

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN062420\
 Data File : BN011045.D
 Acq On : 24 Jun 2020 13:14
 Operator : CG/JU
 Sample : L3033-05
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 Z1-DUP-0571-200615

Quant Time: Jun 24 13:50:02 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\8270-SIM-BN062320.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Jun 23 18:53:50 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.52	152	2640	0.40	ng	0.00
7) Naphthalene-d8	10.27	136	9249	0.40	ng	0.00
13) Acenaphthene-d10	14.14	164	5255	0.40	ng	0.00
19) Phenanthrene-d10	16.90	188	11076	0.40	ng	0.00
29) Chrysene-d12	21.11	240	10901	0.40	ng	-0.01
36) Perylene-d12	23.25	264	11175	0.40	ng	-0.02

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Fluorophenol	5.19	112	1353	0.18	ng	0.00
5) Phenol-d6	6.73	99	762	0.09	ng	0.02
8) Nitrobenzene-d5	8.66	82	2843	0.34	ng	0.01
11) 2-Methylnaphthalene-d10	11.86	152	4745	0.29	ng	0.00
14) 2,4,6-Tribromophenol	15.64	330	832	0.36	ng	0.00
15) 2-Fluorobiphenyl	12.76	172	9313	0.38	ng	0.00
27) Fluoranthene-d10	18.93	212	11797	0.34	ng	0.00
31) Terphenyl-d14	19.55	244	13549	0.46	ng	0.00

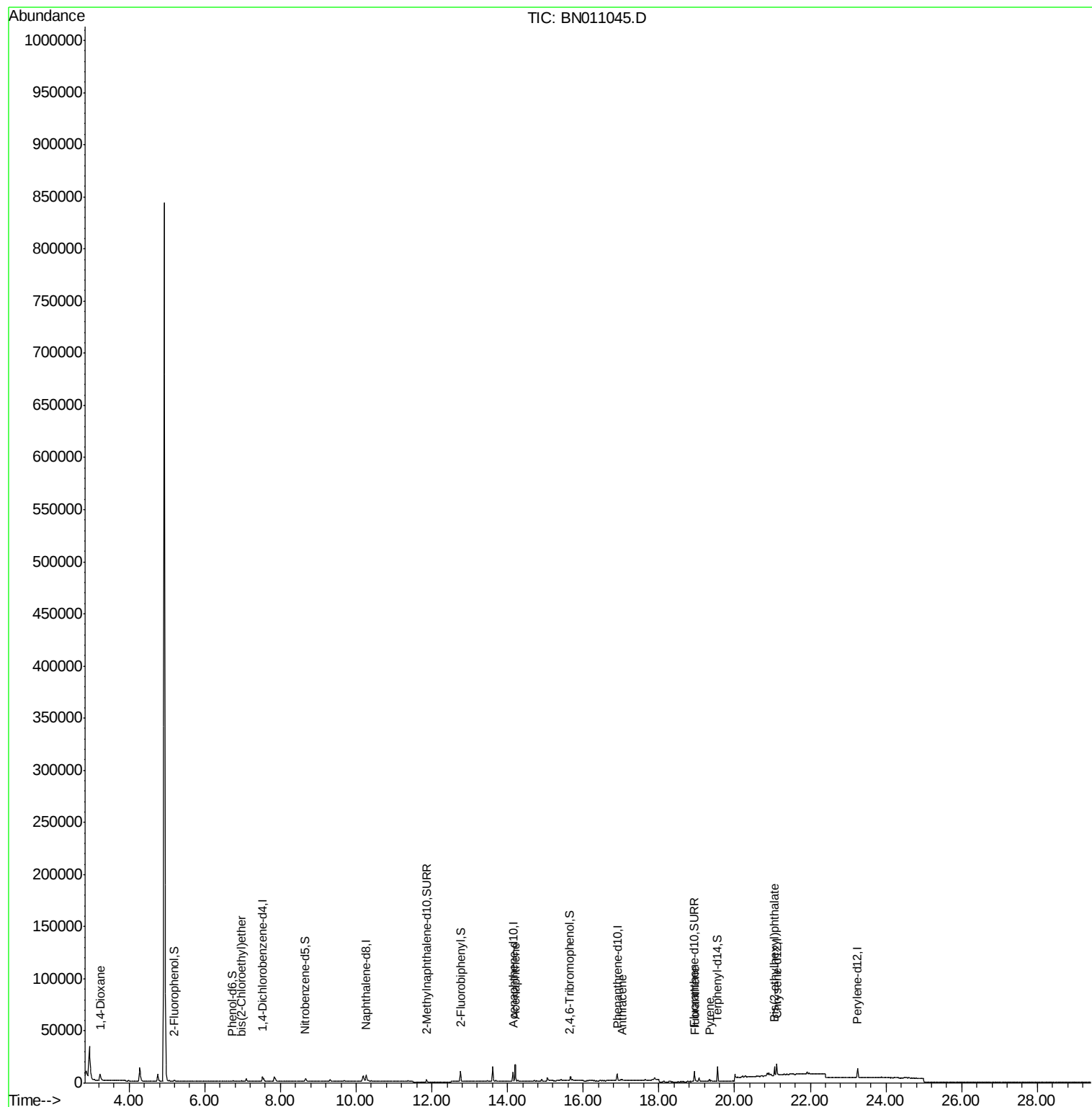
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) 1,4-Dioxane	3.23	88	7901	2.226	ng	99
6) bis(2-Chloroethyl)ether	6.97	93	989	0.130	ng	96
17) Acenaphthene	14.21	154	9665	0.543	ng	98
26) Anthracene	17.03	178	1322	0.043	ng	# 87
28) Fluoranthene	18.96	202	1284	0.030	ng	# 86
30) Pyrene	19.33	202	1538	0.037	ng	# 84
34) Bis(2-ethylhexyl)phthalate	21.06	149	7860	0.518	ng	99

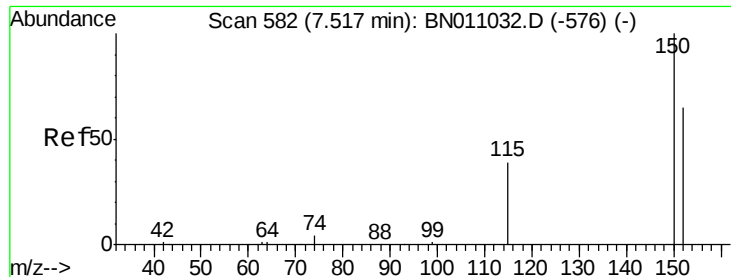
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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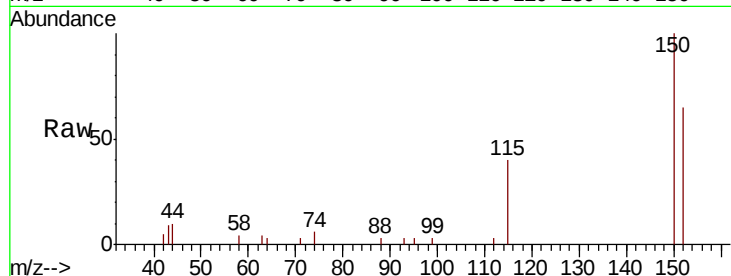


#1

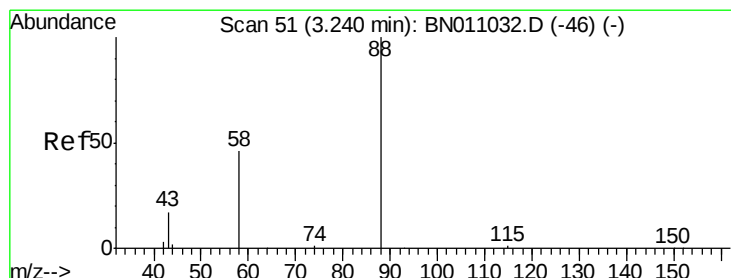
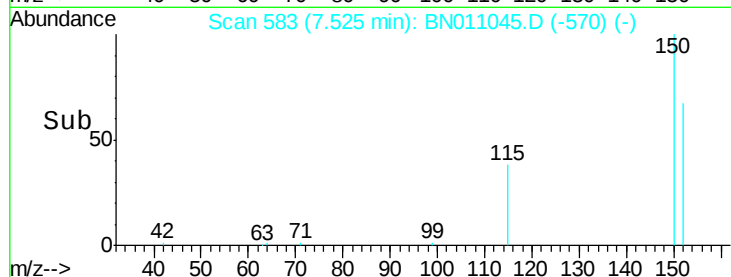
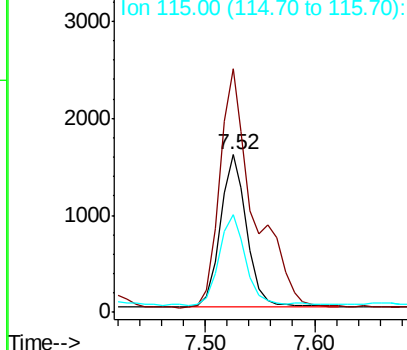
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.52 min Scan# 583
Delta R.T. 0.01 min
Lab File: BN011045.D
Acq: 24 Jun 2020 13:14

Instrument :
BNA_N
ClientSampleId :
Z1-DUP-0571-200615

Tot Ion:152 Resp: 2640
Ion Ratio Lower Upper
152 100
150 154.7 121.8 182.8
115 61.8 50.2 75.2



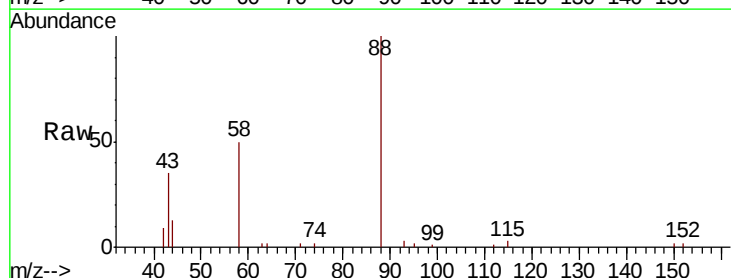
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



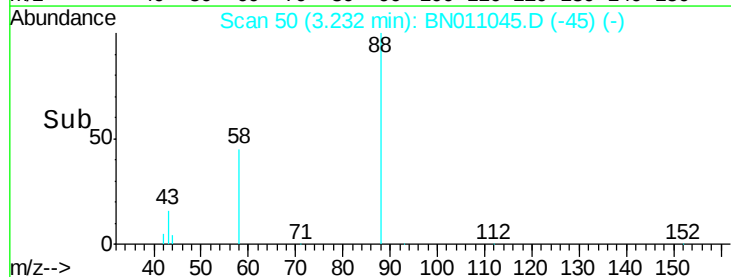
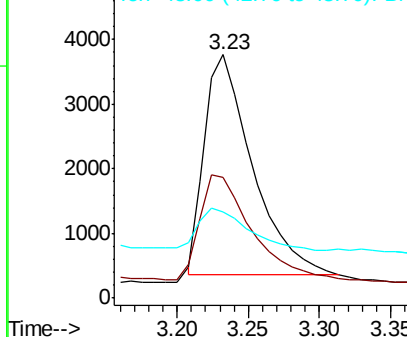
#2

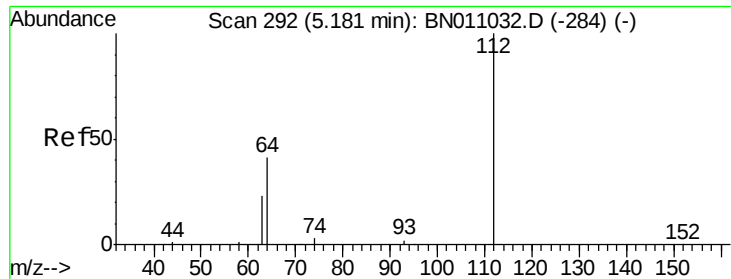
1,4-Dioxane
Concen: 2.226 ng
RT: 3.23 min Scan# 50
Delta R.T. -0.01 min
Lab File: BN011045.D
Acq: 24 Jun 2020 13:14

Tgt Ion: 88 Resp: 7901
Ion Ratio Lower Upper
88 100
58 48.3 38.4 57.6
43 19.1 14.2 21.4



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: 0.182 ng

RT: 5.19 min Scan# 293

Delta R.T. 0.01 min

Lab File: BN011045.D

Acq: 24 Jun 2020 13:14

Instrument :

BNA_N

ClientSampleId :

Z1-DUP-0571-200615

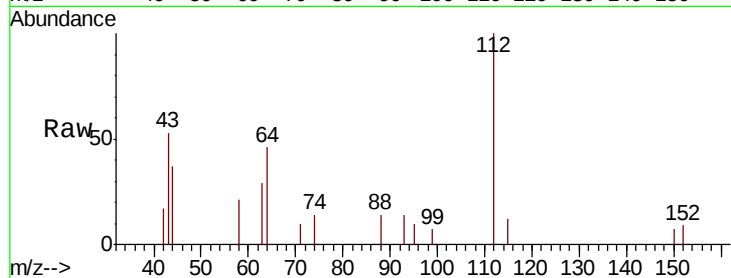
Tot Ion: 112 Resp: 1353

Ion Ratio Lower Upper

112 100

64 42.8 37.3 55.9

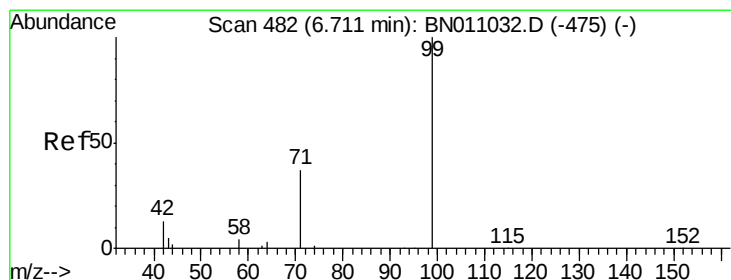
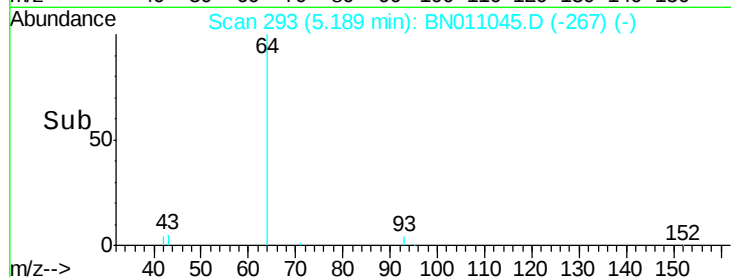
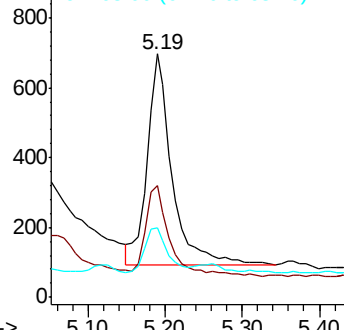
63 19.2 20.4 30.6#



Abundance Ion 112.00 (111.70 to 112.70): B

Ion 64.00 (63.70 to 64.70): B

Ion 63.00 (62.70 to 63.70): B



#5

Phenol-d6

Concen: 0.086 ng

RT: 6.73 min Scan# 484

Delta R.T. 0.02 min

Lab File: BN011045.D

Acq: 24 Jun 2020 13:14

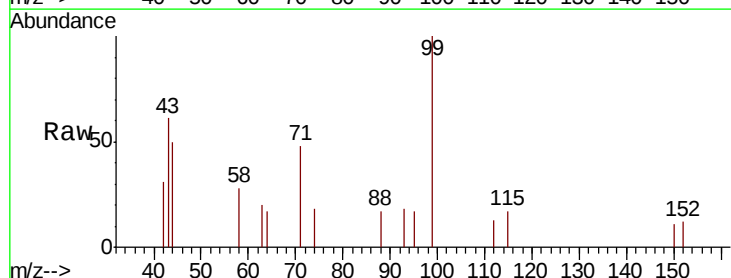
Tgt Ion: 99 Resp: 762

Ion Ratio Lower Upper

99 100

42 22.7 10.6 16.0#

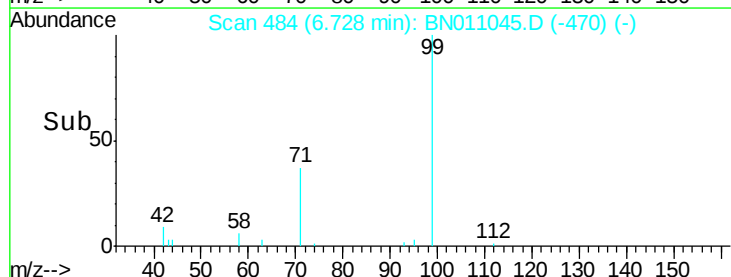
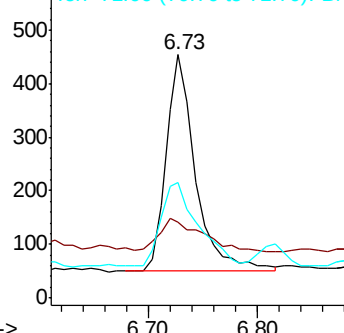
71 49.5 28.7 43.1#

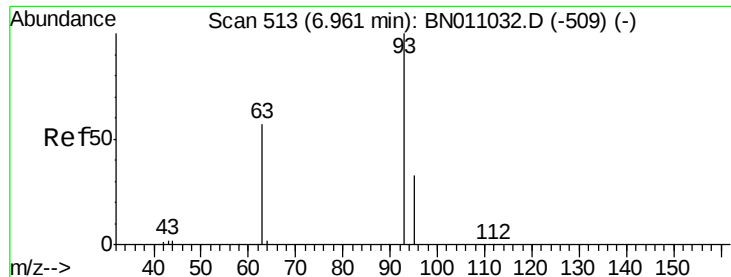


Abundance Ion 99.00 (98.70 to 99.70): B

Ion 42.00 (41.70 to 42.70): B

Ion 71.00 (70.70 to 71.70): B





#6

bis(2-Chloroethyl)ether

Concen: 0.130 ng

RT: 6.97 min Scan# 514

Delta R.T. 0.01 min

Lab File: BN011045.D

Acq: 24 Jun 2020 13:14

Instrument :

BNA_N

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Z1-DUP-0571-200615

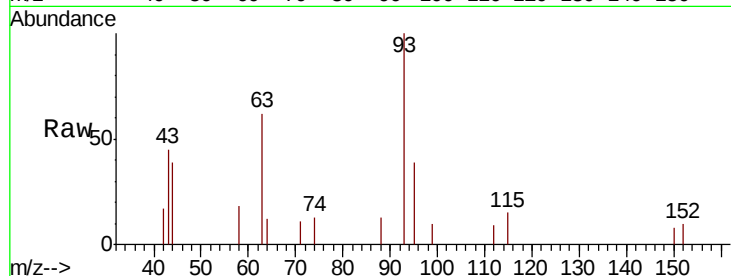
Tot Ion: 93 Resp: 989

Ion Ratio Lower Upper

93 100

63 50.4 43.7 65.5

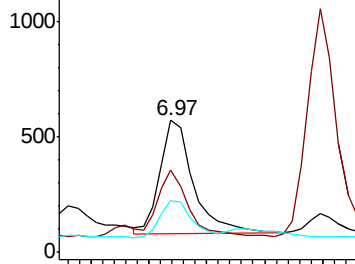
95 30.5 25.3 37.9



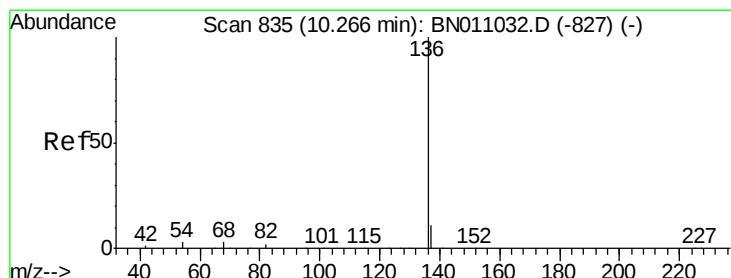
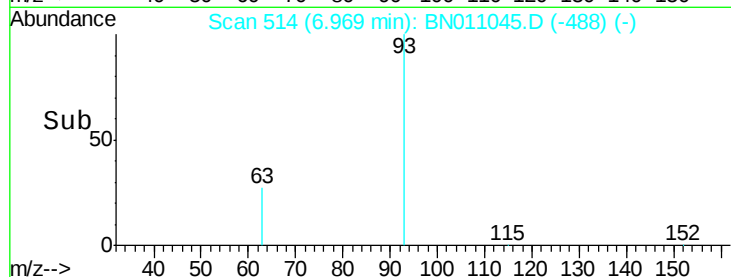
Abundance Ion 93.00 (92.70 to 93.70): BN011032.D (-509) (-)

Ion 63.00 (62.70 to 63.70): BN011032.D (-509) (-)

Ion 95.00 (94.70 to 95.70): BN011032.D (-509) (-)



Time-->



#7

Naphthalene-d8

Concen: 0.400 ng

RT: 10.27 min Scan# 835

Delta R.T. 0.00 min

Lab File: BN011045.D

Acq: 24 Jun 2020 13:14

Tgt Ion: 136 Resp: 9249

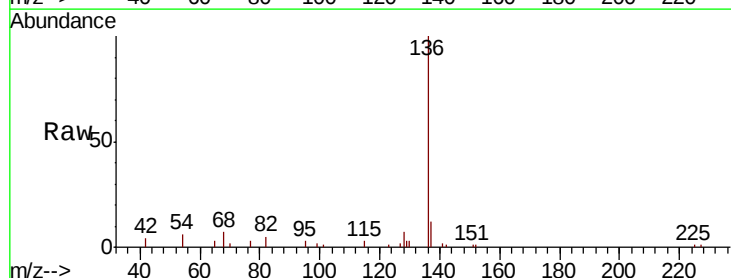
Ion Ratio Lower Upper

136 100

137 12.1 9.6 14.4

54 5.7 3.0 4.4#

68 6.8 3.4 5.2#

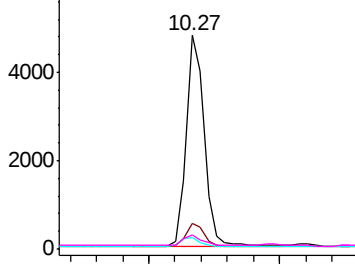


Abundance Ion 136.00 (135.70 to 136.70): BN011032.D (-827) (-)

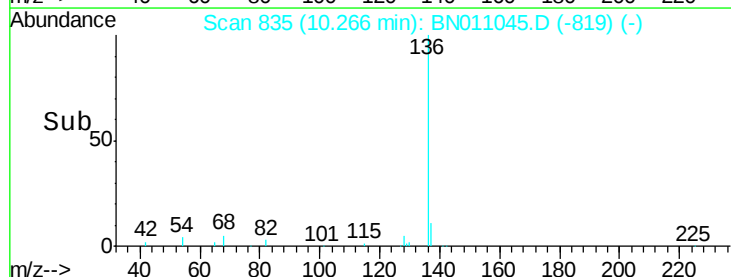
Ion 137.00 (136.70 to 137.70): BN011032.D (-827) (-)

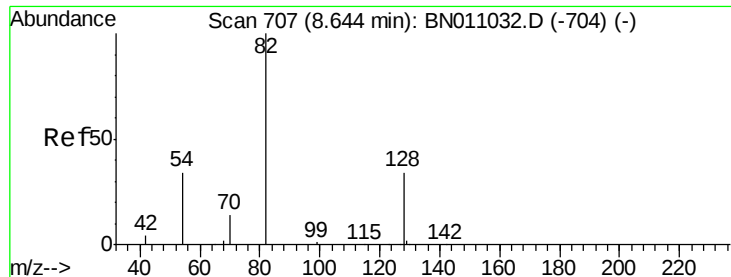
Ion 54.00 (53.70 to 54.70): BN011032.D (-827) (-)

Ion 68.00 (67.70 to 68.70): BN011032.D (-827) (-)



Time-->





#8

Nitrobenzene-d5

Concen: 0.337 ng

RT: 8.66 min Scan# 708

Delta R.T. 0.01 min

Lab File: BN011045.D

Acq: 24 Jun 2020 13:14

Instrument :

BNA_N

ClientSampleId :

Z1-DUP-0571-200615

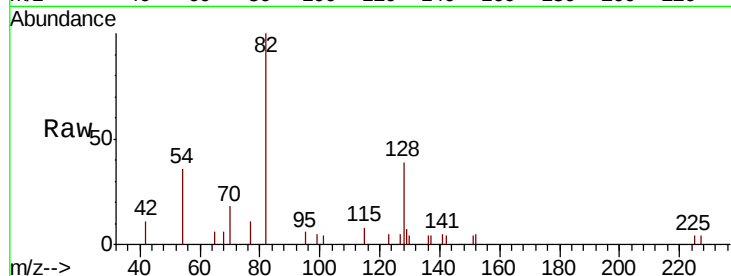
Tot Ion: 82 Resp: 2843

Ion Ratio Lower Upper

82 100

128 38.8 29.4 44.2

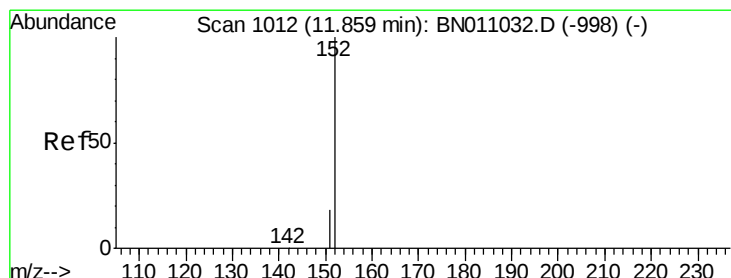
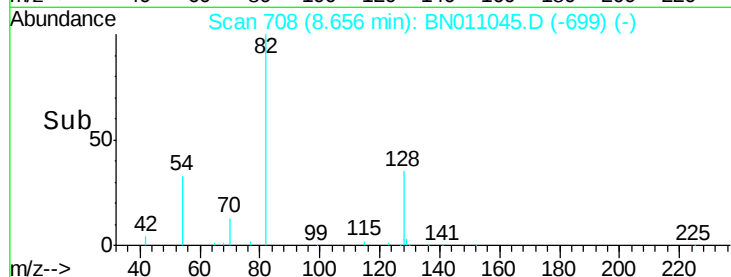
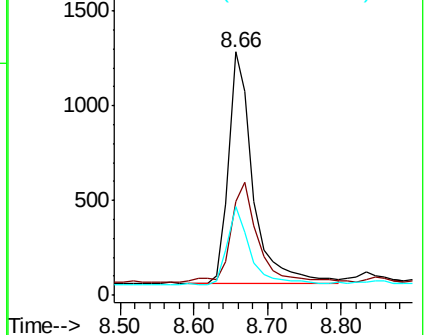
54 36.2 28.8 43.2



Abundance Ion 82.00 (81.70 to 82.70): BN011045.D (-699) (-)

Ion 128.00 (127.70 to 128.70): BN011045.D (-699) (-)

Ion 54.00 (53.70 to 54.70): BN011045.D (-699) (-)



#11

2-Methylnaphthalene-d10

Concen: 0.291 ng

RT: 11.86 min Scan# 1013

Delta R.T. 0.00 min

Lab File: BN011045.D

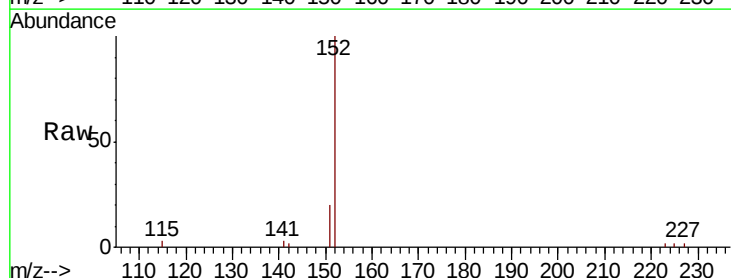
Acq: 24 Jun 2020 13:14

Tgt Ion: 152 Resp: 4745

Ion Ratio Lower Upper

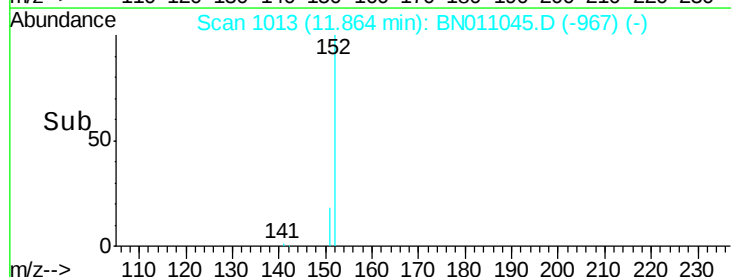
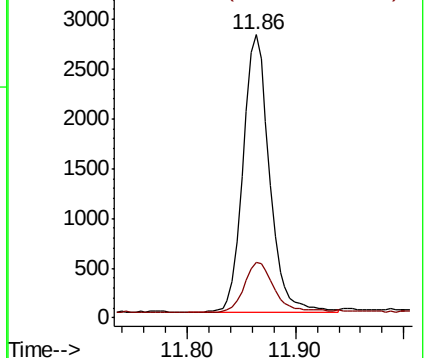
152 100

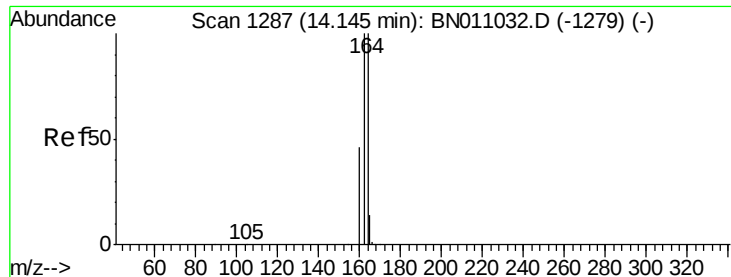
151 20.8 16.2 24.4



Abundance Ion 152.00 (151.70 to 152.70): BN011045.D (-967) (-)

Ion 151.00 (150.70 to 151.70): BN011045.D (-967) (-)





#13

Acenaphthene-d10

Concen: 0.400 ng

RT: 14.14 min Scan# 1287

Delta R.T. 0.00 min

Lab File: BN011045.D

Acq: 24 Jun 2020 13:14

Instrument :

BNA_N

ClientSampleId :

Z1-DUP-0571-200615

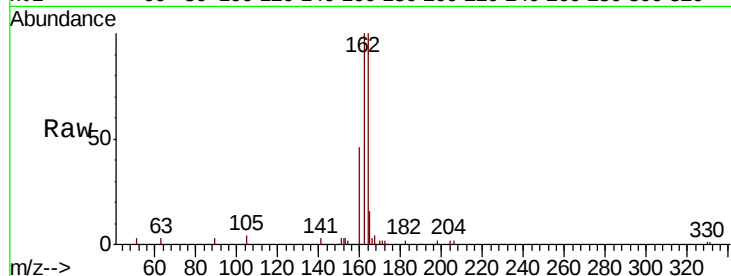
Tot Ion:164 Resp: 5255

Ion Ratio Lower Upper

164 100

162 99.8 80.2 120.4

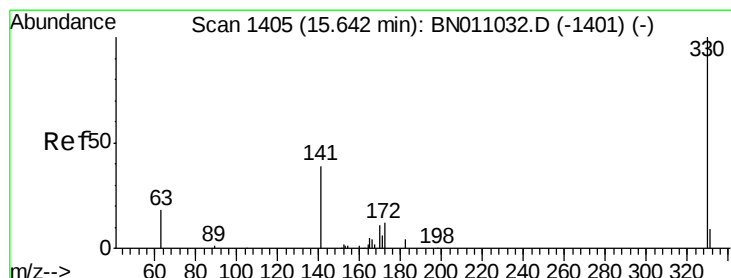
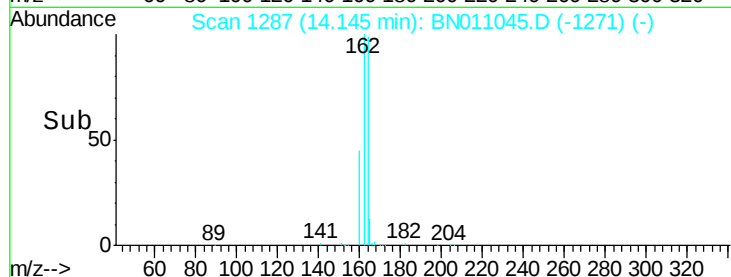
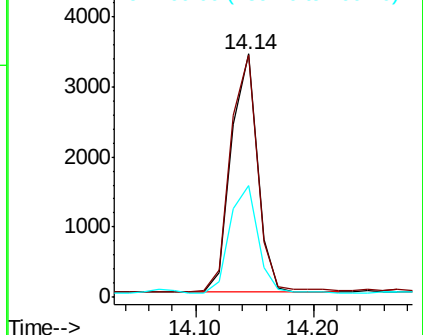
160 45.7 37.7 56.5



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: 0.360 ng

RT: 15.64 min Scan# 1405

Delta R.T. 0.00 min

Lab File: BN011045.D

Acq: 24 Jun 2020 13:14

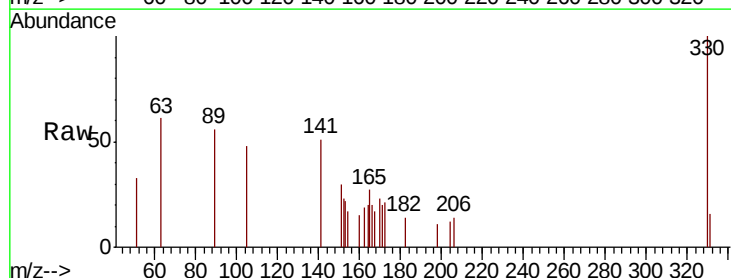
Tgt Ion:330 Resp: 832

Ion Ratio Lower Upper

330 100

332 0.0 0.0 0.0

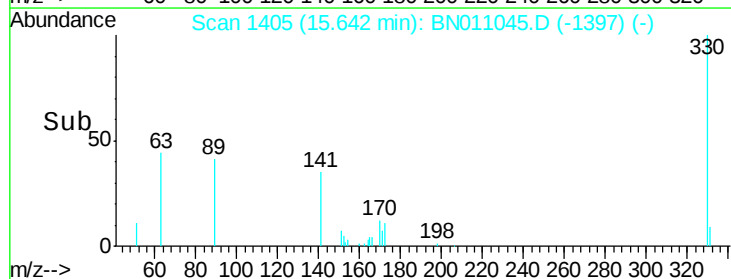
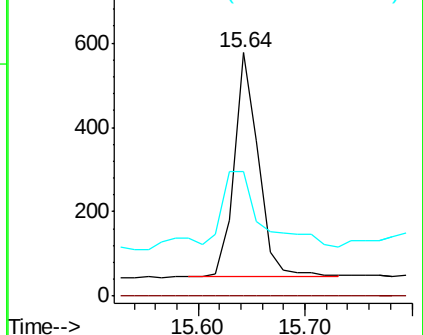
141 53.1 34.5 51.7#

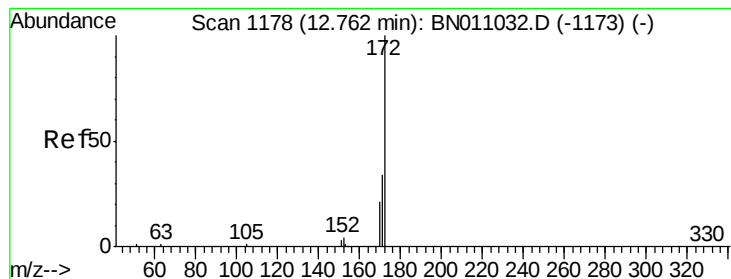


Abundance Ion 330.00 (329.70 to 330.70): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E





#15

2-Fluorobiphenyl

Concen: 0.380 ng

RT: 12.76 min Scan# 1178

Delta R.T. 0.00 min

Lab File: BN011045.D

Acq: 24 Jun 2020 13:14

Instrument :

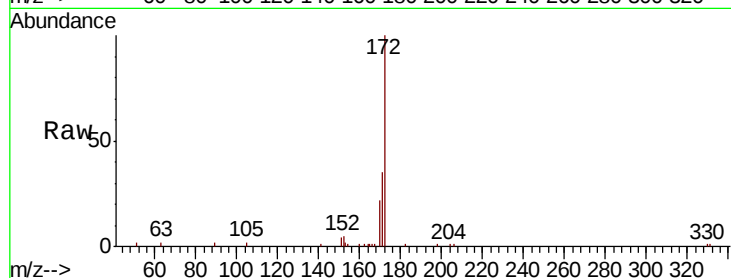
BNA_N

ClientSampleId :

Z1-DUP-0571-200615

Tot Ion:172 Resp: 9313

Ion	Ratio	Lower	Upper
172	100		
171	35.1	27.4	41.2
170	22.5	17.5	26.3

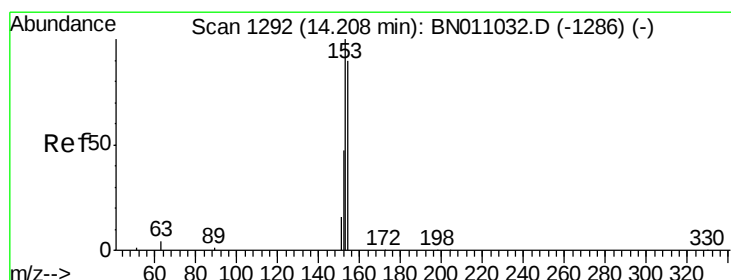
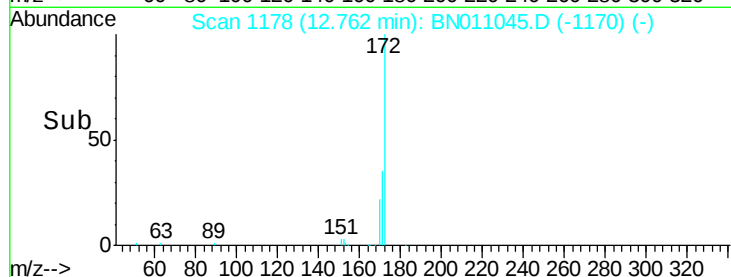
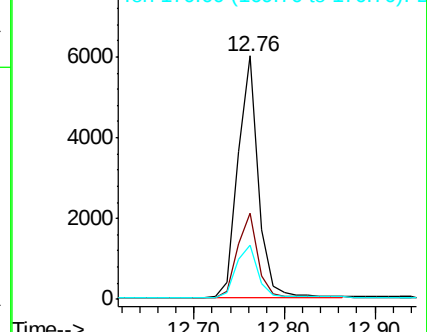


Abundance

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



#17

Acenaphthene

Concen: 0.543 ng

RT: 14.21 min Scan# 1292

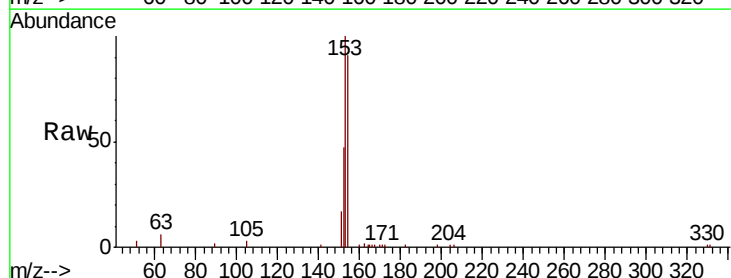
Delta R.T. 0.00 min

Lab File: BN011045.D

Acq: 24 Jun 2020 13:14

Tgt Ion:154 Resp: 9665

Ion	Ratio	Lower	Upper
154	100		
153	112.7	92.3	138.5
152	55.0	45.5	68.3

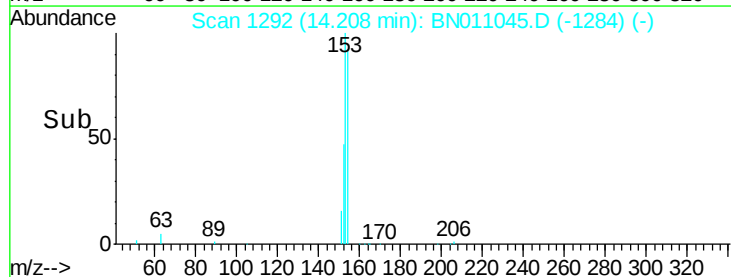
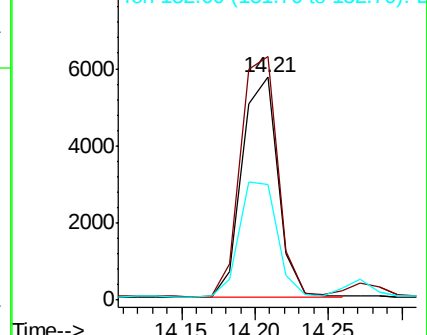


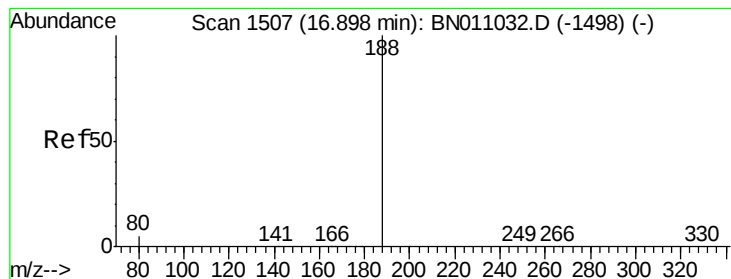
Abundance

Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E





#19

Phenanthrene-d10

Concen: 0.400 ng

RT: 16.90 min Scan# 1507

Delta R.T. 0.00 min

Lab File: BN011045.D

Acq: 24 Jun 2020 13:14

Instrument :

BNA_N

ClientSampleId :

Z1-DUP-0571-200615

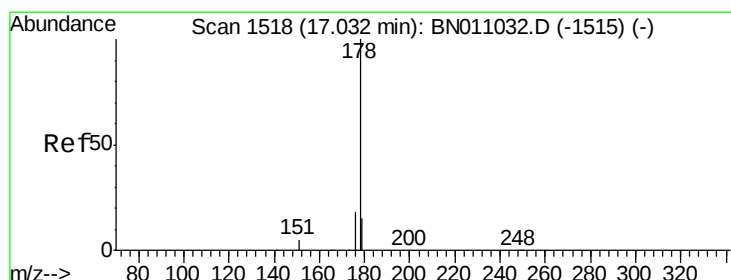
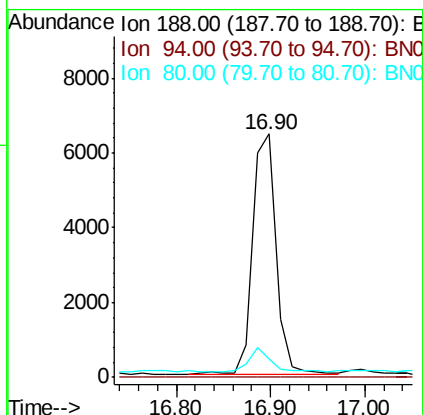
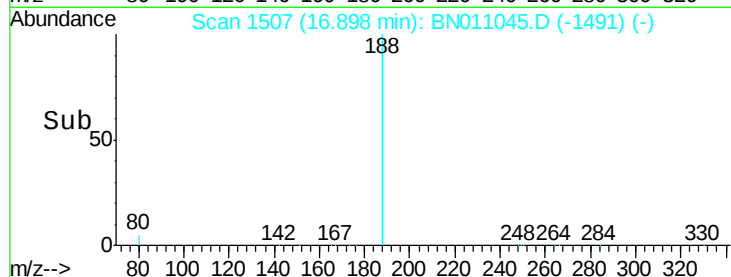
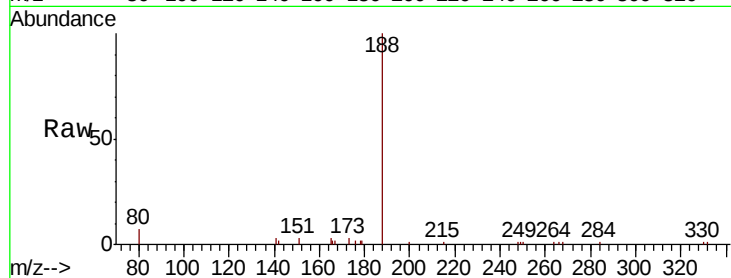
Tot Ion:188 Resp: 11076

Ion Ratio Lower Upper

188 100

94 0.0 0.0 0.0

80 7.5 4.6 7.0#



#26

Anthracene

Concen: 0.043 ng

RT: 17.03 min Scan# 1518

Delta R.T. 0.00 min

Lab File: BN011045.D

Acq: 24 Jun 2020 13:14

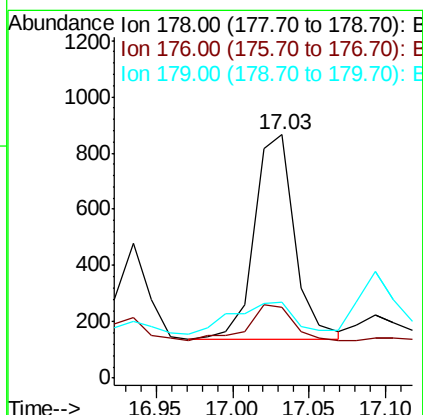
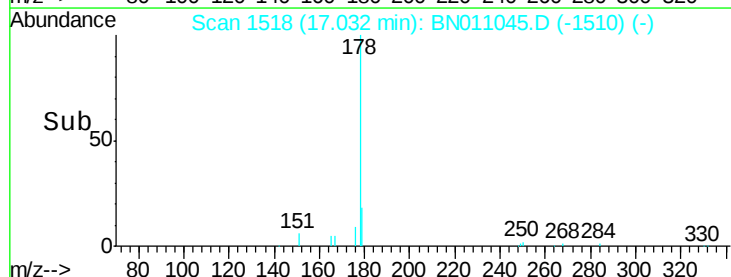
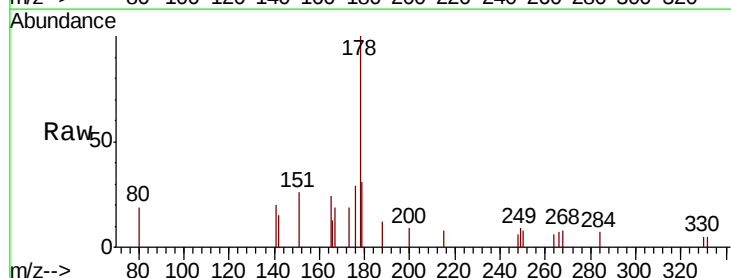
Tgt Ion:178 Resp: 1322

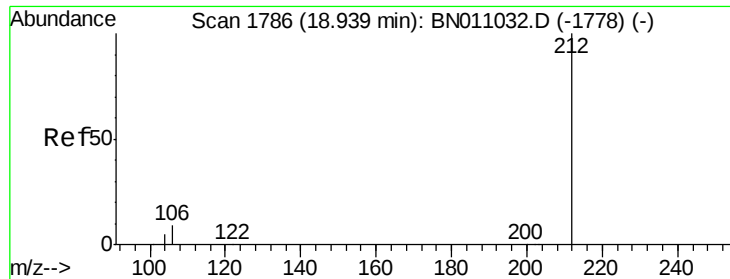
Ion Ratio Lower Upper

178 100

176 20.1 14.7 22.1

179 24.9 12.2 18.4#

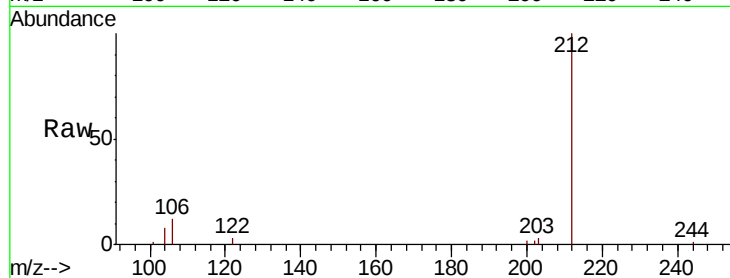




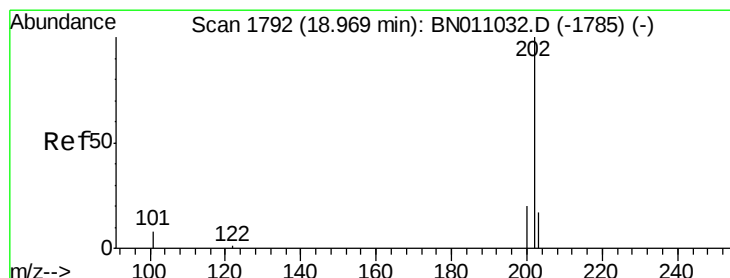
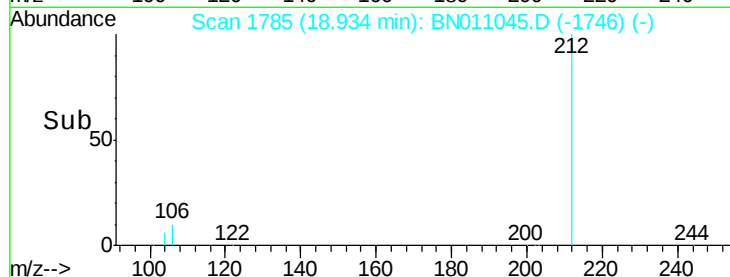
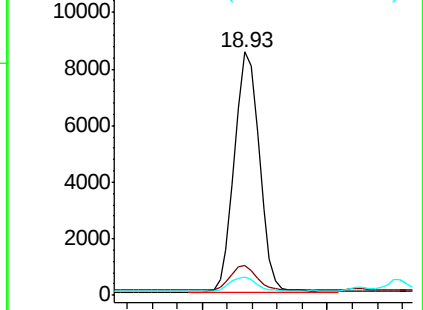
#27
 Fluoranthene-d10
 Concen: 0.337 ng
 RT: 18.93 min Scan# 1785
 Delta R.T. -0.00 min
 Lab File: BN011045.D
 Acq: 24 Jun 2020 13:14

Instrument :
 BNA_N
 ClientSampleId :
 Z1-DUP-0571-200615

Tot Ion:212 Resp: 11797
 Ion Ratio Lower Upper
 212 100
 106 10.0 7.7 11.5
 104 6.2 4.6 6.8

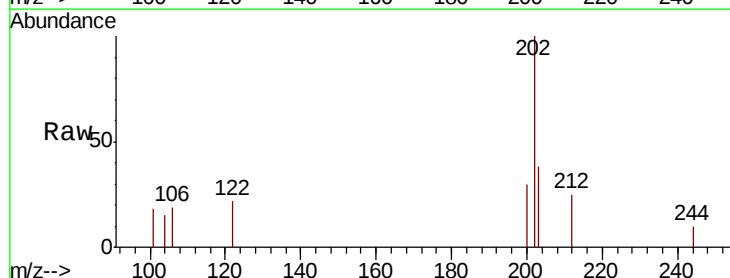


Abundance Ion 212.00 (211.70 to 212.70): E
 Ion 106.00 (105.70 to 106.70): E
 Ion 104.00 (103.70 to 104.70): E

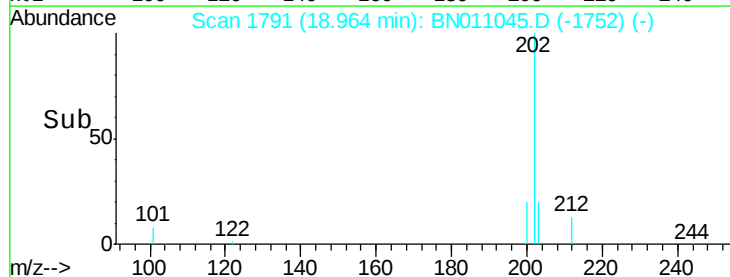
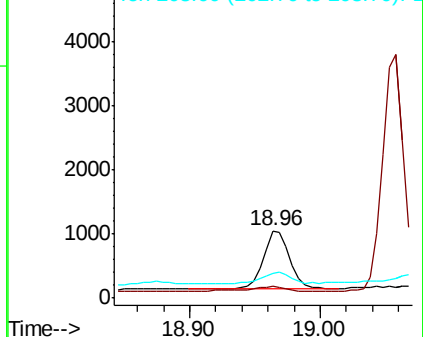


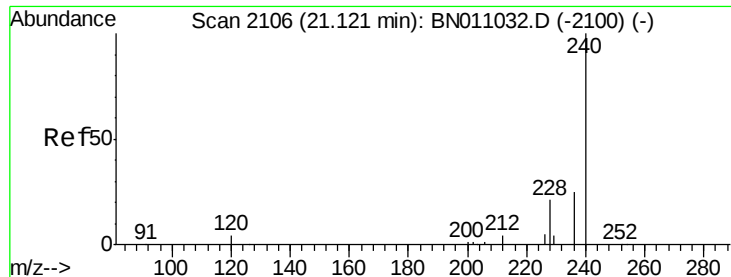
#28
 Fluoranthene
 Concen: 0.030 ng
 RT: 18.96 min Scan# 1791
 Delta R.T. -0.00 min
 Lab File: BN011045.D
 Acq: 24 Jun 2020 13:14

Tgt Ion:202 Resp: 1284
 Ion Ratio Lower Upper
 202 100
 101 0.0 6.6 10.0#
 203 21.3 13.8 20.6#



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

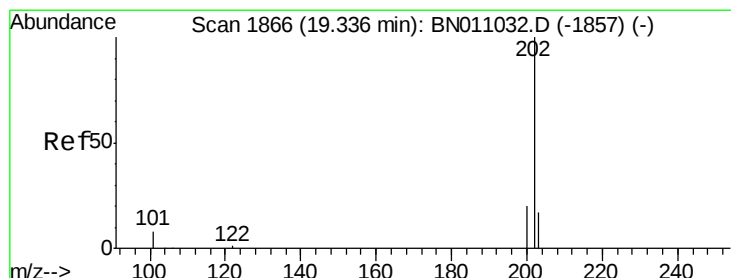
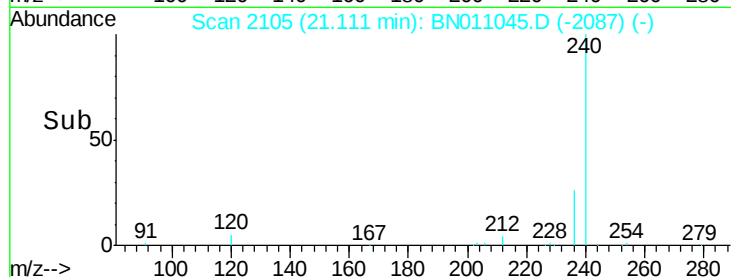
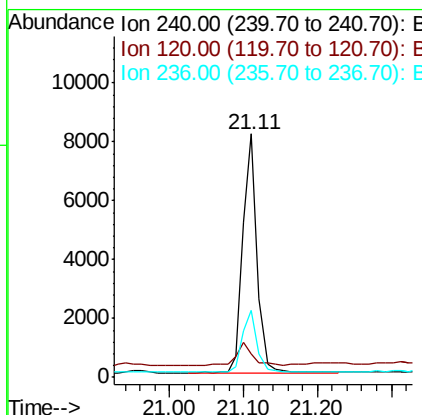
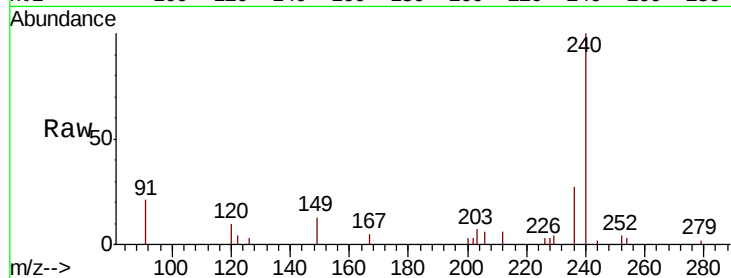




#29
Chrysene-d12
Concen: 0.400 ng
RT: 21.11 min Scan# 2105
Delta R.T. -0.01 min
Lab File: BN011045.D
Acq: 24 Jun 2020 13:14

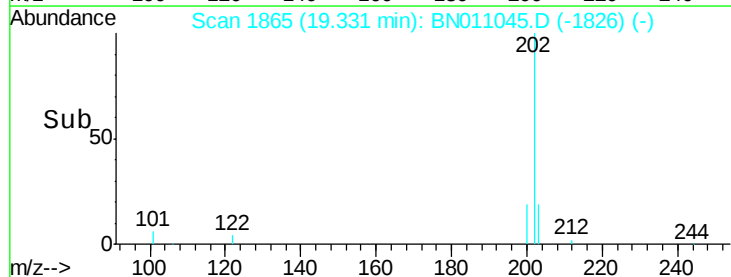
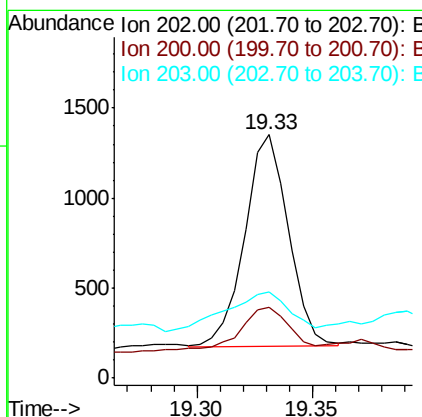
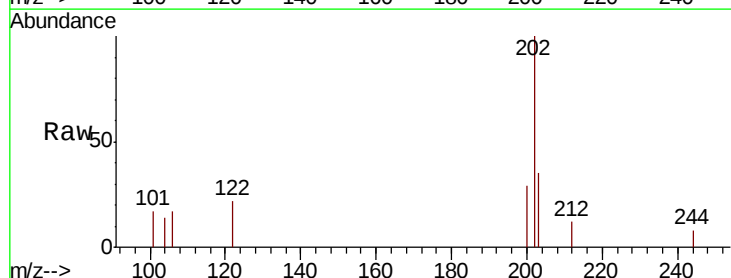
Instrument :
BNA_N
ClientSampleId :
Z1-DUP-0571-200615

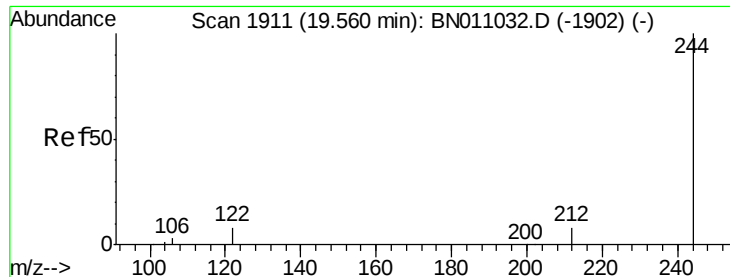
Tot Ion:240 Resp: 10901
Ion Ratio Lower Upper
240 100
120 9.9 5.4 8.0#
236 27.4 21.4 32.2



#30
Pyrene
Concen: 0.037 ng
RT: 19.33 min Scan# 1865
Delta R.T. -0.00 min
Lab File: BN011045.D
Acq: 24 Jun 2020 13:14

Tgt Ion:202 Resp: 1538
Ion Ratio Lower Upper
202 100
200 26.1 16.6 24.8#
203 27.0 14.2 21.2#





#31

Terphenyl-d14

Concen: 0.463 ng

RT: 19.55 min Scan# 1909

Delta R.T. -0.01 min

Lab File: BN011045.D

Acq: 24 Jun 2020 13:14

Instrument :

BNA_N

ClientSampleId :

Z1-DUP-0571-200615

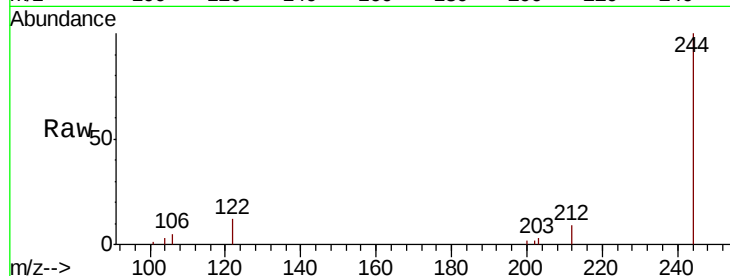
Tot Ion:244 Resp: 13549

Ion Ratio Lower Upper

244 100

212 8.6 6.9 10.3

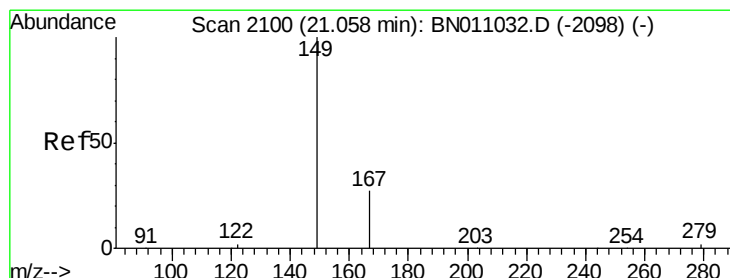
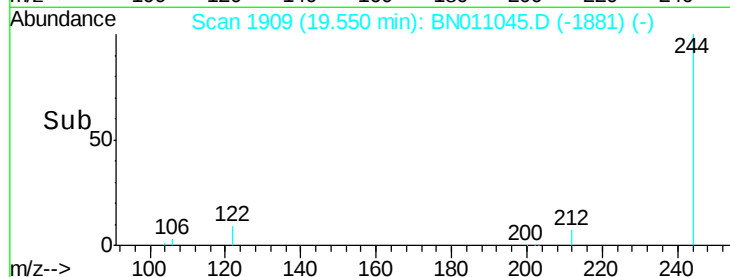
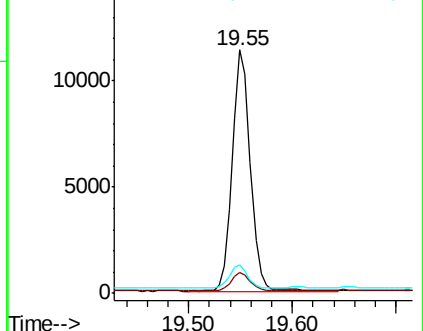
122 11.6 7.4 11.0#



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



#34

Bis(2-ethylhexyl)phthalate

Concen: 0.518 ng

RT: 21.06 min Scan# 2100

Delta R.T. 0.00 min

Lab File: BN011045.D

Acq: 24 Jun 2020 13:14

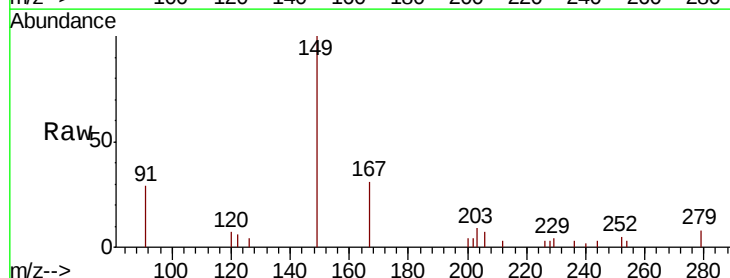
Tgt Ion:149 Resp: 7860

Ion Ratio Lower Upper

149 100

167 27.1 22.2 33.2

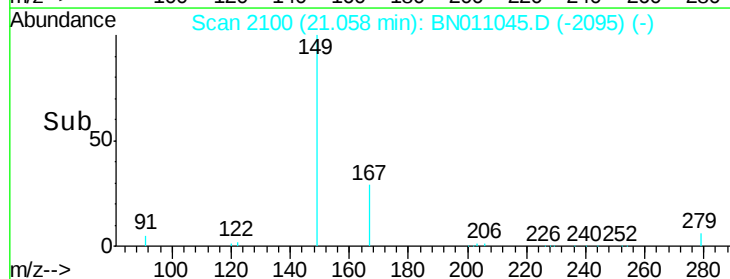
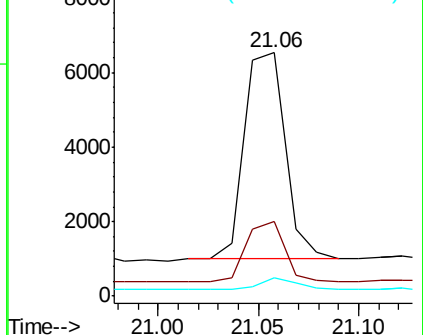
279 4.7 3.9 5.9

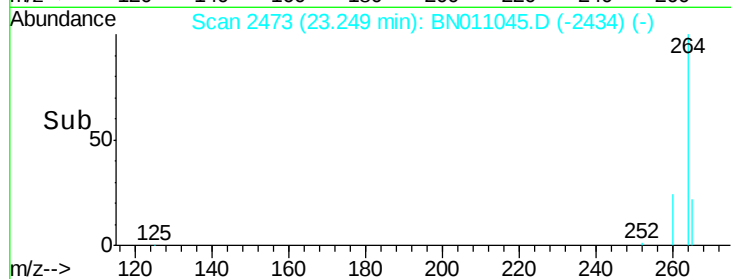
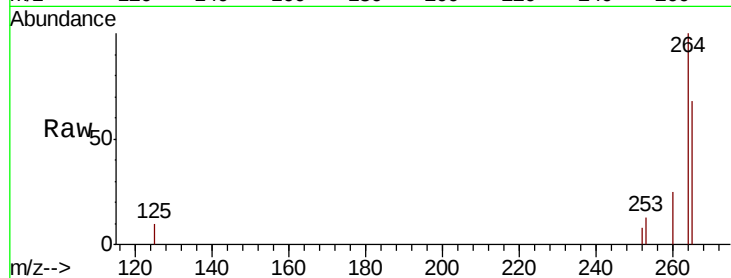
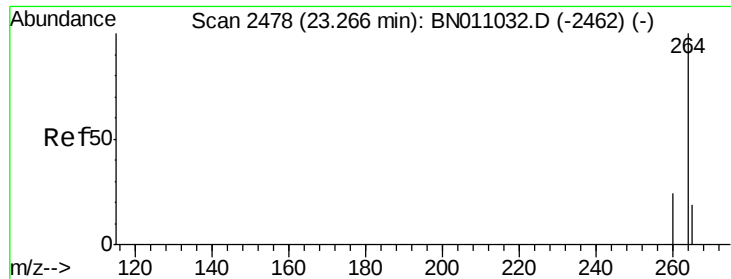


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E





#36

Pervlene-d12

Concen: 0.400 ng

RT: 23.25 min Scan# 2473

Delta R.T. -0.02 min

Lab File: BN011045.D

Acq: 24 Jun 2020 13:14

Instrument :

BNA_N

ClientSampleId :

Z1-DUP-0571-200615

Tot Ion:264 Resp: 11175

Ion Ratio Lower Upper

264 100

260 25.4 20.0 30.0

265 68.4 64.9 97.3

