

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 07:04:43 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	R.T.	QIon	Response	Conc	Units	Dev(Min)
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

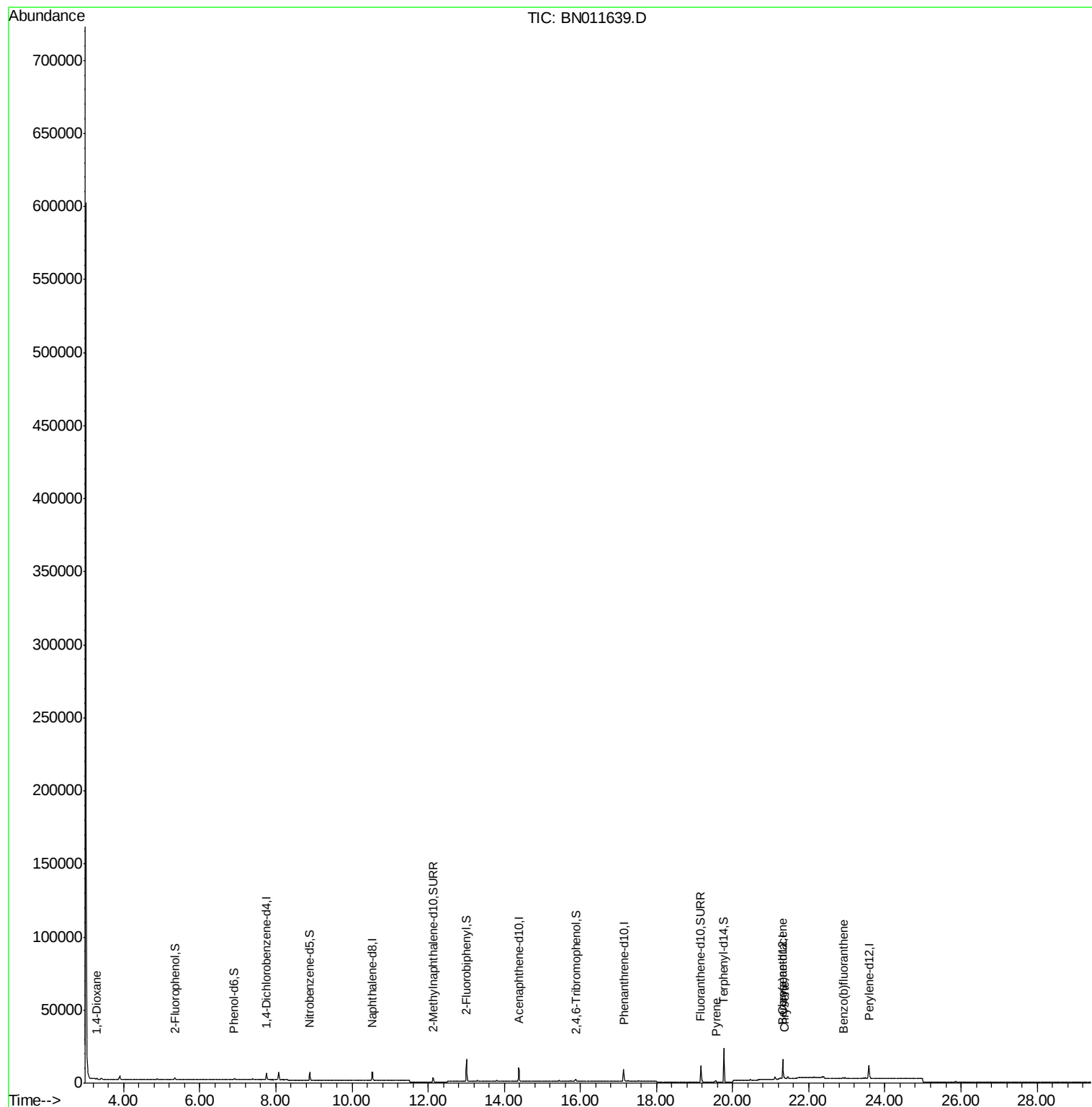
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) 1,4-Dioxane	3.30	88	96	0.027	ng	# 1
30) Pyrene	19.56	202	878	0.022	ng	# 94
32) Benzo(a)anthracene	21.31	228	874	0.021	ng	# 85
33) Chrysene	21.35	228	842	0.021	ng	# 86
34) Bis(2-ethylhexyl)phthalate	21.26	149	692	Below Cal		# 98
37) Benzo(b)fluoranthene	22.90	252	888	0.020	ng	# 27

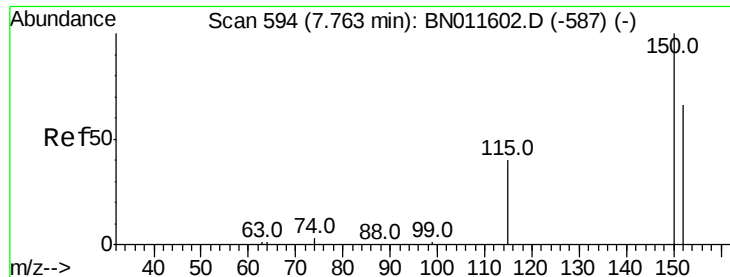
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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 :

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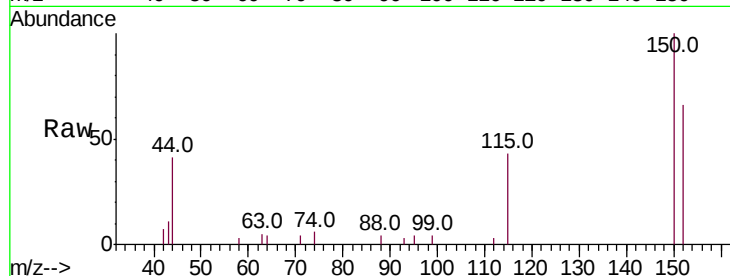
Tot Ion:152 Resp: 2251

Ion Ratio Lower Upper

152 100

150 151.7 112.4 168.6

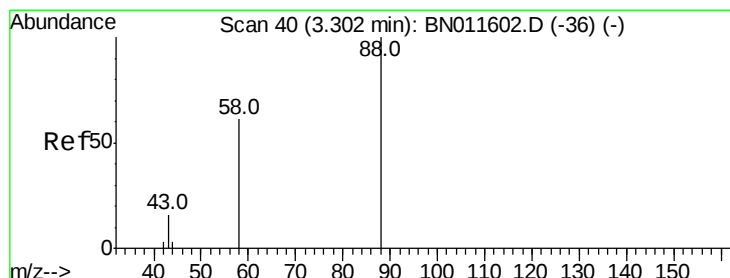
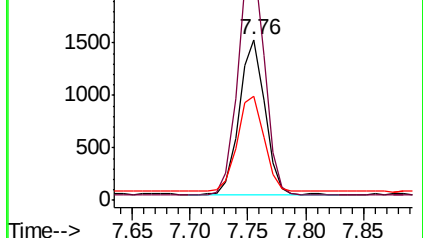
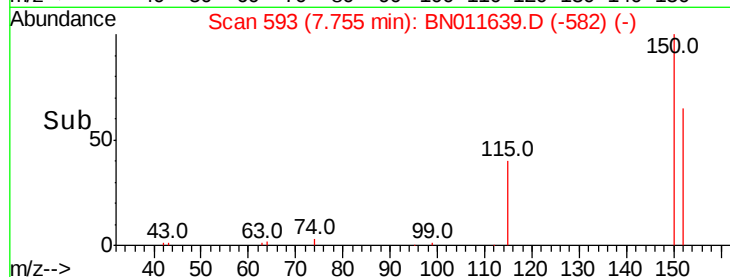
115 65.2 56.9 85.3



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



#2

1,4-Dioxane

Concen: 0.027 ng

RT: 3.30 min Scan# 40

Delta R.T. -0.00 min

Lab File: BN011639.D

Acq: 26 Aug 2020 05:51

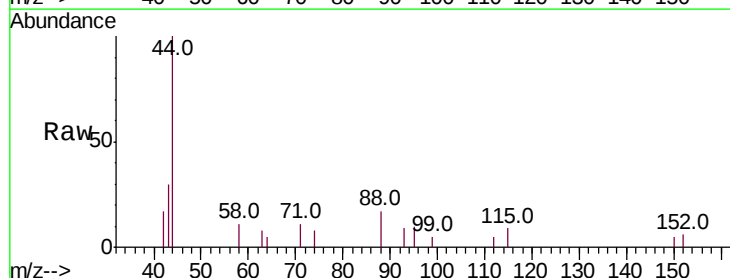
Tgt Ion: 88 Resp: 96

Ion Ratio Lower Upper

88 100

58 68.8 3.0 4.4#

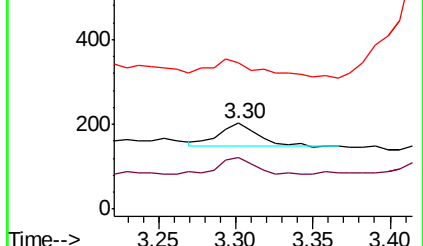
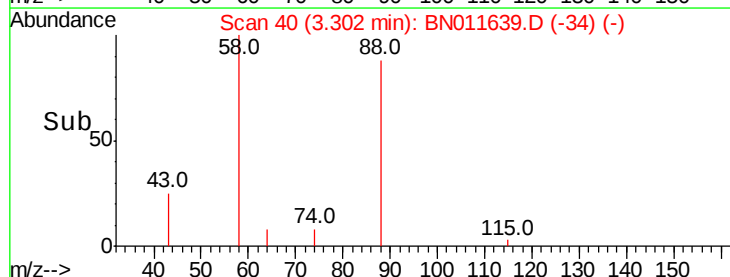
43 89.6 0.0 0.0#

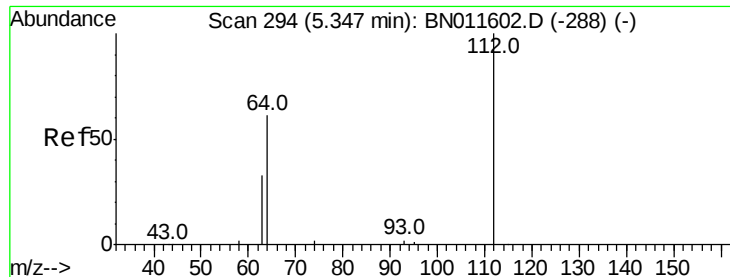


Abundance Ion 88.00 (87.70 to 88.70): BNC

Ion 58.00 (57.70 to 58.70): BNC

Ion 43.00 (42.70 to 43.70): BNC





#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

Instrument :

BNA_N

ClientSampleId :

KY038PS038-200818

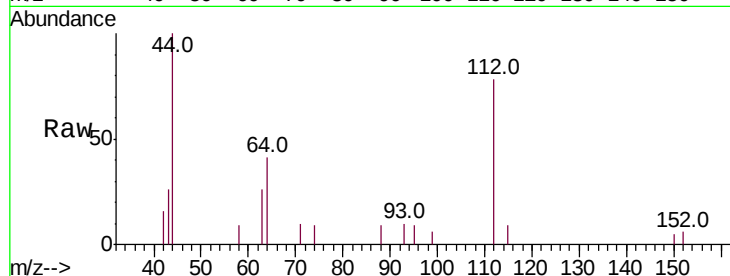
Tot Ion:112 Resp: 1119

Ion Ratio Lower Upper

112 100

64 60.1 49.6 74.4

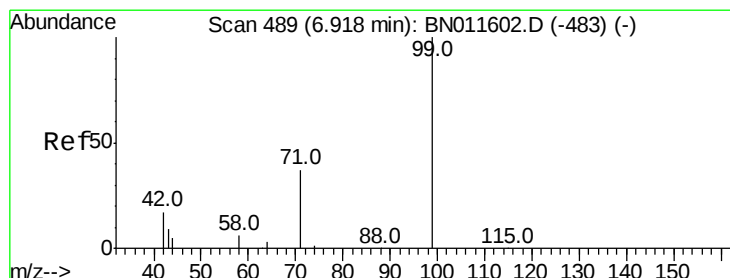
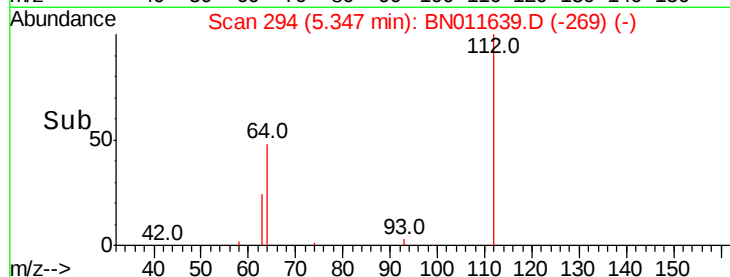
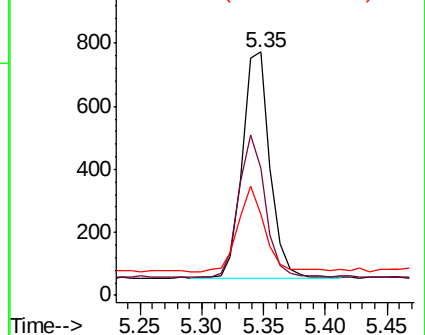
63 36.1 26.4 39.6



Abundance Ion 112.00 (111.70 to 112.70): B

Ion 64.00 (63.70 to 64.70): B

Ion 63.00 (62.70 to 63.70): B



#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

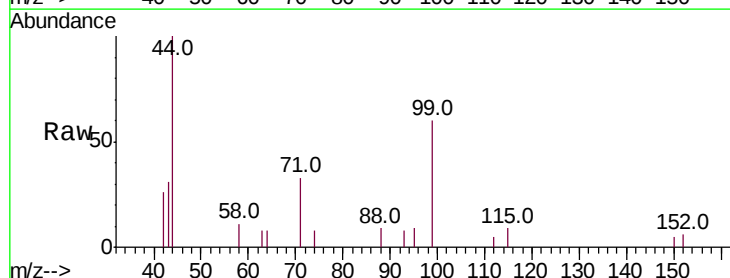
Tgt Ion: 99 Resp: 871

Ion Ratio Lower Upper

99 100

42 24.9 0.0 0.0#

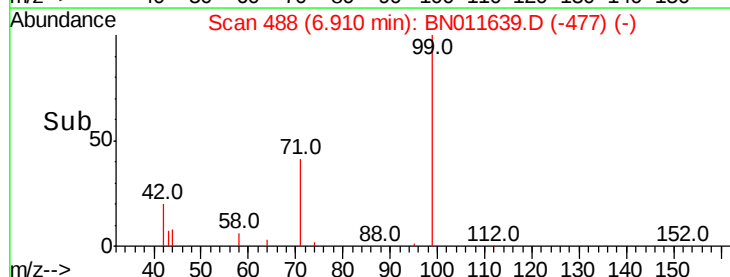
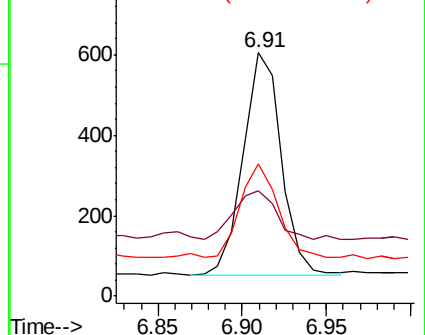
71 42.7 0.0 0.0#

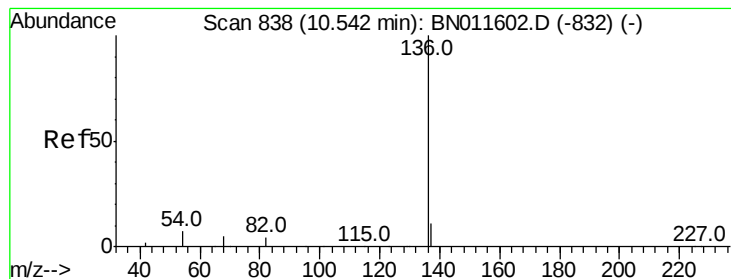


Abundance Ion 99.00 (98.70 to 99.70): B

Ion 42.00 (41.70 to 42.70): B

Ion 71.00 (70.70 to 71.70): B





#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

Instrument :

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Tot Ion:136 Resp: 8915

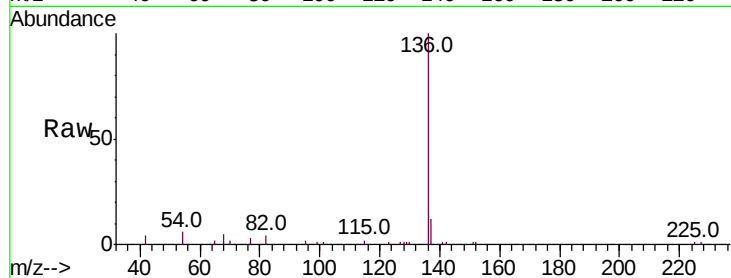
Ion Ratio Lower Upper

136 100

137 11.6 11.5 17.3

54 5.9 11.9 17.9#

68 4.7 12.3 18.5#

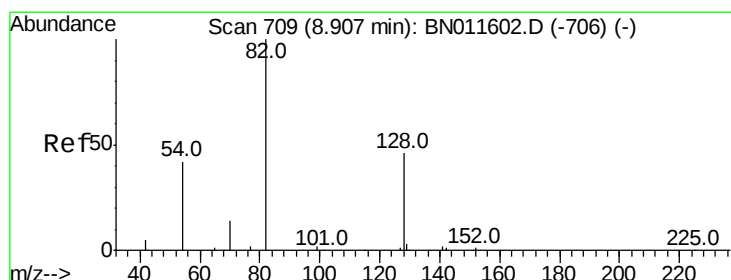
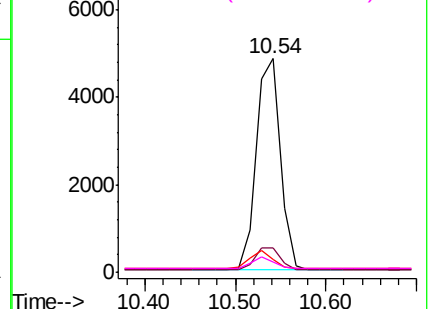
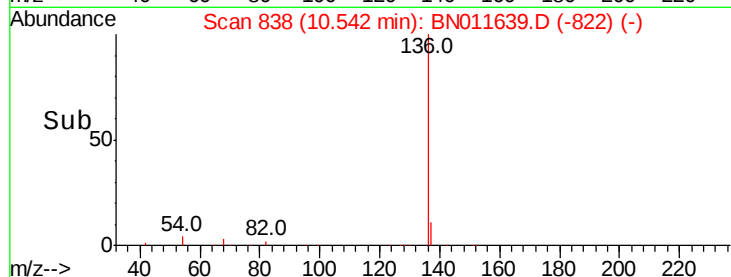


Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BNC

Ion 68.00 (67.70 to 68.70): BNC



#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

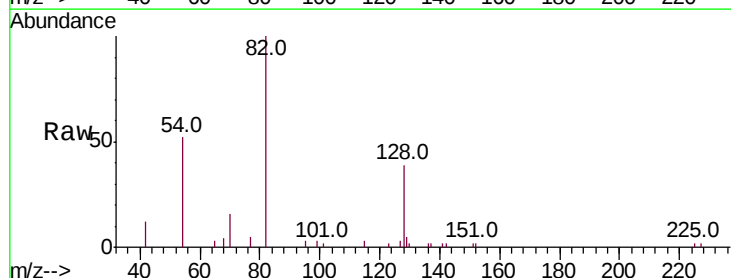
Tgt Ion: 82 Resp: 4213

Ion Ratio Lower Upper

82 100

128 39.1 31.1 46.7

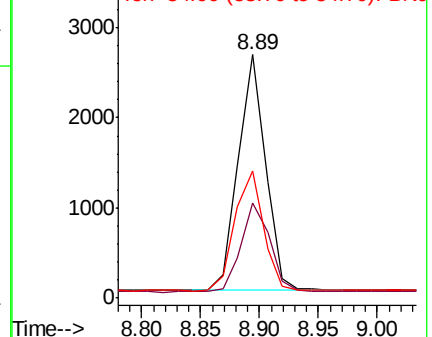
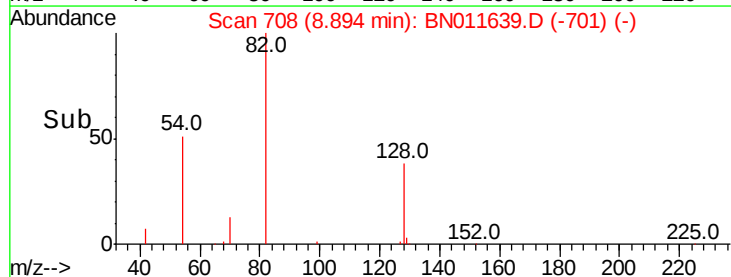
54 52.2 37.1 55.7

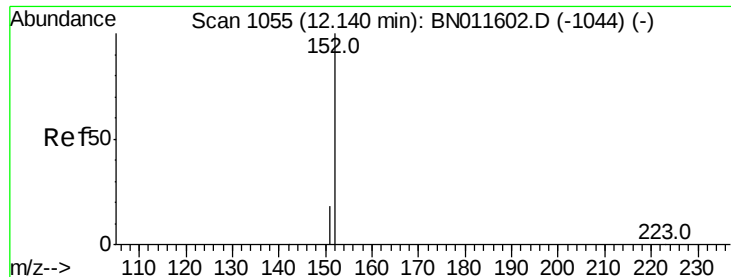


Abundance Ion 82.00 (81.70 to 82.70): BNC

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BNC

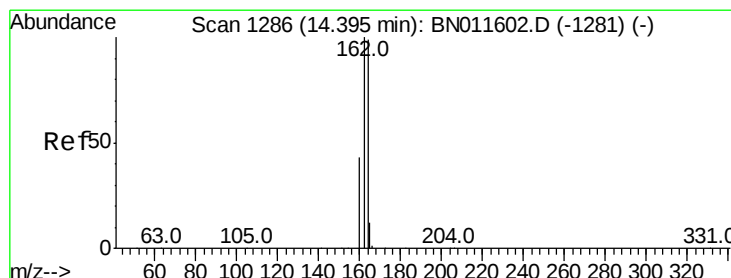
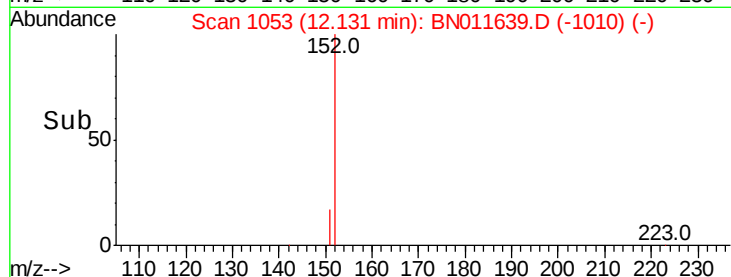
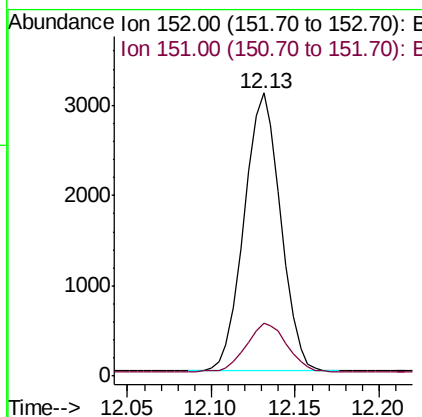
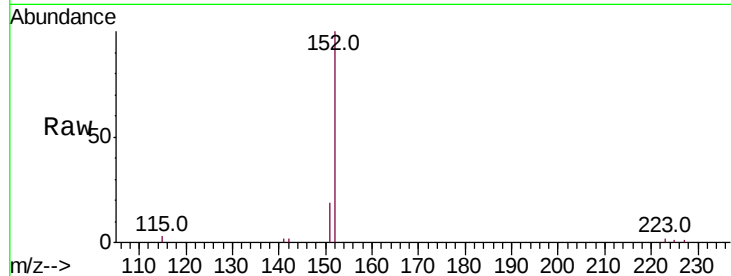




#11
2-Methylnaphthalene-d10
Concen: 0.276 ng
RT: 12.13 min Scan# 1053
Delta R.T. -0.01 min
Lab File: BN011639.D
Acq: 26 Aug 2020 05:51

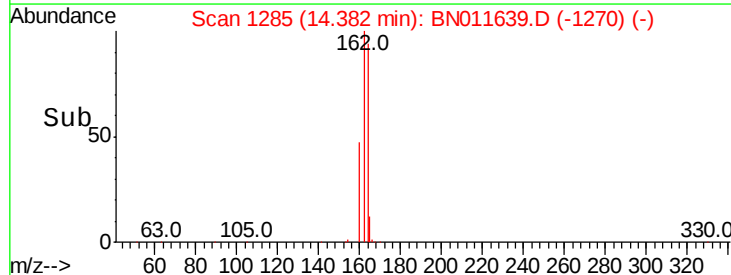
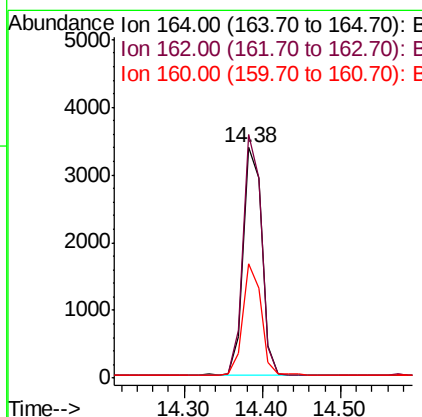
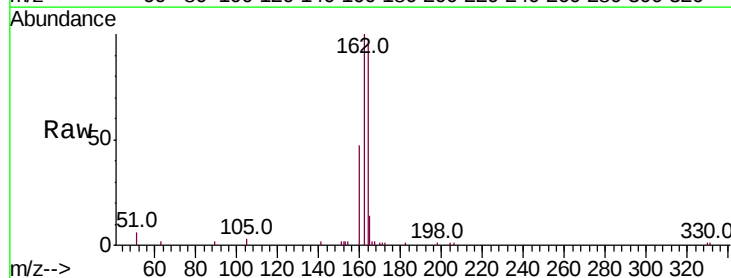
Instrument :
BNA_N
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KY038PS038-200818

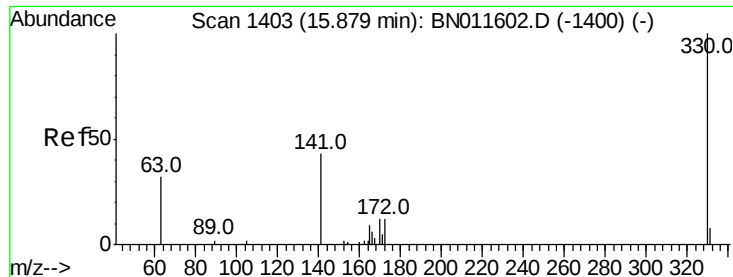
Tot Ion:152 Resp: 4664
Ion Ratio Lower Upper
152 100
151 19.5 16.4 24.6



#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

Tgt 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

Instrument :

BNA_N

ClientSampleId :

KY038PS038-200818

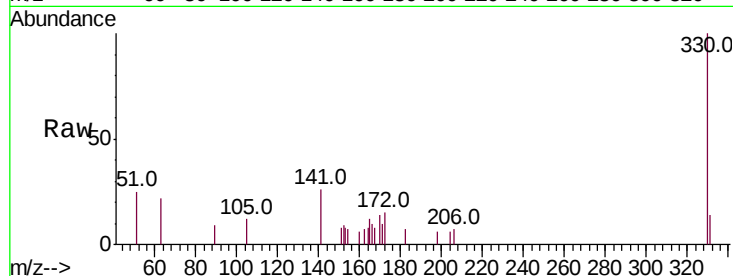
Tot Ion:330 Resp: 1086

Ion Ratio Lower Upper

330 100

332 0.0 0.0 0.0

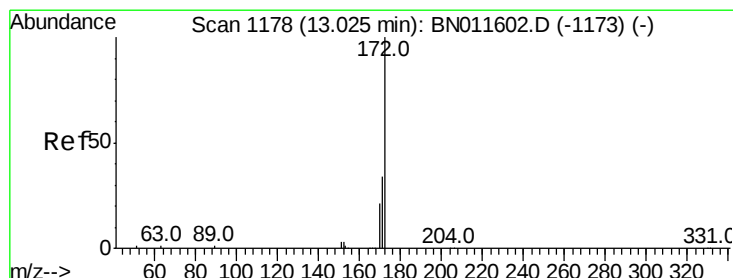
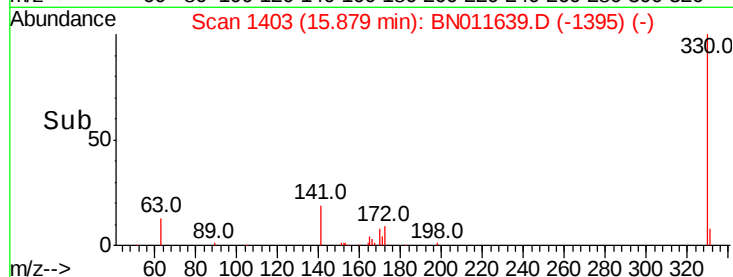
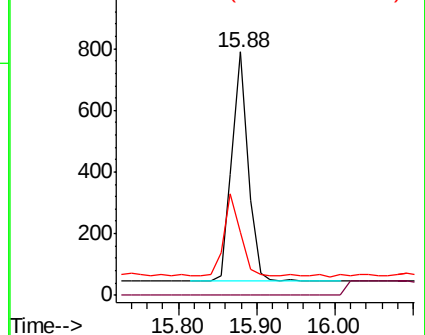
141 36.6 29.4 44.2



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



#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

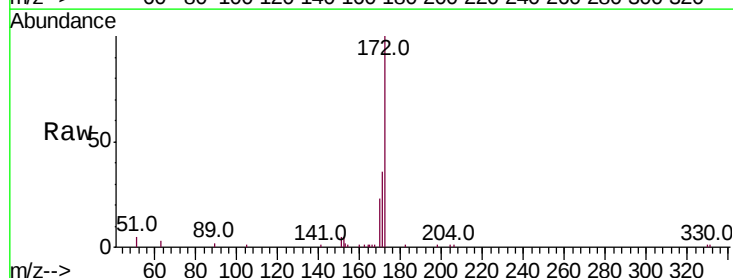
Tgt Ion:172 Resp: 11910

Ion Ratio Lower Upper

172 100

171 35.6 28.6 42.8

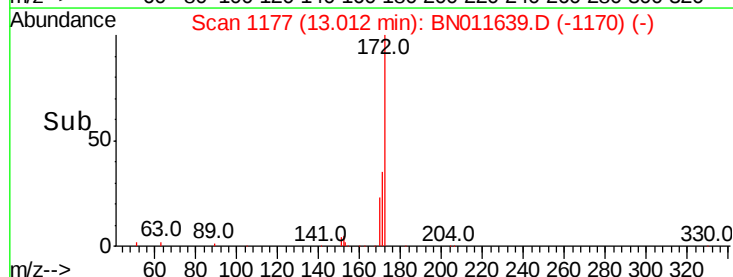
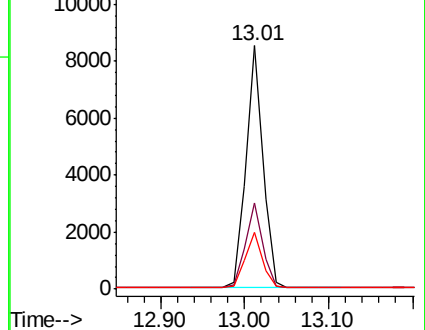
170 23.1 18.2 27.2

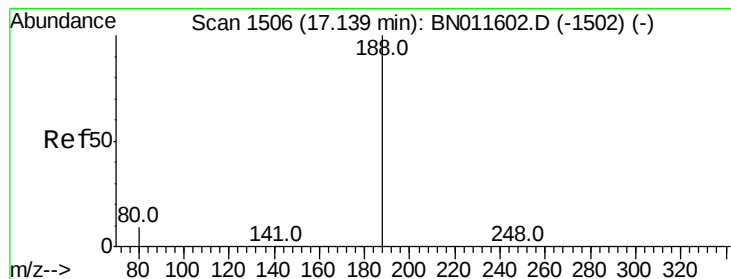


Abundance Ion 172.00 (171.70 to 172.70): E

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

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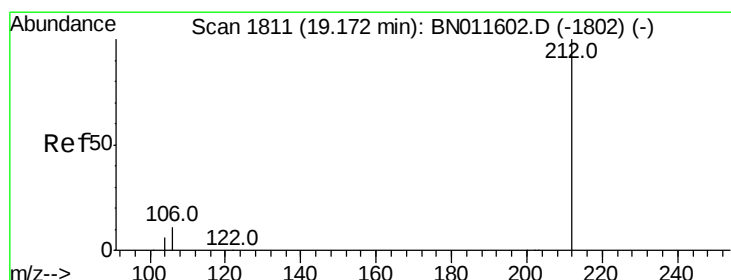
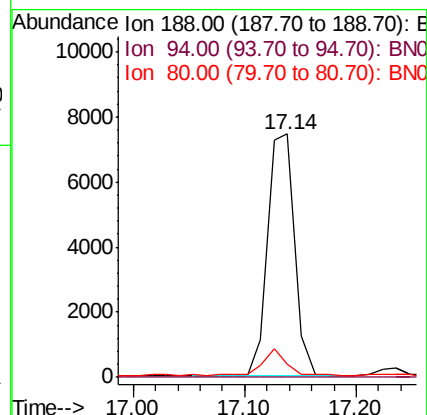
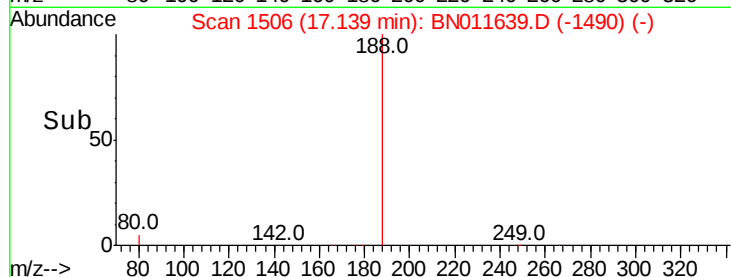
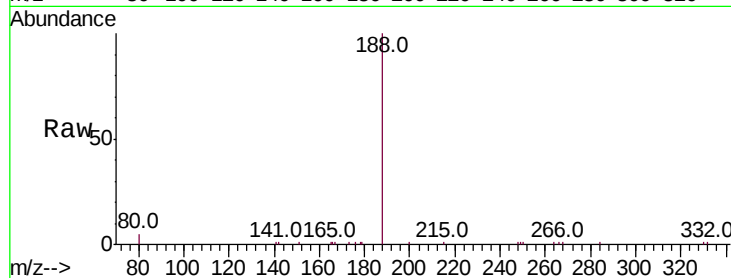
Tot Ion:188 Resp: 12482

Ion Ratio Lower Upper

188 100

94 0.0 0.0 0.0

80 5.5 9.2 13.8#



#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

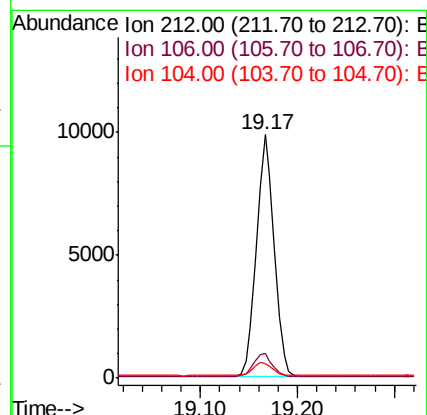
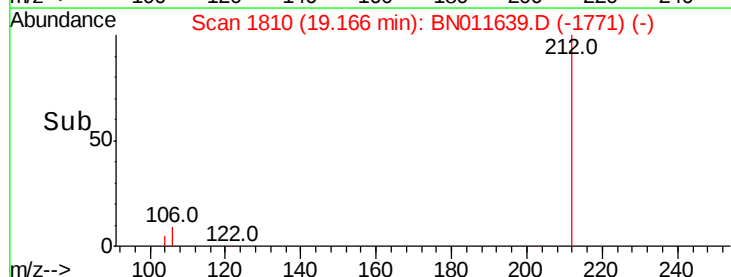
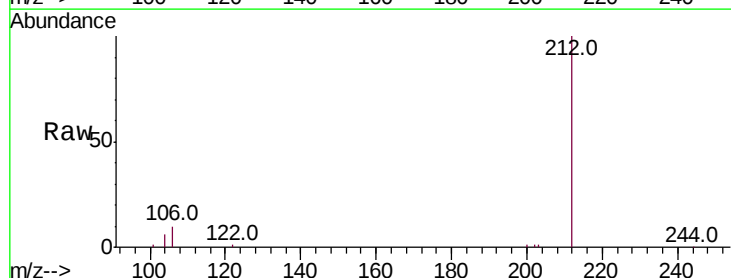
Tgt Ion:212 Resp: 12600

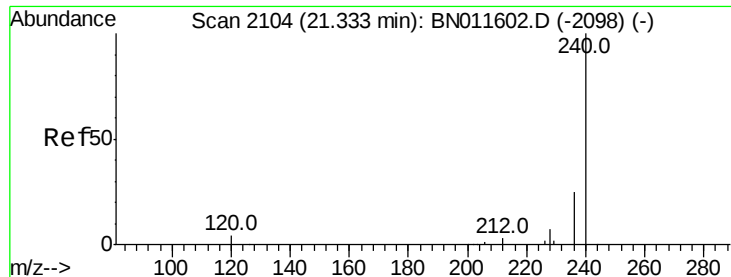
Ion Ratio Lower Upper

212 100

106 9.8 8.9 13.3

104 5.9 5.3 7.9





#29

Chrysene-d12

Concen: 0.400 ng

RT: 21.32 min Scan# 2103

Delta R.T. -0.01 min

Lab File: BN011639.D

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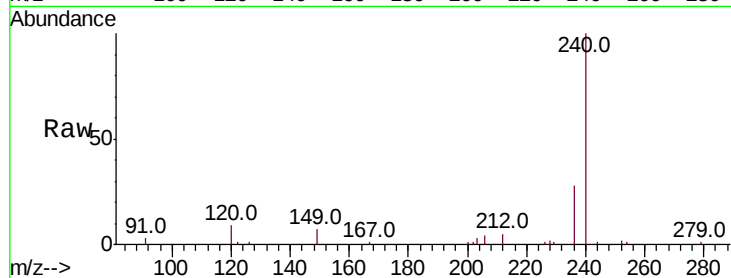
Tot Ion:240 Resp: 11413

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

12000

10000

8000

6000

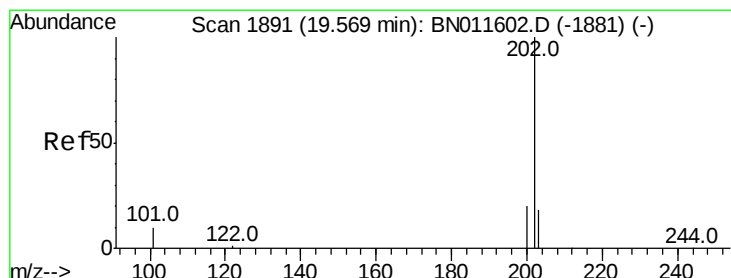
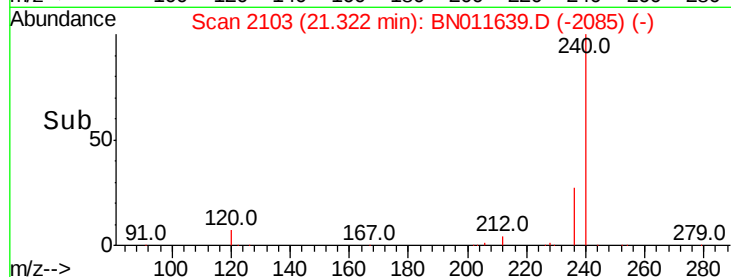
4000

2000

0

21.32

Time-->



#30

Pyrene

Concen: 0.022 ng

RT: 19.56 min Scan# 1889

Delta R.T. -0.01 min

Lab File: BN011639.D

Acq: 26 Aug 2020 05:51

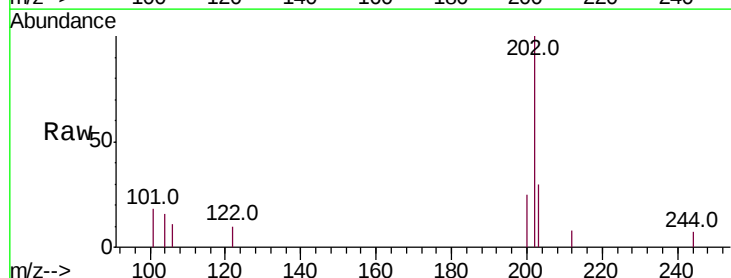
Tgt Ion:202 Resp: 878

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

1000

800

600

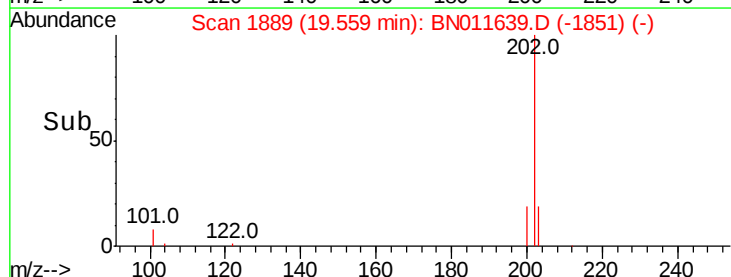
400

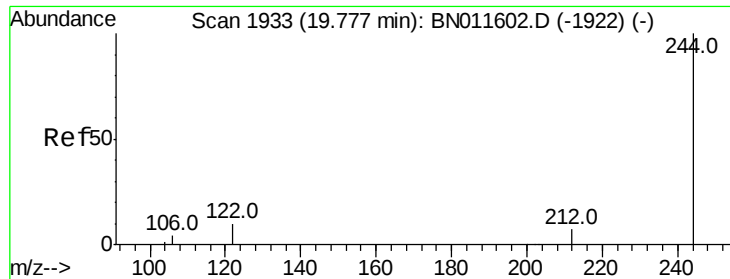
200

0

19.56

Time-->





#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

Instrument :

BNA_N

ClientSampleId :

KY038PS038-200818

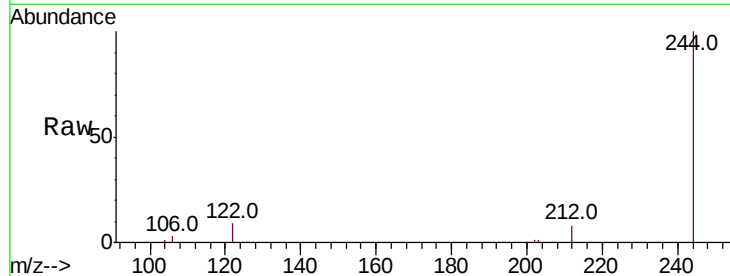
Tot Ion:244 Resp: 22370

Ion Ratio Lower Upper

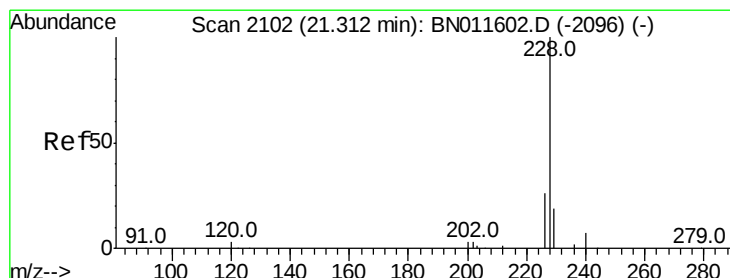
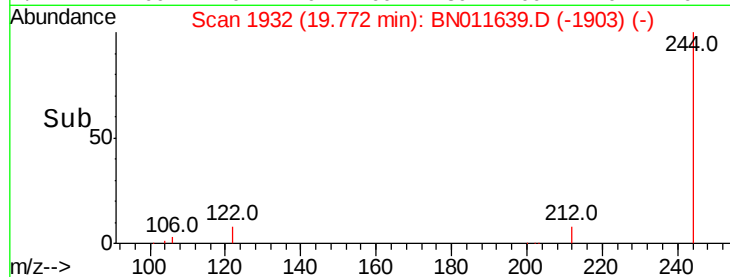
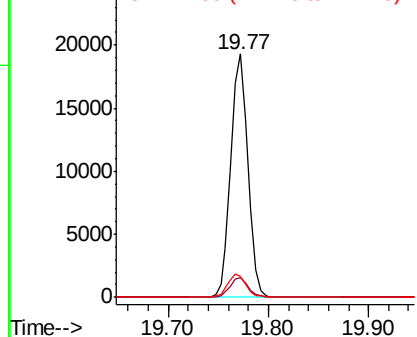
244 100

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

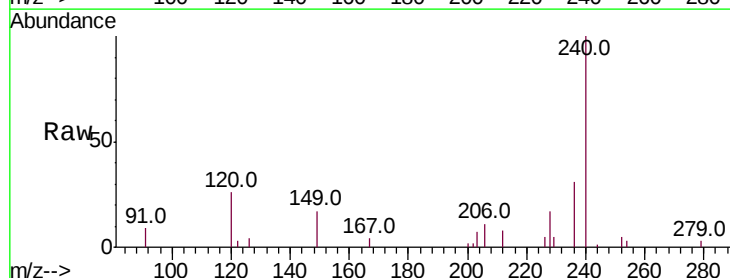
Tgt Ion:228 Resp: 874

Ion Ratio Lower Upper

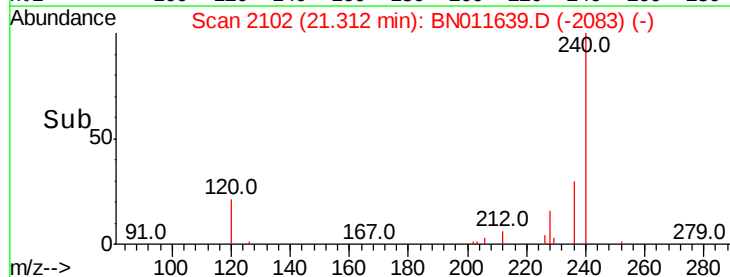
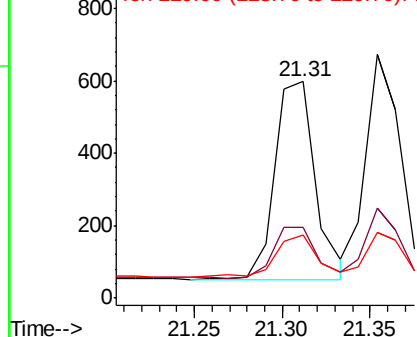
228 100

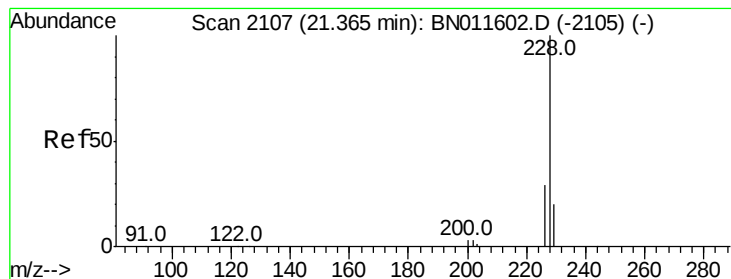
226 32.5 21.2 31.8#

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

Instrument :

BNA_N

ClientSampleId :

KY038PS038-200818

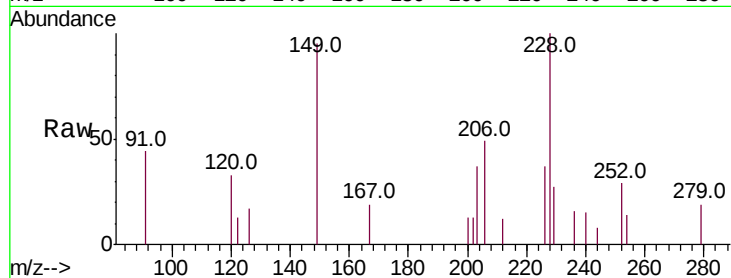
Tot Ion:228 Resp: 842

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

21.35

800

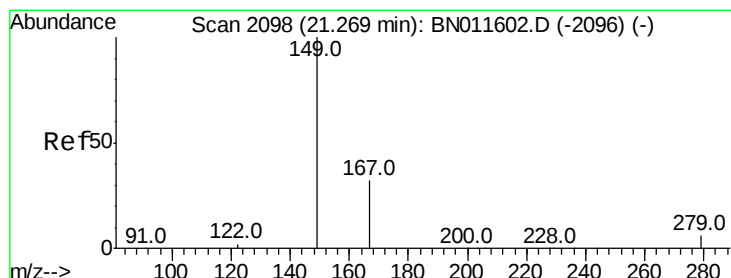
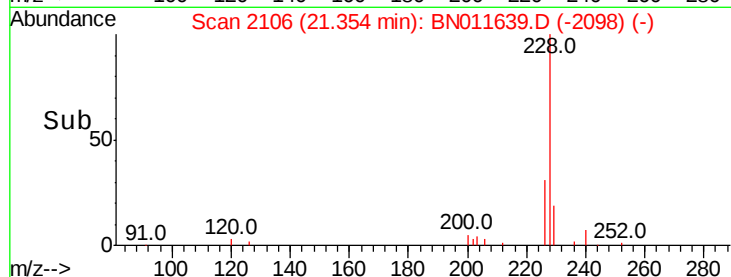
600

400

200

0

Time--> 21.30 21.35 21.40



#34

Bis(2-ethylhexyl)phthalate

Concen: Below Cal

RT: 21.26 min Scan# 2097

Delta R.T. -0.01 min

Lab File: BN011639.D

Acq: 26 Aug 2020 05:51

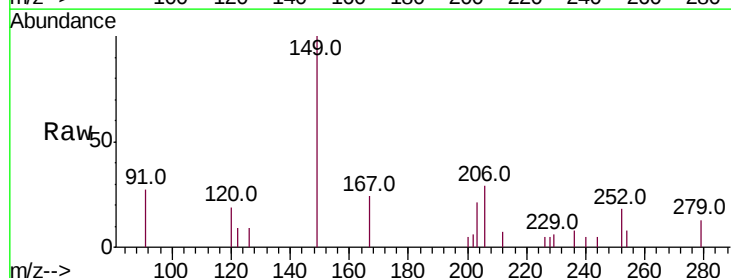
Tgt Ion:149 Resp: 692

Ion Ratio Lower Upper

149 100

167 25.3 20.6 31.0

279 7.5 3.8 5.8#



Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E

21.26

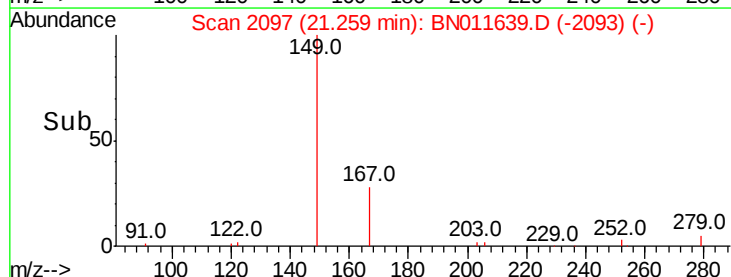
1500

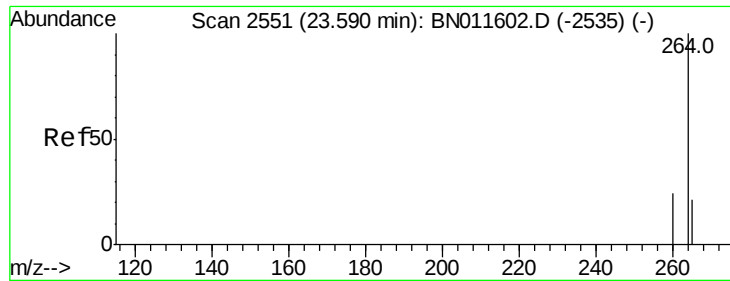
1000

500

0

Time--> 21.20 21.25 21.30

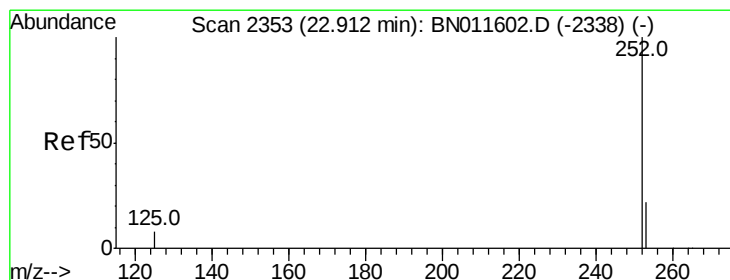
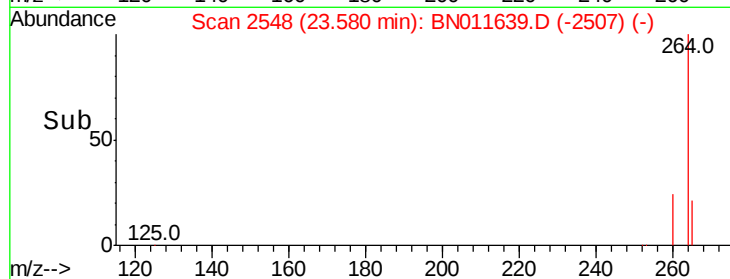
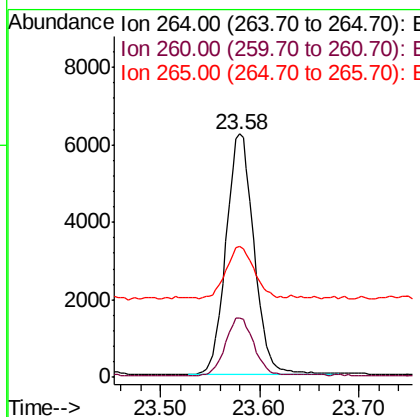
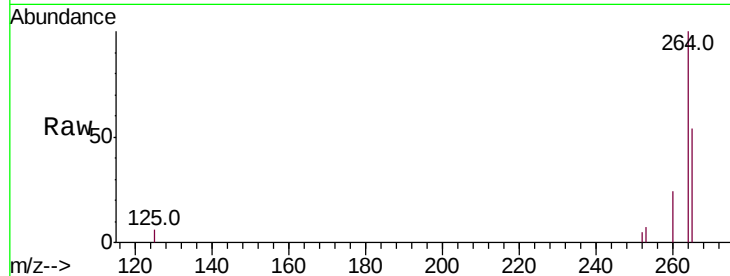




#36
Pervlene-d12
Concen: 0.400 ng
RT: 23.58 min Scan# 2548
Delta R.T. -0.01 min
Lab File: BN011639.D
Acq: 26 Aug 2020 05:51

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#

