

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN061520\
 Data File : BN010894.D
 Acq On : 16 Jun 2020 06:47
 Operator : CG/JU
 Sample : L2989-08
 Misc :
 ALS Vial : 29 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 RE122D2-20200610

Quant Time: Jun 16 09:48:17 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 15 11:09:46 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.54	152	2478	0.40	ng	0.00
7) Naphthalene-d8	10.30	136	8714	0.40	ng	0.00
13) Acenaphthene-d10	14.16	164	4898	0.40	ng	0.00
19) Phenanthrene-d10	16.92	188	9691	0.40	ng	0.00
27) Chrysene-d12	21.12	240	8610	0.40	ng	0.00
34) Perylene-d12	23.27	264	9077	0.40	ng	0.00

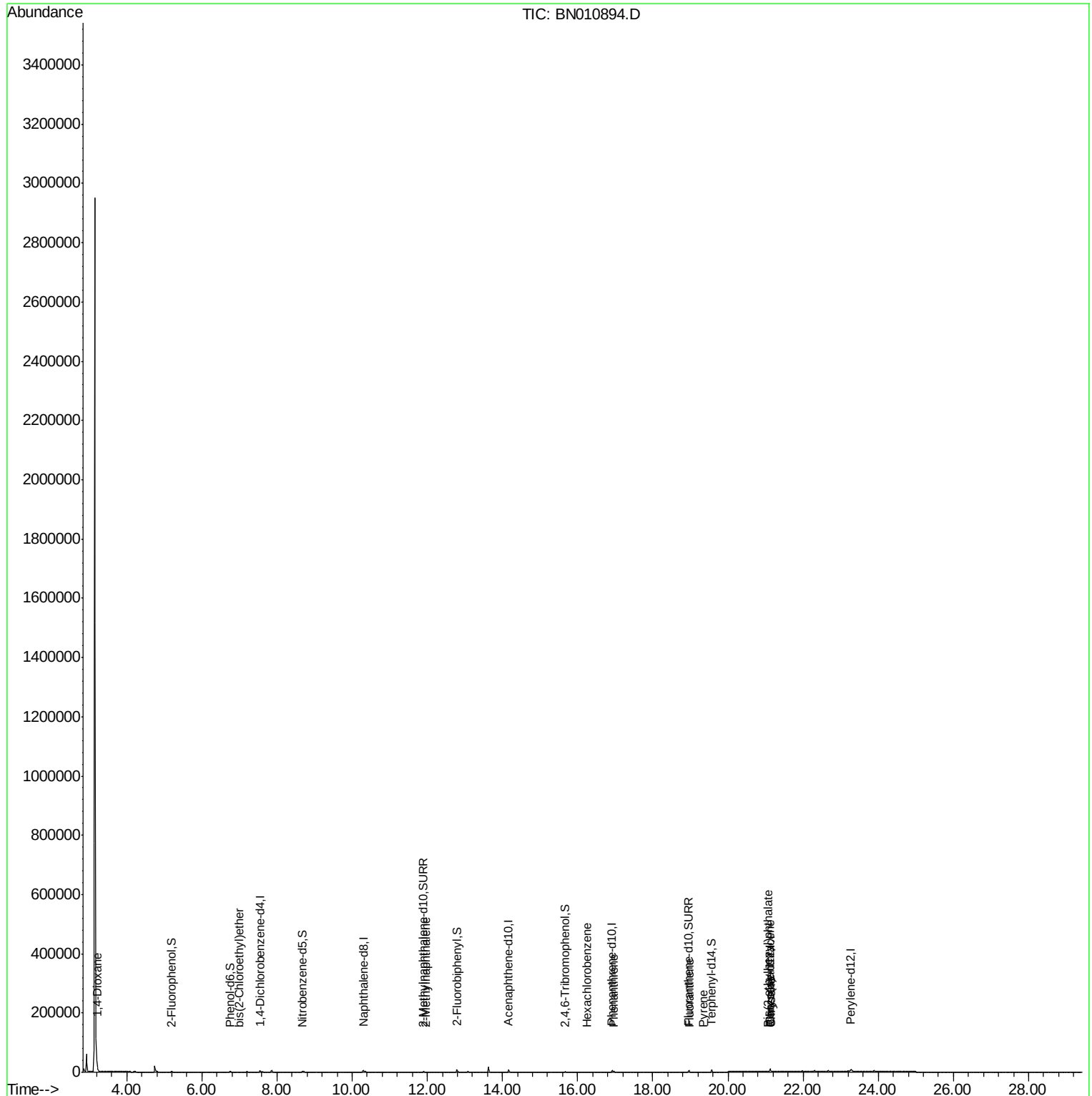
System Monitoring Compounds						
4) 2-Fluorophenol	5.20	112	775	0.16	ng	0.00
5) Phenol-d6	6.74	99	530	0.09	ng	0.00
8) Nitrobenzene-d5	8.68	82	2343	0.36	ng	0.00
11) 2-Methylnaphthalene-d10	11.89	152	4287	0.32	ng	0.00
14) 2,4,6-Tribromophenol	15.67	330	561	0.32	ng	0.00
15) 2-Fluorobiphenyl	12.79	172	7571	0.39	ng	0.00
25) Fluoranthene-d10	18.96	212	9441	0.35	ng	0.00
29) Terphenyl-d14	19.57	244	9801	0.49	ng	0.00

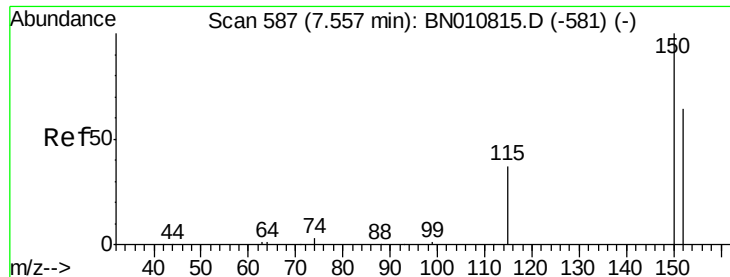
Target Compounds				Qvalue		
2) 1,4-Dioxane	3.22	88	11328	4.667	ng	96
6) bis(2-Chloroethyl)ether	6.99	93	279	0.051	ng	98
12) 2-Methylnaphthalene	11.97	142	370	0.025	ng	# 88
21) Hexachlorobenzene	16.24	284	145	0.024	ng	# 91
23) Phenanthrene	16.96	178	702	0.027	ng	100
26) Fluoranthene	18.99	202	727	0.024	ng	# 91
28) Pyrene	19.35	202	723	0.025	ng	96
30) Benzo(a)anthracene	21.11	228	643	0.025	ng	# 82
31) Chrysene	21.16	228	746	0.025	ng	# 83
32) Bis(2-ethylhexyl)phthalate	21.06	149	970	0.115	ng	# 95

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

```
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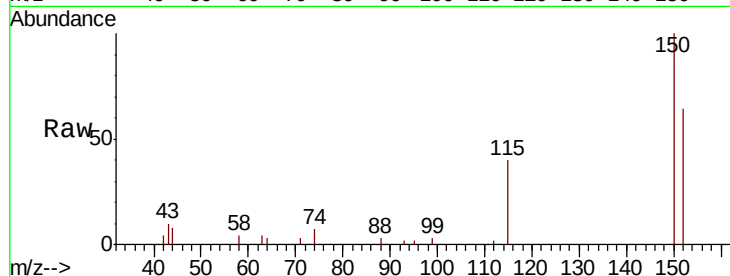


#1

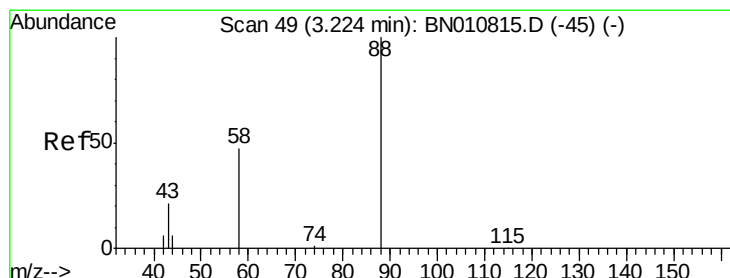
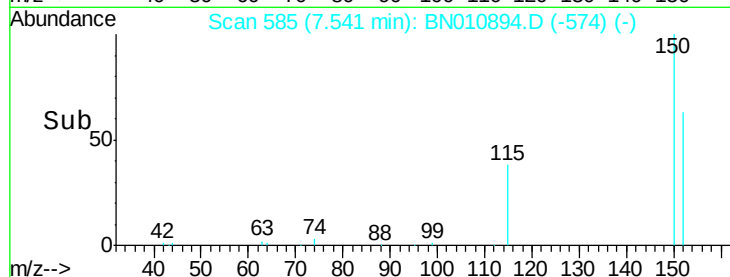
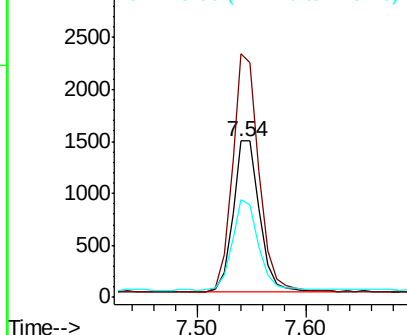
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.54 min Scan# 585
Delta R.T. -0.01 min
Lab File: BN010894.D
Acq: 16 Jun 2020 06:47

Instrument :
BNA_N
ClientSampleId :
RE122D2-20200610

Tot Ion:152 Resp: 2478
Ion Ratio Lower Upper
152 100
150 155.6 123.8 185.6
115 62.8 49.2 73.8



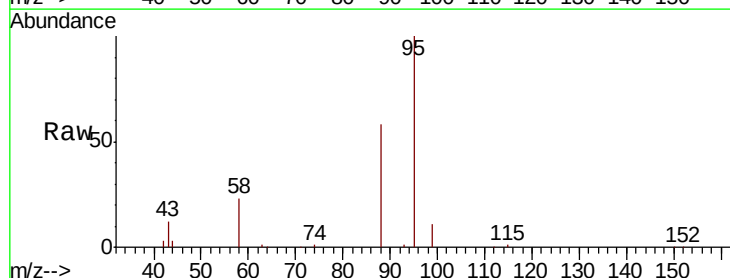
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



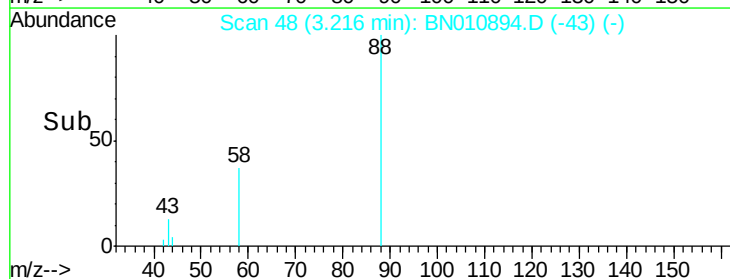
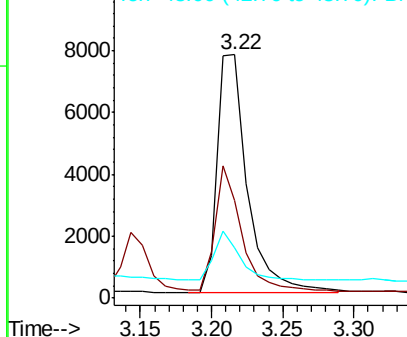
#2

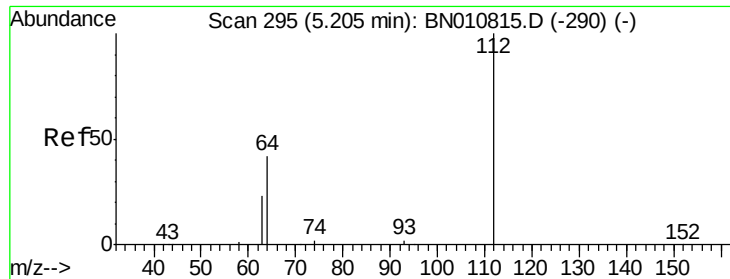
1,4-Dioxane
Concen: 4.667 ng
RT: 3.22 min Scan# 48
Delta R.T. -0.01 min
Lab File: BN010894.D
Acq: 16 Jun 2020 06:47

Tgt Ion: 88 Resp: 11328
Ion Ratio Lower Upper
88 100
58 45.2 38.2 57.4
43 17.5 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: 0.162 ng

RT: 5.20 min Scan# 294

Delta R.T. 0.00 min

Lab File: BN010894.D

Acq: 16 Jun 2020 06:47

Instrument :

BNA_N

ClientSampleId :

RE122D2-20200610

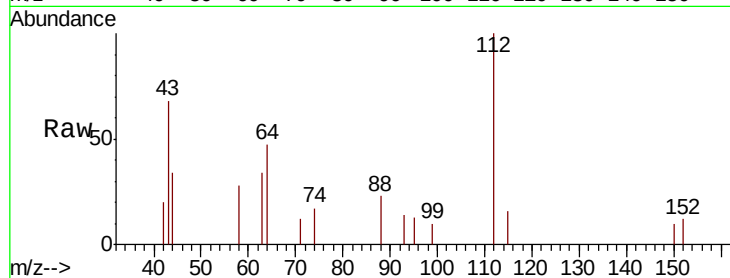
Tot Ion:112 Resp: 775

Ion Ratio Lower Upper

112 100

64 43.1 37.4 56.0

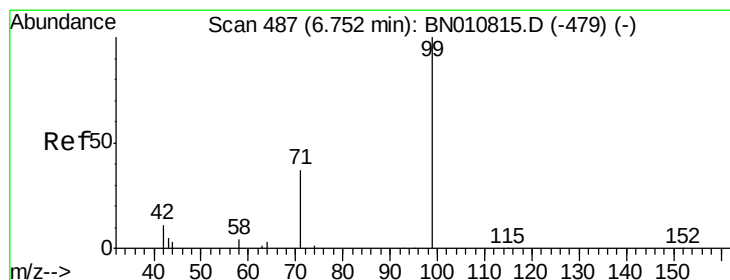
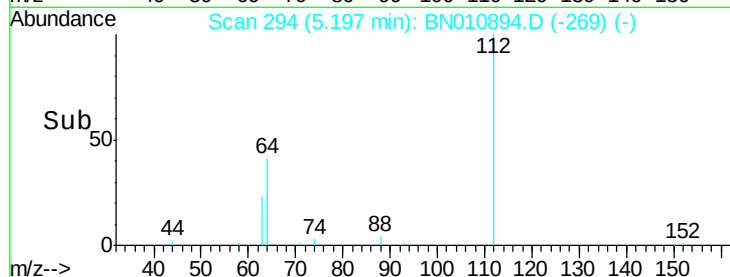
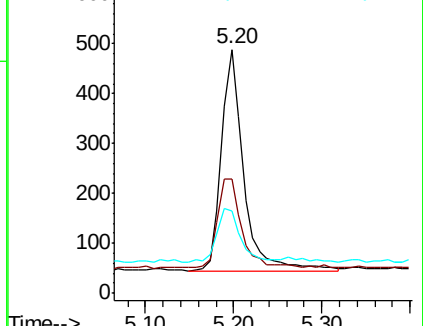
63 26.6 22.2 33.4



Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BN0

Ion 63.00 (62.70 to 63.70): BN0



#5

Phenol-d6

Concen: 0.094 ng

RT: 6.74 min Scan# 486

Delta R.T. 0.00 min

Lab File: BN010894.D

Acq: 16 Jun 2020 06:47

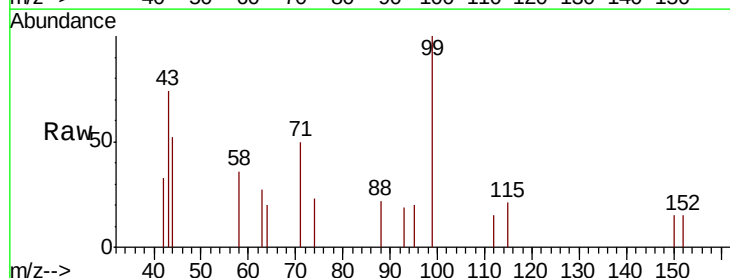
Tgt Ion: 99 Resp: 530

Ion Ratio Lower Upper

99 100

42 24.3 11.1 16.7#

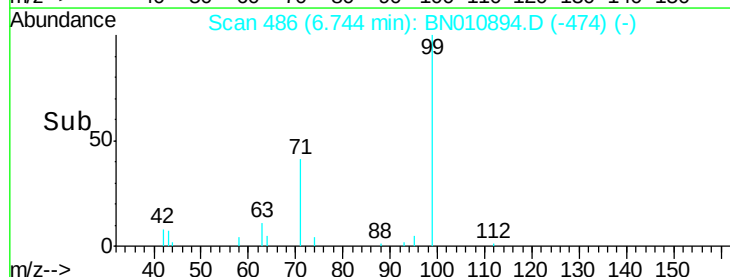
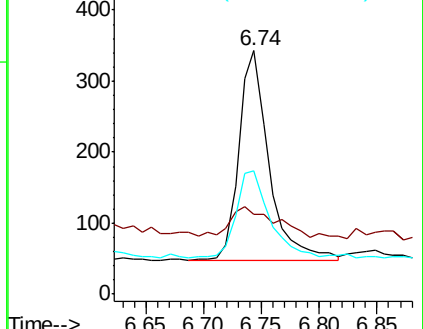
71 45.8 31.4 47.2

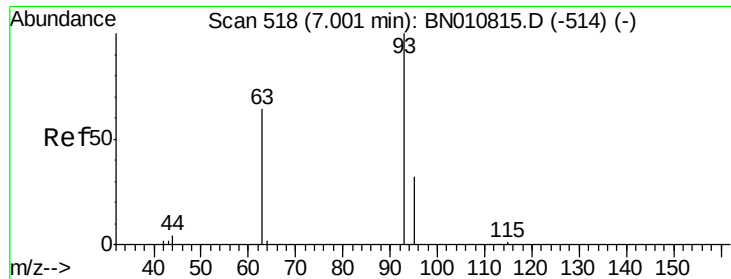


Abundance Ion 99.00 (98.70 to 99.70): BN0

Ion 42.00 (41.70 to 42.70): BN0

Ion 71.00 (70.70 to 71.70): BN0





#6

bis(2-Chloroethyl)ether

Concen: 0.051 ng

RT: 6.99 min Scan# 517

Delta R.T. 0.00 min

Lab File: BN010894.D

Acq: 16 Jun 2020 06:47

Instrument :

BNA_N

ClientSampleId :

RE122D2-20200610

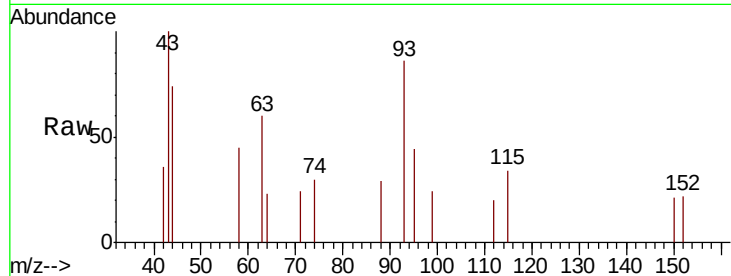
Tot Ion: 93 Resp: 279

Ion Ratio Lower Upper

93 100

63 63.4 49.4 74.2

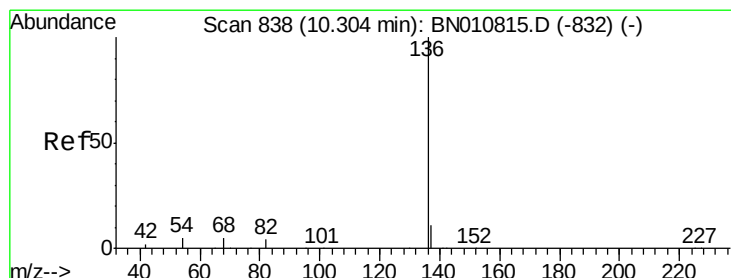
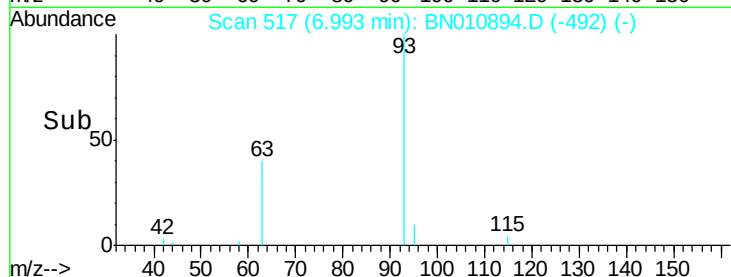
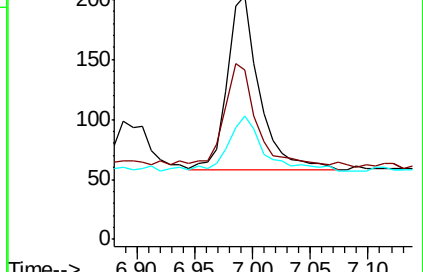
95 34.4 26.7 40.1



Abundance Ion 93.00 (92.70 to 93.70): BN010815.D (-514) (-)

Ion 63.00 (62.70 to 63.70): BN010815.D (-514) (-)

Ion 95.00 (94.70 to 95.70): BN010815.D (-514) (-)



#7

Naphthalene-d8

Concen: 0.400 ng

RT: 10.30 min Scan# 838

Delta R.T. 0.00 min

Lab File: BN010894.D

Acq: 16 Jun 2020 06:47

Tgt Ion: 136 Resp: 8714

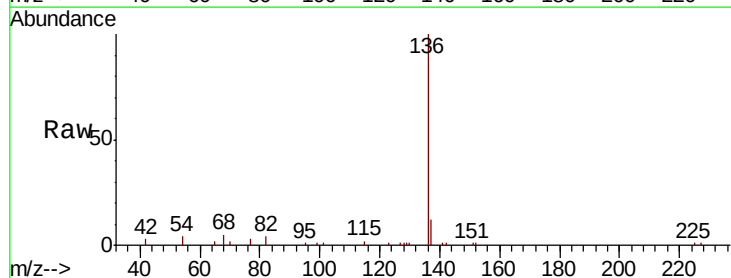
Ion Ratio Lower Upper

136 100

137 12.2 9.7 14.5

54 3.9 4.9 7.3#

68 4.6 4.7 7.1#

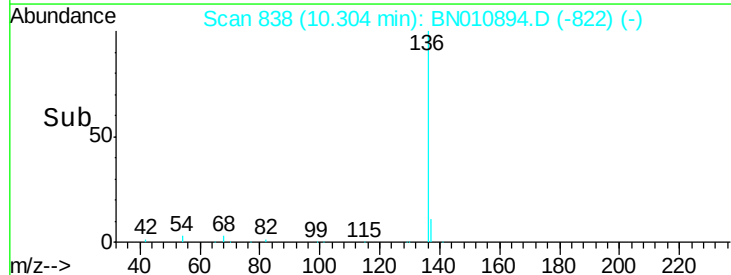
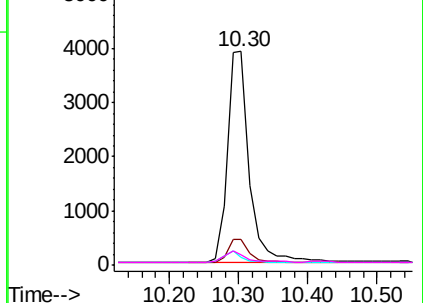


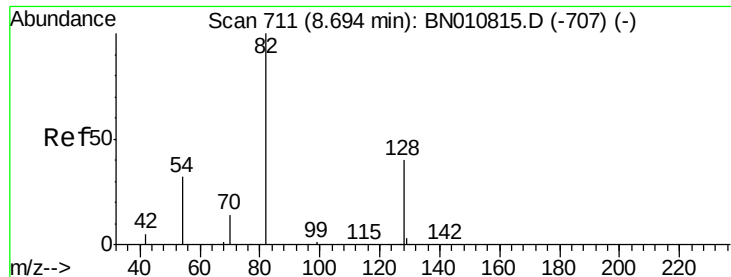
Abundance Ion 136.00 (135.70 to 136.70): BN010815.D (-832) (-)

Ion 137.00 (136.70 to 137.70): BN010815.D (-832) (-)

Ion 54.00 (53.70 to 54.70): BN010815.D (-832) (-)

Ion 68.00 (67.70 to 68.70): BN010815.D (-832) (-)

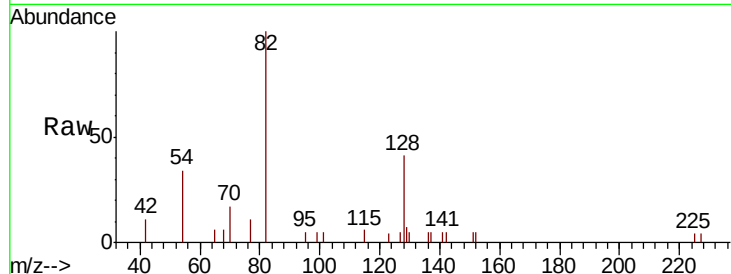




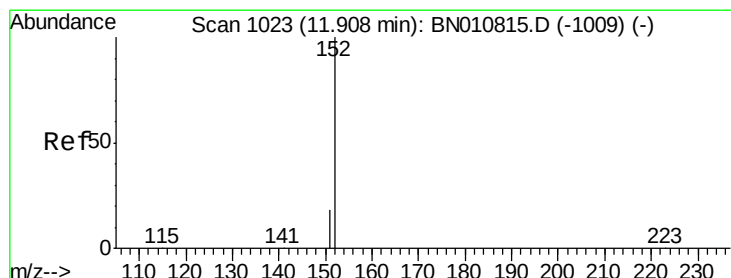
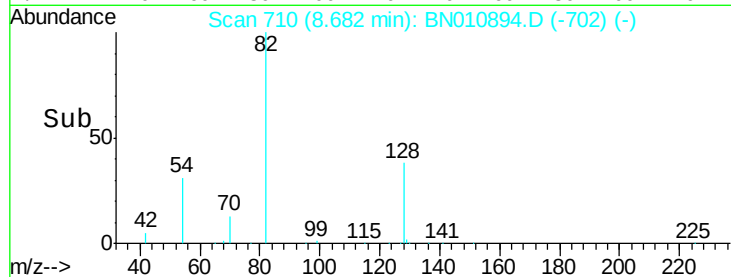
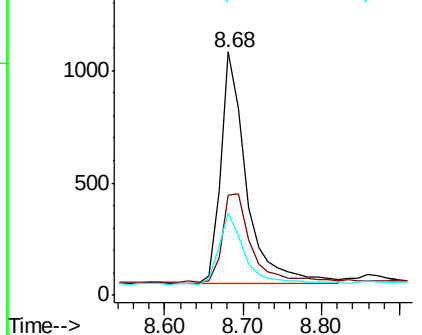
#8
 Nitrobenzene-d5
 Concen: 0.363 ng
 RT: 8.68 min Scan# 710
 Delta R.T. 0.00 min
 Lab File: BN010894.D
 Acq: 16 Jun 2020 06:47

Instrument :
 BNA_N
 ClientSampleId :
 RE122D2-20200610

Tot Ion	82	Resp	2343
Ion Ratio	Lower	Upper	
82	100		
128	41.5	35.4	53.0
54	33.8	28.2	42.4

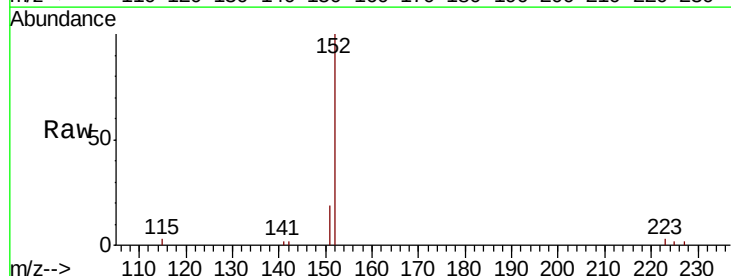


Abundance Ion 82.00 (81.70 to 82.70): BN010894.D (-707) (-)

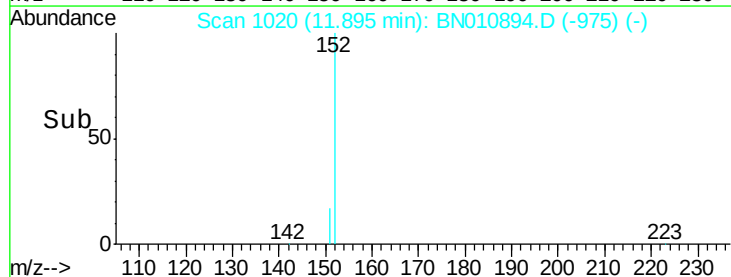
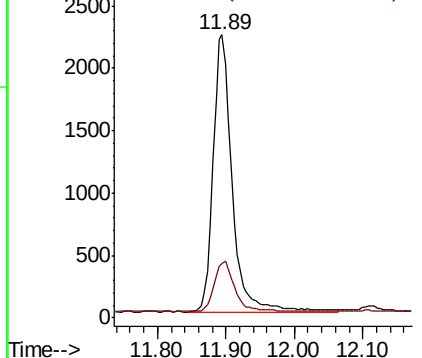


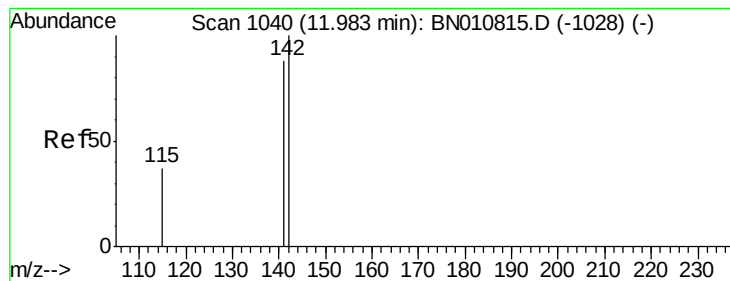
#11
 2-Methylnaphthalene-d10
 Concen: 0.317 ng
 RT: 11.89 min Scan# 1020
 Delta R.T. 0.00 min
 Lab File: BN010894.D
 Acq: 16 Jun 2020 06:47

Tgt Ion	152	Resp	4287
Ion Ratio	Lower	Upper	
152	100		
151	19.4	15.3	22.9



Abundance Ion 152.00 (151.70 to 152.70): BN010894.D (-975) (-)





#12

2-Methylnaphthalene

Concen: 0.025 ng

RT: 11.97 min Scan# 1036

Delta R.T. -0.00 min

Lab File: BN010894.D

Acq: 16 Jun 2020 06:47

Instrument :

BNA_N

ClientSampleId :

RE122D2-20200610

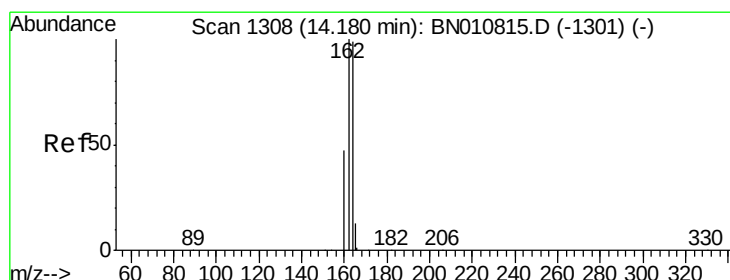
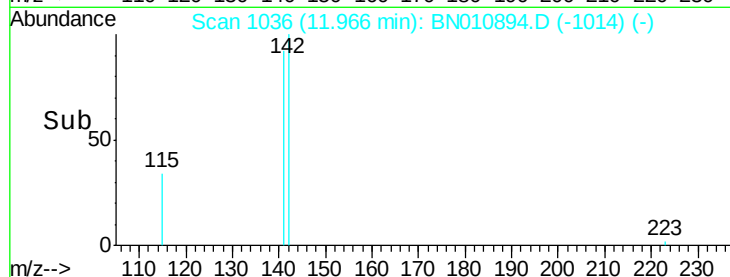
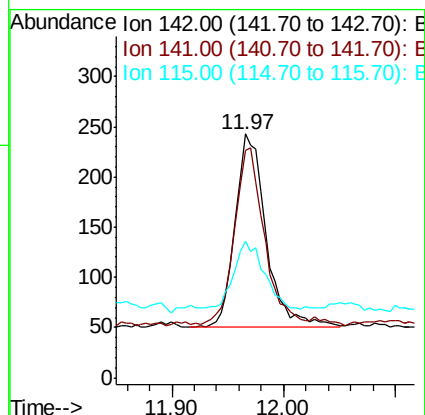
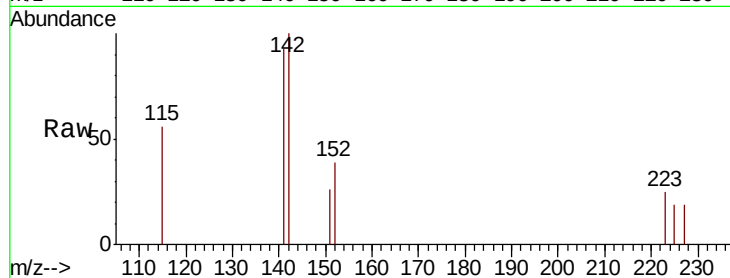
Tot Ion:142 Resp: 370

Ion Ratio Lower Upper

142 100

141 93.0 70.8 106.2

115 56.0 31.5 47.3#



#13

Acenaphthene-d10

Concen: 0.400 ng

RT: 14.16 min Scan# 1306

Delta R.T. -0.00 min

Lab File: BN010894.D

Acq: 16 Jun 2020 06:47

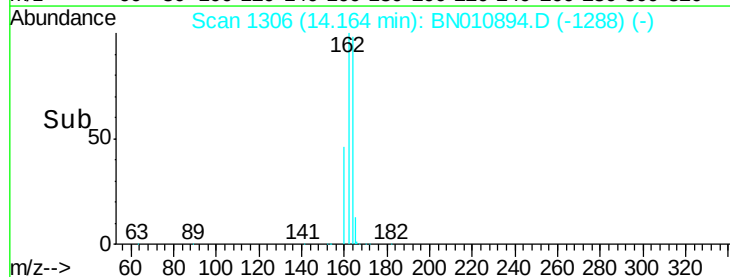
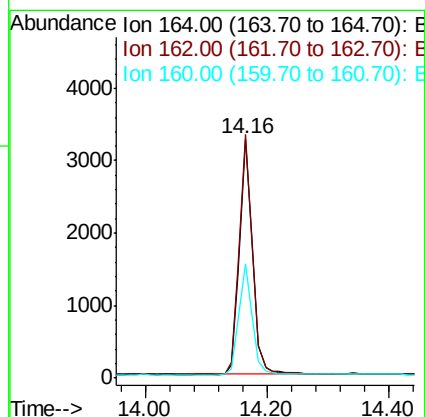
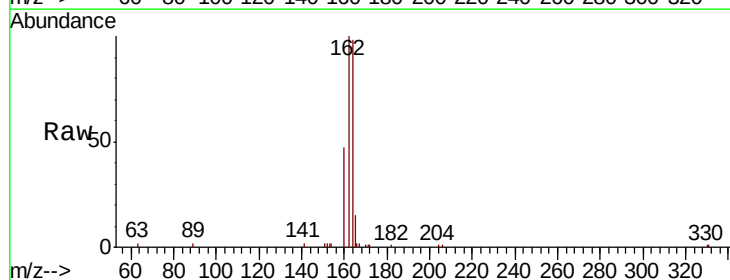
Tgt Ion:164 Resp: 4898

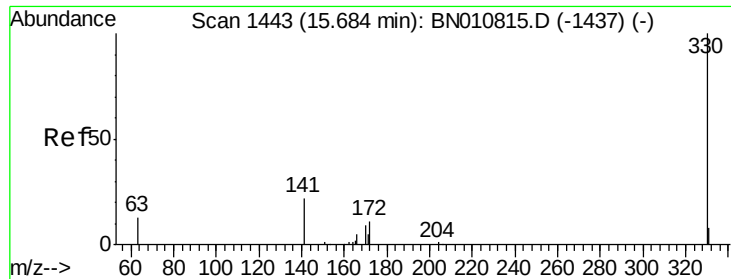
Ion Ratio Lower Upper

164 100

162 102.0 81.0 121.6

160 47.6 38.9 58.3

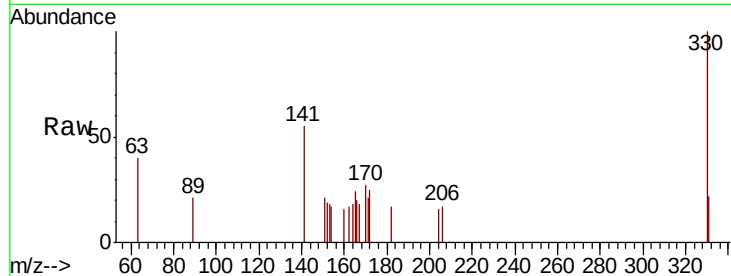




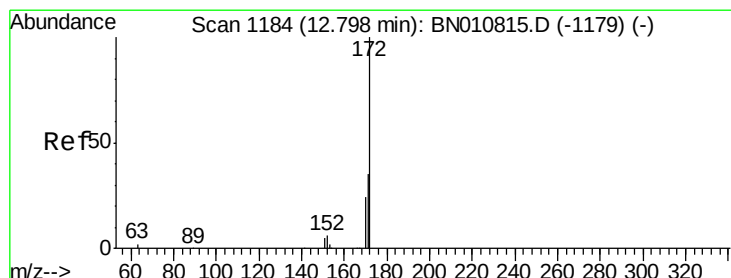
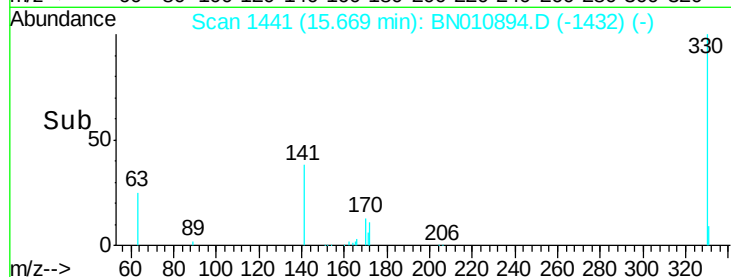
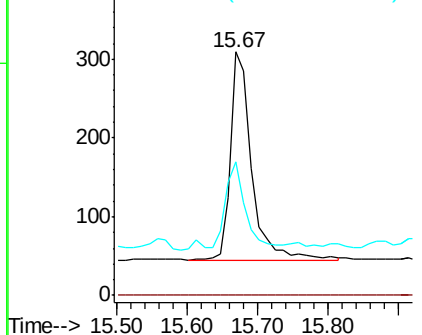
#14
 2,4,6-Tribromophenol
 Concen: 0.320 ng
 RT: 15.67 min Scan# 1441
 Delta R.T. -0.00 min
 Lab File: BN010894.D
 Acq: 16 Jun 2020 06:47

Instrument :
 BNA_N
 ClientSampleId :
 RE122D2-20200610

Tot Ion:330 Resp: 561
 Ion Ratio Lower Upper
 330 100
 332 0.0 0.0 0.0
 141 41.9 33.2 49.8

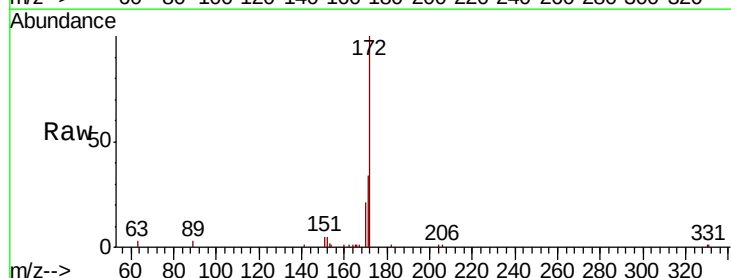


Abundance Ion 330.00 (329.70 to 330.70): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

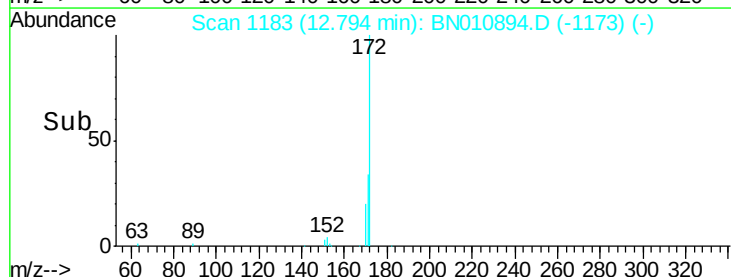
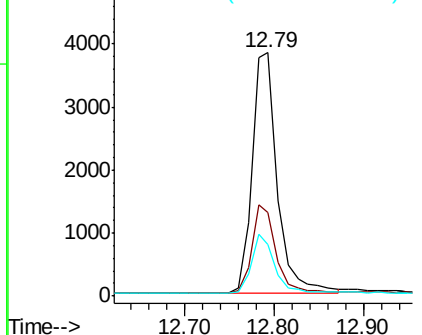


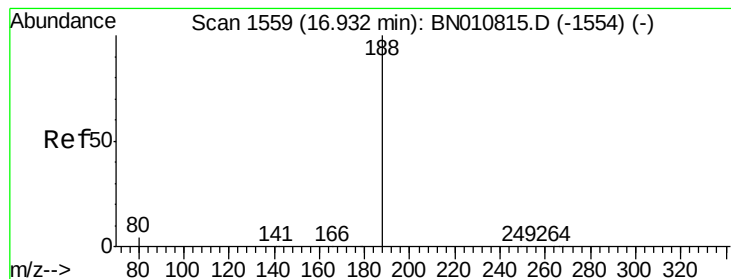
#15
 2-Fluorobiphenyl
 Concen: 0.392 ng
 RT: 12.79 min Scan# 1183
 Delta R.T. 0.01 min
 Lab File: BN010894.D
 Acq: 16 Jun 2020 06:47

Tgt Ion:172 Resp: 7571
 Ion Ratio Lower Upper
 172 100
 171 34.3 28.5 42.7
 170 21.3 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. -0.00 min

Lab File: BN010894.D

Acq: 16 Jun 2020 06:47

Instrument :

BNA_N

ClientSampleId :

RE122D2-20200610

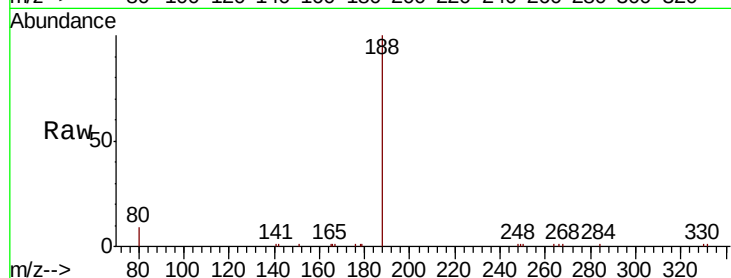
Tot Ion:188 Resp: 9691

Ion Ratio Lower Upper

188 100

94 0.0 0.0 0.0

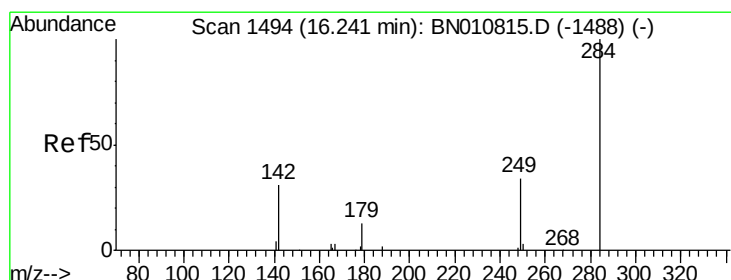
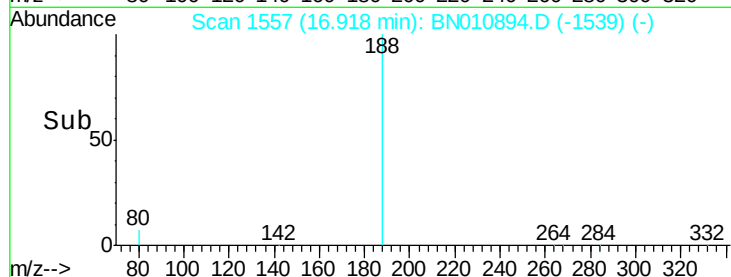
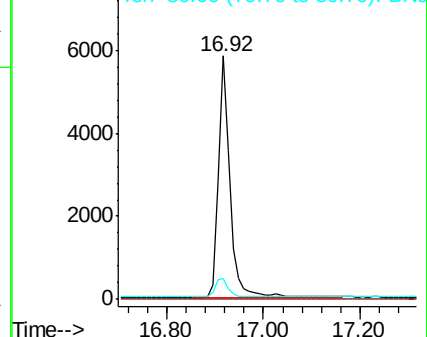
80 8.5 4.5 6.7#



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



#21

Hexachlorobenzene

Concen: 0.024 ng

RT: 16.24 min Scan# 1493

Delta R.T. 0.01 min

Lab File: BN010894.D

Acq: 16 Jun 2020 06:47

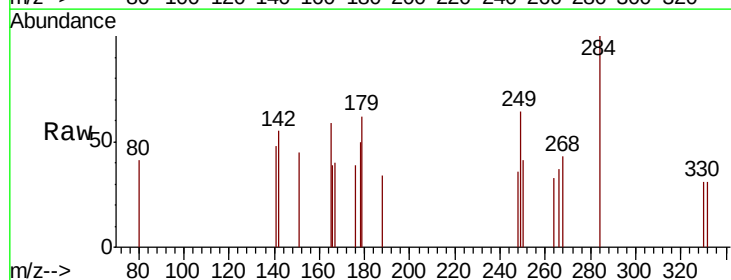
Tgt Ion:284 Resp: 145

Ion Ratio Lower Upper

284 100

142 35.9 31.0 46.4

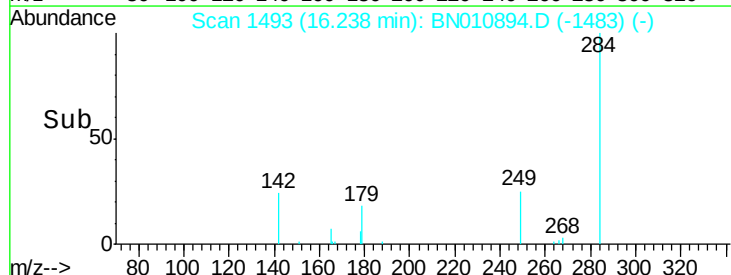
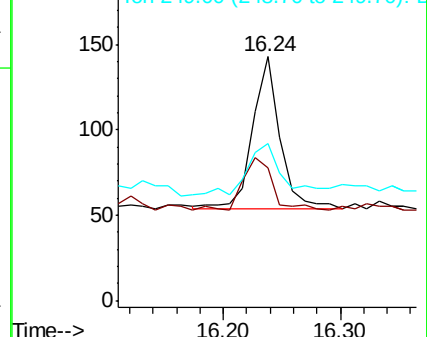
249 42.1 27.1 40.7#

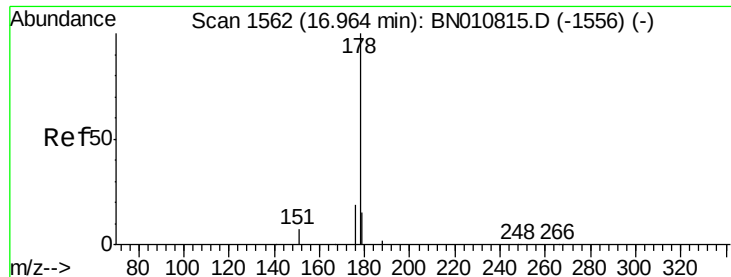


Abundance Ion 283.80 (283.50 to 284.50): E

Ion 142.00 (141.70 to 142.70): E

Ion 249.00 (248.70 to 249.70): E





#23

Phenanthrene

Concen: 0.027 ng

RT: 16.96 min Scan# 1561

Delta R.T. -0.00 min

Lab File: BN010894.D

Acq: 16 Jun 2020 06:47

Instrument :

BNA_N

ClientSampleId :

RE122D2-20200610

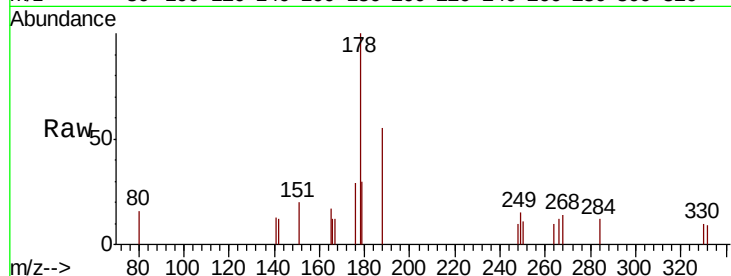
Tot Ion:178 Resp: 702

Ion Ratio Lower Upper

178 100

176 19.4 15.3 22.9

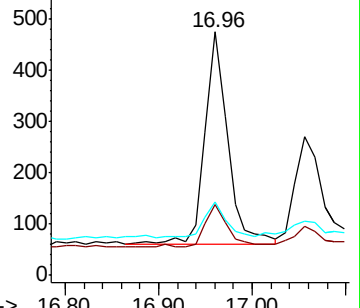
179 16.0 12.6 19.0



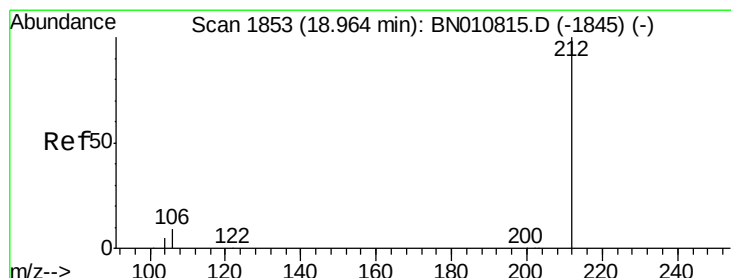
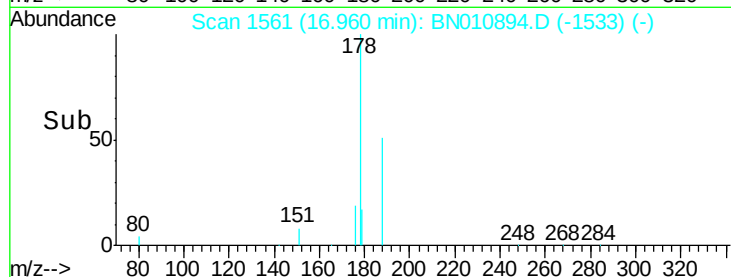
Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



Time--> 16.80 16.90 17.00



#25

Fluoranthene-d10

Concen: 0.353 ng

RT: 18.96 min Scan# 1850

Delta R.T. -0.00 min

Lab File: BN010894.D

Acq: 16 Jun 2020 06:47

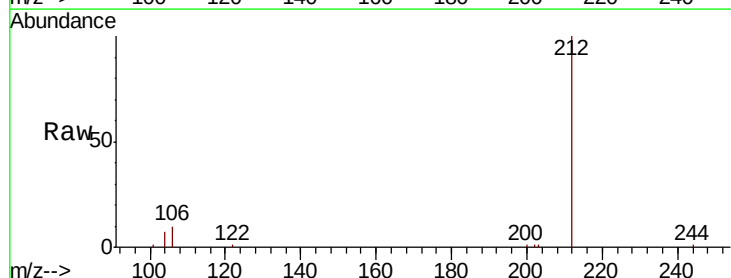
Tgt Ion:212 Resp: 9441

Ion Ratio Lower Upper

212 100

106 9.5 6.6 10.0

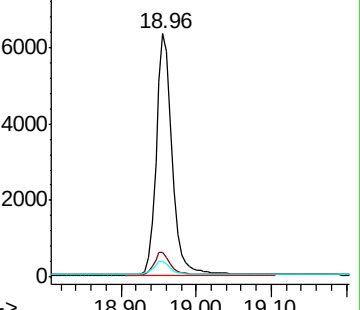
104 5.5 4.0 6.0



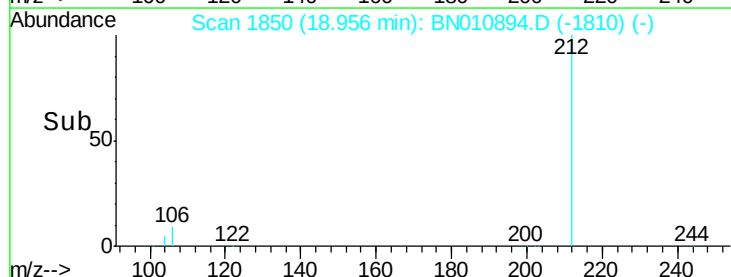
Abundance Ion 212.00 (211.70 to 212.70): E

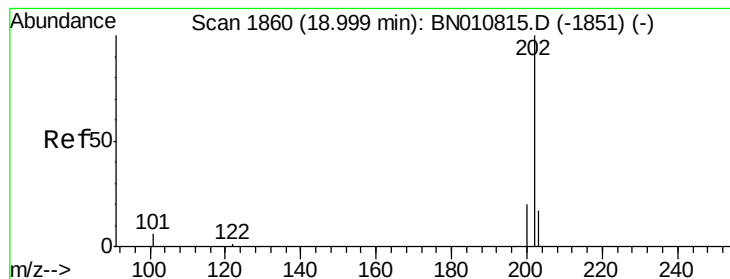
Ion 106.00 (105.70 to 106.70): E

Ion 104.00 (103.70 to 104.70): E



Time--> 18.90 19.00 19.10





#26

Fluoranthene

Concen: 0.024 ng

RT: 18.99 min Scan# 1856

Delta R.T. -0.00 min

Lab File: BN010894.D

Acq: 16 Jun 2020 06:47

Instrument :

BNA_N

ClientSampleId :

RE122D2-20200610

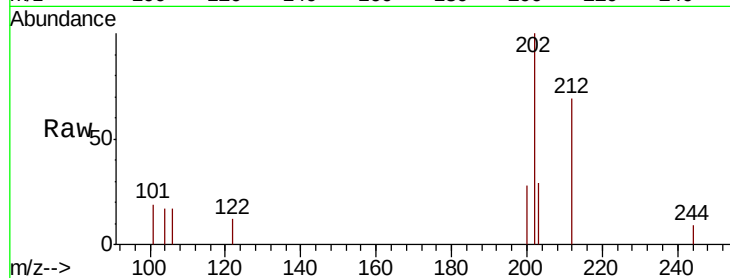
Tot Ion:202 Resp: 727

Ion Ratio Lower Upper

202 100

101 9.1 5.8 8.6#

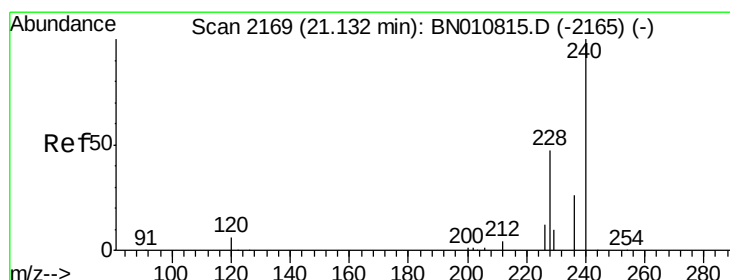
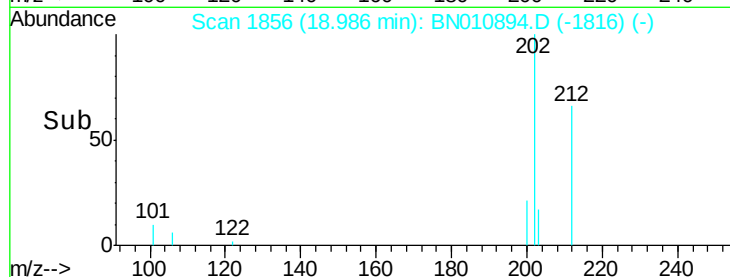
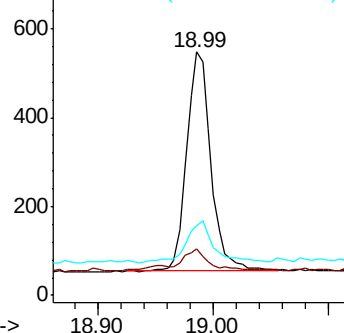
203 21.6 13.7 20.5#



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



#27

Chrysene-d12

Concen: 0.400 ng

RT: 21.12 min Scan# 2167

Delta R.T. -0.01 min

Lab File: BN010894.D

Acq: 16 Jun 2020 06:47

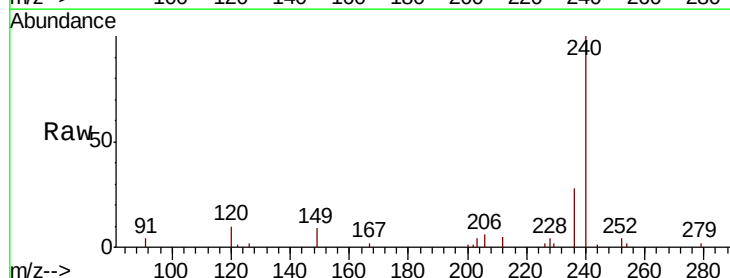
Tgt Ion:240 Resp: 8610

Ion Ratio Lower Upper

240 100

120 9.9 7.5 11.3

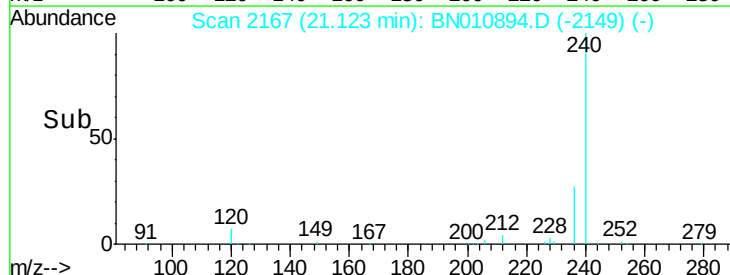
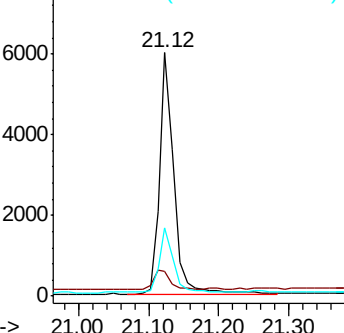
236 27.9 22.3 33.5

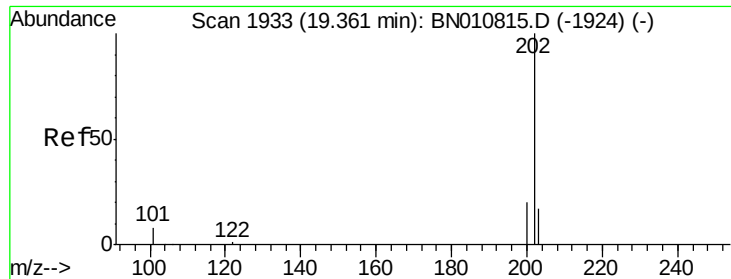


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

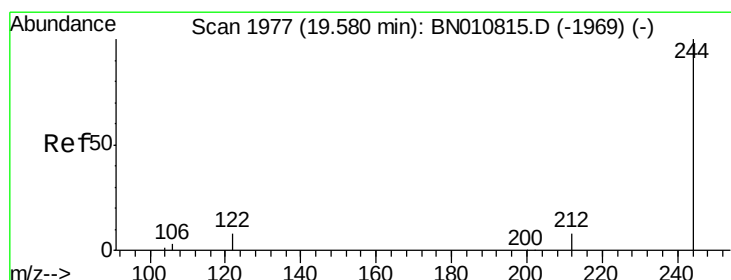
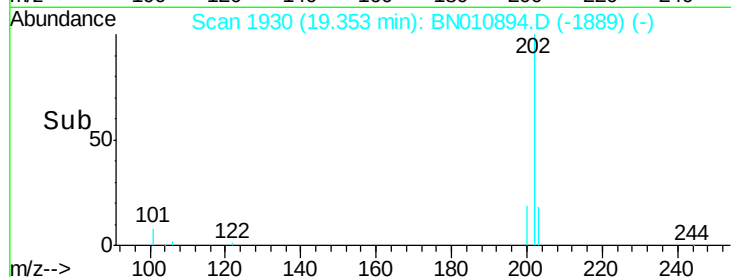
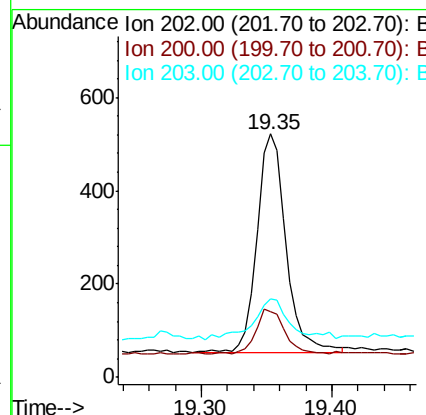
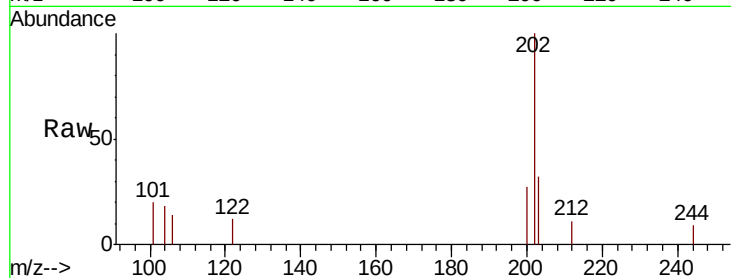




#28
Pvrene
Concen: 0.025 ng
RT: 19.35 min Scan# 1930
Delta R.T. 0.00 min
Lab File: BN010894.D
Acq: 16 Jun 2020 06:47

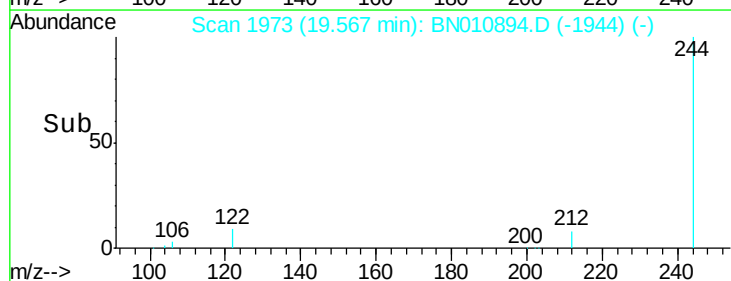
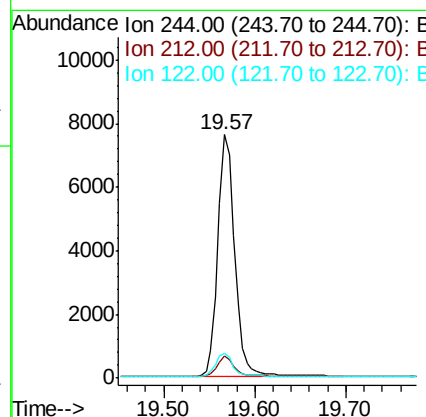
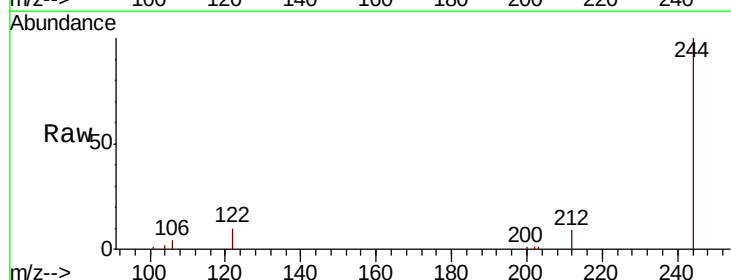
Instrument :
BNA_N
ClientSampleId :
RE122D2-20200610

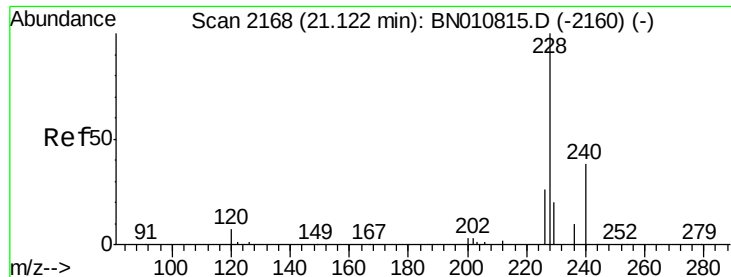
Tot Ion:202 Resp: 723
Ion Ratio Lower Upper
202 100
200 20.5 16.4 24.6
203 21.3 14.2 21.4



#29
Terphenyl-d14
Concen: 0.486 ng
RT: 19.57 min Scan# 1973
Delta R.T. -0.01 min
Lab File: BN010894.D
Acq: 16 Jun 2020 06:47

Tgt Ion:244 Resp: 9801
Ion Ratio Lower Upper
244 100
212 8.9 7.4 11.2
122 10.1 7.5 11.3





#30

Benzo(a)anthracene

Concen: 0.025 ng

RT: 21.11 min Scan# 2166

Delta R.T. 0.00 min

Lab File: BN010894.D

Acq: 16 Jun 2020 06:47

Instrument :

BNA_N

ClientSampleId :

RE122D2-20200610

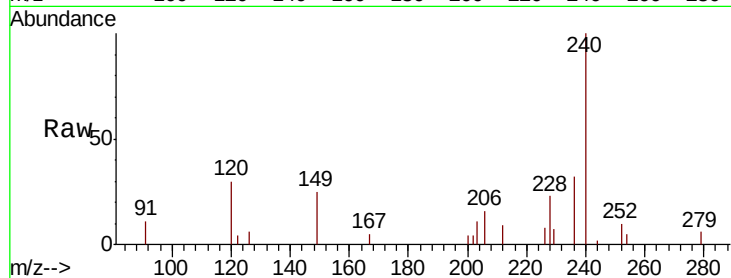
Tot Ion:228 Resp: 643

Ion Ratio Lower Upper

228 100

226 34.6 21.3 31.9#

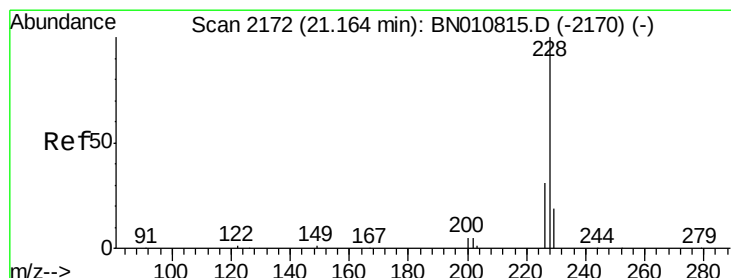
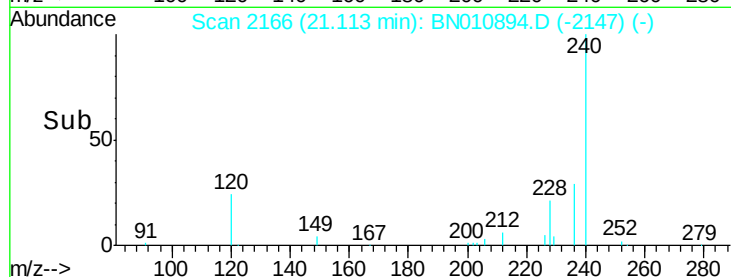
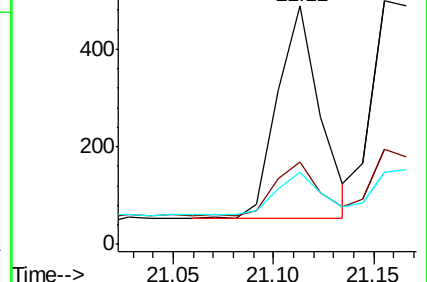
229 30.5 16.6 24.8#



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



#31

Chrysene

Concen: 0.025 ng

RT: 21.16 min Scan# 2170

Delta R.T. -0.01 min

Lab File: BN010894.D

Acq: 16 Jun 2020 06:47

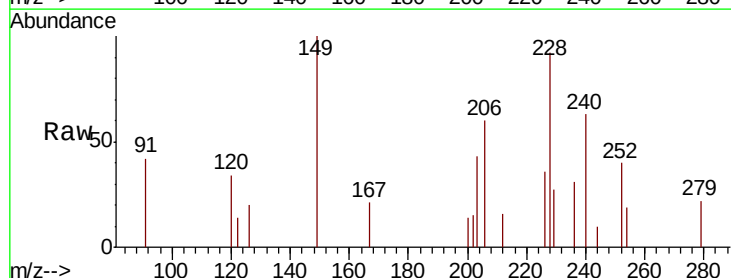
Tgt Ion:228 Resp: 746

Ion Ratio Lower Upper

228 100

226 39.3 25.0 37.6#

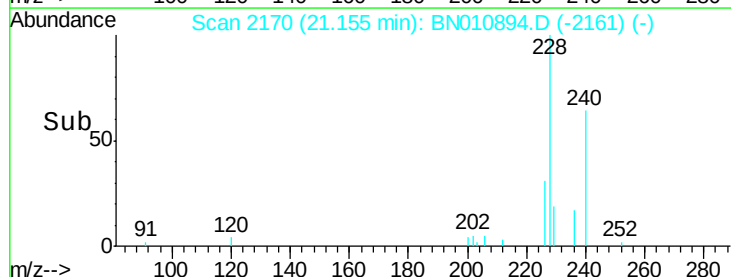
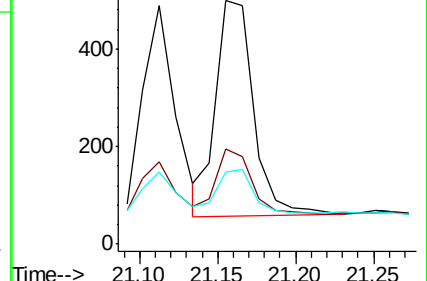
229 29.5 16.1 24.1#

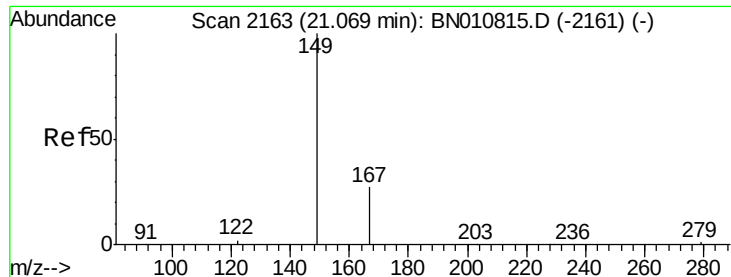


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#32

Bis(2-ethylhexyl)phthalate

Concen: 0.115 ng

RT: 21.06 min Scan# 2161

Delta R.T. -0.01 min

Lab File: BN010894.D

Acq: 16 Jun 2020 06:47

Instrument :

BNA_N

ClientSampleId :

RE122D2-20200610

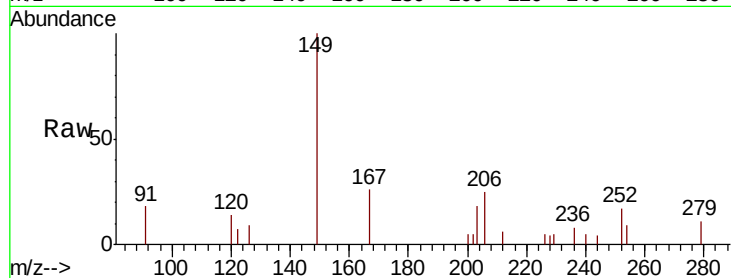
Tot Ion:149 Resp: 970

Ion Ratio Lower Upper

149 100

167 27.3 24.1 36.1

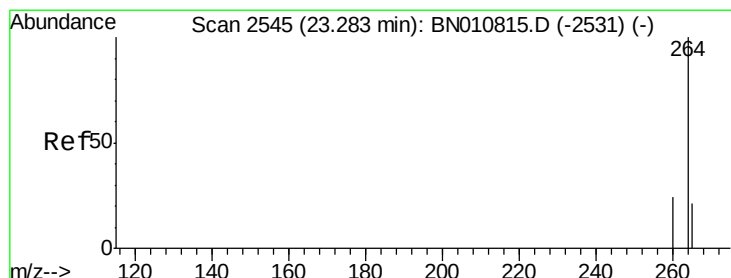
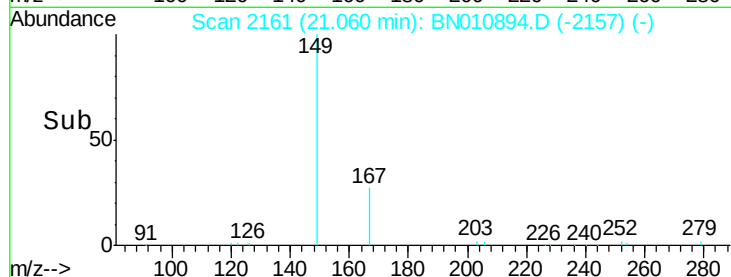
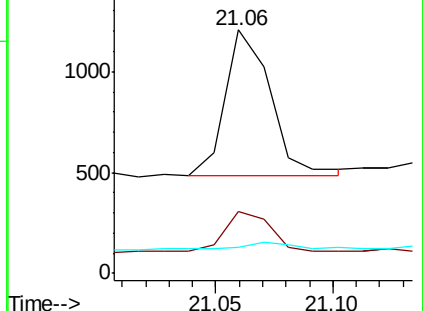
279 4.6 4.6 7.0#



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# 2540

Delta R.T. -0.01 min

Lab File: BN010894.D

Acq: 16 Jun 2020 06:47

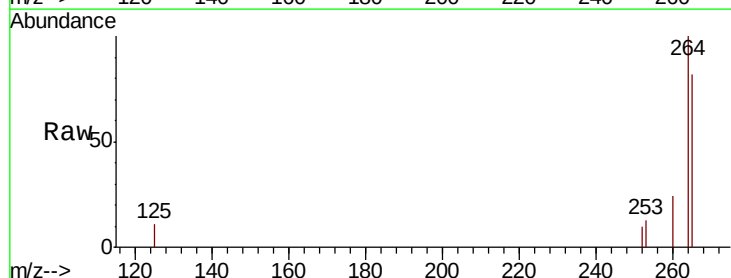
Tgt Ion:264 Resp: 9077

Ion Ratio Lower Upper

264 100

260 24.3 20.4 30.6

265 81.6 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

