

Data Path : Z:\svoasrv\HPCHEM1\BNA N\Data\BN061520\
 Data File : BN010897.D
 Acq On : 16 Jun 2020 08:35
 Operator : CG/JU
 Sample : L2989-11
 Misc :
 ALS Vial : 32 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 REDUP01-20200608

Quant Time: Jun 16 09:50:11 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\8270-SIM-BN061020.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Jun 16 08:49:35 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.54	152	2665	0.40	ng	0.00
7) Naphthalene-d8	10.29	136	9434	0.40	ng	-0.01
13) Acenaphthene-d10	14.17	164	5687	0.40	ng	0.00
19) Phenanthrene-d10	16.91	188	11613	0.40	ng	-0.01
27) Chrysene-d12	21.12	240	9968	0.40	ng	-0.01
34) Perylene-d12	23.27	264	10078	0.40	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Fluorophenol	5.20	112	733	0.14	ng	0.00
5) Phenol-d6	6.74	99	532	0.09	ng	0.00
8) Nitrobenzene-d5	8.68	82	2128	0.30	ng	0.00
11) 2-Methylnaphthalene-d10	11.89	152	3946	0.27	ng	0.00
14) 2,4,6-Tribromophenol	15.67	330	586	0.29	ng	0.00
15) 2-Fluorobiphenyl	12.79	172	6944	0.31	ng	0.00
25) Fluoranthene-d10	18.95	212	10689	0.33	ng	0.00
29) Terphenyl-d14	19.57	244	10337	0.44	ng	0.00

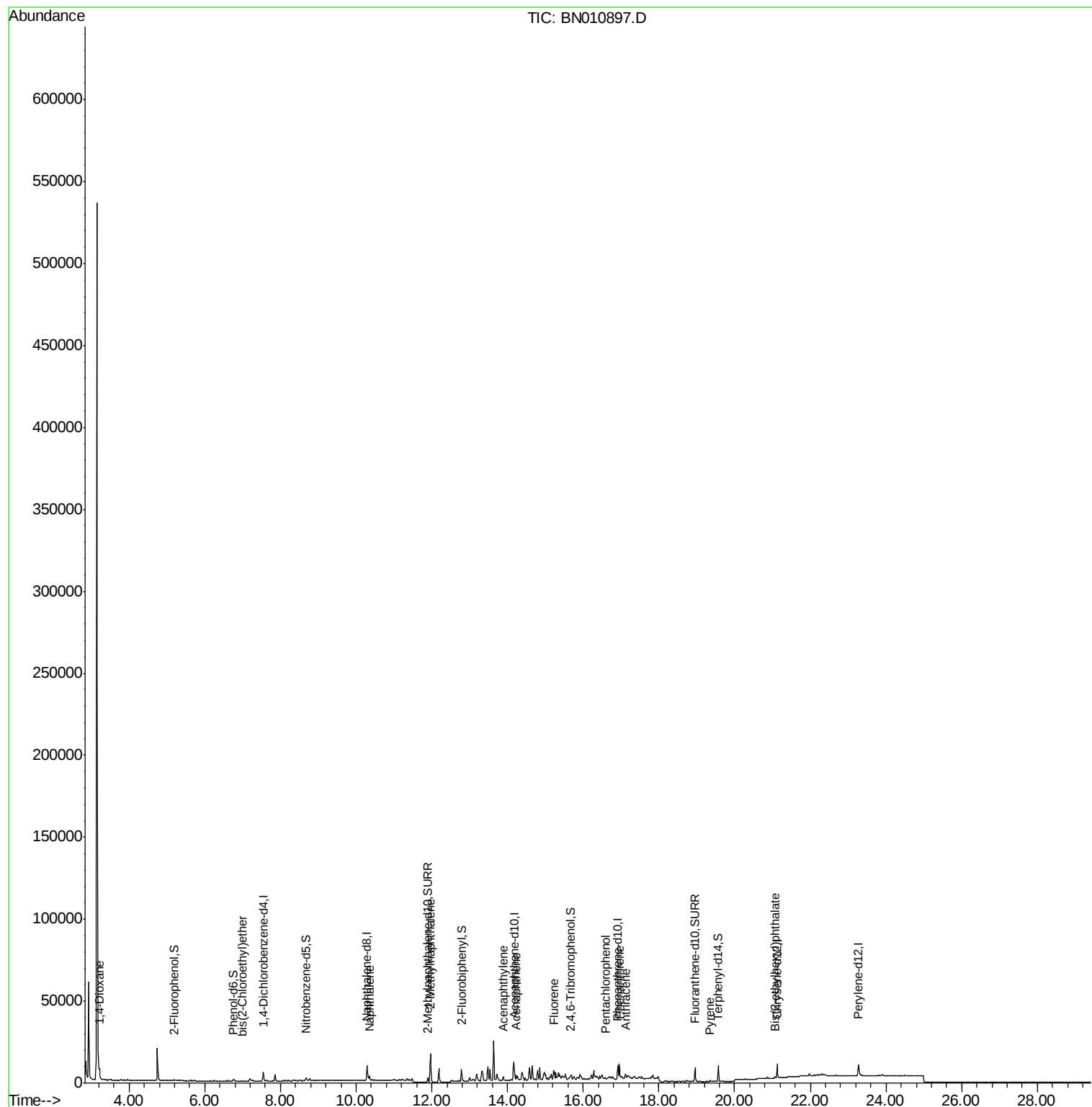
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) 1,4-Dioxane	3.22	88	3563	1.365	ng	96
6) bis(2-Chloroethyl)ether	6.99	93	151	0.026	ng	95
9) Naphthalene	10.34	128	3674	0.155	ng	96
12) 2-Methylnaphthalene	11.96	142	13206	0.832	ng	98
16) Acenaphthylene	13.89	152	524	0.022	ng	# 1
17) Acenaphthene	14.22	154	573	0.036	ng	# 69
18) Fluorene	15.22	166	2120	0.103	ng	# 81
22) Pentachlorophenol	16.58	266	99	0.041	ng	# 80
23) Phenanthrene	16.95	178	9909	0.312	ng	97
24) Anthracene	17.12	178	897	0.034	ng	# 1
28) Pyrene	19.35	202	1032	0.031	ng	# 83
32) Bis(2-ethylhexyl)phthalate	21.07	149	1043	0.107	ng	# 91

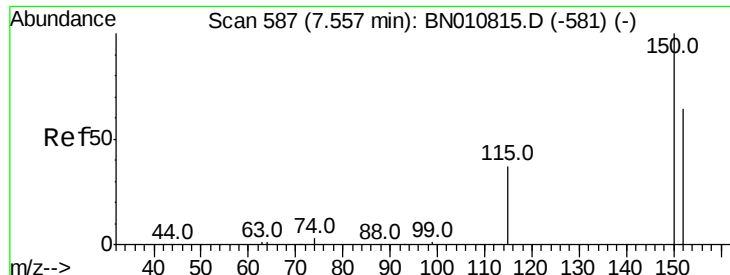
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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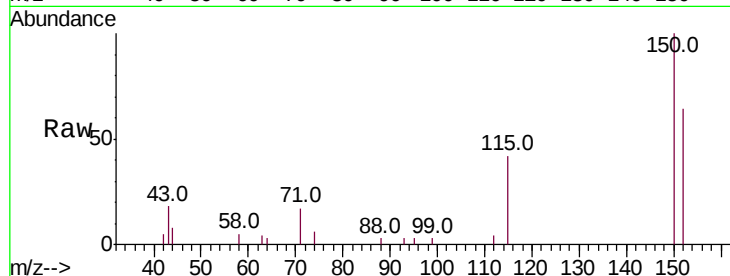




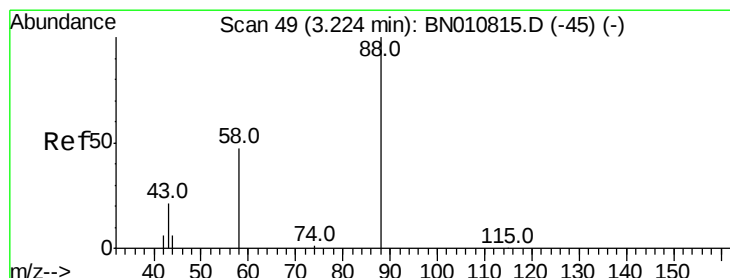
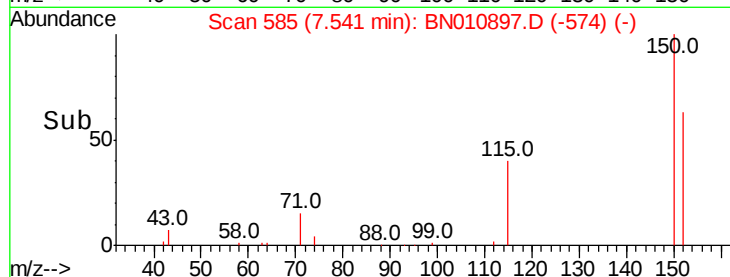
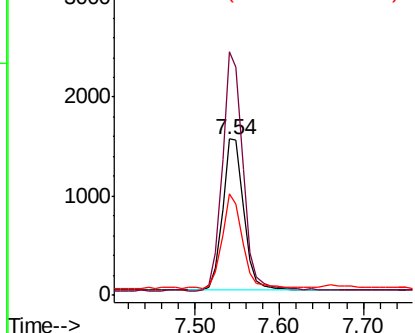
#1
 1,4-Dichlorobenzene-d4
 Concen: 0.400 ng
 RT: 7.54 min Scan# 585
 Delta R.T. -0.01 min
 Lab File: BN010897.D
 Acq: 16 Jun 2020 08:35

Instrument :
 BNA_N
 ClientSampleId :
 REDUP01-20200608

Tot Ion:152 Resp: 2665
 Ion Ratio Lower Upper
 152 100
 150 155.8 123.8 185.6
 115 65.2 49.2 73.8

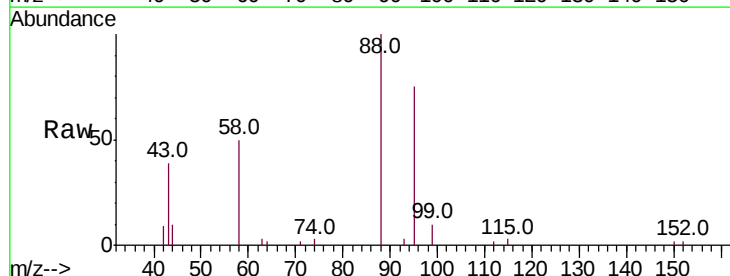


Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E

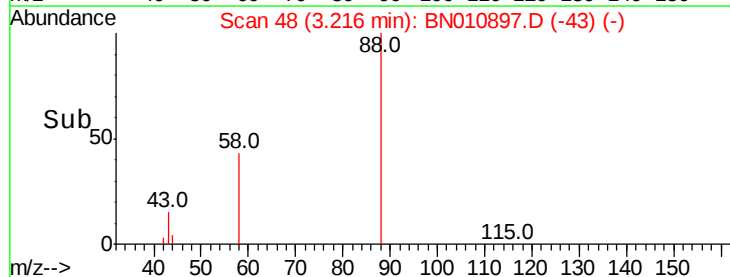
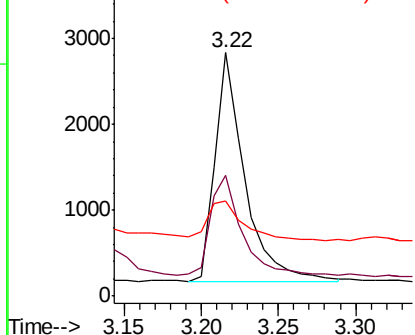


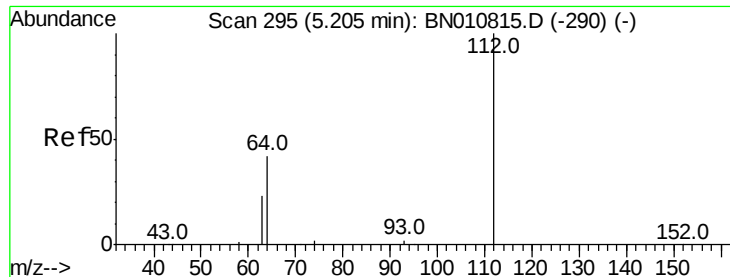
#2
 1,4-Dioxane
 Concen: 1.365 ng
 RT: 3.22 min Scan# 48
 Delta R.T. -0.01 min
 Lab File: BN010897.D
 Acq: 16 Jun 2020 08:35

Tgt Ion: 88 Resp: 3563
 Ion Ratio Lower Upper
 88 100
 58 45.5 38.2 57.4
 43 21.9 15.1 22.7



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: 0.142 ng

RT: 5.20 min Scan# 294

Delta R.T. -0.00 min

Lab File: BN010897.D

Acq: 16 Jun 2020 08:35

Instrument :

BNA_N

ClientSampleId :

REDUP01-20200608

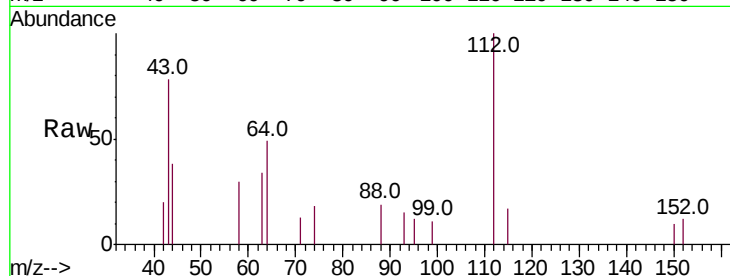
Tot Ion:112 Resp: 733

Ion Ratio Lower Upper

112 100

64 43.1 37.4 56.0

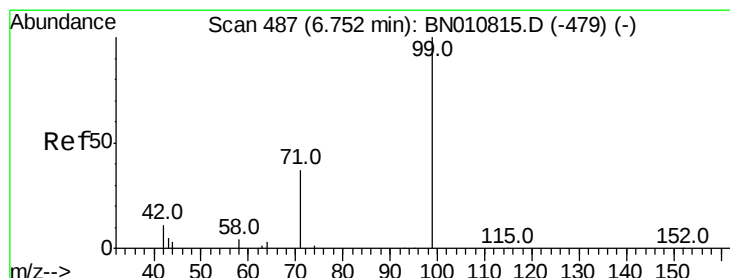
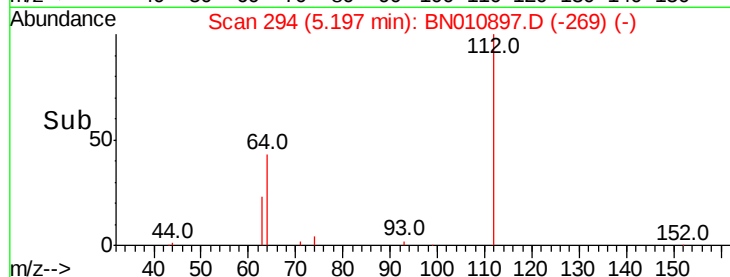
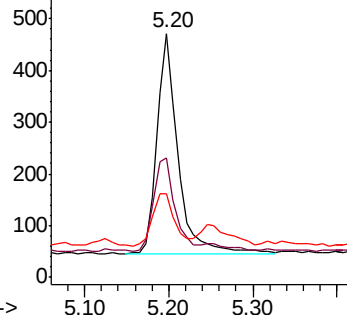
63 25.4 22.2 33.4



Abundance Ion 112.00 (111.70 to 112.70): BNC

Ion 64.00 (63.70 to 64.70): BNC

Ion 63.00 (62.70 to 63.70): BNC



#5

Phenol-d6

Concen: 0.088 ng

RT: 6.74 min Scan# 486

Delta R.T. -0.00 min

Lab File: BN010897.D

Acq: 16 Jun 2020 08:35

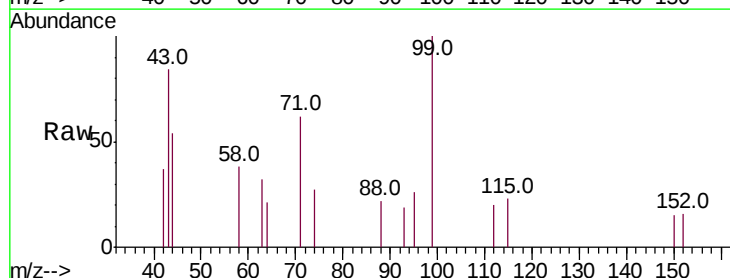
Tgt Ion: 99 Resp: 532

Ion Ratio Lower Upper

99 100

42 25.2 11.1 16.7#

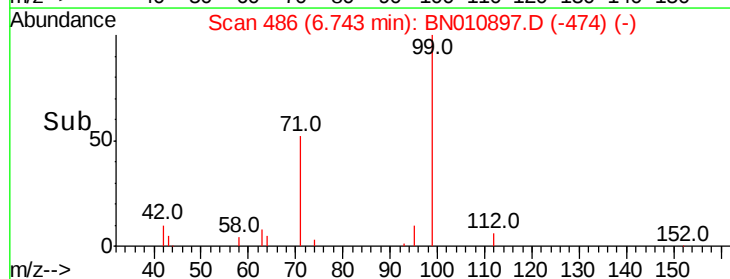
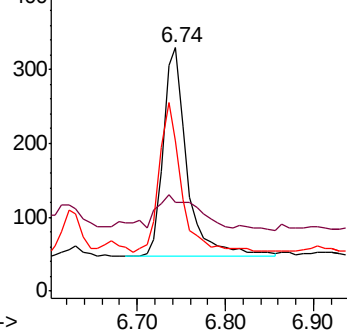
71 66.0 31.4 47.2#

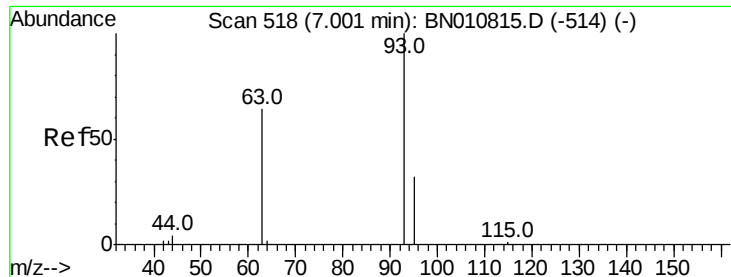


Abundance Ion 99.00 (98.70 to 99.70): BNC

Ion 42.00 (41.70 to 42.70): BNC

Ion 71.00 (70.70 to 71.70): BNC





#6

bis(2-Chloroethyl)ether

Concen: 0.026 ng

RT: 6.99 min Scan# 517

Delta R.T. -0.00 min

Lab File: BN010897.D

Acq: 16 Jun 2020 08:35

Instrument :

BNA_N

ClientSampleId :

REDUP01-20200608

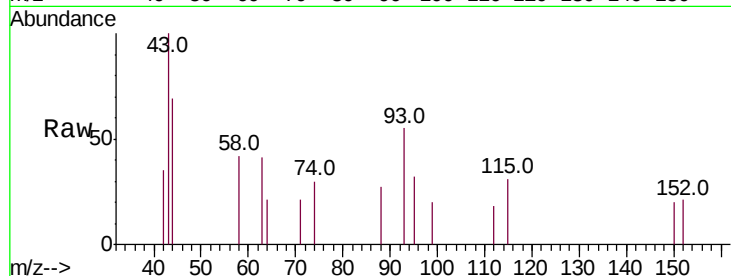
Tot Ion: 93 Resp: 151

Ion Ratio Lower Upper

93 100

63 66.9 49.4 74.2

95 32.5 26.7 40.1

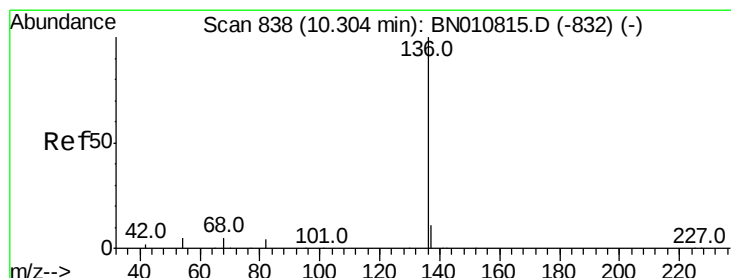
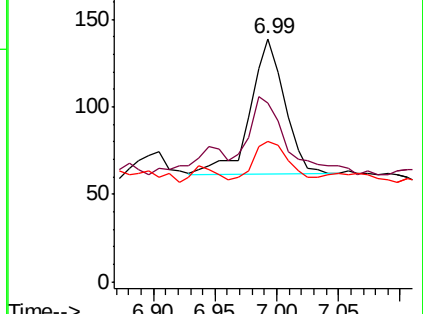
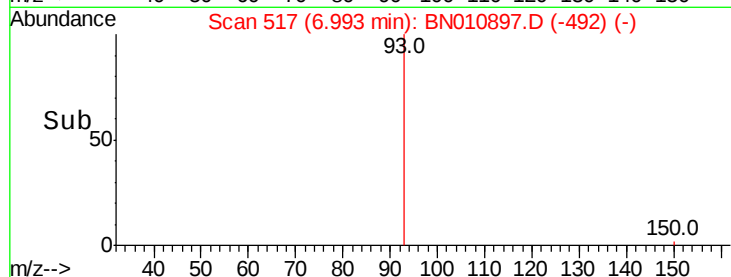


Abundance Ion 93.00 (92.70 to 93.70): BN010815.D (-514) (-)

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

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

Time-->



#7

Naphthalene-d8

Concen: 0.400 ng

RT: 10.29 min Scan# 837

Delta R.T. -0.01 min

Lab File: BN010897.D

Acq: 16 Jun 2020 08:35

Tgt Ion: 136 Resp: 9434

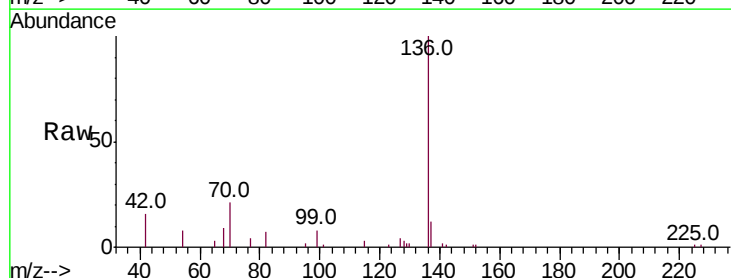
Ion Ratio Lower Upper

136 100

137 11.8 9.7 14.5

54 8.1 4.9 7.3#

68 8.5 4.7 7.1#



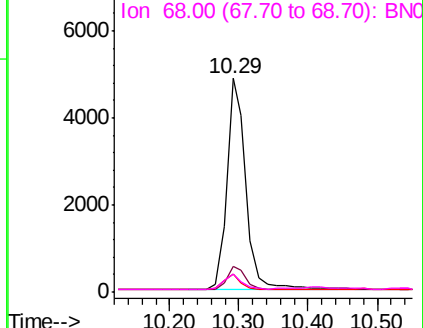
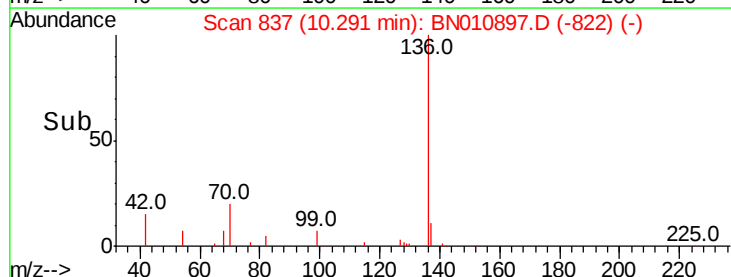
Abundance Ion 136.00 (135.70 to 136.70): BN010815.D (-832) (-)

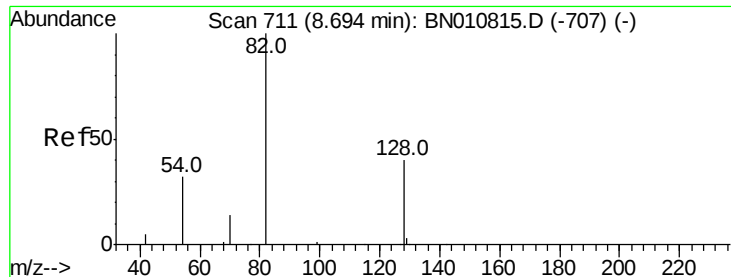
Ion 137.00 (136.70 to 137.70): BN010815.D (-832) (-)

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

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

Time-->

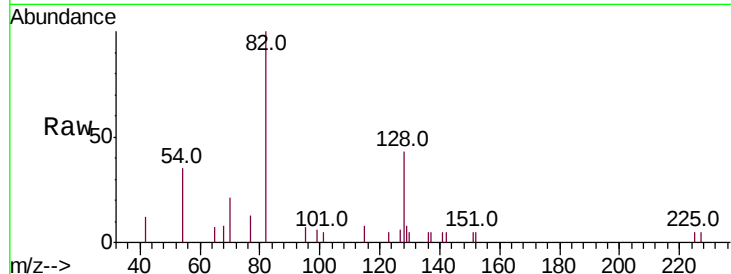




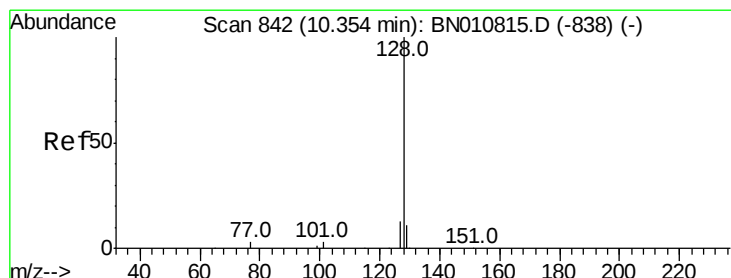
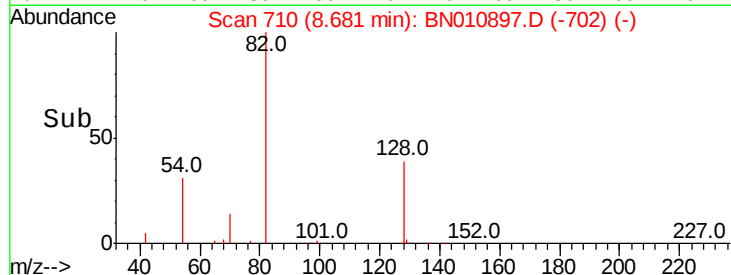
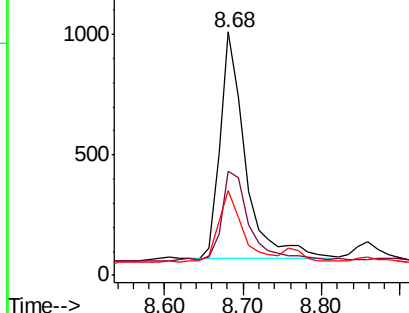
#8
 Nitrobenzene-d5
 Concen: 0.305 ng
 RT: 8.68 min Scan# 710
 Delta R.T. -0.00 min
 Lab File: BN010897.D
 Acq: 16 Jun 2020 08:35

Instrument :
 BNA_N
 ClientSampleId :
 REDUP01-20200608

Tot Ion: 82 Resp: 2128
 Ion Ratio Lower Upper
 82 100
 128 42.7 35.4 53.0
 54 34.7 28.2 42.4

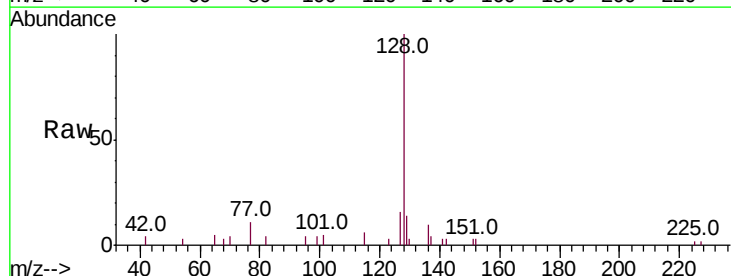


Abundance Ion 82.00 (81.70 to 82.70): BN0
 Ion 128.00 (127.70 to 128.70): E
 Ion 54.00 (53.70 to 54.70): BN0

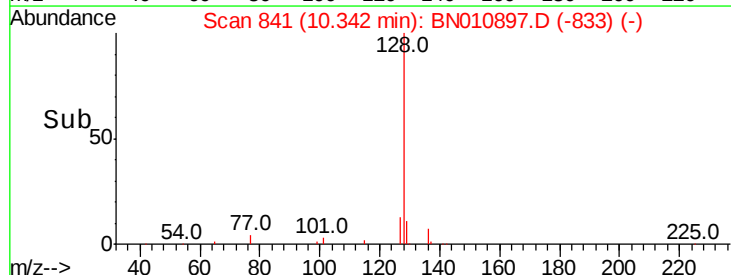
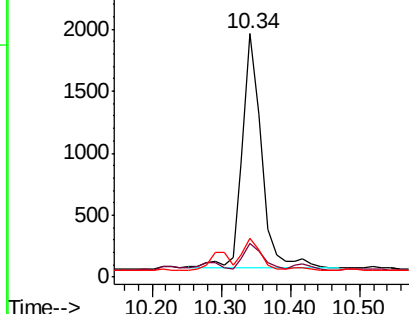


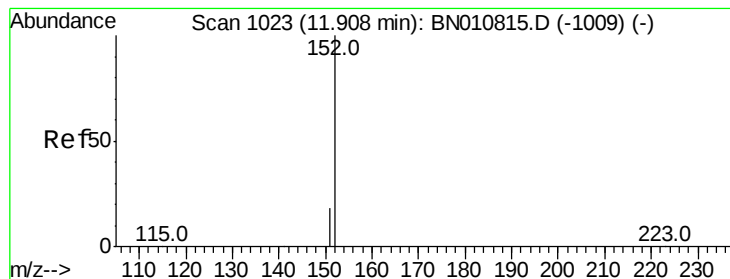
#9
 Naphthalene
 Concen: 0.155 ng
 RT: 10.34 min Scan# 841
 Delta R.T. -0.00 min
 Lab File: BN010897.D
 Acq: 16 Jun 2020 08:35

Tgt Ion: 128 Resp: 3674
 Ion Ratio Lower Upper
 128 100
 129 13.8 9.6 14.4
 127 15.8 11.4 17.2



Abundance Ion 128.00 (127.70 to 128.70): E
 Ion 129.00 (128.70 to 129.70): E
 Ion 127.00 (126.70 to 127.70): E





#11

2-Methylnaphthalene-d10

Concen: 0.270 ng

RT: 11.89 min Scan# 1019

Delta R.T. -0.00 min

Lab File: BN010897.D

Acq: 16 Jun 2020 08:35

Instrument :

BNA_N

ClientSampleId :

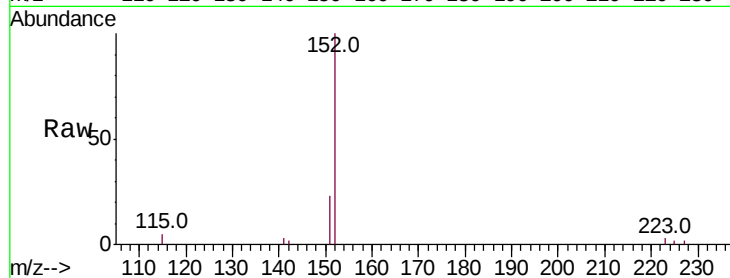
REDUP01-20200608

Tot Ion:152 Resp: 3946

Ion Ratio Lower Upper

152 100

151 21.8 15.3 22.9



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

11.89

2500

2000

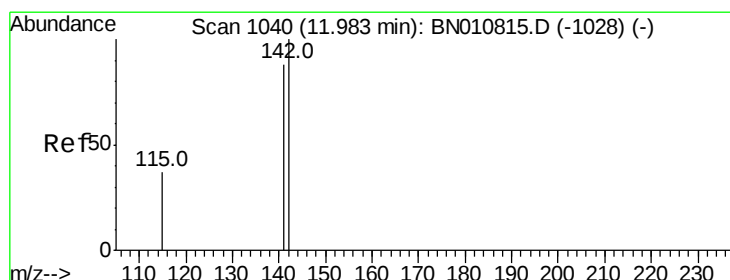
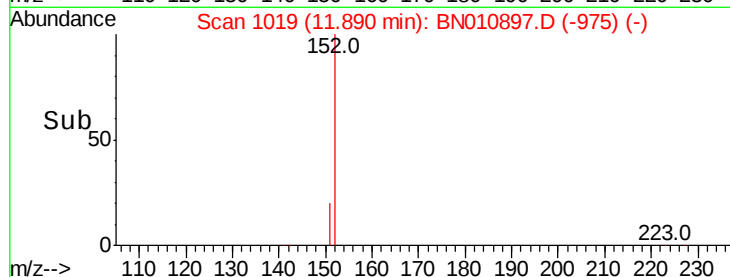
1500

1000

500

0

Time--> 11.80 11.90 12.00



#12

2-Methylnaphthalene

Concen: 0.832 ng

RT: 11.96 min Scan# 1035

Delta R.T. -0.01 min

Lab File: BN010897.D

Acq: 16 Jun 2020 08:35

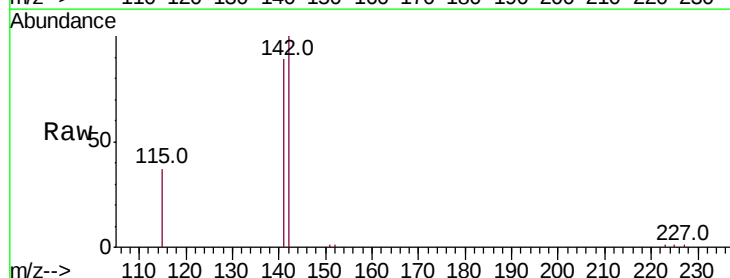
Tgt Ion:142 Resp: 13206

Ion Ratio Lower Upper

142 100

141 89.2 70.8 106.2

115 37.0 31.5 47.3



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 115.00 (114.70 to 115.70): E

11.96

10000

8000

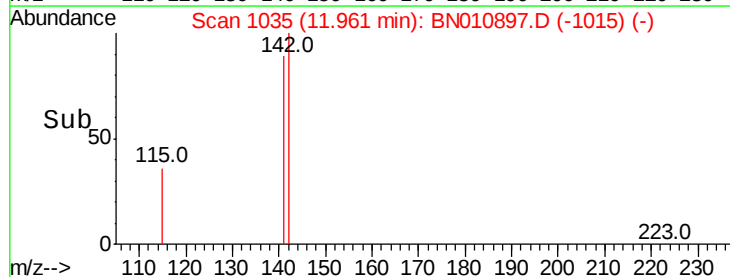
6000

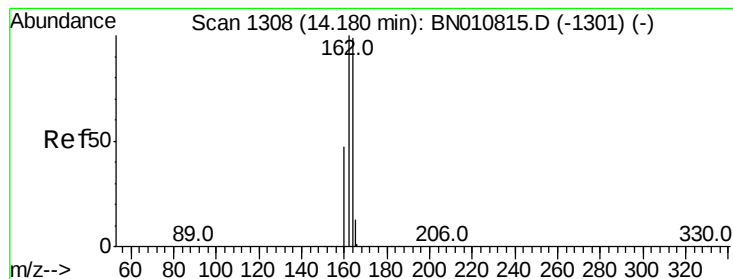
4000

2000

0

Time--> 11.90 12.00 12.10





#13

Acenaphthene-d10

Concen: 0.400 ng

RT: 14.17 min Scan# 1307

Delta R.T. -0.00 min

Lab File: BN010897.D

Acq: 16 Jun 2020 08:35

Instrument :

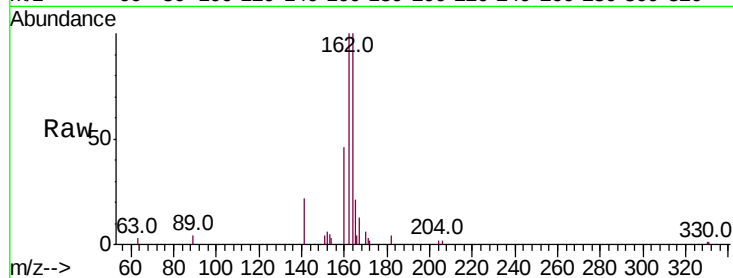
BNA_N

ClientSampleId :

REDUP01-20200608

Tot Ion:164 Resp: 5687

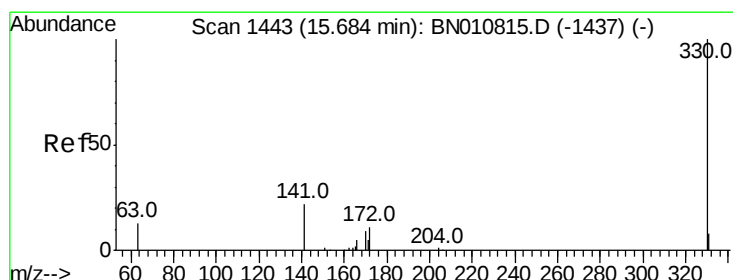
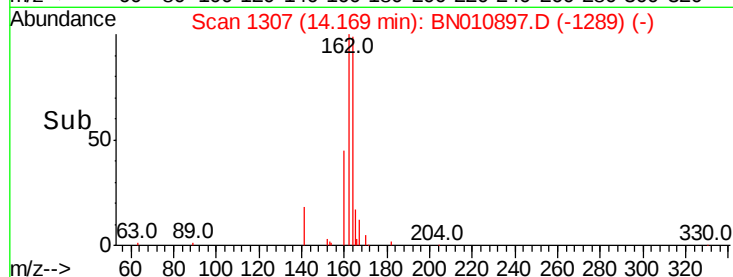
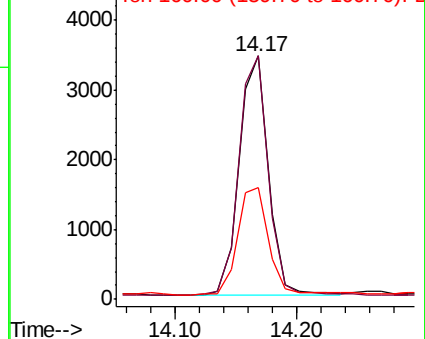
Ion	Ratio	Lower	Upper
164	100		
162	100.2	81.0	121.6
160	46.3	38.9	58.3



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: 0.288 ng

RT: 15.67 min Scan# 1442

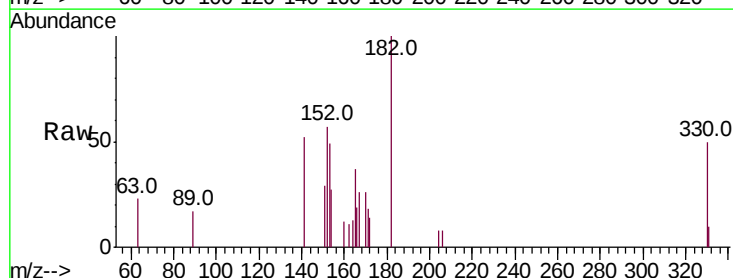
Delta R.T. -0.00 min

Lab File: BN010897.D

Acq: 16 Jun 2020 08:35

Tgt Ion:330 Resp: 586

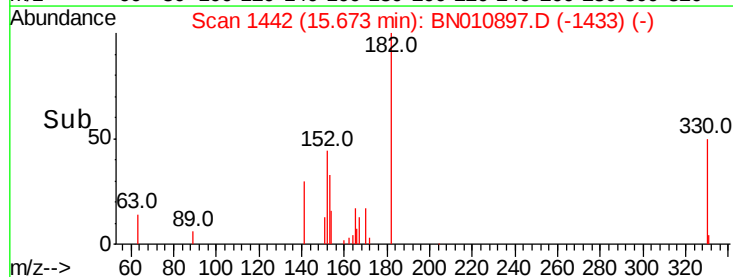
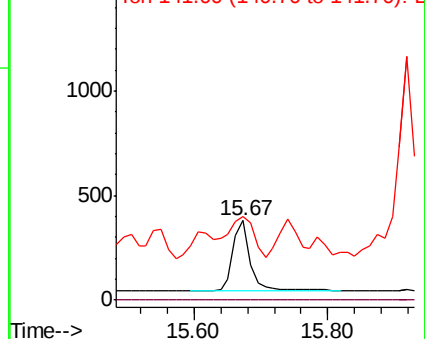
Ion	Ratio	Lower	Upper
330	100		
332	0.0	0.0	0.0
141	90.4	33.2	49.8#

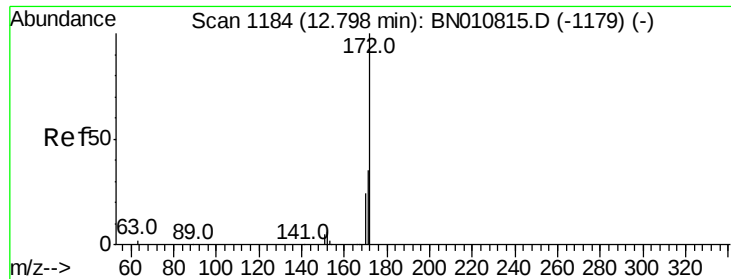


Abundance Ion 330.00 (329.70 to 330.70): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

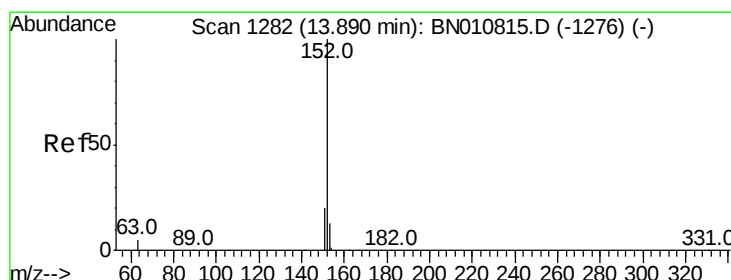
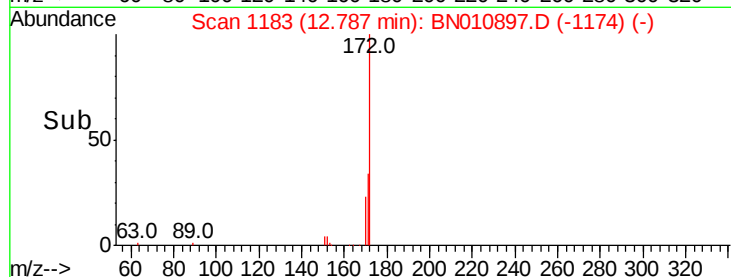
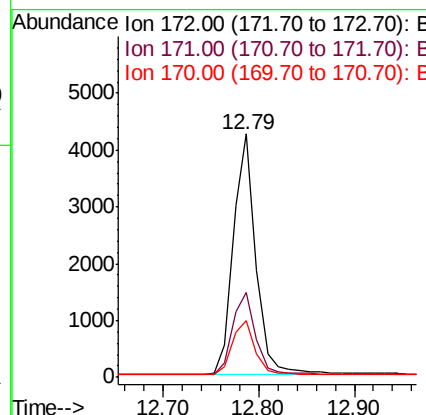
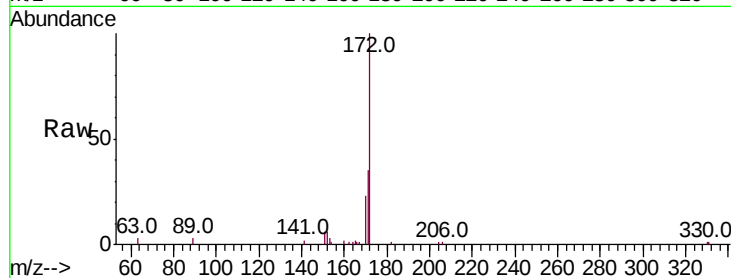




#15
2-Fluorobiphenyl
Concen: 0.309 ng
RT: 12.79 min Scan# 1183
Delta R.T. -0.00 min
Lab File: BN010897.D
Acq: 16 Jun 2020 08:35

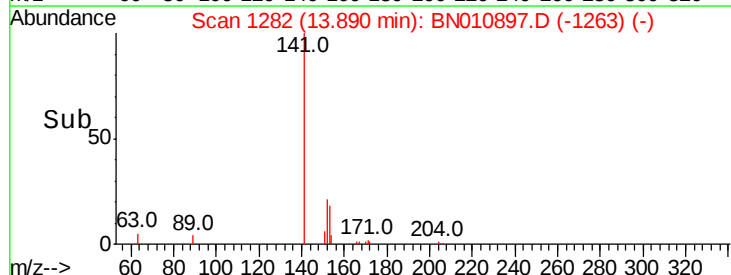
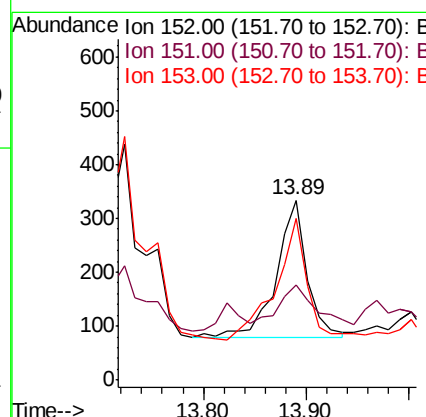
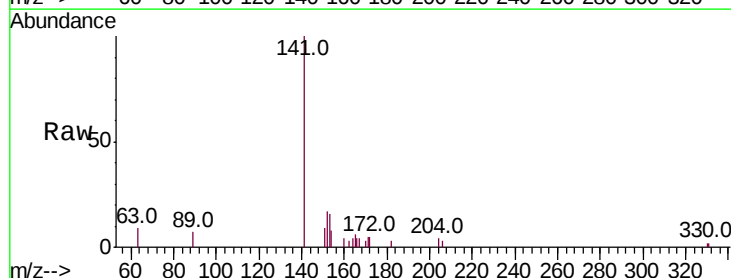
Instrument :
BNA_N
ClientSampleId :
REDUP01-20200608

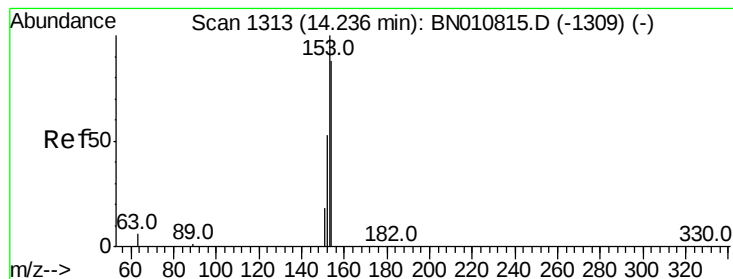
Tot Ion:172 Resp: 6944
Ion Ratio Lower Upper
172 100
171 34.6 28.5 42.7
170 23.5 19.7 29.5



#16
Acenaphthylene
Concen: 0.022 ng
RT: 13.89 min Scan# 1282
Delta R.T. 0.01 min
Lab File: BN010897.D
Acq: 16 Jun 2020 08:35

Tgt Ion:152 Resp: 524
Ion Ratio Lower Upper
152 100
151 43.5 15.6 23.4#
153 89.7 10.6 16.0#





#17

Acenaphthene

Concen: 0.036 ng

RT: 14.22 min Scan# 1312

Delta R.T. -0.01 min

Lab File: BN010897.D

Acq: 16 Jun 2020 08:35

Instrument :

BNA_N

ClientSampleId :

REDUP01-20200608

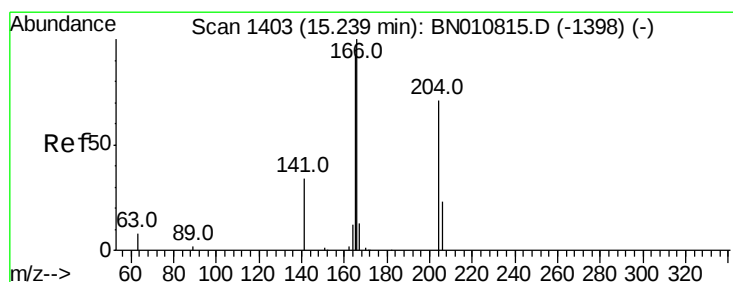
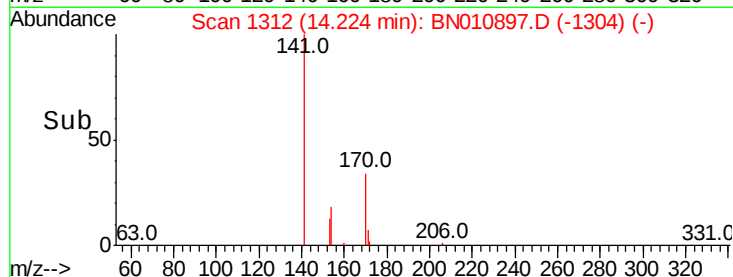
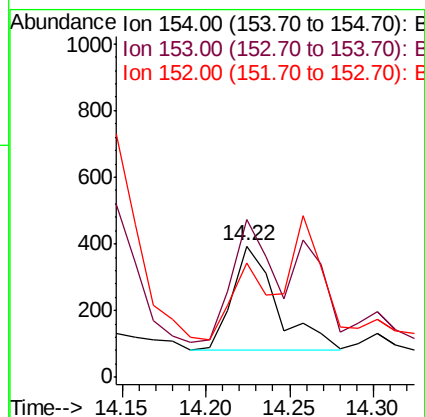
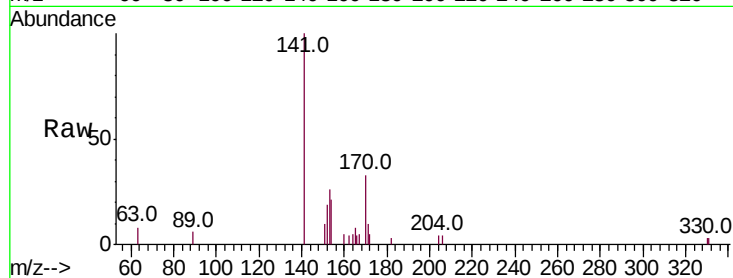
Tot Ion:154 Resp: 573

Ion Ratio Lower Upper

154 100

153 108.4 91.8 137.6

152 0.0 47.6 71.4#



#18

Fluorene

Concen: 0.103 ng

RT: 15.22 min Scan# 1401

Delta R.T. -0.01 min

Lab File: BN010897.D

Acq: 16 Jun 2020 08:35

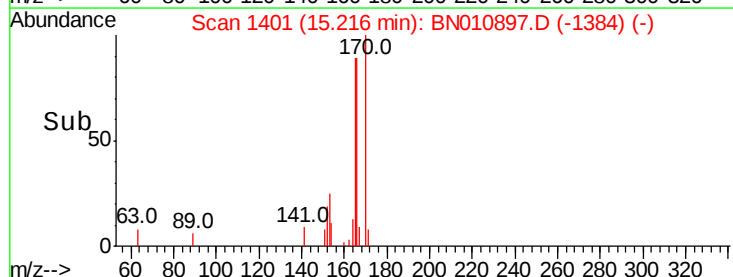
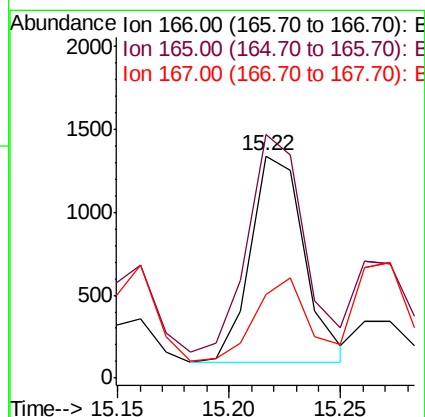
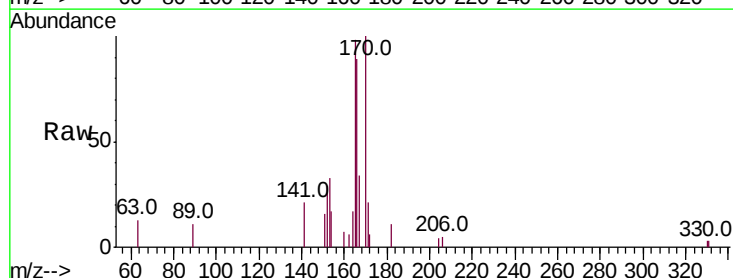
Tgt Ion:166 Resp: 2120

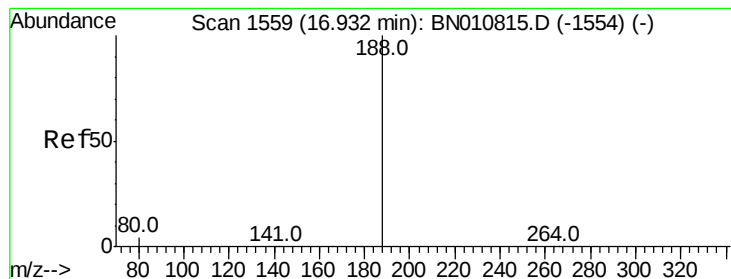
Ion Ratio Lower Upper

166 100

165 109.2 77.2 115.8

167 39.4 10.7 16.1#





#19

Phenanthrene-d10

Concen: 0.400 ng

RT: 16.91 min Scan# 1557

Delta R.T. -0.01 min

Lab File: BN010897.D

Acq: 16 Jun 2020 08:35

Instrument :

BNA_N

ClientSampleId :

REDUP01-20200608

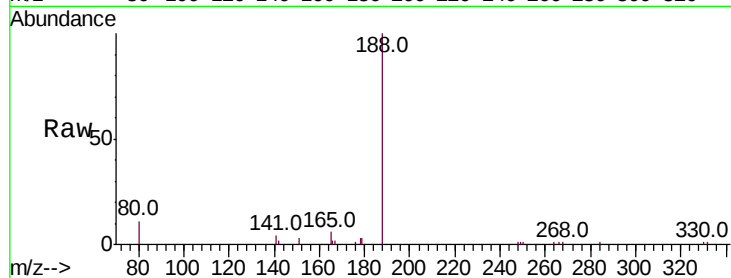
Tot Ion:188 Resp: 11613

Ion Ratio Lower Upper

188 100

94 0.0 0.0 0.0

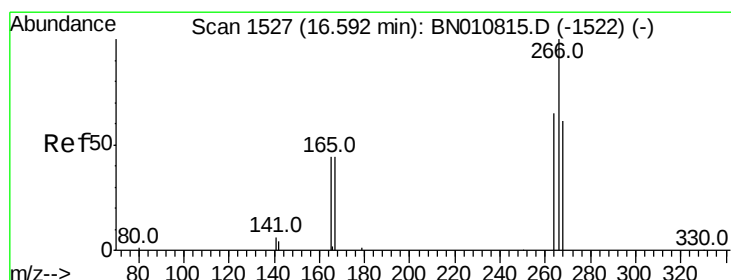
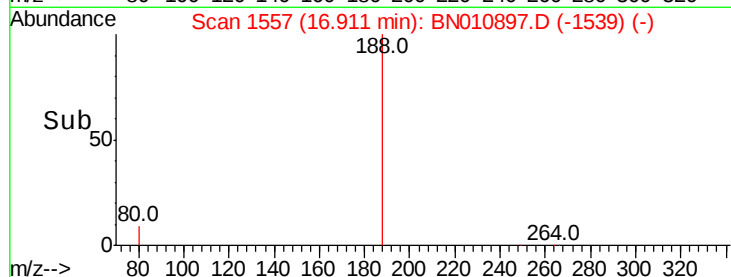
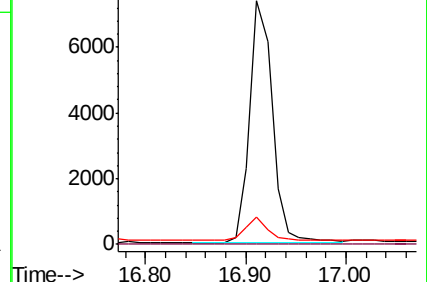
80 11.1 4.5 6.7#



Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BNO

Ion 80.00 (79.70 to 80.70): BNO



#22

Pentachlorophenol

Concen: 0.041 ng

RT: 16.58 min Scan# 1526

Delta R.T. -0.00 min

Lab File: BN010897.D

Acq: 16 Jun 2020 08:35

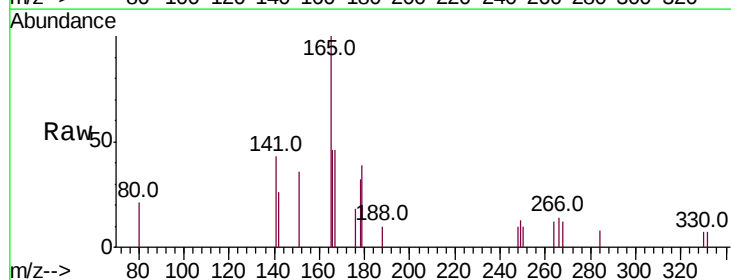
Tgt Ion:266 Resp: 99

Ion Ratio Lower Upper

266 100

264 82.6 54.8 82.2#

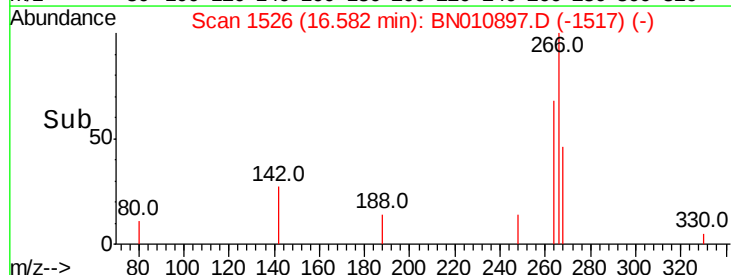
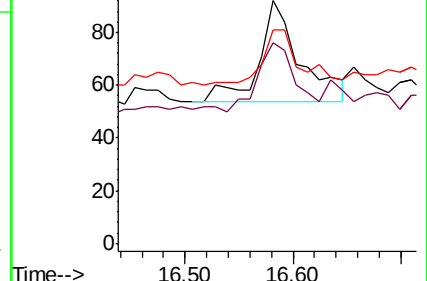
268 88.0 55.9 83.9#

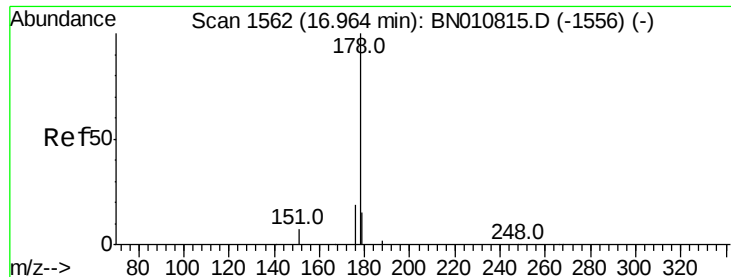


Abundance Ion 266.00 (265.70 to 266.70): E

Ion 264.00 (263.70 to 264.70): E

Ion 268.00 (267.70 to 268.70): E





#23

Phenanthrene

Concen: 0.312 ng

RT: 16.95 min Scan# 1561

Delta R.T. -0.01 min

Lab File: BN010897.D

Acq: 16 Jun 2020 08:35

Instrument :

BNA_N

ClientSampleId :

REDUP01-20200608

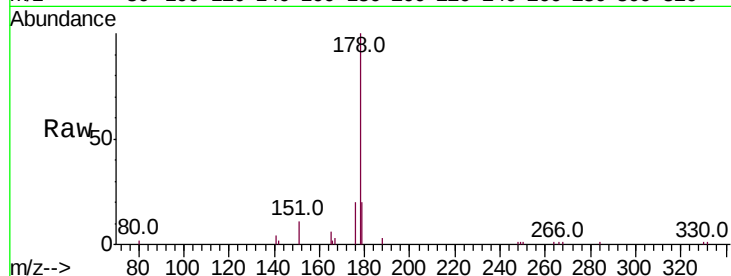
Tot Ion:178 Resp: 9909

Ion Ratio Lower Upper

178 100

176 18.0 15.3 22.9

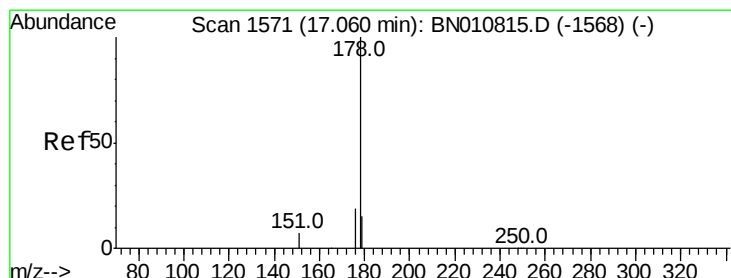
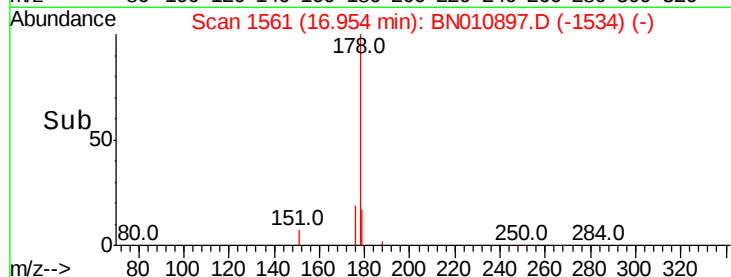
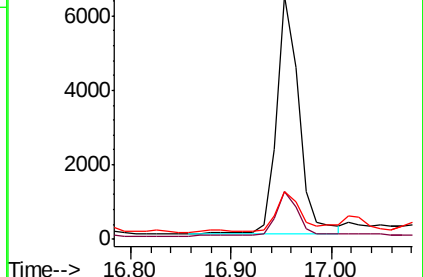
179 16.9 12.6 19.0



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



#24

Anthracene

Concen: 0.034 ng

RT: 17.12 min Scan# 1577

Delta R.T. 0.07 min

Lab File: BN010897.D

Acq: 16 Jun 2020 08:35

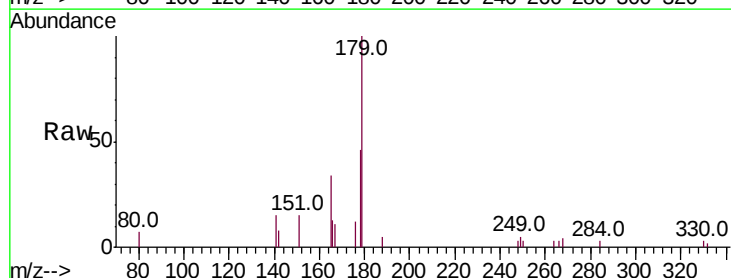
Tgt Ion:178 Resp: 897

Ion Ratio Lower Upper

178 100

176 19.7 14.6 22.0

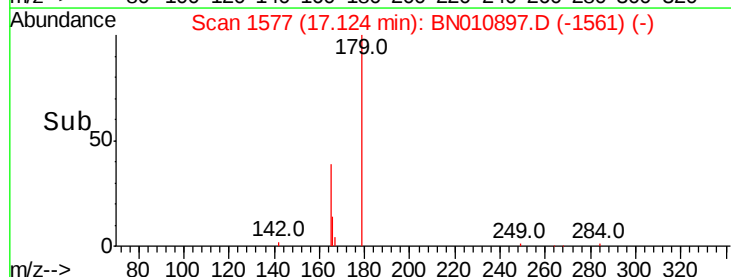
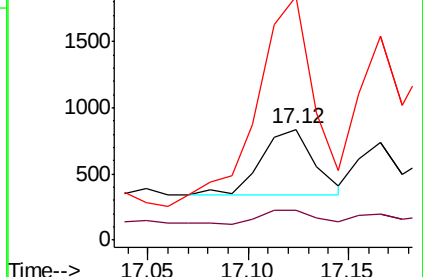
179 361.0 12.3 18.5#

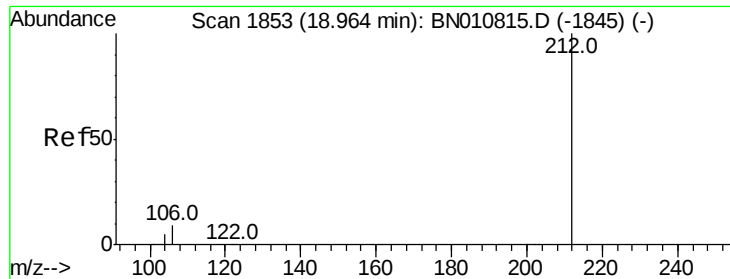


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#25

Fluoranthene-d10

Concen: 0.334 ng

RT: 18.95 min Scan# 1851

Delta R.T. -0.01 min

Lab File: BN010897.D

Acq: 16 Jun 2020 08:35

Instrument :

BNA_N

ClientSampleId :

REDUP01-20200608

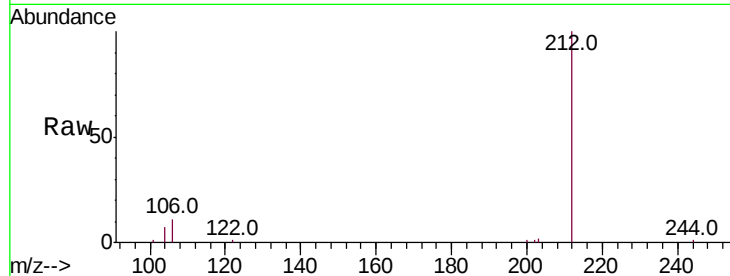
Tot Ion:212 Resp: 10689

Ion Ratio Lower Upper

212 100

106 10.3 6.6 10.0#

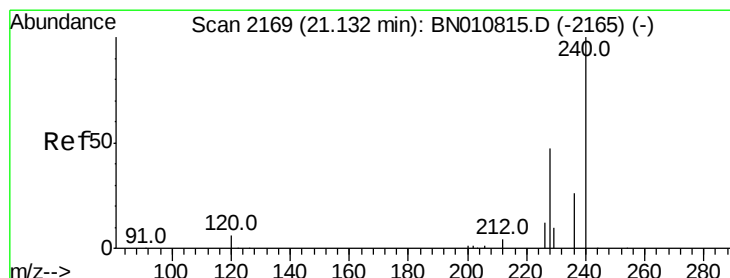
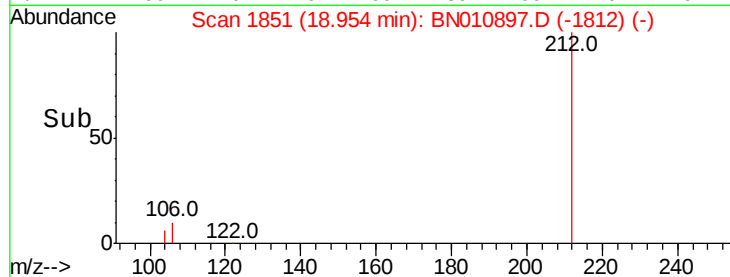
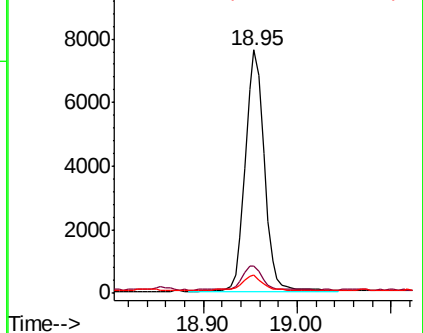
104 6.4 4.0 6.0#



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# 2168

Delta R.T. -0.01 min

Lab File: BN010897.D

Acq: 16 Jun 2020 08:35

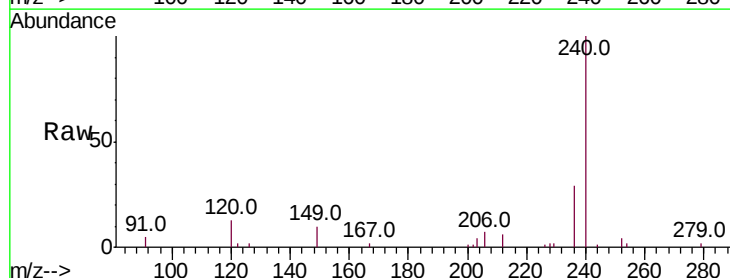
Tgt Ion:240 Resp: 9968

Ion Ratio Lower Upper

240 100

120 13.3 7.5 11.3#

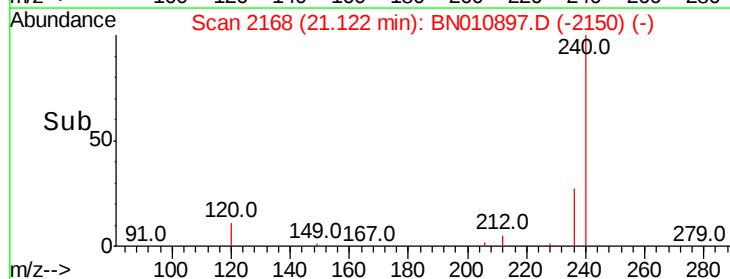
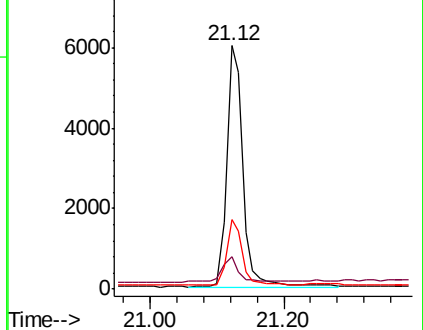
236 28.7 22.3 33.5

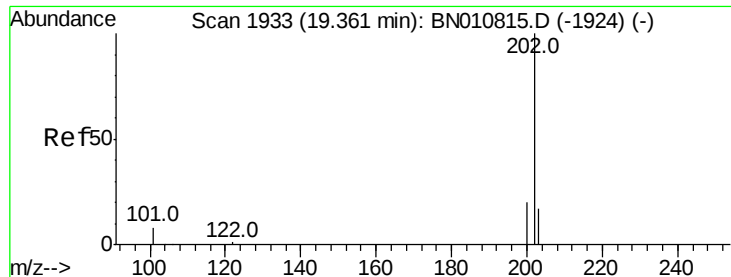


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#28

Pvrene

Concen: 0.031 ng

RT: 19.35 min Scan# 1931

Delta R.T. -0.00 min

Lab File: BN010897.D

Acq: 16 Jun 2020 08:35

Instrument :

BNA_N

ClientSampleId :

REDUP01-20200608

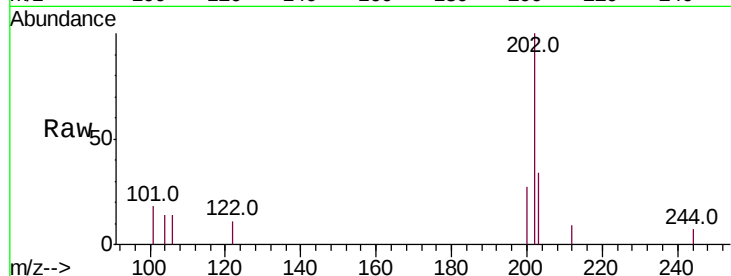
Tot Ion:202 Resp: 1032

Ion Ratio Lower Upper

202 100

200 23.7 16.4 24.6

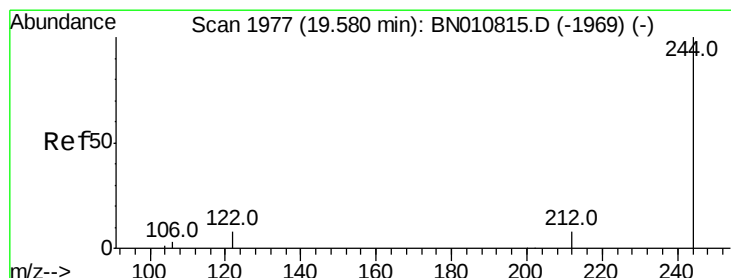
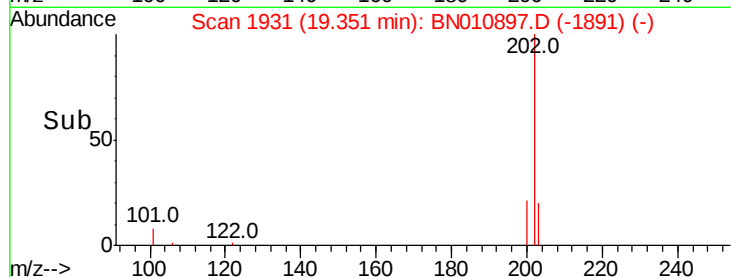
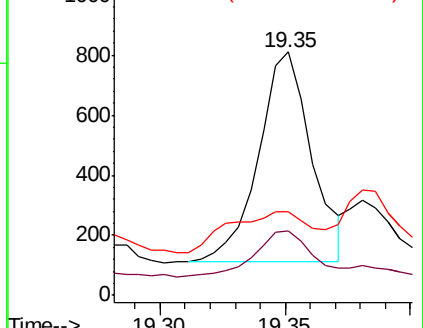
203 30.2 14.2 21.4#



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



#29

Terphenyl-d14

Concen: 0.443 ng

RT: 19.57 min Scan# 1975

Delta R.T. -0.01 min

Lab File: BN010897.D

Acq: 16 Jun 2020 08:35

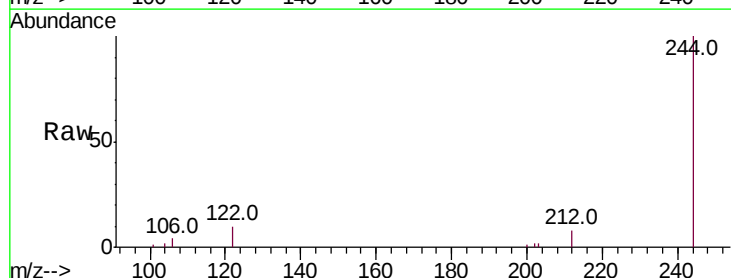
Tgt Ion:244 Resp: 10337

Ion Ratio Lower Upper

244 100

212 8.4 7.4 11.2

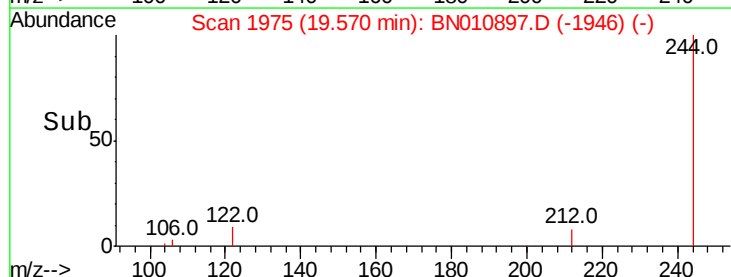
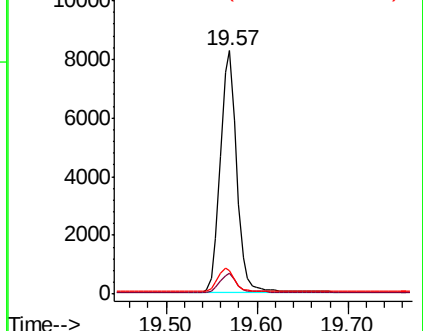
122 9.8 7.5 11.3

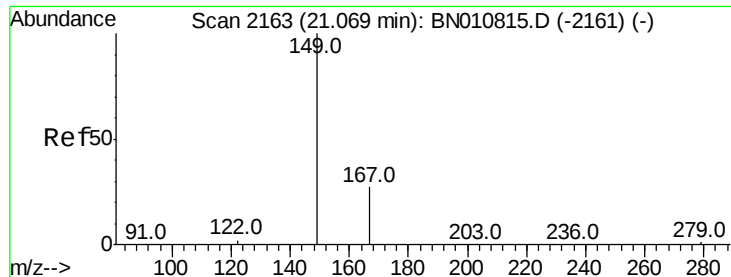


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

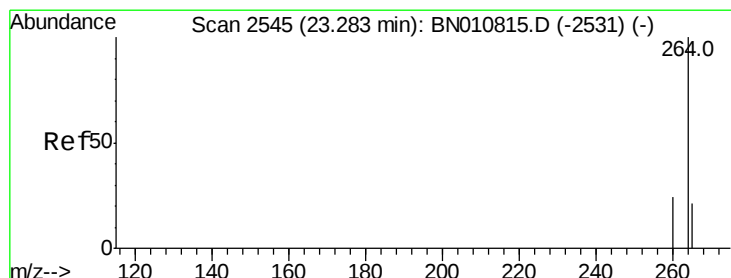
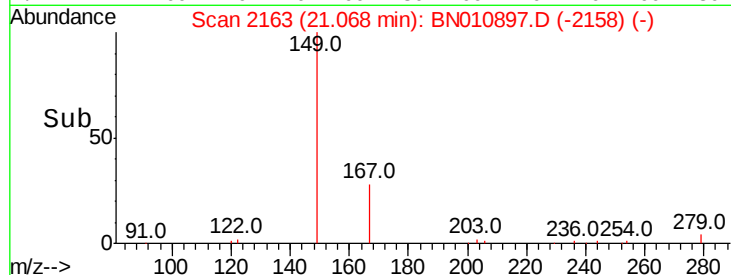
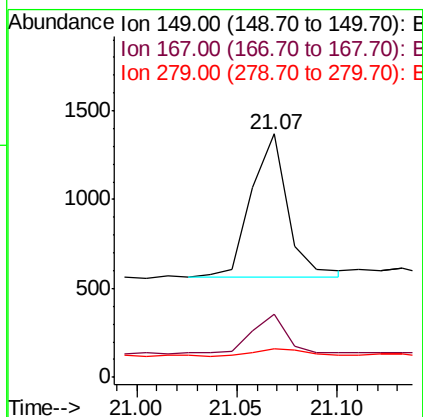
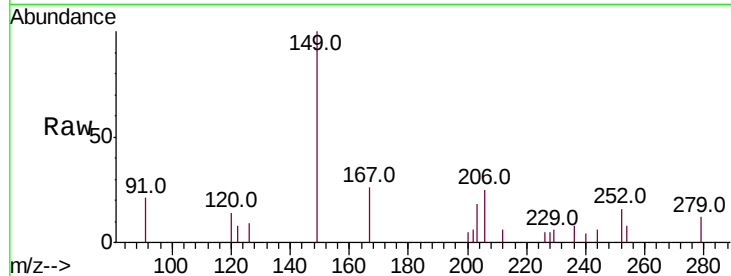




#32
 Bis(2-ethylhexyl)phthalate
 Concen: 0.107 ng
 RT: 21.07 min Scan# 2163
 Delta R.T. -0.00 min
 Lab File: BN010897.D
 Acq: 16 Jun 2020 08:35

Instrument :
 BNA_N
 ClientSampleId :
 REDUP01-20200608

Tot Ion:149 Resp: 1043
 Ion Ratio Lower Upper
 149 100
 167 24.6 24.1 36.1
 279 7.3 4.6 7.0#



#34
 Perylene-d12
 Concen: 0.400 ng
 RT: 23.27 min Scan# 2542
 Delta R.T. -0.00 min
 Lab File: BN010897.D
 Acq: 16 Jun 2020 08:35

Tgt Ion:264 Resp: 10078
 Ion Ratio Lower Upper
 264 100
 260 24.8 20.4 30.6
 265 82.9 75.0 112.4

