratio Lower Upper

188 100

94 0.0 0.0 0.0

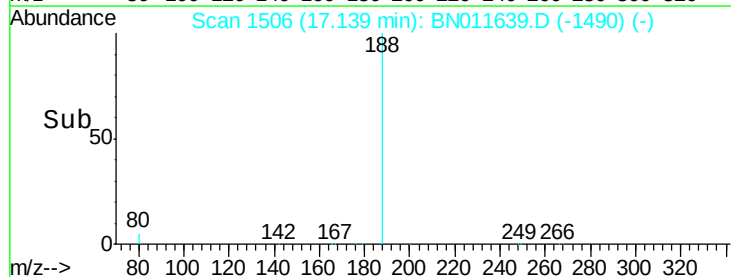
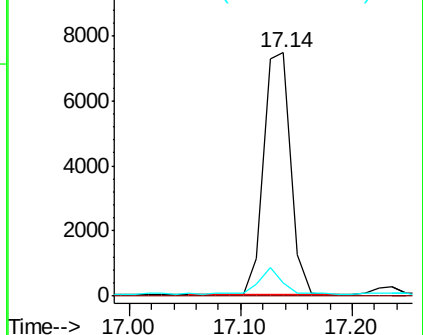
80 5.5 9.2 13.8#

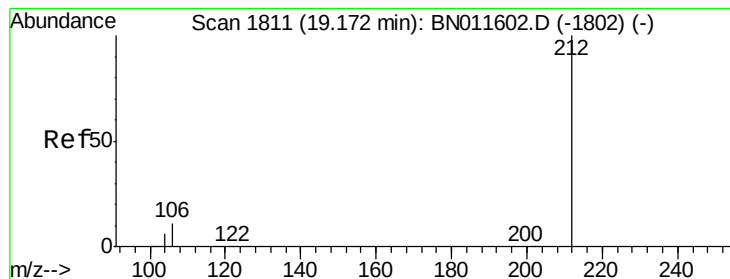


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BNC

Ion 80.00 (79.70 to 80.70): BNC





#27

Fluoranthene-d10

Concen: 0.310 ng

RT: 19.17 min Scan# 1810

Delta R.T. -0.01 min

Lab File: BN011639.D

Acq: 26 Aug 2020 05:51

Instrument :

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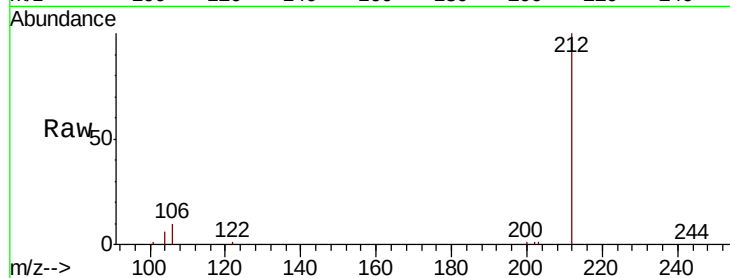
Tot Ion:212 Resp: 12600

Ion Ratio Lower Upper

212 100

106 9.8 8.9 13.3

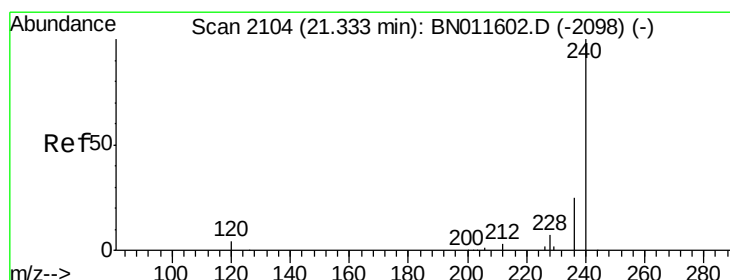
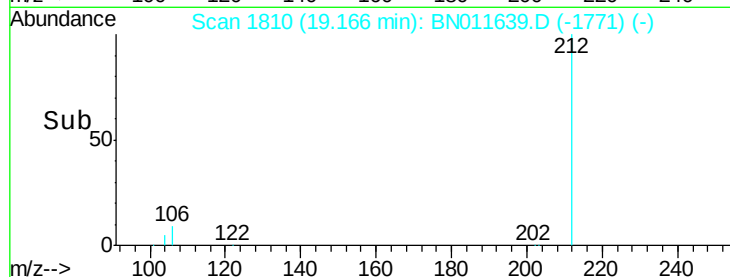
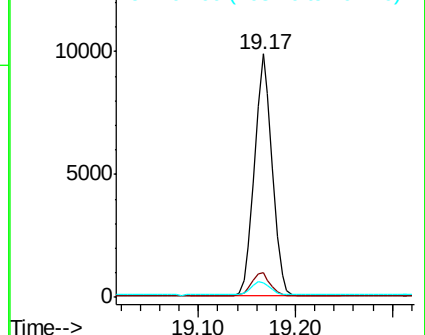
104 5.9 5.3 7.9



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



#29

Chrysene-d12

Concen: 0.400 ng

RT: 21.32 min Scan# 2103

Delta R.T. -0.01 min

Lab File: BN011639.D

Acq: 26 Aug 2020 05:51

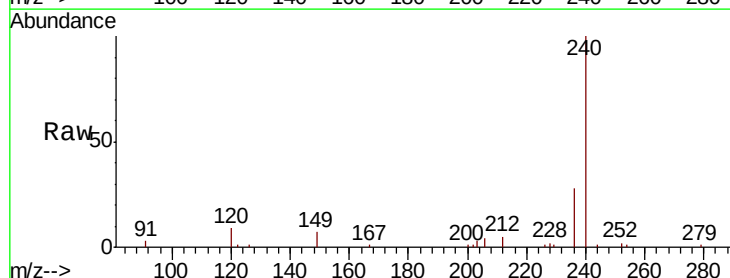
Tgt Ion:240 Resp: 11413

Ion Ratio Lower Upper

240 100

120 8.6 6.0 9.0

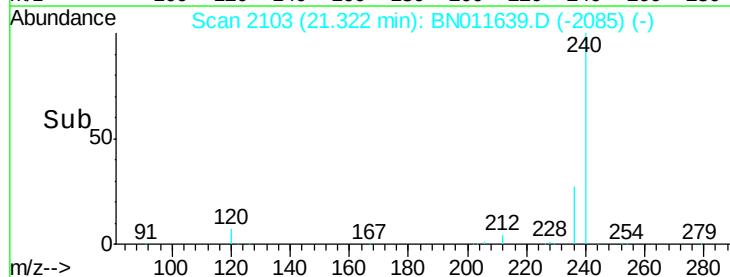
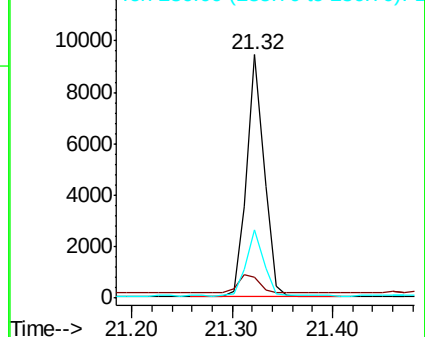
236 27.8 20.8 31.2

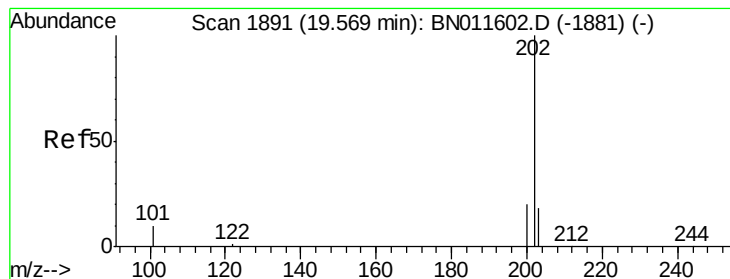


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#30

Pvrene

Concen: 0.022 ng

RT: 19.56 min Scan# 1889

Delta R.T. -0.01 min

Lab File: BN011639.D

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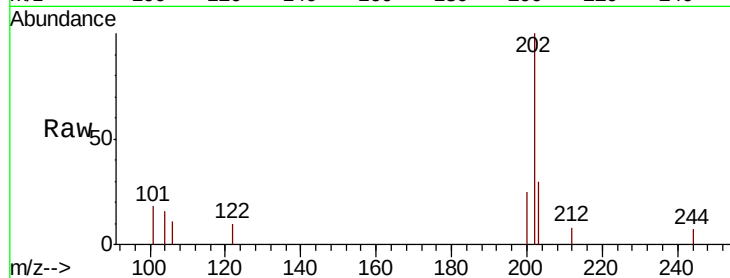
Tot Ion:202 Resp: 878

Ion Ratio Lower Upper

202 100

200 20.8 16.3 24.5

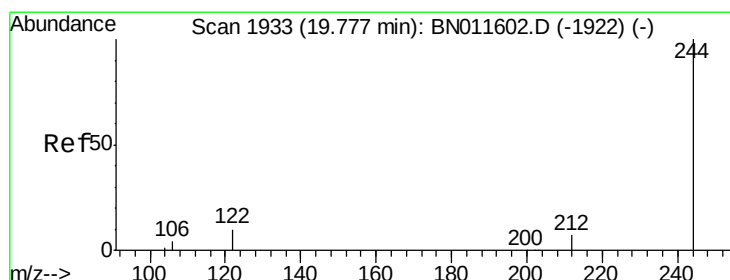
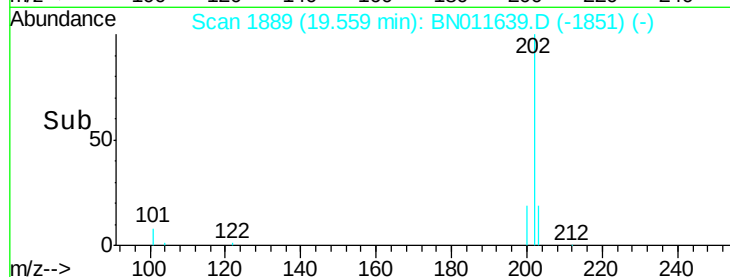
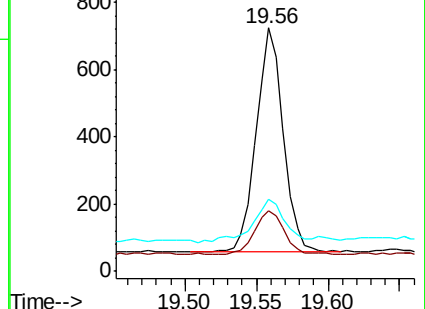
203 22.6 14.2 21.4#



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



#31

Terphenyl-d14

Concen: 0.767 ng

RT: 19.77 min Scan# 1932

Delta R.T. -0.01 min

Lab File: BN011639.D

Acq: 26 Aug 2020 05:51

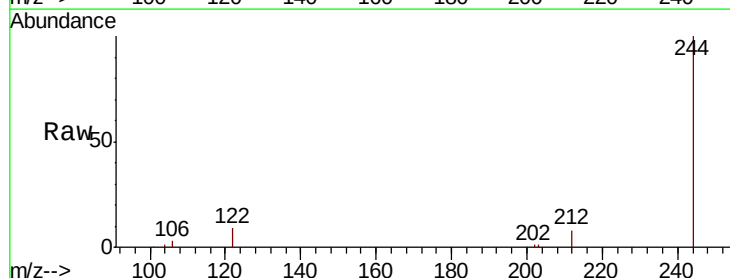
Tgt Ion:244 Resp: 22370

Ion Ratio Lower Upper

244 100

212 8.1 6.5 9.7

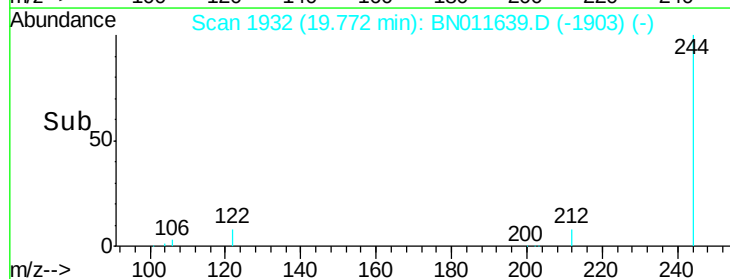
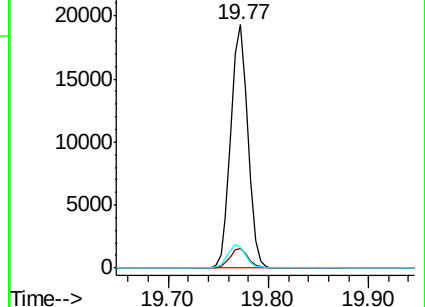
122 8.7 9.5 14.3#

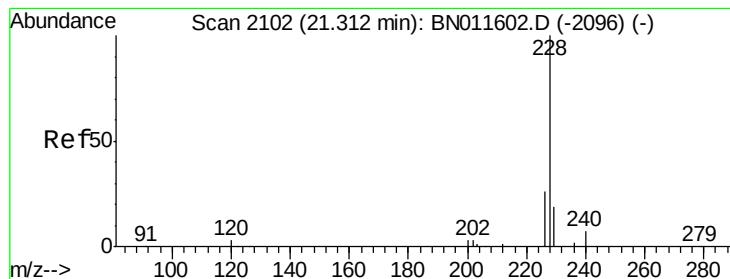


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#32

Benzo(a)anthracene

Concen: 0.021 ng

RT: 21.31 min Scan# 2102

Delta R.T. -0.00 min

Lab File: BN011639.D

Acq: 26 Aug 2020 05:51

Instrument :

BNA_N

ClientSampleId :

KY038PS038-200818

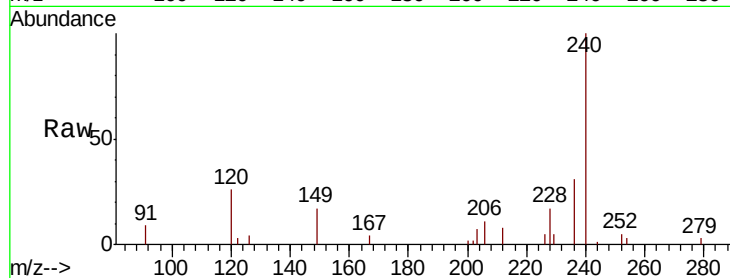
Tot Ion:228 Resp: 874

Ion Ratio Lower Upper

228 100

226 32.5 21.2 31.8#

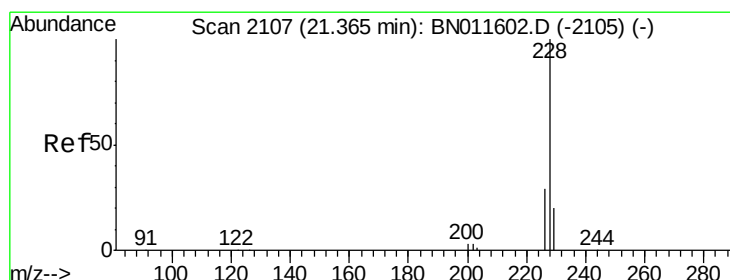
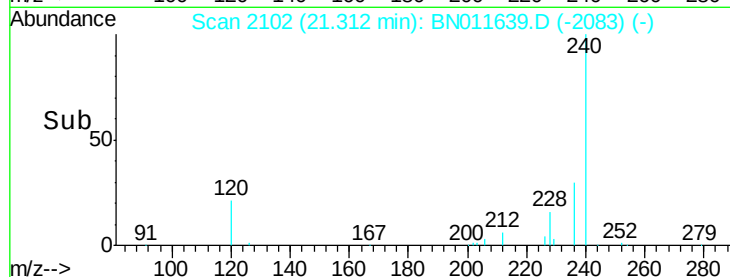
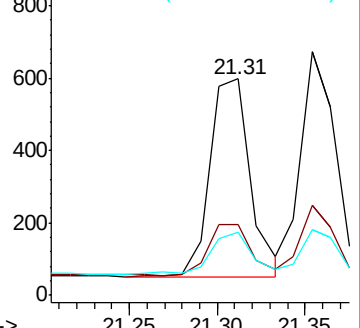
229 29.1 15.8 23.8#



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



#33

Chrysene

Concen: 0.021 ng

RT: 21.35 min Scan# 2106

Delta R.T. -0.01 min

Lab File: BN011639.D

Acq: 26 Aug 2020 05:51

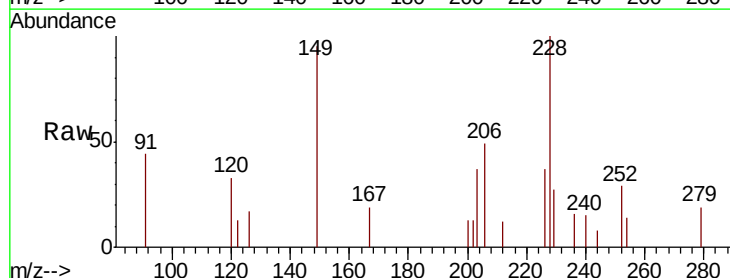
Tgt Ion:228 Resp: 842

Ion Ratio Lower Upper

228 100

226 36.8 23.6 35.4#

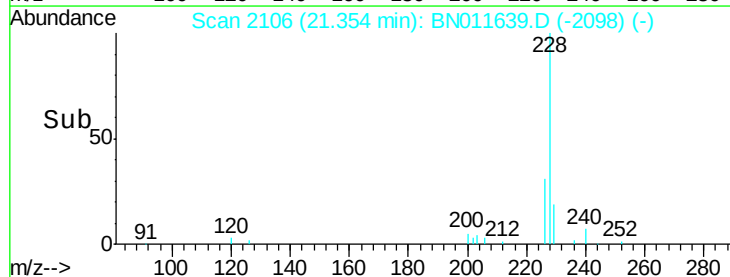
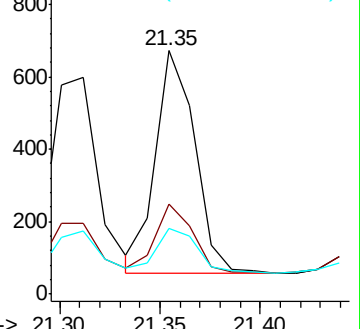
229 27.2 16.0 24.0#

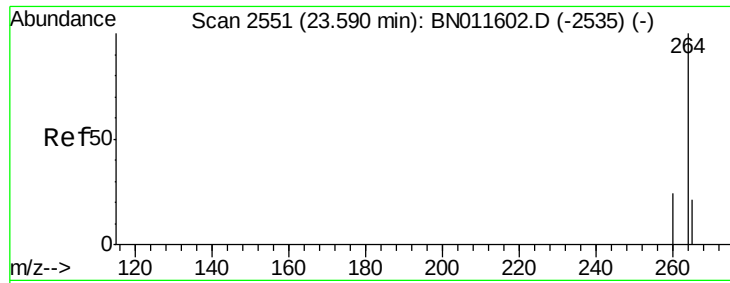


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

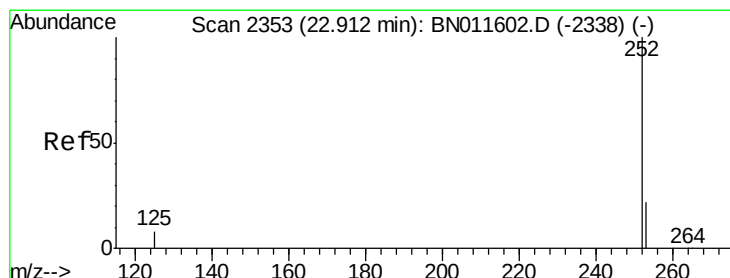
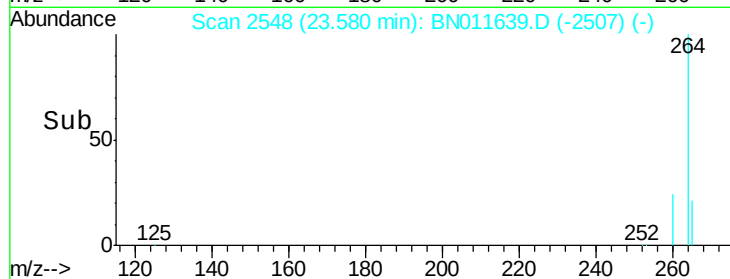
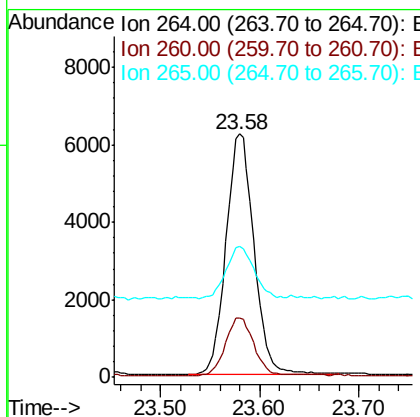
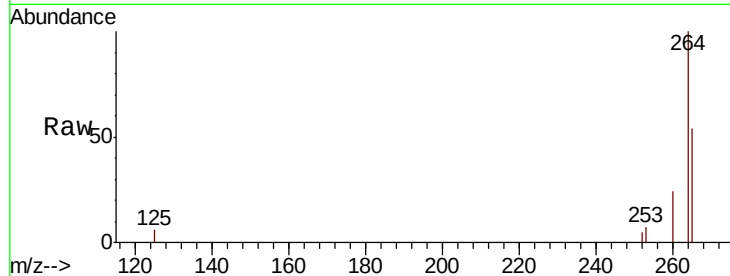




#36
 Pervlene-d12
 Concen: 0.400 ng
 RT: 23.58 min Scan# 2548
 Delta R.T. -0.01 min
 Lab File: BN011639.D
 Acq: 26 Aug 2020 05:51

Instrument :
 BNA_N
 ClientSampleId :
 KY038PS038-200818

Tot Ion:264 Resp: 12116
 Ion Ratio Lower Upper
 264 100
 260 24.2 19.6 29.4
 265 53.9 40.7 61.1



#37
 Benzo(b)fluoranthene
 Concen: 0.020 ng
 RT: 22.90 min Scan# 2350
 Delta R.T. -0.01 min
 Lab File: BN011639.D
 Acq: 26 Aug 2020 05:51

Tgt Ion:252 Resp: 888
 Ion Ratio Lower Upper
 252 100
 253 61.9 21.0 31.6#
 125 45.6 11.0 16.6#

