

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN012420\
 Data File : BN009431.D
 Acq On : 23 Jan 2020 19:40
 Operator : CG/JU
 Sample : L1218-01
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :

Quant Time: Jan 24 12:17:15 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\8270-SIM-BN011420.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Jan 14 09:33:55 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.47	152	1421	0.40	ng	0.00
7) Naphthalene-d8	10.22	136	5247	0.40	ng	-0.01
13) Acenaphthene-d10	14.09	164	3450	0.40	ng	-0.02
19) Phenanthrene-d10	16.85	188	7422	0.40	ng	-0.02
27) Chrysene-d12	21.06	240	7156	0.40	ng	-0.01
34) Perylene-d12	23.17	264	7897	0.40	ng	-0.02

System Monitoring Compounds						
4) 2-Fluorophenol	5.12	112	941	0.29	ng	0.00
5) Phenol-d6	6.66	99	866	0.23	ng	-0.02
8) Nitrobenzene-d5	8.62	82	1660	0.40	ng	-0.01
11) 2-Methylnaphthalene-d10	11.81	152	3447	0.34	ng	-0.02
14) 2,4,6-Tribromophenol	15.60	330	767	0.59	ng	-0.03
15) 2-Fluorobiphenyl	12.71	172	6053	0.47	ng	-0.02
25) Fluoranthene-d10	18.89	212	9279	0.36	ng	-0.01
29) Terphenyl-d14	19.50	244	8755	0.52	ng	-0.02

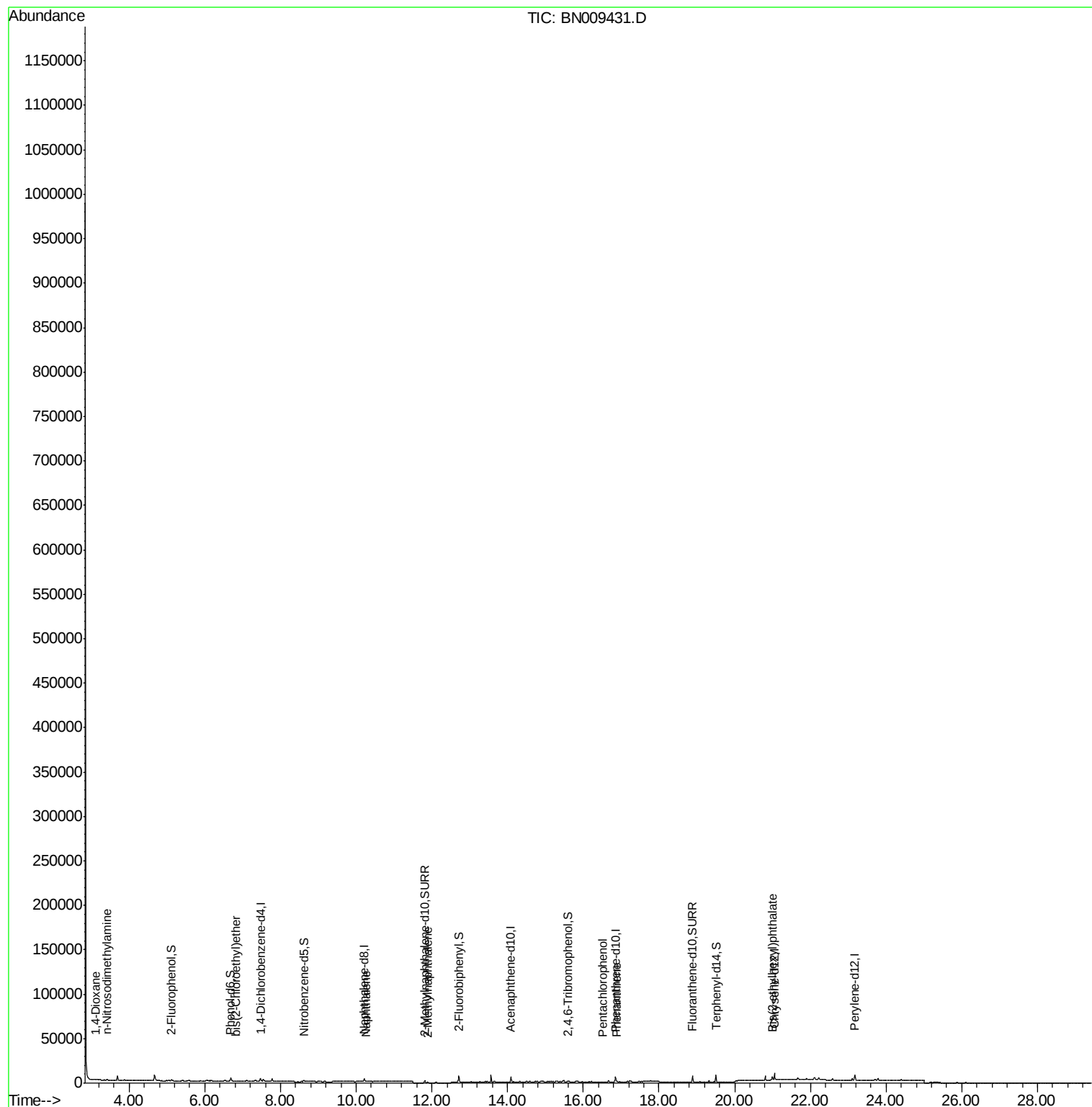
Target Compounds						Qvalue
2) 1,4-Dioxane	3.13	88	40	0.027	ng	# 1
3) n-Nitrosodimethylamine	3.41	42	188	0.082	ng	# 22
6) bis(2-Chloroethyl)ether	6.82	93	401	0.103	ng	# 12
9) Naphthalene	10.27	128	518	0.036	ng	# 64
12) 2-Methylnaphthalene	11.89	142	589	0.060	ng	# 93
22) Pentachlorophenol	16.52	266	24	0.159	ng	# 77
23) Phenanthrene	16.89	178	755	0.034	ng	# 89
32) Bis(2-ethylhexyl)phthalate	20.99	149	3169	0.305	ng	99

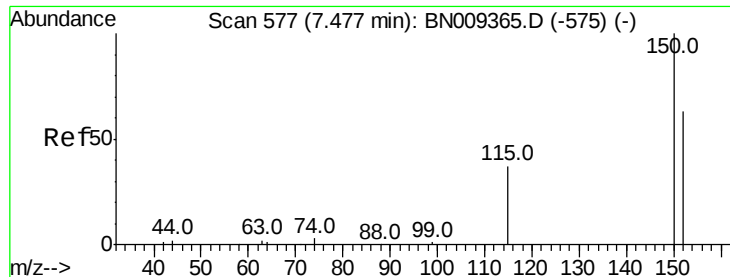
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN012420\
Data File : BN009431.D
Acq On : 23 Jan 2020 19:40
Operator : CG/JU
Sample : L1218-01
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :

Quant Time: Jan 24 12:17:15 2020
Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\8270-SIM-BN011420.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jan 14 09:33:55 2020
Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 0.400 ng

RT: 7.47 min Scan# 576

Delta R.T. -0.01 min

Lab File: BN009431.D

Acq: 23 Jan 2020 19:40

Instrument :

BNA_N

ClientSampleId :

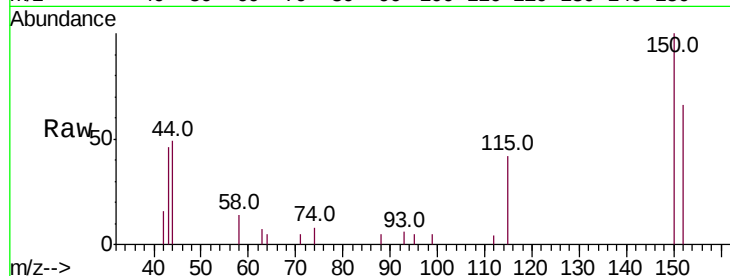
Tot Ion:152 Resp: 1421

Ion Ratio Lower Upper

152 100

150 151.2 125.7 188.5

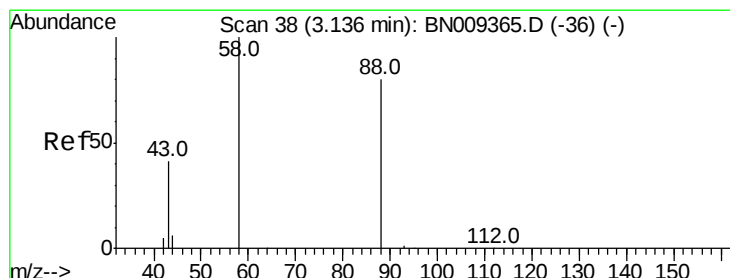
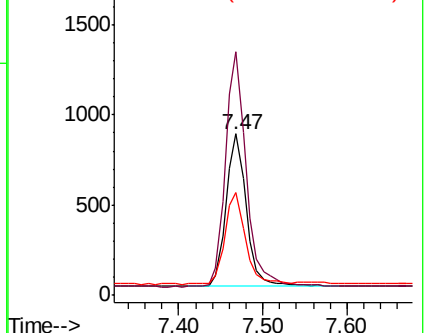
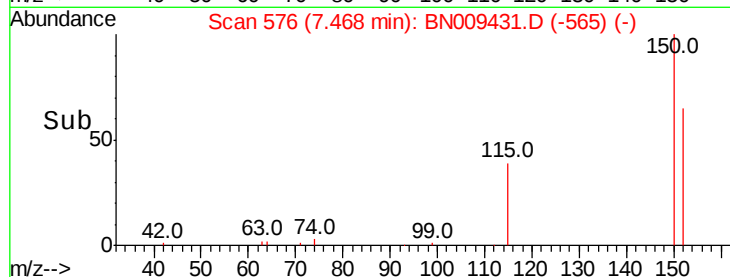
115 63.8 53.3 79.9



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: 3.13 min Scan# 37

Delta R.T. -0.01 min

Lab File: BN009431.D

Acq: 23 Jan 2020 19:40

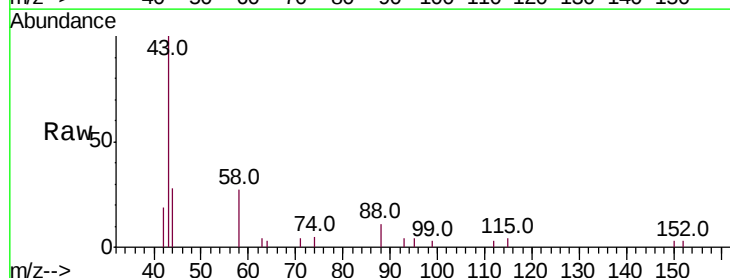
Tgt Ion: 88 Resp: 40

Ion Ratio Lower Upper

88 100

58 0.0 100.2 150.2#

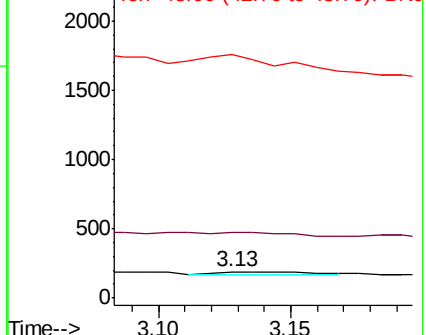
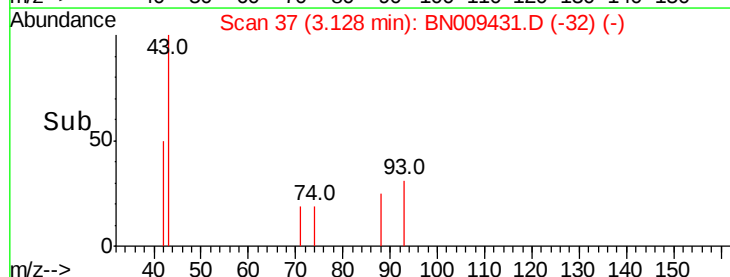
43 630.0 43.1 64.7#

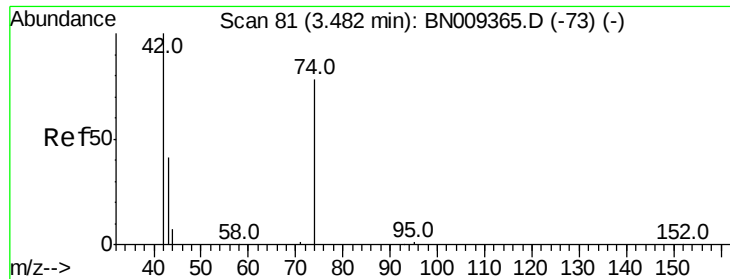


Abundance Ion 88.00 (87.70 to 88.70): BNC

Ion 58.00 (57.70 to 58.70): BNC

Ion 43.00 (42.70 to 43.70): BNC





#3

n-Nitrosodimethylamine

Concen: 0.082 ng

RT: 3.41 min Scan# 72

Delta R.T. -0.07 min

Lab File: BN009431.D

Acq: 23 Jan 2020 19:40

Instrument :

BNA_N

ClientSampleId :

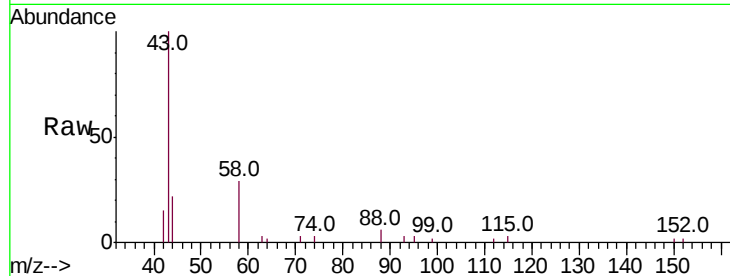
Tot Ion: 42 Resp: 188

Ion Ratio Lower Upper

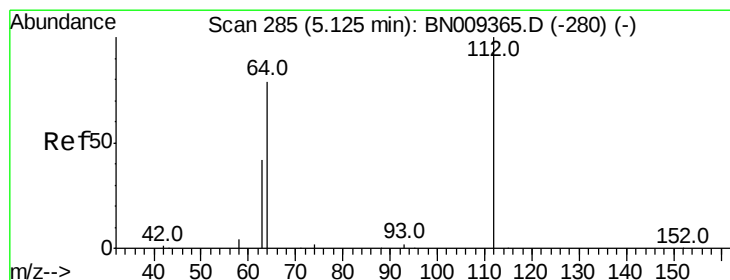
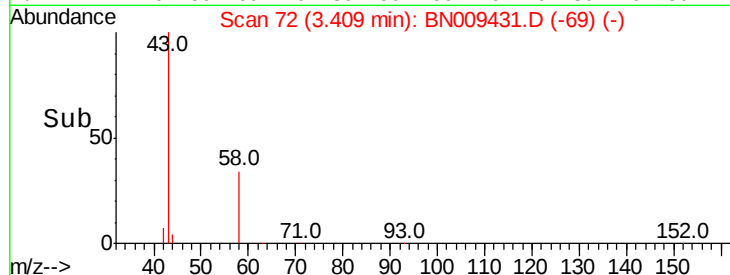
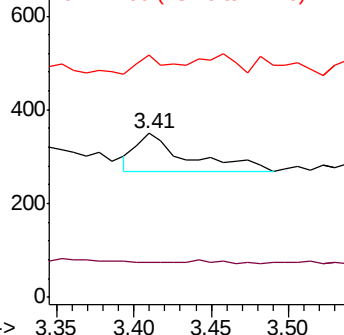
42 100

74 0.0 55.8 83.8#

44 31.4 11.1 16.7#



Abundance Ion 42.00 (41.70 to 42.70): BN0
Ion 74.00 (73.70 to 74.70): BN0
Ion 44.00 (43.70 to 44.70): BN0



#4

2-Fluorophenol

Concen: 0.288 ng

RT: 5.12 min Scan# 284

Delta R.T. -0.01 min

Lab File: BN009431.D

Acq: 23 Jan 2020 19:40

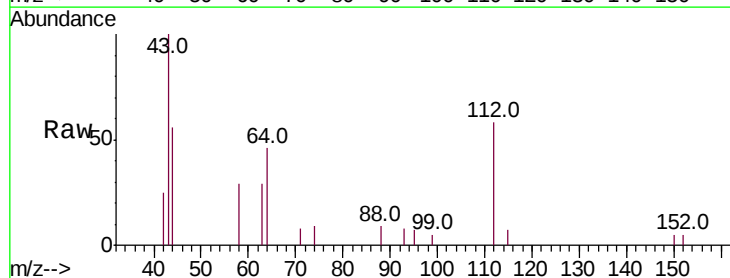
Tgt Ion: 112 Resp: 941

Ion Ratio Lower Upper

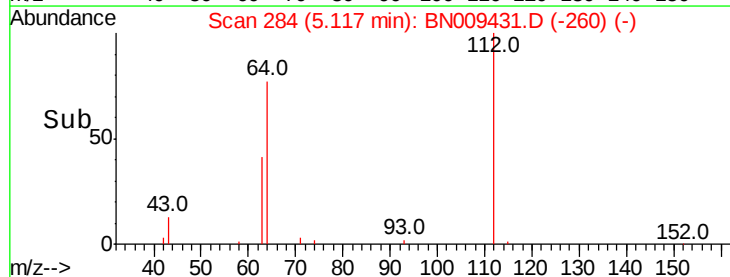
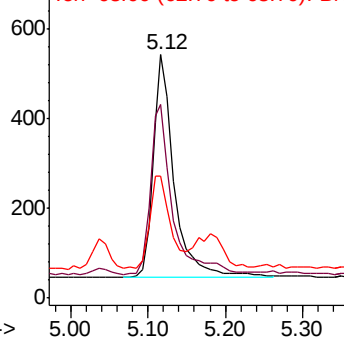
112 100

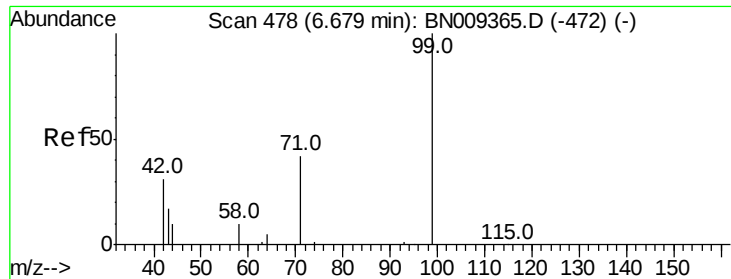
64 80.7 61.5 92.3

63 41.1 35.0 52.4



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: 0.229 ng

RT: 6.66 min Scan# 476

Delta R.T. -0.02 min

Lab File: BN009431.D

Acq: 23 Jan 2020 19:40

Instrument :

BNA_N

ClientSampleId :

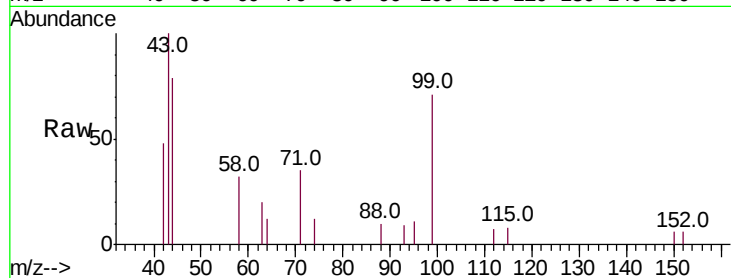
Tot Ion: 99 Resp: 866

Ion Ratio Lower Upper

99 100

42 88.7 27.6 41.4#

71 48.8 33.0 49.6



Abundance Ion 99.00 (98.70 to 99.70): BN009431.D (-472) (-)

Ion 42.00 (41.70 to 42.70): BN009431.D (-472) (-)

Ion 71.00 (70.70 to 71.70): BN009431.D (-472) (-)

6.66

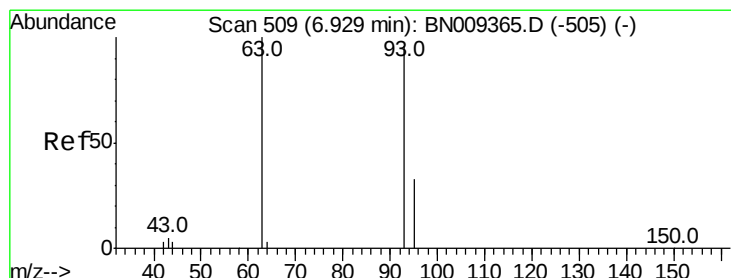
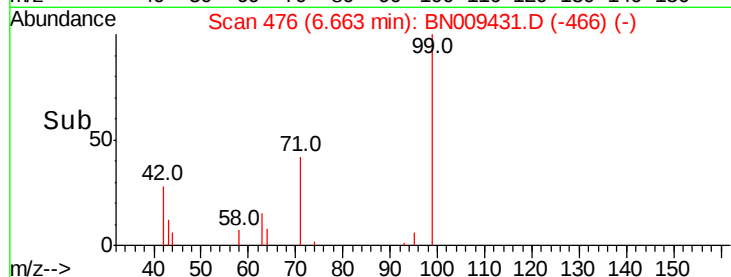
400

200

0

6.60 6.70 6.80

Time-->



#6

bis(2-Chloroethyl)ether

Concen: 0.103 ng

RT: 6.82 min Scan# 495

Delta R.T. -0.11 min

Lab File: BN009431.D

Acq: 23 Jan 2020 19:40

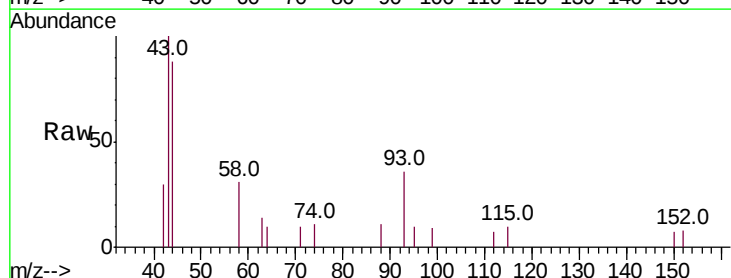
Tgt Ion: 93 Resp: 401

Ion Ratio Lower Upper

93 100

63 6.0 85.1 127.7#

95 0.0 30.2 45.4#



Abundance Ion 93.00 (92.70 to 93.70): BN009431.D (-505) (-)

Ion 63.00 (62.70 to 63.70): BN009431.D (-505) (-)

Ion 95.00 (94.70 to 95.70): BN009431.D (-505) (-)

6.82

1200

1000

800

600

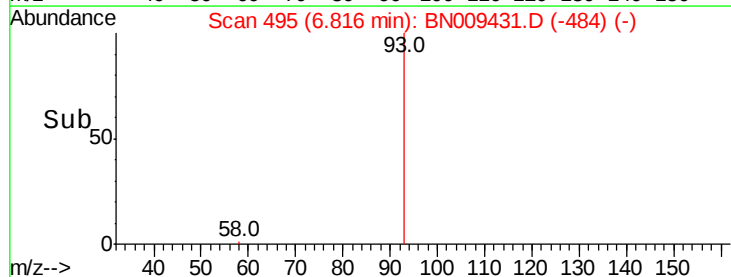
400

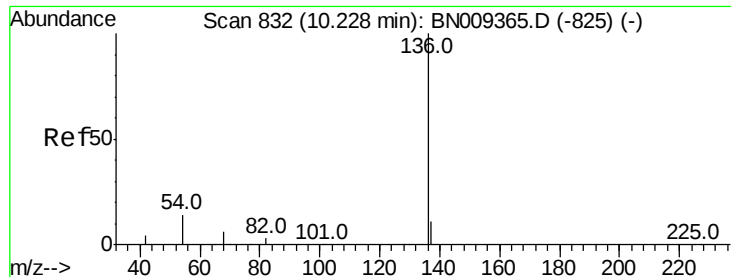
200

0

6.70 6.80 6.90

Time-->





#7

Naphthalene-d8

Concen: 0.400 ng

RT: 10.22 min Scan# 831

Delta R.T. -0.01 min

Lab File: BN009431.D

Acq: 23 Jan 2020 19:40

Instrument :

BNA_N

ClientSampleId :

Tot Ion:136 Resp: 5247

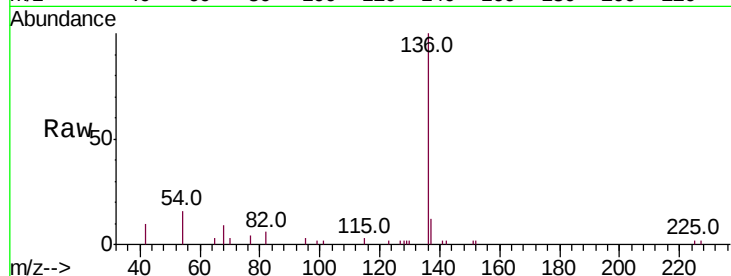
Ion Ratio Lower Upper

136 100

137 12.4 10.3 15.5

54 16.1 12.6 19.0

68 8.6 6.5 9.7

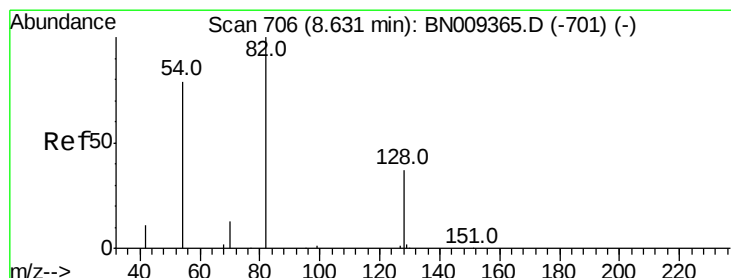
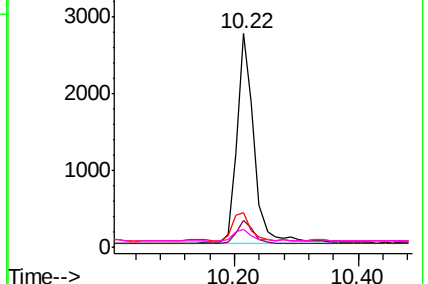
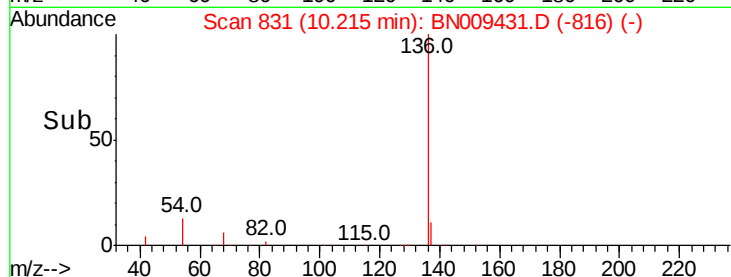


Abundance Ion 136.00 (135.70 to 136.70): E

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: 0.397 ng

RT: 8.62 min Scan# 705

Delta R.T. -0.01 min

Lab File: BN009431.D

Acq: 23 Jan 2020 19:40

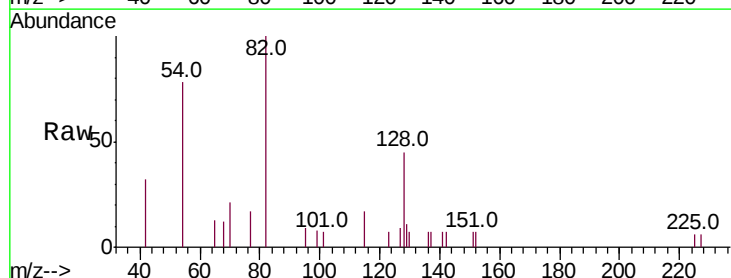
Tgt Ion: 82 Resp: 1660

Ion Ratio Lower Upper

82 100

128 44.6 34.8 52.2

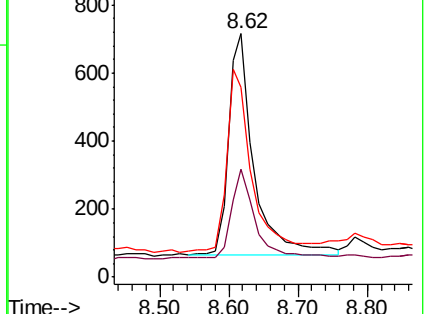
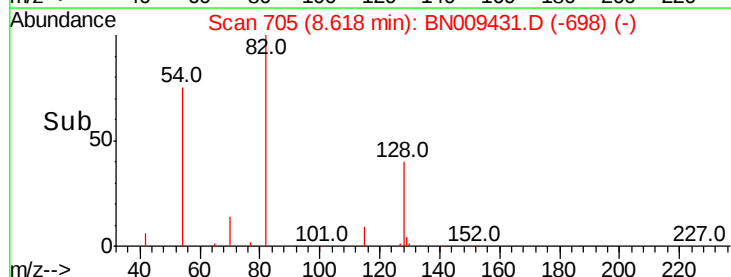
54 77.9 65.8 98.6

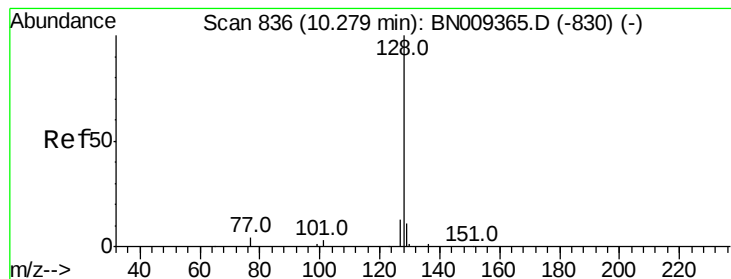


Abundance Ion 82.00 (81.70 to 82.70): BNC

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BNC





#9

Naphthalene

Concen: 0.036 ng

RT: 10.27 min Scan# 835

Delta R.T. -0.01 min

Lab File: BN009431.D

Acq: 23 Jan 2020 19:40

Instrument :

BNA_N

ClientSampleId :

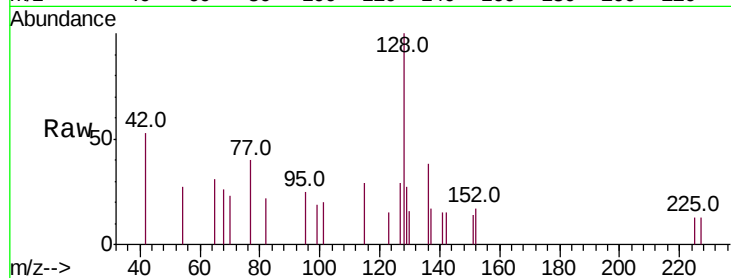
Tot Ion:128 Resp: 518

Ion Ratio Lower Upper

128 100

129 27.3 10.4 15.6#

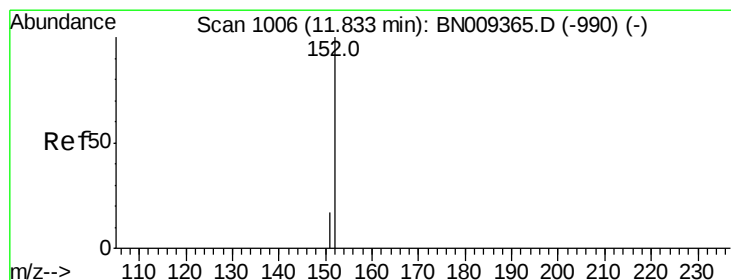
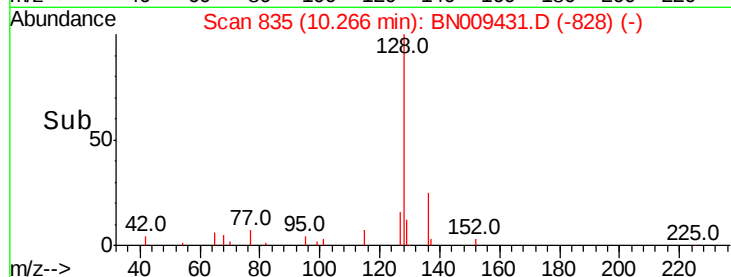
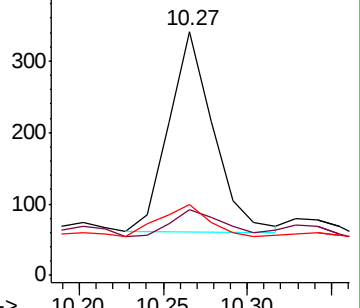
127 29.0 11.4 17.2#



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: 0.340 ng

RT: 11.81 min Scan# 1002

Delta R.T. -0.02 min

Lab File: BN009431.D

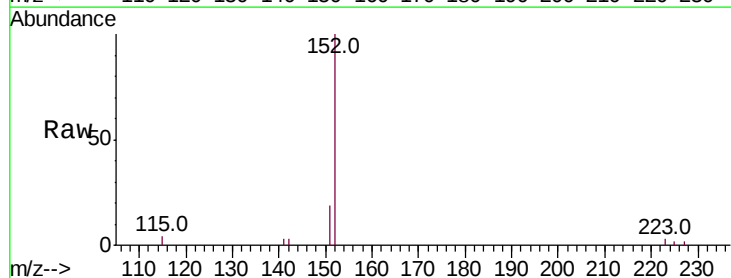
Acq: 23 Jan 2020 19:40

Tgt Ion:152 Resp: 3447

Ion Ratio Lower Upper

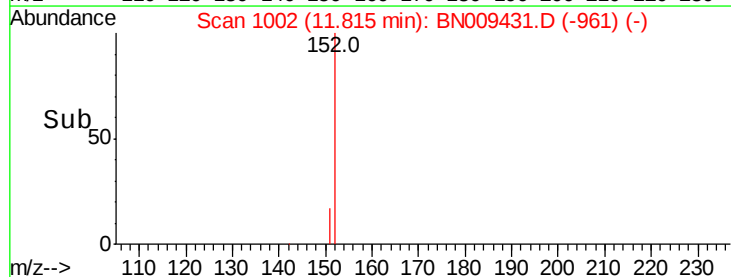
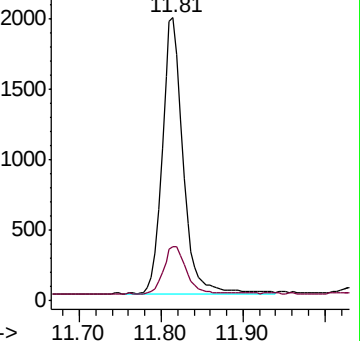
152 100

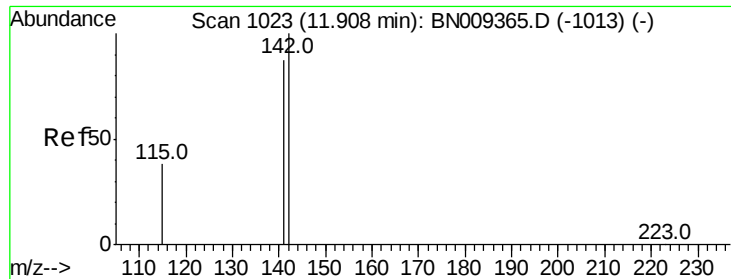
151 18.6 14.8 22.2



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

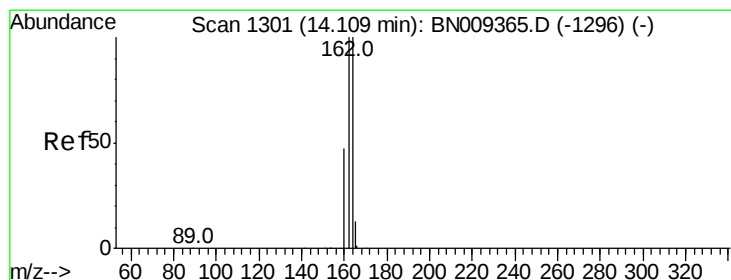
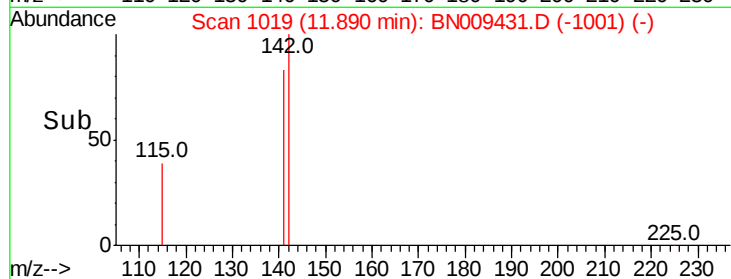
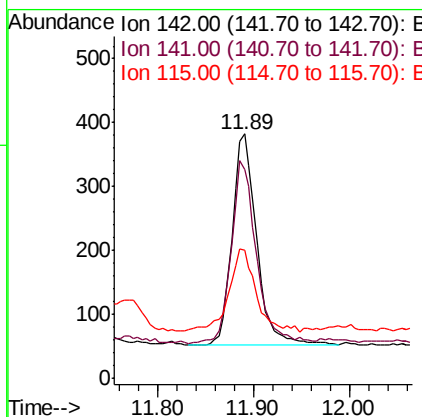
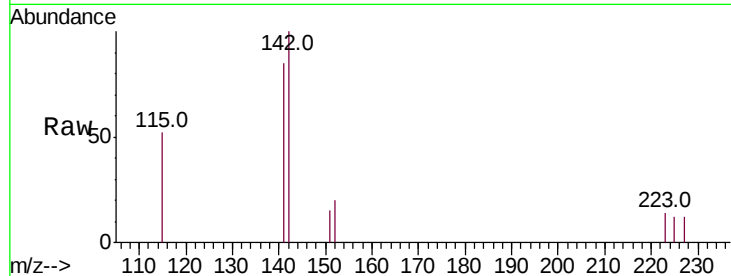




#12
2-Methylnaphthalene
Concen: 0.060 ng
RT: 11.89 min Scan# 1019
Delta R.T. -0.02 min
Lab File: BN009431.D
Acq: 23 Jan 2020 19:40

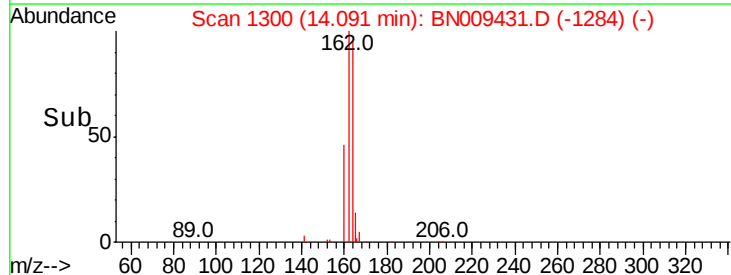
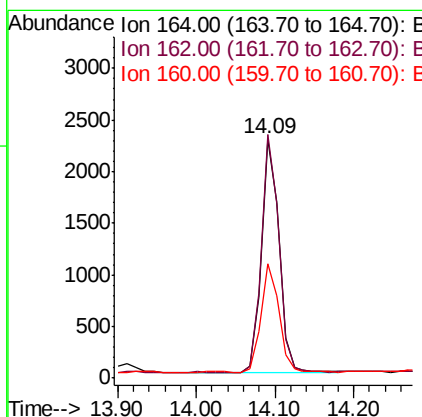
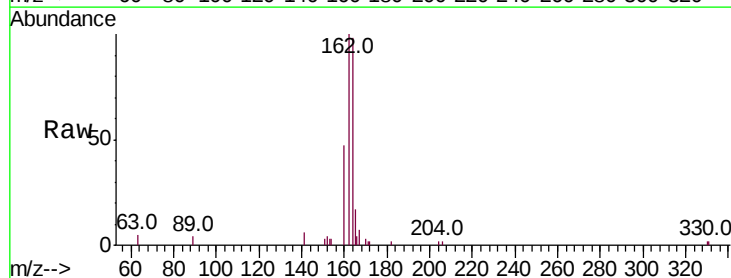
Instrument :
BNA_N
ClientSampled :

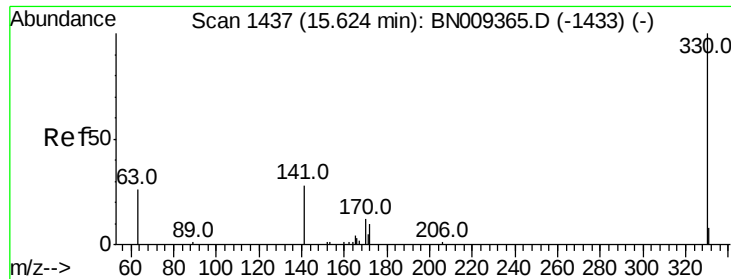
Tot Ion:142 Resp: 589
Ion Ratio Lower Upper
142 100
141 85.3 69.8 104.6
115 52.4 32.5 48.7#



#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.09 min Scan# 1300
Delta R.T. -0.02 min
Lab File: BN009431.D
Acq: 23 Jan 2020 19:40

Tgt Ion:164 Resp: 3450
Ion Ratio Lower Upper
164 100
162 101.9 79.8 119.6
160 47.9 38.4 57.6

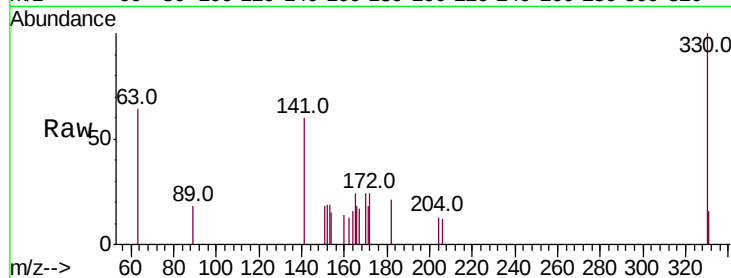




#14
 2,4,6-Tribromophenol
 Concen: 0.588 ng
 RT: 15.60 min Scan# 1435
 Delta R.T. -0.03 min
 Lab File: BN009431.D
 Acq: 23 Jan 2020 19:40

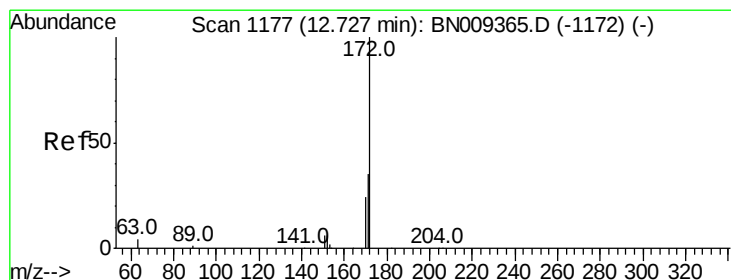
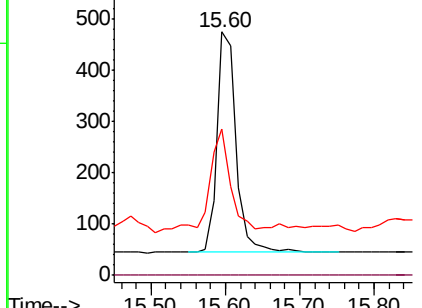
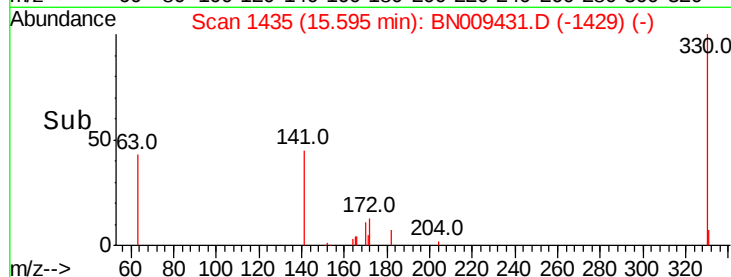
Instrument :
 BNA_N
 ClientSampleId :

Tot Ion:330 Resp: 767
 Ion Ratio Lower Upper
 330 100
 332 0.0 0.0 0.0
 141 44.7 33.1 49.7



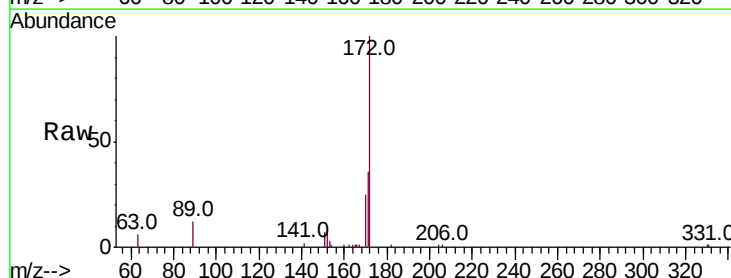
Abundance Ion 330.00 (329.70 to 330.70): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

15.60



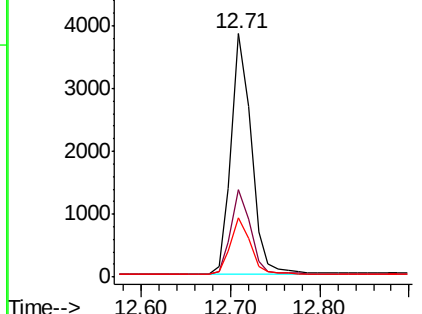
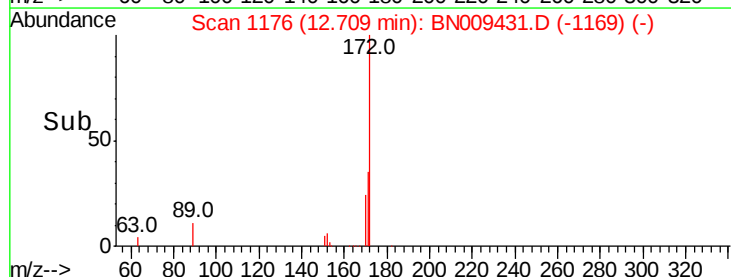
#15
 2-Fluorobiphenyl
 Concen: 0.469 ng
 RT: 12.71 min Scan# 1176
 Delta R.T. -0.02 min
 Lab File: BN009431.D
 Acq: 23 Jan 2020 19:40

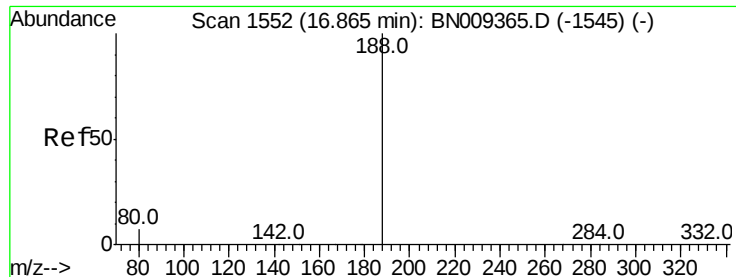
Tgt Ion:172 Resp: 6053
 Ion Ratio Lower Upper
 172 100
 171 35.9 29.5 44.3
 170 24.6 20.7 31.1



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

12.71





#19

Phenanthrene-d10

Concen: 0.400 ng

RT: 16.85 min Scan# 1551

Delta R.T. -0.02 min

Lab File: BN009431.D

Acq: 23 Jan 2020 19:40

Instrument :

BNA_N

ClientSampleId :

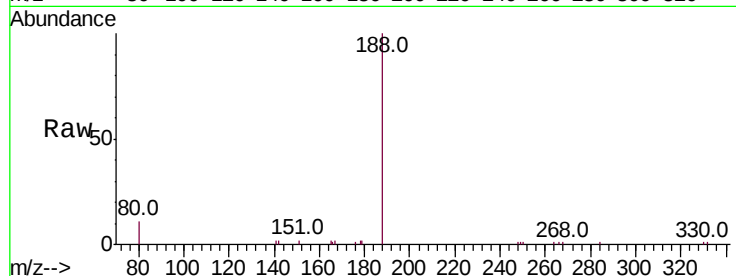
Tot Ion:188 Resp: 7422

Ion Ratio Lower Upper

188 100

94 0.0 0.0 0.0

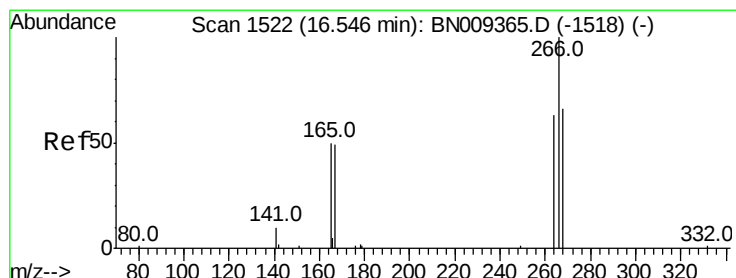
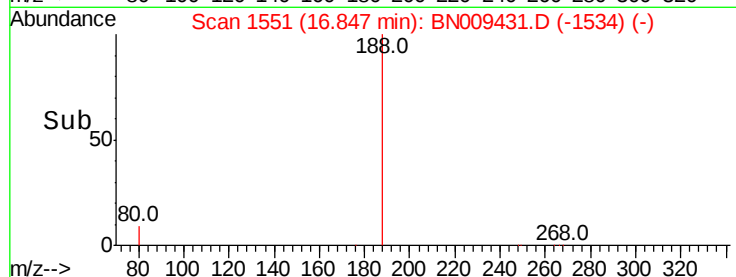
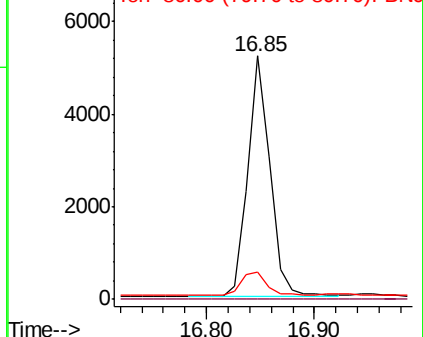
80 11.0 6.6 10.0#



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: 0.159 ng

RT: 16.52 min Scan# 1520

Delta R.T. -0.03 min

Lab File: BN009431.D

Acq: 23 Jan 2020 19:40

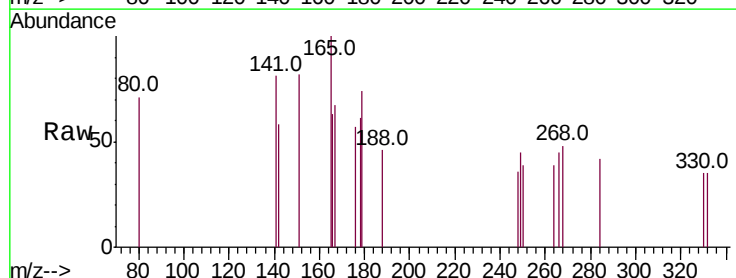
Tgt Ion:266 Resp: 24

Ion Ratio Lower Upper

266 100

264 86.4 57.8 86.6

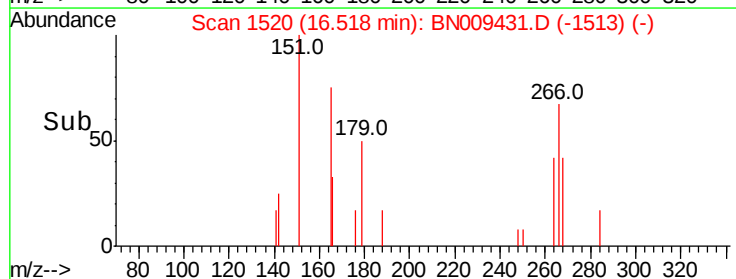
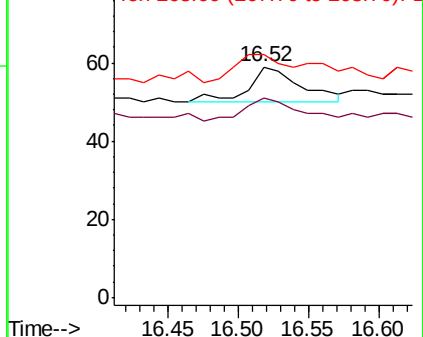
268 105.1 63.8 95.6#

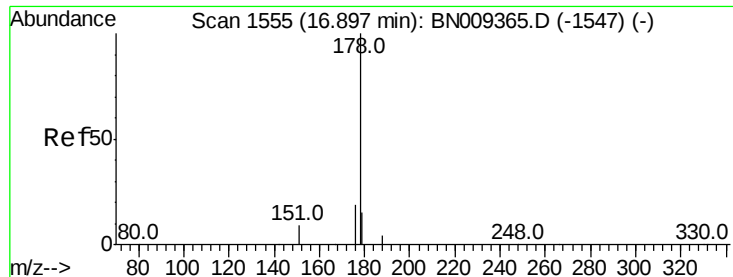


Abundance Ion 266.00 (265.70 to 266.70): E

Ion 264.00 (263.70 to 264.70): E

Ion 268.00 (267.70 to 268.70): E





#23

Phenanthrene

Concen: 0.034 ng

RT: 16.89 min Scan# 1555

Delta R.T. -0.01 min

Lab File: BN009431.D

Acq: 23 Jan 2020 19:40

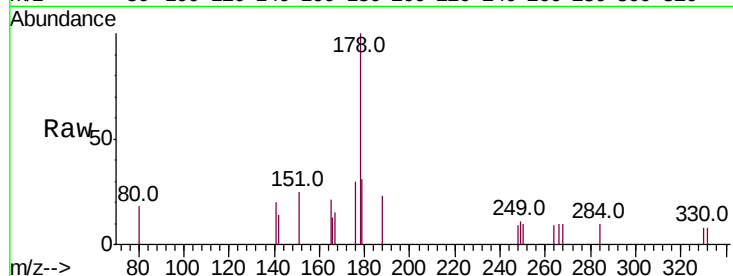
Instrument :

BNA_N

ClientSampleId :

Tot Ion:178 Resp: 755

Ion	Ratio	Lower	Upper
178	100		
176	19.5	15.0	22.4
179	25.2	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

16.89

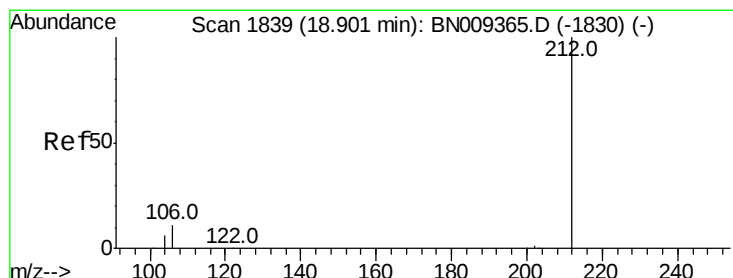
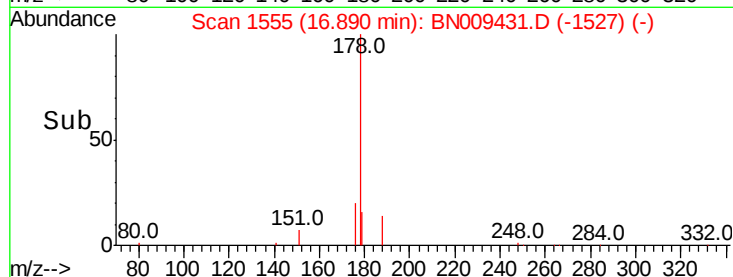
16.89

16.89

16.89

16.89

Time-->



#25

Fluoranthene-d10

Concen: 0.365 ng

RT: 18.89 min Scan# 1838

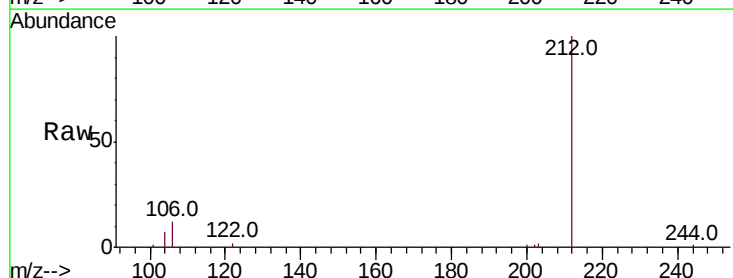
Delta R.T. -0.01 min

Lab File: BN009431.D

Acq: 23 Jan 2020 19:40

Tgt Ion:212 Resp: 9279

Ion	Ratio	Lower	Upper
212	100		
106	11.9	9.2	13.8
104	7.1	5.4	8.0



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

18.89

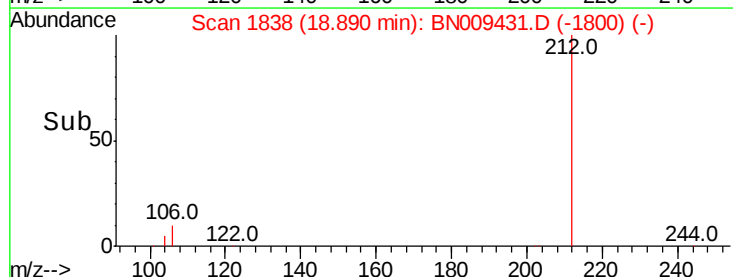
18.89

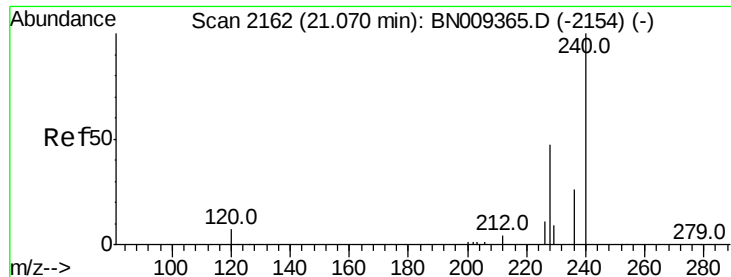
18.89

18.89

18.89

Time-->





#27

Chrysene-d12

Concen: 0.400 ng

RT: 21.06 min Scan# 2162

Delta R.T. -0.01 min

Lab File: BN009431.D

Acq: 23 Jan 2020 19:40

Instrument :

BNA_N

ClientSampleId :

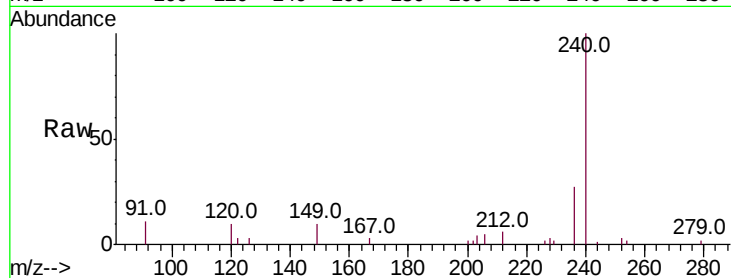
Tot Ion:240 Resp: 7156

Ion Ratio Lower Upper

240 100

120 10.4 8.1 12.1

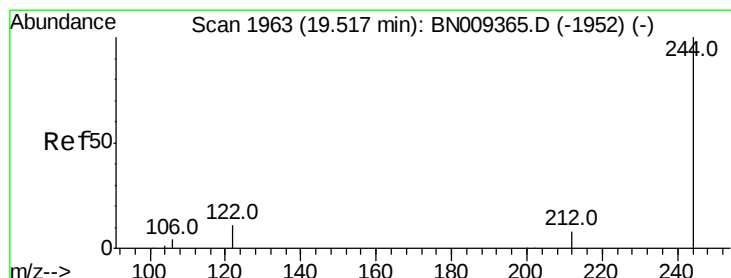
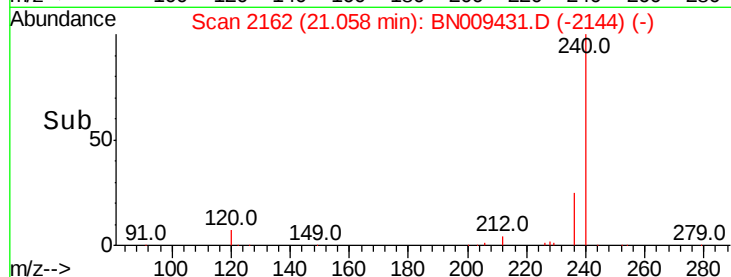
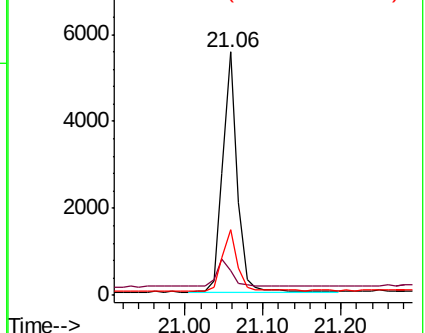
236 27.0 22.2 33.4



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: 0.516 ng

RT: 19.50 min Scan# 1961

Delta R.T. -0.02 min

Lab File: BN009431.D

Acq: 23 Jan 2020 19:40

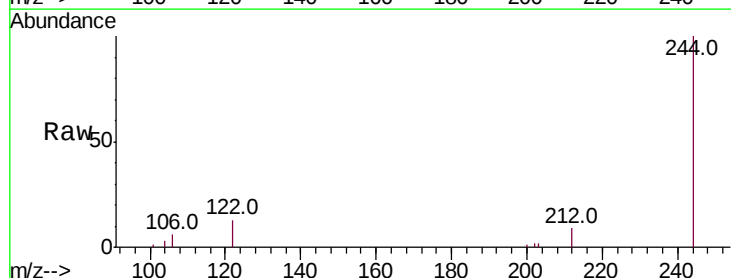
Tgt Ion:244 Resp: 8755

Ion Ratio Lower Upper

244 100

212 9.4 7.5 11.3

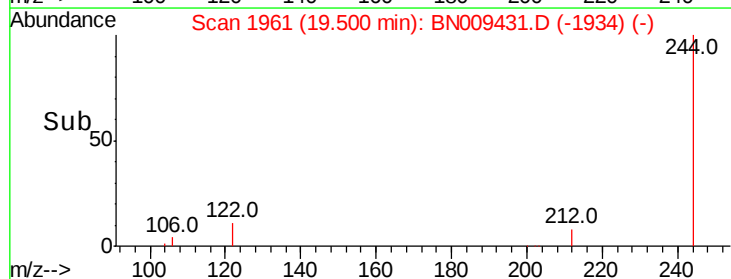
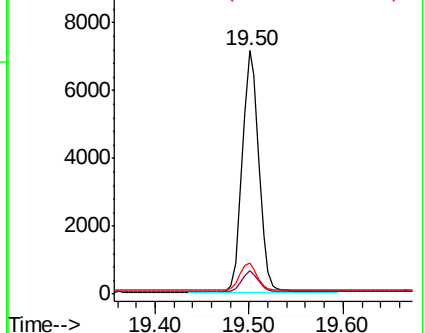
122 13.0 9.8 14.6

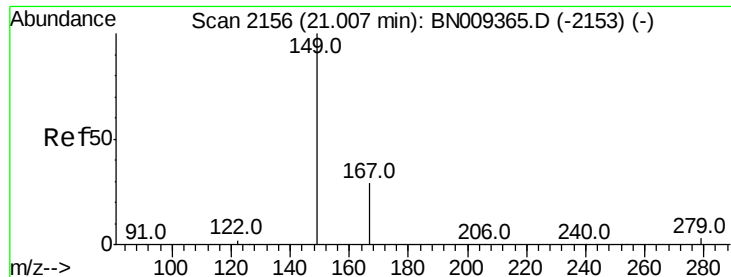


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#32

Bis(2-ethylhexyl)phthalate

Concen: 0.305 ng

RT: 20.99 min Scan# 2156

Delta R.T. -0.01 min

Lab File: BN009431.D

Acq: 23 Jan 2020 19:40

Instrument :

BNA_N

ClientSampleId :

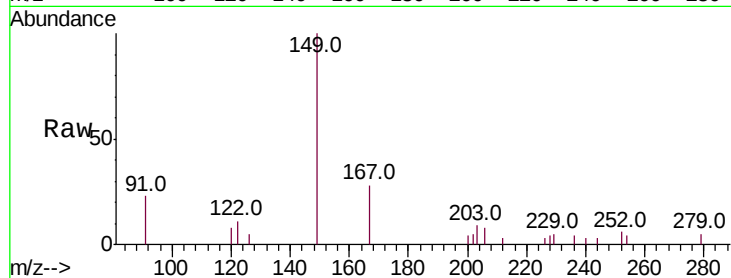
Tot Ion:149 Resp: 3169

Ion Ratio Lower Upper

149 100

167 28.9 22.9 34.3

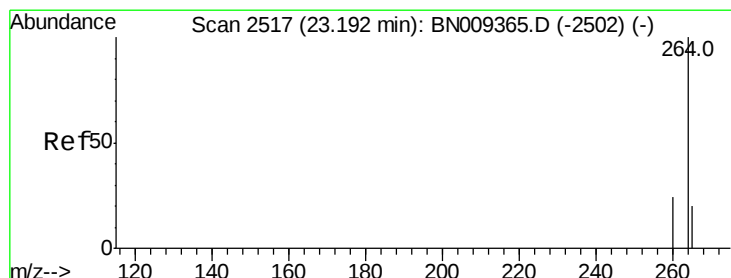
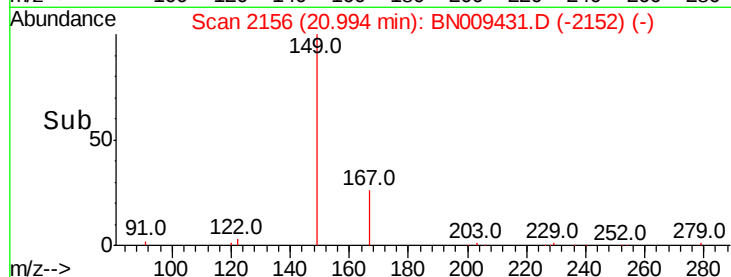
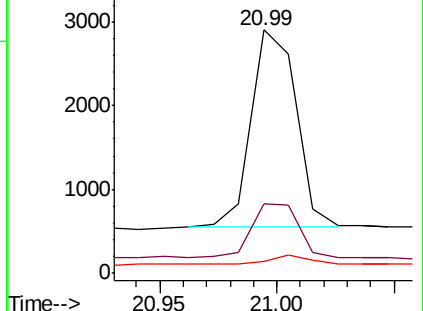
279 4.0 3.4 5.0



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: 23.17 min Scan# 2513

Delta R.T. -0.02 min

Lab File: BN009431.D

Acq: 23 Jan 2020 19:40

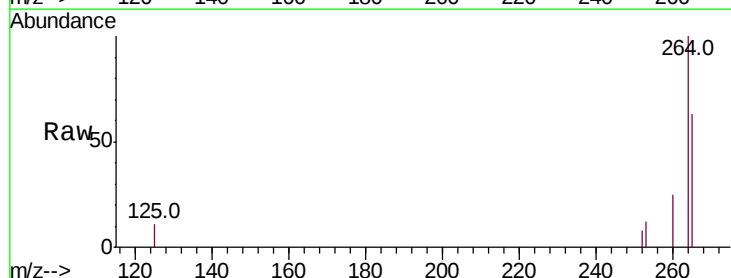
Tgt Ion:264 Resp: 7897

Ion Ratio Lower Upper

264 100

260 25.0 20.1 30.1

265 62.9 68.2 102.4#



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

