

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN061220\
 Data File : BN010864.D
 Acq On : 13 Jun 2020 04:31
 Operator : CG/JU
 Sample : L2988-06
 Misc :
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 RE132D5-20200608

Quant Time: Jun 23 20:01:43 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\8270-SIM-BN061020.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Jun 22 12:02:11 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.55	152	2434	0.40	ng	0.02
7) Naphthalene-d8	10.30	136	8848	0.40	ng	0.03
13) Acenaphthene-d10	14.18	164	4909	0.40	ng	0.03
19) Phenanthrene-d10	16.92	188	10014	0.40	ng	0.00
27) Chrysene-d12	21.12	240	10823	0.40	ng	0.00
34) Perylene-d12	23.27	264	11882	0.40	ng	0.01

System Monitoring Compounds						
4) 2-Fluorophenol	5.21	112	124	0.03	ng	0.02
5) Phenol-d6	6.74	99	106	0.02	ng	0.02
8) Nitrobenzene-d5	8.68	82	2388	0.36	ng	0.01
11) 2-Methylnaphthalene-d10	11.89	152	4365	0.32	ng	0.02
14) 2,4,6-Tribromophenol	15.68	330	419	0.24	ng	0.02
15) 2-Fluorobiphenyl	12.79	172	7087	0.37	ng	0.02
25) Fluoranthene-d10	18.96	212	10627	0.38	ng	0.02
29) Terphenyl-d14	19.57	244	13444	0.53	ng	0.00

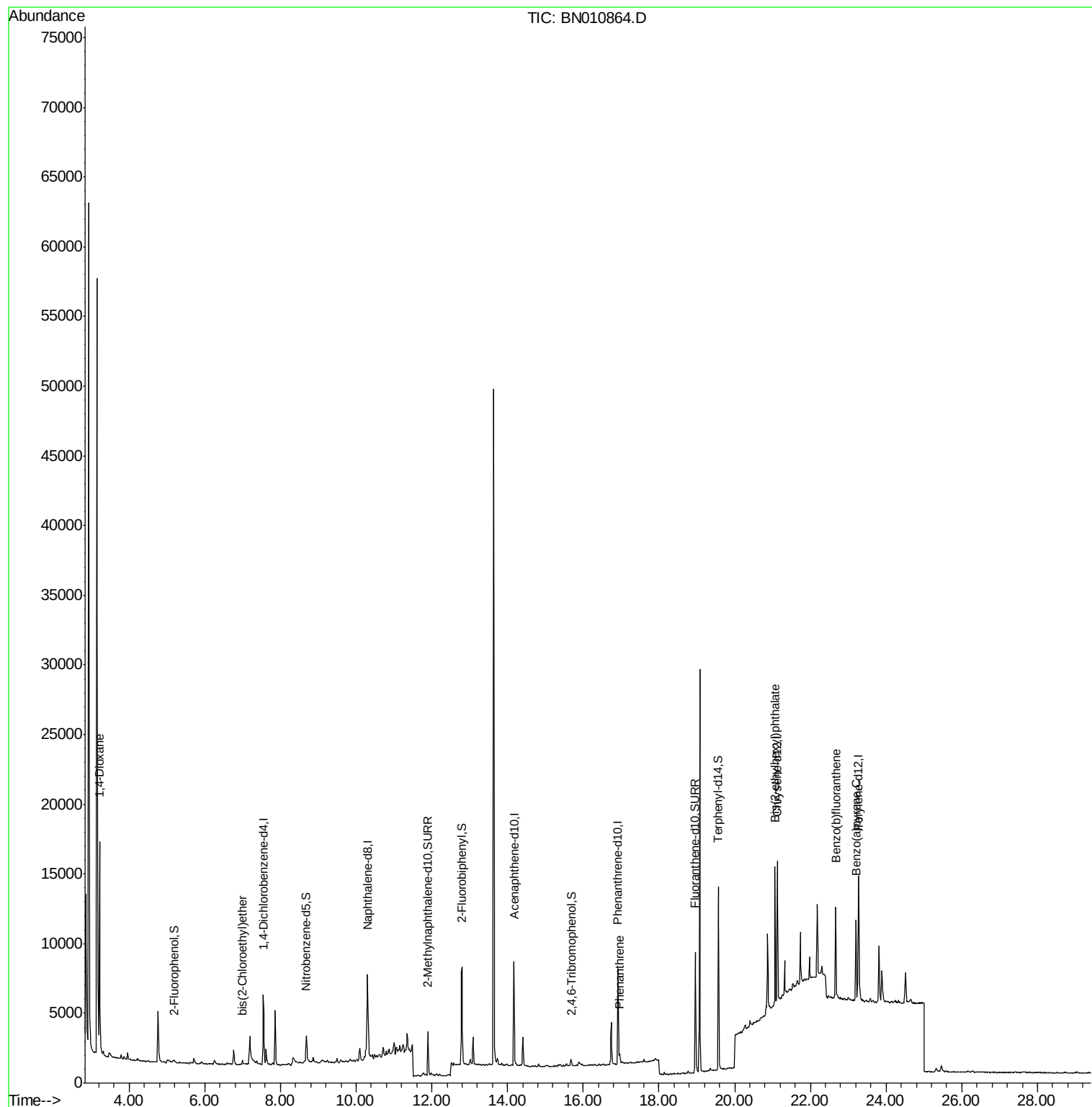
Target Compounds				Qvalue		
2) 1,4-Dioxane	3.22	88	12433	5.215	ng	97
6) bis(2-Chloroethyl)ether	6.99	93	313	0.058	ng	92
23) Phenanthrene	16.96	178	630	0.023	ng	# 90
32) Bis(2-ethylhexyl)phthalate	21.07	149	8608	0.812	ng	97
35) Benzo(b)fluoranthene	22.67	252	823	0.020	ng	# 1
37) Benzo(a)pyrene	23.21	252	723	0.021	ng	# 1

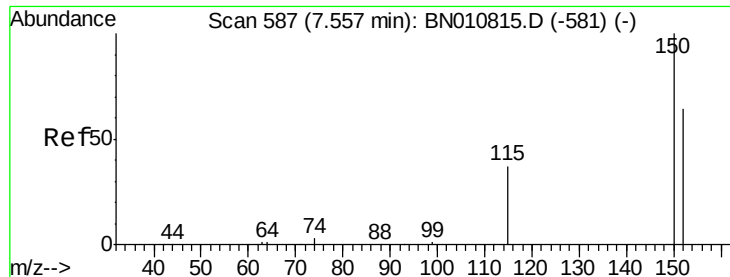
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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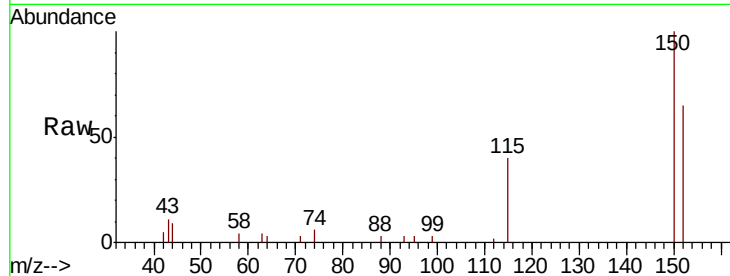


#1

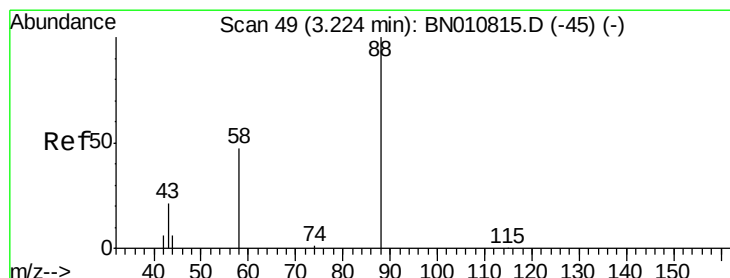
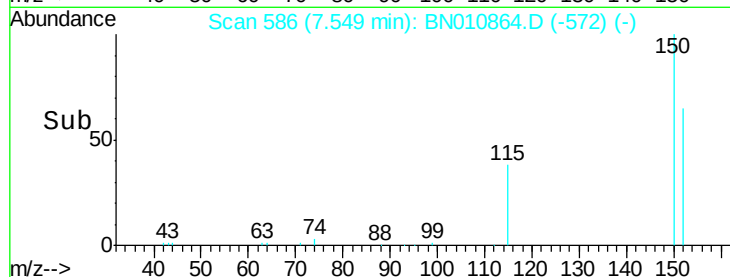
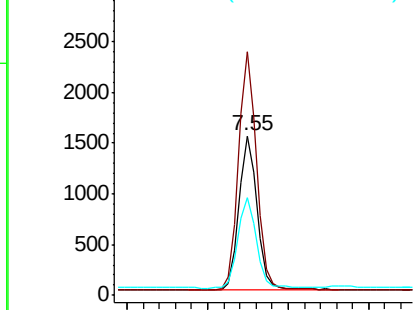
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.55 min Scan# 586
Delta R.T. 0.02 min
Lab File: BN010864.D
Acq: 13 Jun 2020 04:31

Instrument :
BNA_N
ClientSampleId :
RE132D5-20200608

Tot Ion:152 Resp: 2434
Ion Ratio Lower Upper
152 100
150 152.8 123.8 185.6
115 61.4 49.2 73.8



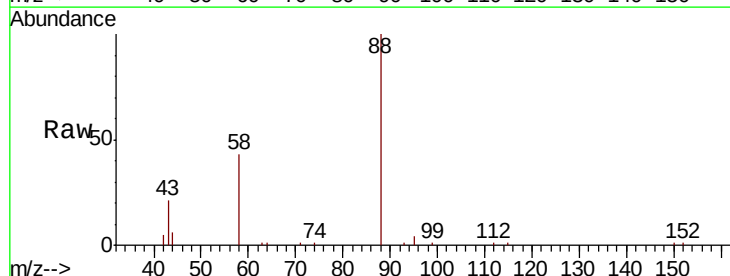
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



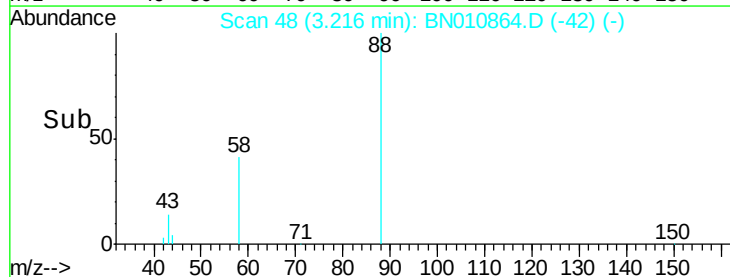
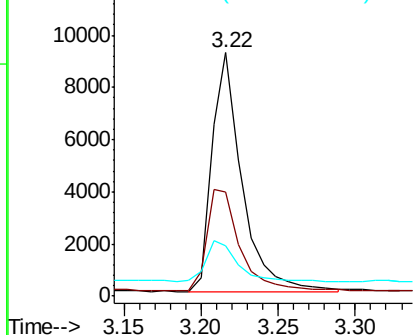
#2

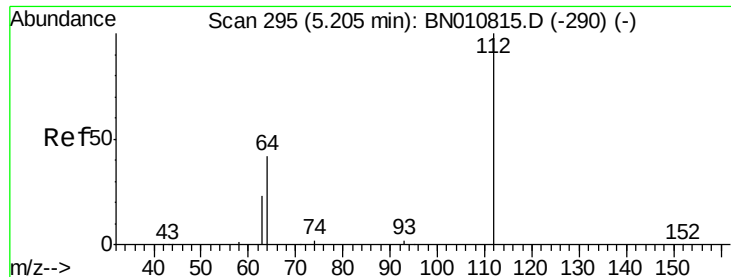
1,4-Dioxane
Concen: 5.215 ng
RT: 3.22 min Scan# 48
Delta R.T. 0.00 min
Lab File: BN010864.D
Acq: 13 Jun 2020 04:31

Tgt Ion: 88 Resp: 12433
Ion Ratio Lower Upper
88 100
58 46.0 38.2 57.4
43 17.9 15.1 22.7



Abundance Ion 88.00 (87.70 to 88.70): BN0
Ion 58.00 (57.70 to 58.70): BN0
Ion 43.00 (42.70 to 43.70): BN0





#4

2-Fluorophenol

Concen: 0.026 ng

RT: 5.21 min Scan# 295

Delta R.T. 0.02 min

Lab File: BN010864.D

Acq: 13 Jun 2020 04:31

Instrument :

BNA_N

ClientSampleId :

RE132D5-20200608

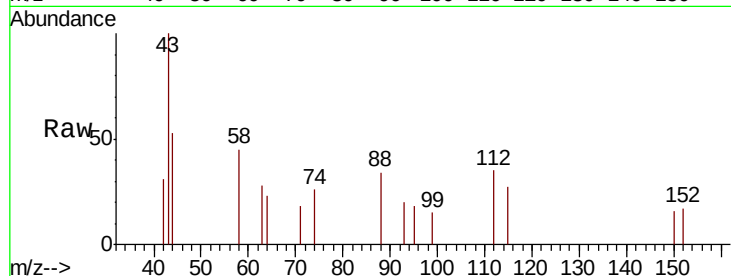
Tot Ion: 112 Resp: 124

Ion Ratio Lower Upper

112 100

64 49.2 37.4 56.0

63 31.5 22.2 33.4



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

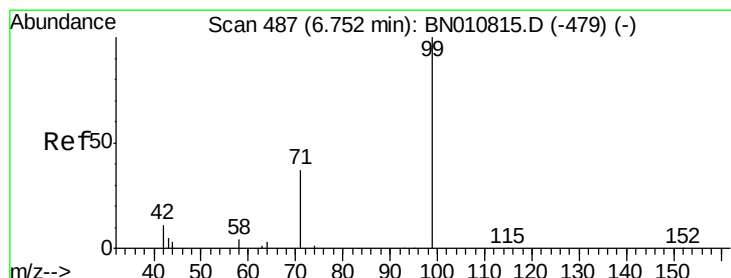
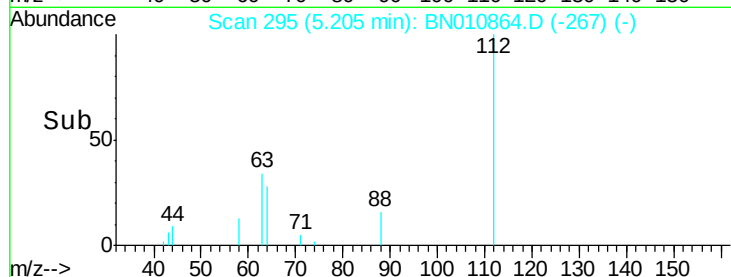
5.21

100

50

0

Time-->



#5

Phenol-d6

Concen: 0.019 ng

RT: 6.74 min Scan# 486

Delta R.T. 0.02 min

Lab File: BN010864.D

Acq: 13 Jun 2020 04:31

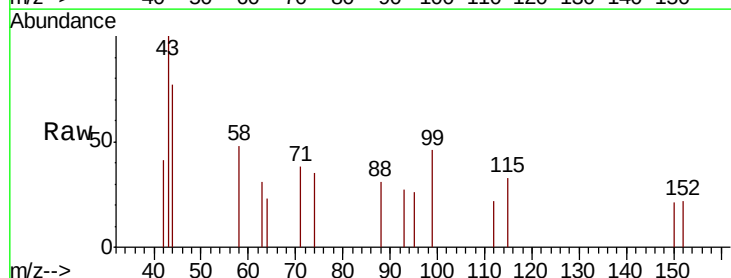
Tgt Ion: 99 Resp: 106

Ion Ratio Lower Upper

99 100

42 0.0 11.1 16.7#

71 99.1 31.4 47.2#



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

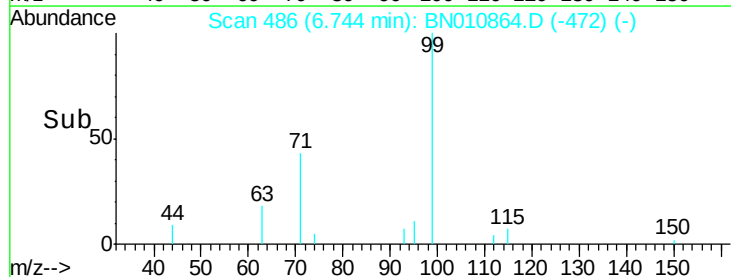
6.74

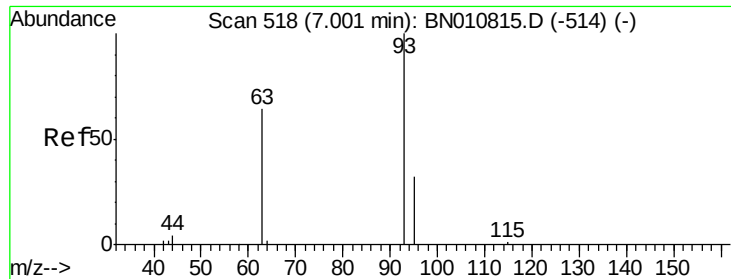
100

50

0

Time-->

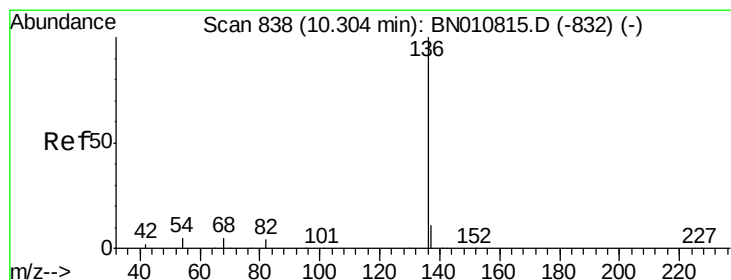
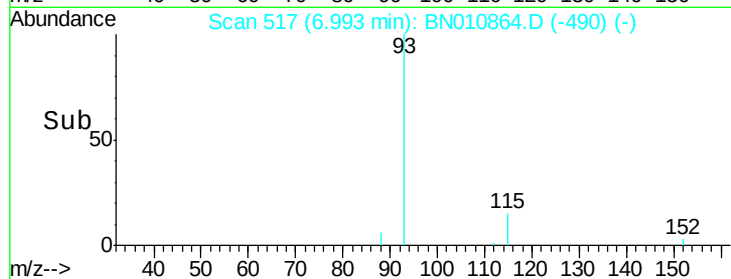
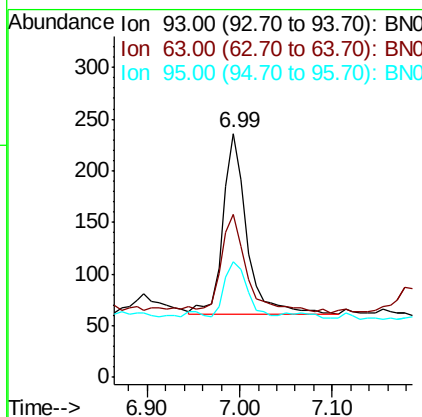
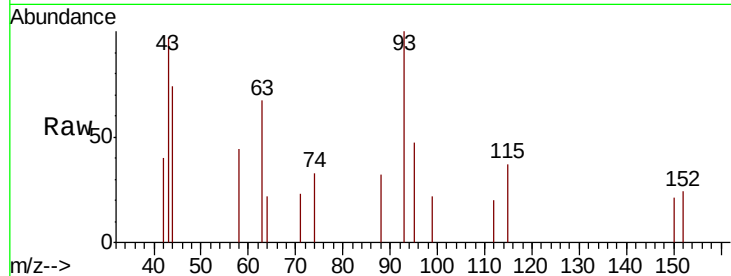




#6
bis(2-Chloroethyl)ether
Concen: 0.058 ng
RT: 6.99 min Scan# 517
Delta R.T. 0.02 min
Lab File: BN010864.D
Acq: 13 Jun 2020 04:31

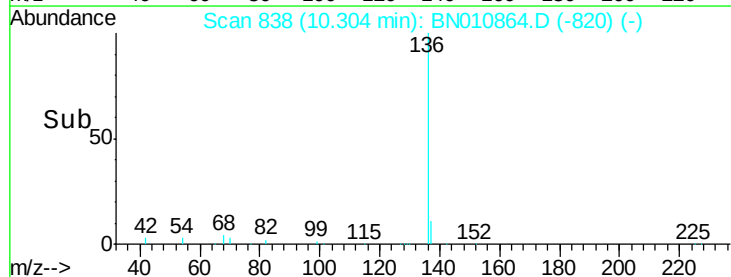
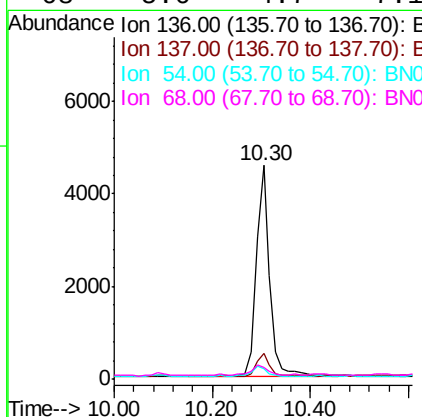
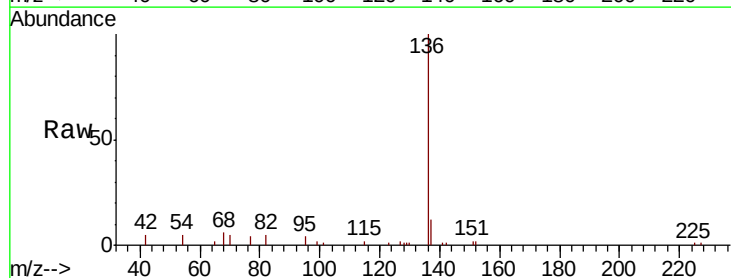
Instrument :
BNA_N
ClientSampleId :
RE132D5-20200608

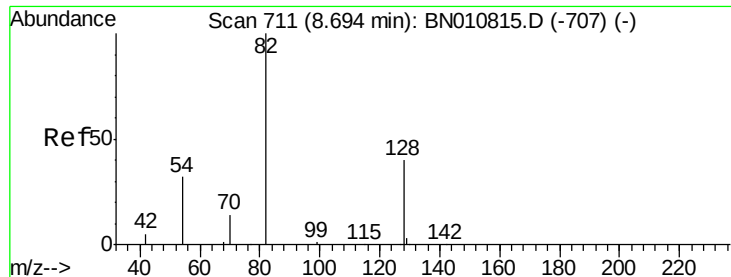
Tot Ion:	93	Resp:	313
Ion	Ratio	Lower	Upper
93	100		
63	55.0	49.4	74.2
95	29.7	26.7	40.1



#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.30 min Scan# 838
Delta R.T. 0.03 min
Lab File: BN010864.D
Acq: 13 Jun 2020 04:31

Tgt Ion:	136	Resp:	8848
Ion	Ratio	Lower	Upper
136	100		
137	12.3	9.7	14.5
54	4.8	4.9	7.3#
68	5.6	4.7	7.1

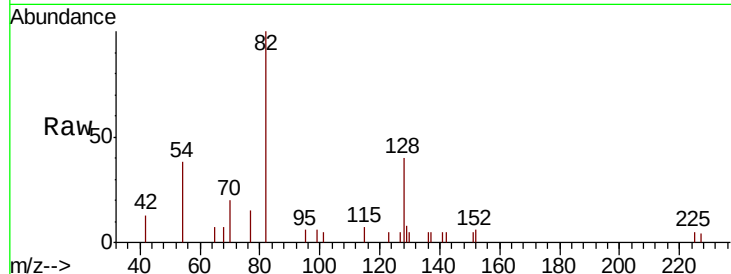




#8
 Nitrobenzene-d5
 Concen: 0.365 ng
 RT: 8.68 min Scan# 710
 Delta R.T. 0.01 min
 Lab File: BN010864.D
 Acq: 13 Jun 2020 04:31

Instrument :
 BNA_N
 ClientSampleId :
 RE132D5-20200608

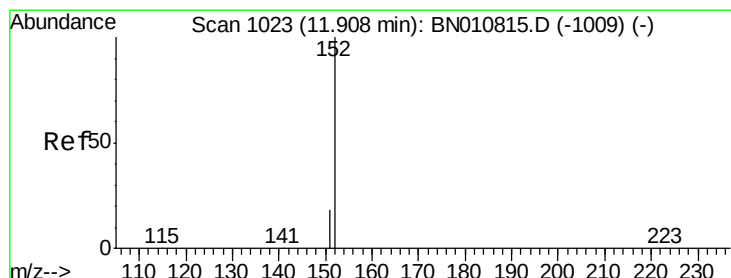
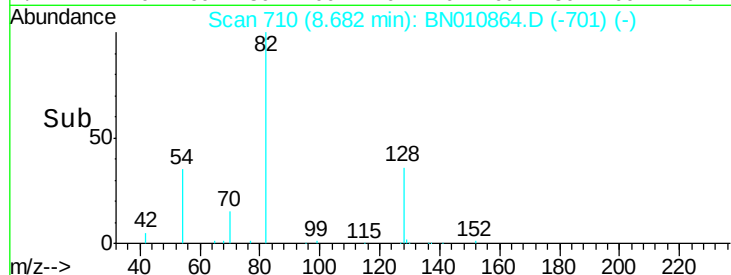
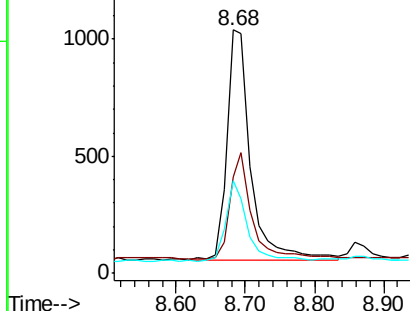
Tot Ion	82	Resp	2388
Ion Ratio	Lower	Upper	
82	100		
128	39.7	35.4	53.0
54	37.9	28.2	42.4



Abundance Ion 82.00 (81.70 to 82.70): BN010864.D (-701) (-)

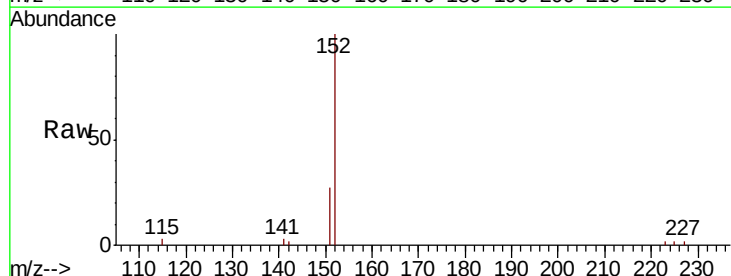
Ion 128.00 (127.70 to 128.70): BN010864.D (-701) (-)

Ion 54.00 (53.70 to 54.70): BN010864.D (-701) (-)



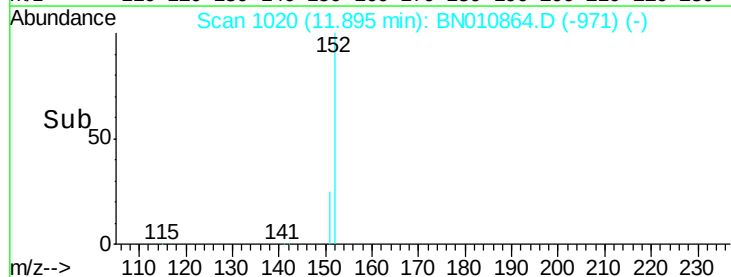
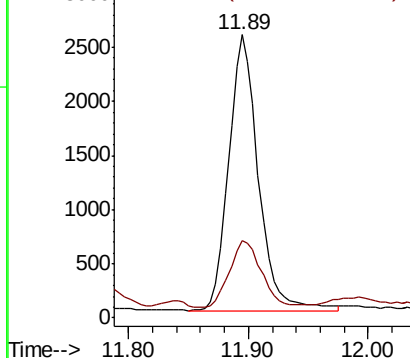
#11
 2-Methylnaphthalene-d10
 Concen: 0.318 ng
 RT: 11.89 min Scan# 1020
 Delta R.T. 0.02 min
 Lab File: BN010864.D
 Acq: 13 Jun 2020 04:31

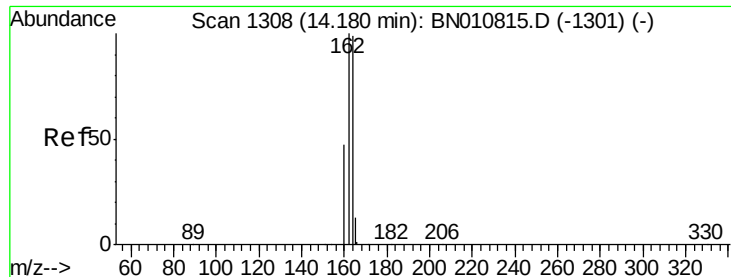
Tgt Ion	152	Resp	4365
Ion Ratio	Lower	Upper	
152	100		
151	26.3	15.3	22.9



Abundance Ion 152.00 (151.70 to 152.70): BN010864.D (-971) (-)

Ion 151.00 (150.70 to 151.70): BN010864.D (-971) (-)





#13

Acenaphthene-d10

Concen: 0.400 ng

RT: 14.18 min Scan# 1307

Delta R.T. 0.03 min

Lab File: BN010864.D

Acq: 13 Jun 2020 04:31

Instrument :

BNA_N

ClientSampleId :

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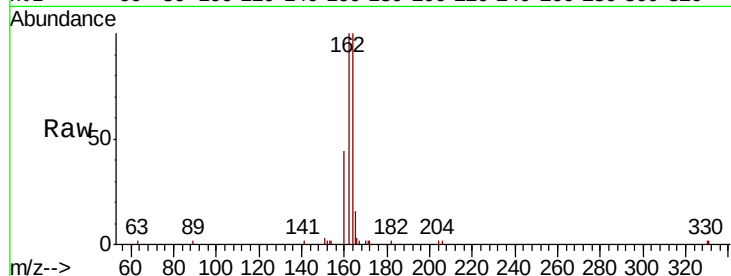
Tot Ion:164 Resp: 4909

Ion Ratio Lower Upper

164 100

162 100.4 81.0 121.6

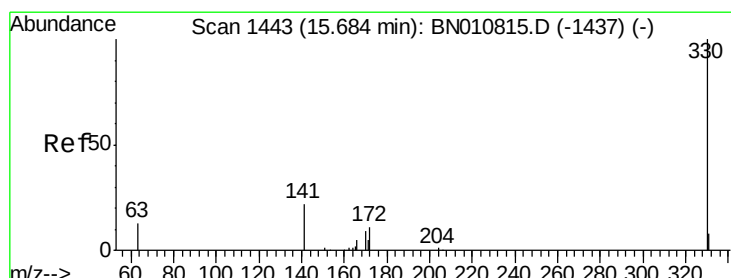
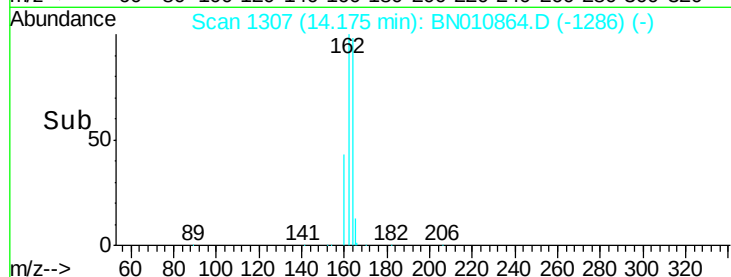
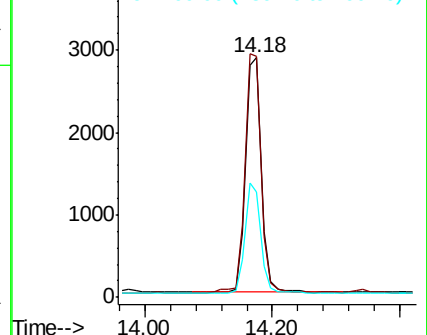
160 44.0 38.9 58.3



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



#14

2,4,6-Tribromophenol

Concen: 0.239 ng

RT: 15.68 min Scan# 1442

Delta R.T. 0.02 min

Lab File: BN010864.D

Acq: 13 Jun 2020 04:31

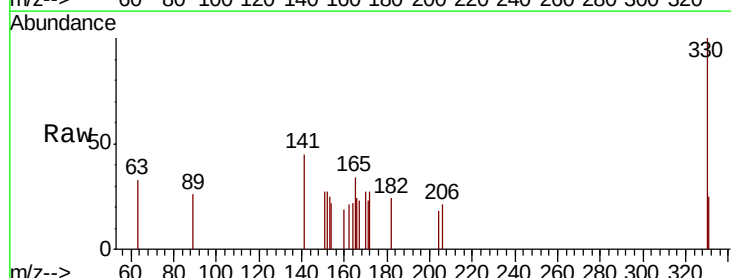
Tgt Ion:330 Resp: 419

Ion Ratio Lower Upper

330 100

332 0.0 0.0 0.0

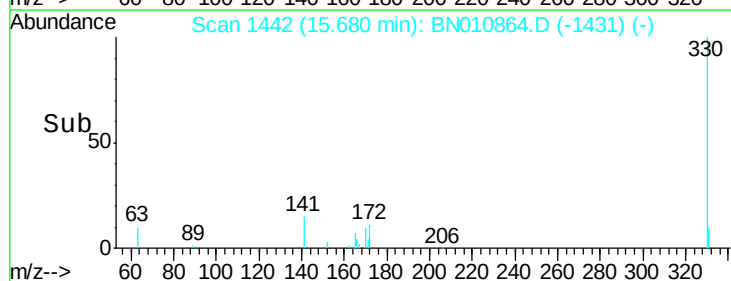
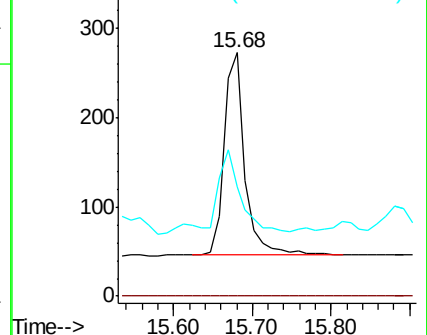
141 41.1 33.2 49.8

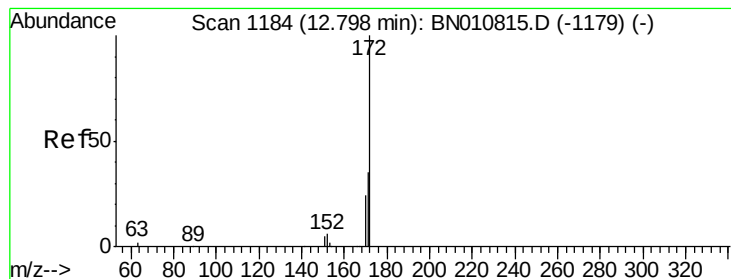


Abundance Ion 330.00 (329.70 to 330.70): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E





#15

2-Fluorobiphenyl

Concen: 0.366 ng

RT: 12.79 min Scan# 1183

Delta R.T. 0.02 min

Lab File: BN010864.D

Acq: 13 Jun 2020 04:31

Instrument :

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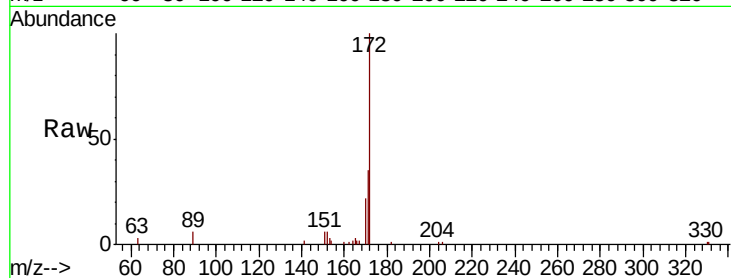
Tot Ion:172 Resp: 7087

Ion Ratio Lower Upper

172 100

171 34.8 28.5 42.7

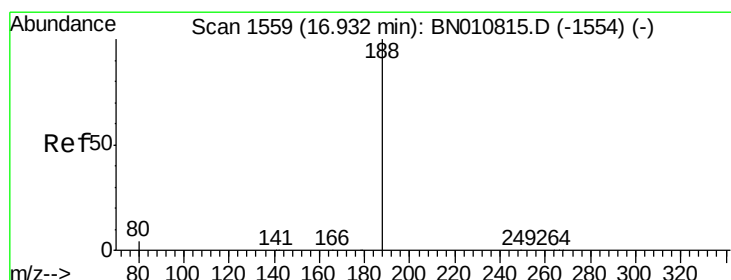
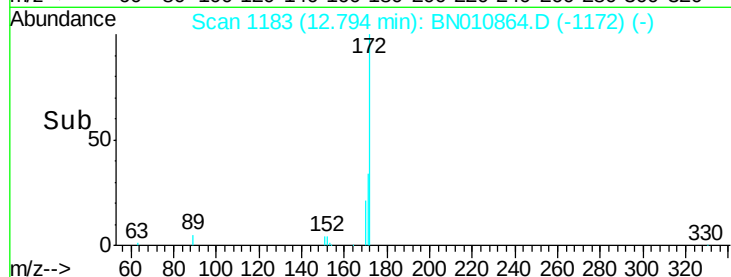
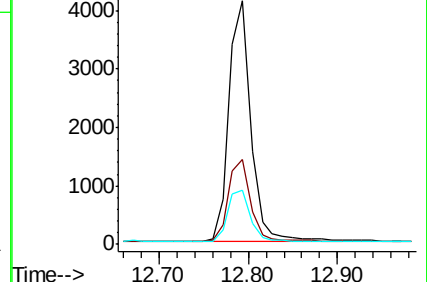
170 22.3 19.7 29.5



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: 16.92 min Scan# 1557

Delta R.T. 0.01 min

Lab File: BN010864.D

Acq: 13 Jun 2020 04:31

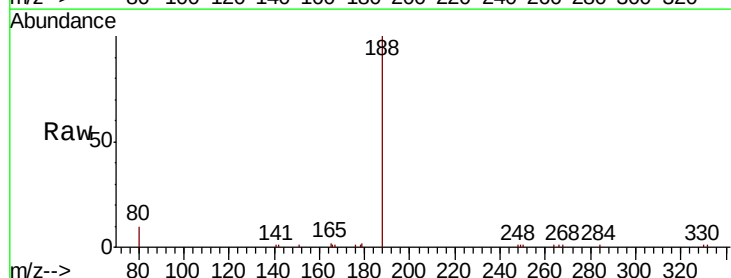
Tgt Ion:188 Resp: 10014

Ion Ratio Lower Upper

188 100

94 0.0 0.0 0.0

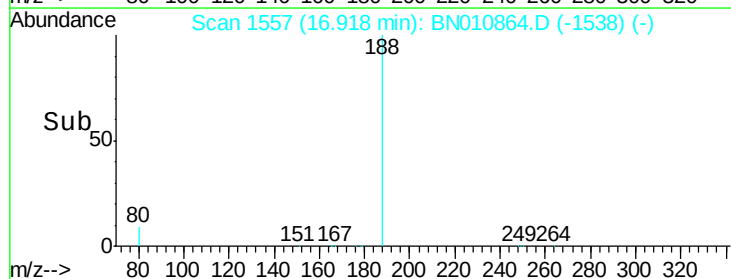
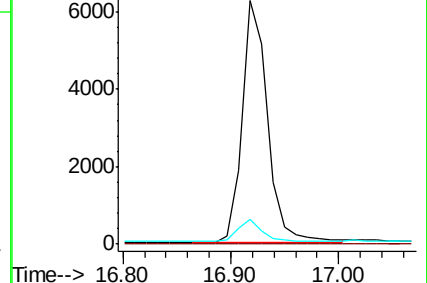
80 10.0 4.5 6.7#

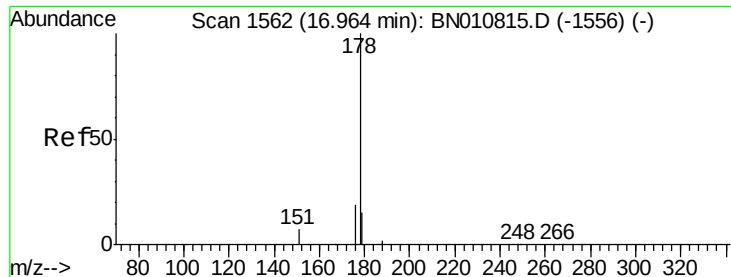


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BNC

Ion 80.00 (79.70 to 80.70): BNC





#23

Phenanthrene

Concen: 0.023 ng

RT: 16.96 min Scan# 1561

Delta R.T. 0.02 min

Lab File: BN010864.D

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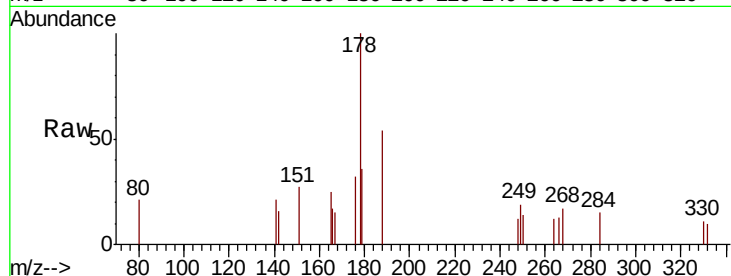
Tot Ion:178 Resp: 630

Ion Ratio Lower Upper

178 100

176 19.7 15.3 22.9

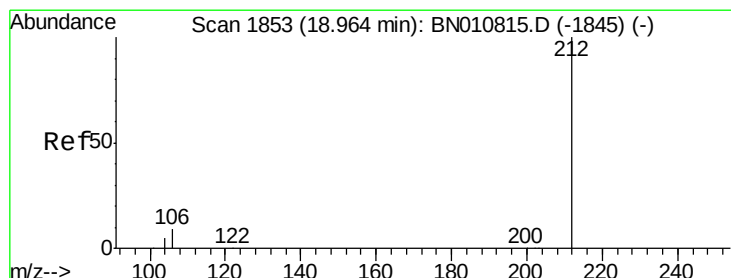
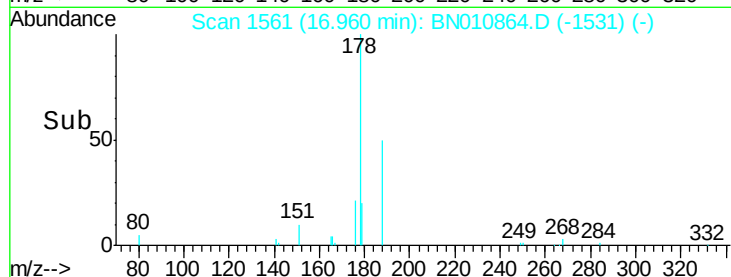
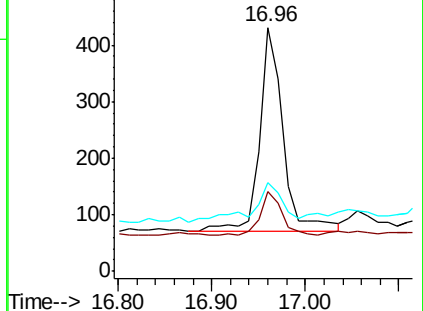
179 24.4 12.6 19.0#



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



#25

Fluoranthene-d10

Concen: 0.385 ng

RT: 18.96 min Scan# 1851

Delta R.T. 0.02 min

Lab File: BN010864.D

Acq: 13 Jun 2020 04:31

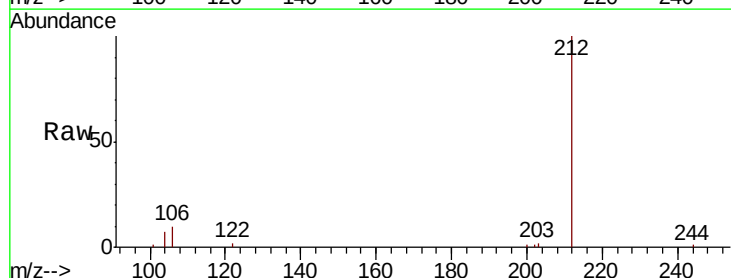
Tgt Ion:212 Resp: 10627

Ion Ratio Lower Upper

212 100

106 10.0 6.6 10.0#

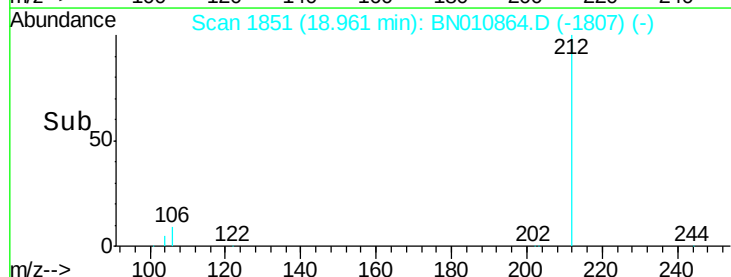
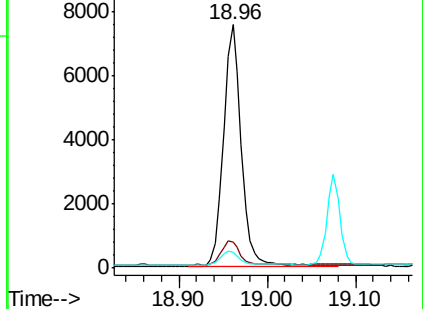
104 5.9 4.0 6.0

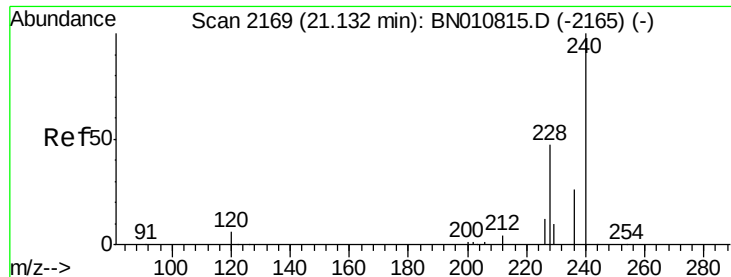


Abundance Ion 212.00 (211.70 to 212.70): E

Ion 106.00 (105.70 to 106.70): E

Ion 104.00 (103.70 to 104.70): E





#27

Chrysene-d12

Concen: 0.400 ng

RT: 21.12 min Scan# 2167

Delta R.T. 0.00 min

Lab File: BN010864.D

Acq: 13 Jun 2020 04:31

Instrument :

BNA_N

ClientSampleId :

RE132D5-20200608

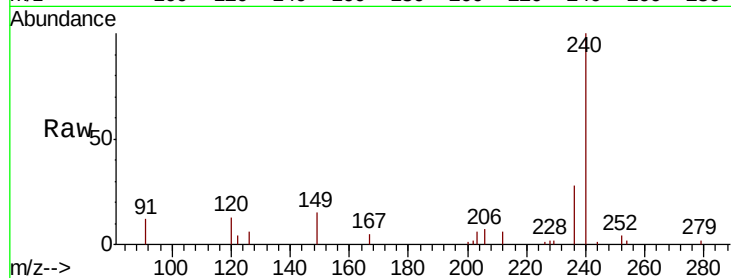
Tot Ion:240 Resp: 10823

Ion Ratio Lower Upper

240 100

120 13.4 7.5 11.3#

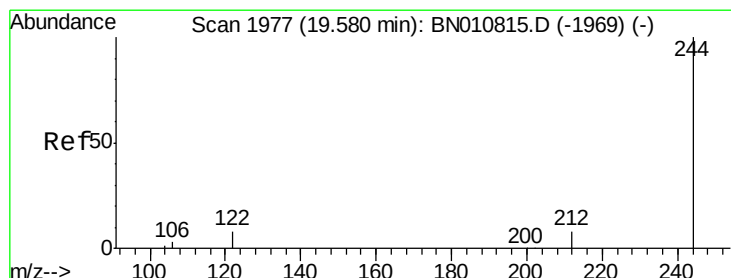
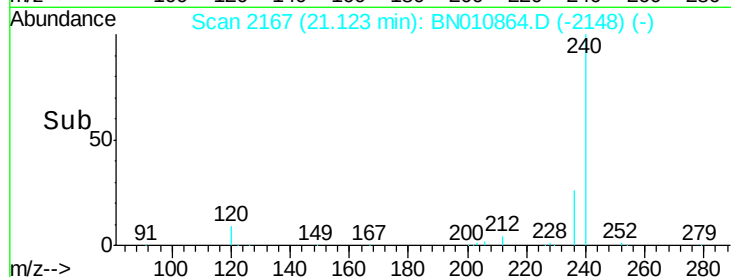
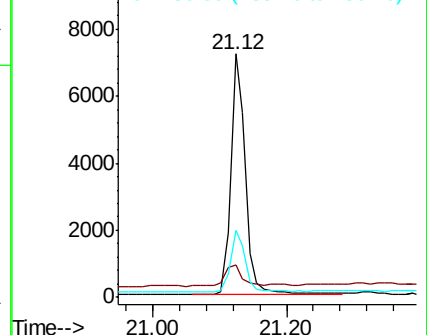
236 27.7 22.3 33.5



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



#29

Terphenyl-d14

Concen: 0.531 ng

RT: 19.57 min Scan# 1974

Delta R.T. 0.01 min

Lab File: BN010864.D

Acq: 13 Jun 2020 04:31

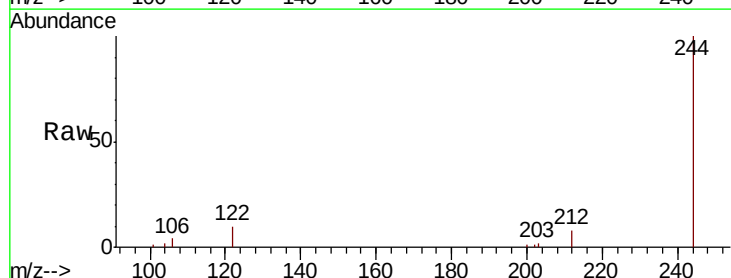
Tgt Ion:244 Resp: 13444

Ion Ratio Lower Upper

244 100

212 8.3 7.4 11.2

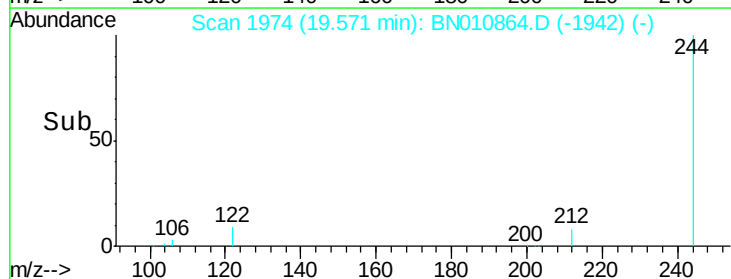
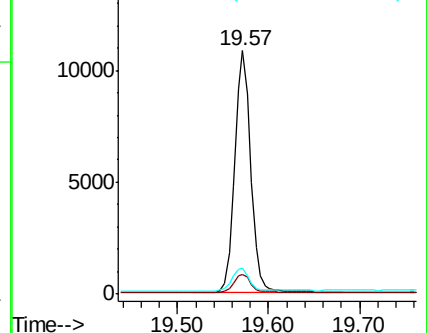
122 10.5 7.5 11.3

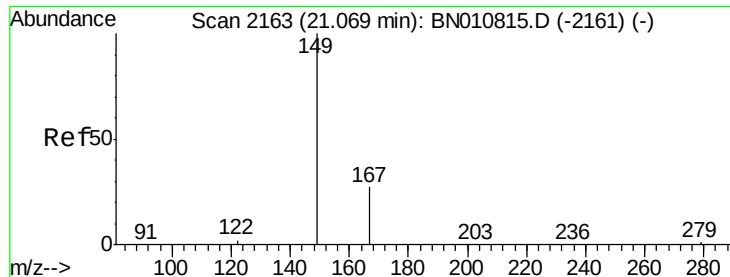


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#32

Bis(2-ethylhexyl)phthalate

Concen: 0.812 ng

RT: 21.07 min Scan# 2162

Delta R.T. 0.01 min

Lab File: BN010864.D

Acq: 13 Jun 2020 04:31

Instrument :

BNA_N

ClientSampleId :

RE132D5-20200608

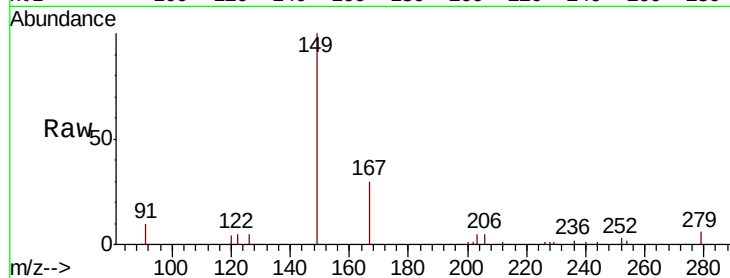
Tot Ion:149 Resp: 8608

Ion Ratio Lower Upper

149 100

167 28.5 24.1 36.1

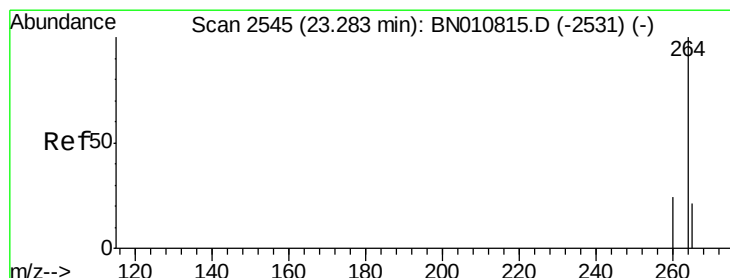
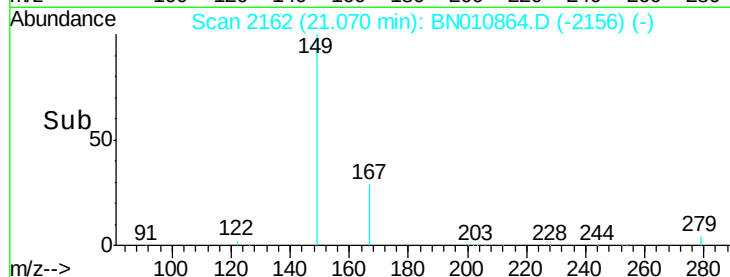
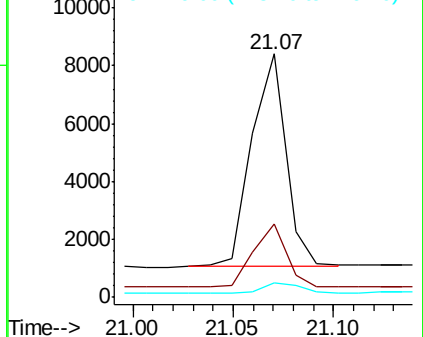
279 4.9 4.6 7.0



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



#34

Perylene-d12

Concen: 0.400 ng

RT: 23.27 min Scan# 2541

Delta R.T. 0.01 min

Lab File: BN010864.D

Acq: 13 Jun 2020 04:31

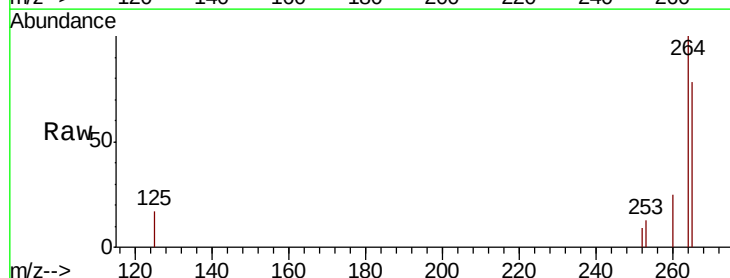
Tgt Ion:264 Resp: 11882

Ion Ratio Lower Upper

264 100

260 25.5 20.4 30.6

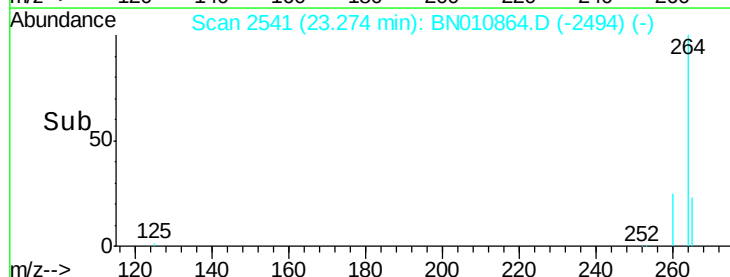
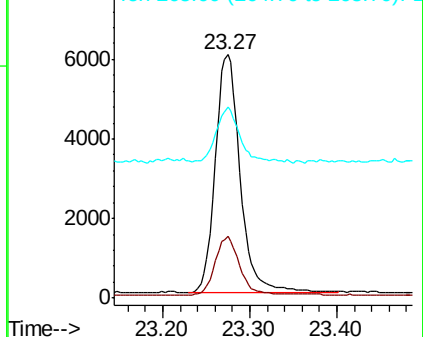
265 78.4 75.0 112.4

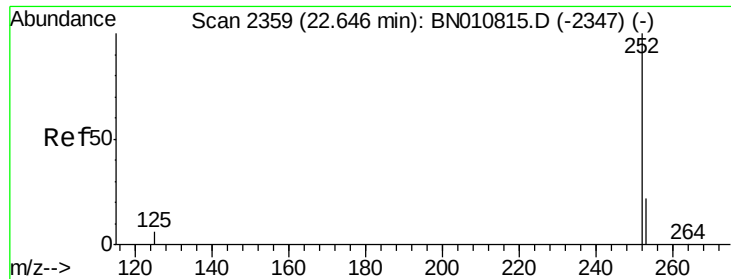


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E

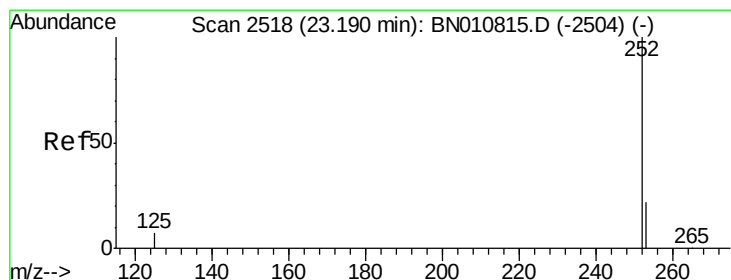
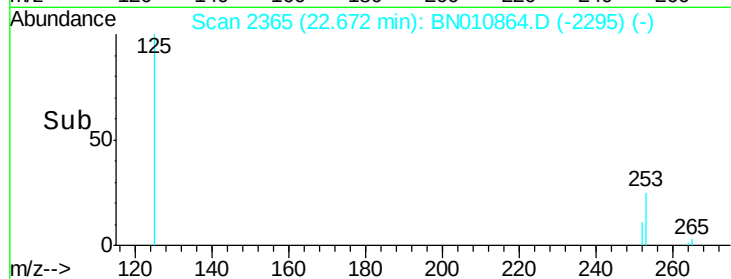
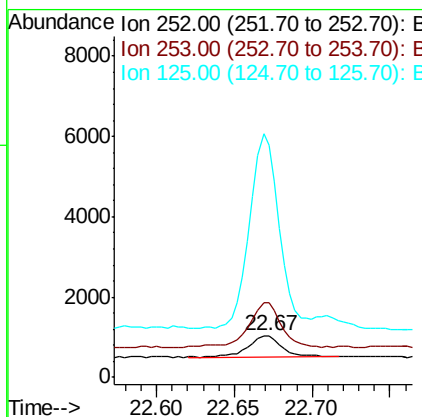
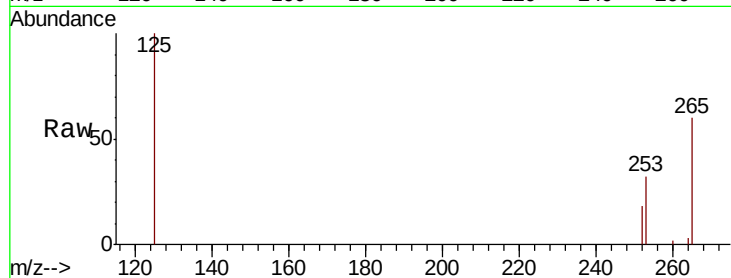




#35
Benzo(b)fluoranthene
Concen: 0.020 ng
RT: 22.67 min Scan# 2365
Delta R.T. 0.04 min
Lab File: BN010864.D
Acq: 13 Jun 2020 04:31

Instrument :
BNA_N
ClientSampleId :
RE132D5-20200608

Tot Ion:252 Resp: 823
Ion Ratio Lower Upper
252 100
253 178.9 22.4 33.6#
125 561.6 9.4 14.0#



#37
Benzo(a)pyrene
Concen: 0.021 ng
RT: 23.21 min Scan# 2521
Delta R.T. 0.04 min
Lab File: BN010864.D
Acq: 13 Jun 2020 04:31

Tgt Ion:252 Resp: 723
Ion Ratio Lower Upper
252 100
253 176.6 25.8 38.8#
125 555.2 12.4 18.6#

